EXPANDED SITE INSPECTION
GREENWOOD MILLS LINER PLANT
ORANGEBURG, SOUTH CAROLINA
ORANGEBURG COUTY
SCD 044 939 569

Prepared for:

U.S. ENVIRONMENTAL PROTECTION AGENCY
Region 4
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1.0 INTRODUCTION

Under the authority of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) and the Superfund Amendments and Reauthorization Act of 1986 (SARA), the Site Assessment Section, South Carolina Department of Health & Environmental Control (DHEC) conducted an Expanded Site Inspection (ESI) at the Greenwood Mills Liner Plant site in Orangeburg County, South Carolina. The information gathered from this investigation will be used to decide if the site will be proposed to the National Priority List (NPL) or managed by some other means.

Sampling for this investigation was split into two phases. The first phase took place January 28-31, 2013. During this event-46 soils, 29 surface water and sediment, and 8 Geoprobe locations were collected from on-site waste sources, and offsite surface water / sediment pathways. The purpose of the screening was to determine potential locations to collect environmental samples for lab analysis as part of the second phase of this ESI. Soil samples from the site and sediment samples from the North Fork of the Edisto River (NF Edisto) were screened using a XRF to evaluate metals concentrations. Surface water samples and groundwater samples collected using Geoprobe DPT were screened using Color Tech kits for the presence of chlorinated solvents.

The second phase of the field work for this ESI took place April 2-4, 2013. During the second phase - six surface water and sediment locations and nine surface soil locations were sampled and sent for laboratory analysis. Three permanent groundwater monitoring wells were also installed to collect groundwater for analysis.

2.0 LOCATION

The site is located at 1000 Southern Patio Parkway, in a rural area on Hwy 21, between the towns of Orangeburg and Rowesville, SC. The area around the site is primarily residential and agricultural. The geographic coordinates (Office door of facility) for the site are 33.416627° North, -80.848862° West (see Appendix C). The entire facility encompasses approximately 282 acres. (Refs. 1,2)

3.0 OWNERSHIP

<u>Main Facility</u>
2003– present:
Southern Patio
1000 Southern Patio Parkway
Rowesville, SC 29133-9493

WWTP and Landfills
2007-Present
Steven Till
183 Tillson Ln
Orangeburg, SC 29115

Previous owners include:

1963 – 1968: Fabric Services Inc, a division of Monsanto

1968-2003 and 2007: Greenwood Mills, Inc.

4.0 SITE DESCRIPTION AND REGULATORY HISTORY

The Greenwood Mills Liner Plant site was built by Monsanto in 1964 as a synthetic textile dyeing and finishing plant. Processes at the facility included bleaching, mercerizing, dyeing, coating, and finishing. Chromium and PCE were used in the operation in addition to various dyes. The plant was purchased by Greenwood Mills in 1968 and continued to operate until 1988. (Refs. 3,4,5)

The site is bordered by Hwy 21 to the east, managed woodland to the south, the North Fork of the Edisto River (NF Edisto) to the west, and a large retirement village complex to the north called Methodist Oaks. (Figure 1, Refs. 1,2,6)

The site has been divided into two separate parcels and sold (refer to section 3.0). The plant building, former water purification building, and several support buildings are currently owned by Southern Patio which uses the main building as a warehouse. The main building is intact but many other structures on this portion of the property are being demolished for scrap by a third party. The former power plant / waste disposal unit are largely intact but in a state of disrepair. (Refs. 4,5,6)

The wastewater treatment units, sprayfields, outfall, and landfill areas are on a second tract of land privately owned and used for hunting. The landowner has used heavy equipment to dramatically alter the area. (Ref. 6)The facility's waste was managed in an on-site wastewater treatment plant in unlined lagoons. Because of a caustic pH issue associated with previous operations,, spent acid from Lobeco and Ethyl Corporation was used to balance the wastewater pH. Approximately 700,000 pounds of spent acid was added to the system each month beginning in 1984. On November 5, 1987, a letter from L.E. Lester (Engineering Advisor to Greenwood Mills) to Harold Seabrook (SCDHEC) stated spent acid is not a waste under regulation R.61-79.261.2(e)(1)(ij); therefore, reporting will be discontinued regarding quantity of spent acid being used at Greenwood Mills. Seabrook wrote a letter of concurrence on November 30, 1987. Beginning in 1975 until its closure, the facility operated under a NPDES permit. The wastewater treatment process generated sludge that was sprayed onto two sprayfields for about eight years. In 1987a sludge press was constructed and employed. Sludge was shipped to a local

landfill for disposal. However, discharge by Fabric Services, Inc. (Monsanto) began in 1965 of 2 million gallons a day industrial waste and 0.46 million gallons a day domestic waste. In 1968, analytical data showed that effluent discharged in to the river had a pH of 11.45-11.7 and Cr of 3 to 5.8 ppm. The plant shut down and discharges ended in 1989. A letter confirming cancellation of the NPDES permit was issued in February, 2003. (Refs. 3,4,5)

In July 1981, Greenwood Mills submitted a CERCLA103(c) notification of CERCLA activities pertaining to two on-site landfills that contained manufacturing and construction waste. CERCLA Section 103(c) requires facilities that have ``stored, treated, or disposed of'' hazardous wastes and where there is ``known, suspected, or likely releases'' of hazardous substances to report their activities to EPA. These landfills were operated as open-burn sites until they were closed in 1973 when open burning was banned. A nine-story coal-fired power generation plant was operational at the site in the 1960s and 1970s. From 1980-1983, the plant operated under interim status as a RCRA-TSD facility. During this time, a mixture of waste oil and solvent was burned in their boiler. (Refs. 3,4,5)

As a result of the 103(c) notification, DHEC conducted a Preliminary Assessment at the site in 1988 which recommended a Site Inspection with a medium priority. A Site Inspection was performed by NUS under contract to the USEPA in 1990 and the associated 1991 report recommended a listing Site Inspection with a medium priority. A Site Inspection Prioritization Report in 1993 indicated surface water data needed to be collected at the site. In 2002, limited sampling was performed on surface water at the site by DHEC's Site Assessment program. Tetrachloroethene was detected in the Edisto River during the 2002 investigation (7 µg/l) above its Maximum Contaminant Limit (MCL) of 5µg/L. Because wastewater permitting authority was under DHEC's Bureau of Water (BOW), the site was referred to the BOW for oversight and therefore no further action was planned under Federal Superfund. (Refs. 3,4,5)

The BOW required Greenwood Mills to install and periodically sample selected monitoring wells around the wastewater treatment units. Following a review of DHEC file information on the site, DHEC staff determined that an examination of current site conditions was warranted. A 2012 site visit and review of monitoring well construction information by DHEC's Site Assessment and Remediation Division suggests many of the monitoring wells are side gradient to upradient of areas of concern, and that the wells were screened in a manner and at intervals that may have missed zones of groundwater contamination. The2012 DHEC site visit also identified a number of potential source areas that have not been sampled or have not been sampled adequately. (Refs. 3,4,5)

4.1 SOURCE IDENTIFICATION

The primary source areas at the site are concentrated around the former WWTP owned by the hunting club (Figure 3, Ref. 6):

Sprayfields
Two sprayfields (northern and southern) are present at the site. Both are approximately 750 feet long by 500 feet wide. Until the mill's sludge press building was built, processed sludge was sprayed on the fields A portion of the northern spray field was excavated during the installation of the equalization basin. The northern field is also currently being used as a food plot to attract wild game. The southern spray field is currently covered in a dense pine stand. (Refs. 4,5,6)

Clarifiers
Two clarifiers, with a total area of 19,737 square feet and of unknown depth, remain on site with equipment attached. The water within the clarifiers is bright green. There are no groundwater monitoring points downgradient of the clarifiers. (Refs. 4,5,6)

Eastern Landfill
This area was reported in a CERCLA 103(c) notification. The contents of the 52,000 square feet landfill have not been sampled. The landfill received manufacturing and construction waste. The landfill was operated as an open-burn site until it was closed in 1973. A small pond has been created at the toe of the east landfill. Additionally, a large area has been excavated to the south and east of this landfill to create additional duck ponds. The excavation extends to what is believed to be the boundary of the east landfill. No visible debris associated with the landfill has been exposed. (Refs. 4,5,6)

Western Landfill
This site was reported in a CERCLA 103(c) notification. The contents of the 135,000 square feet landfill have not been sampled. It is possible that coal ash was disposed in this area. The landfill received manufacturing and construction waste. The landfill was also operated as an open-burn site until it was closed in 1973. (Refs. 4,5,6)

Northern Lagoon
The 70,000 square feet northern lagoon is currently surrounded by a dike which was installed in order to control a foam that overflowed the lagoon and drain into the river on several occasions during its operatonal history. The dates and number of occurrences of this foam release are not known. The northern lagoon is the only place where foaming was reported to be an issue on site. The lagoon is full of water of an unknown volume An iron discharge pipe surrounded by a brick casing was discovered in the woods next to the northern lagoon. No record of this pipe could be found in the DHEC file. The pipe is constructed in a similar manner as the NPDESregulated discharge point. Effluent from the newly discovered pipe discharges into a wooded marsh area that eventually drained into the NF Edisto. (Refs. 4,5,6)

Southern Lagoon
This 75,000 square feet lagoon was the final treatment area for wastewater before the water was sent to on-site clarifiers. The landowner has used heavy equipment to alter the area. Portions of the lagoon have been excavated and bermed in an attempt to create a duck pond. The lagoon appeared to have been unlined. Grey clay like material was noted at the bottom of one of the holes dug by the current owner. (Refs. 3,4,5)

Outfallinto the NF Edisto River
The 1000 ft long channel that once routed water from the WWTP to the site's National Pollutant Discharge Elimination System (NPDES) outfall into the NF Edisto have been severely impacted by beaver activity. Several acres of the area from the river to the clarifiers have now become swampland. (Refs. 4,5,6)

Power Plant
According to a Greenwood Mills official, this was a 9 story high coal fired power plant. From 1980-83, the boiler in the facility received an unknown amount of waste oil and solvents during its operation under RCRA-TSD Interim Status. The building was demolished prior to 2005. (Refs. 2,4,5)

Drainage Pipe
A large concrete pipe (approximately 36" in diameter) was found jutting out of the earth between the clarifiers and the east landfill. The pipe leads away from the WWTP toward the NF Edisto River. The purpose of this drainage pipe is not known. It appears that the pipe was at one time buried, but it is now exposed due to erosion of soil beneath it. The eroded ditch beneath the exposed pipe was approximately 15 feet deep with what appeared to be a spring at the bottom of it. Presumably, the spring underneath the pipe eroded the soil to the point of collapse, exposing the drainage pipe. The spring has formed a creek that flows into the beaver made swamp. (Ref. 6)

5.0 PATHWAY EVALUATION

SCDHEC conducted a site screening of the Liner Plant on January 28-31, 2013 and again on February 6, 2013. The purpose of the screening was to determine potential locations to collect environmental samples for lab analysis as part of an Expanded Site Inspection. Soil samples from the site and sediment samples from the North Fork of the Edisto River (NF Edisto) were screened using an X-ray fluorescence (XRF) device to evaluate metals concentrations. Surface water samples and groundwater samples were screened using Color Tech kits to look for the presence of chlorinated solvents. Groundwater samples were collected using Geoprobe direct push technology (DPT). (Ref 6)

Forty six (46) soils, 29 surface water and sediment, and 8 groundwater locations were sampled. High levels of chromium (Cr) were found throughout the site with the highest concentration in the dry (south) lagoon at 62995 ppm. Arsenic was found in sediments collected from the clarifier at 133 ppm as well as lead at 1635 ppm. 8 sediment locations had Cr above 100ppm. One Geoprobe location between the main building and the power plant contained TCE in groundwater at 35 ppb and had a pH of 9.75. (Refs 6,7)

Environmental samples were collected for laboratory analysis on April 2-4, 2013. The sampling locations were determined based on results from the February 2013 screening. Areas with the

highest metal concentrations indicated by XRF analysis were logged with GPS and revisited to collect laboratory samples. (Ref 6,7,8)

Prior to sample collection, the area experienced an extended period of record rainfall. The large amount and duration of the precipitation resulted in higher than normal stream flow. During the sampling event, the NF Edisto River was higher than during the screening event. Sample teams were unable to reach the proposed sampling points (determined during screening) due to excessive water depth. Samples collected from the NF Edisto were collected as close to the screening locations as possible. Water and sediment sampling locations were more than likely above the normal river bed and stream height. (Ref. 9)

5.1 GROUNDWATER MIGRATION PATHWAY

Groundwater Use

No records were found and no observations were made that indicate groundwater is being used for consumption in the area surrounding the site. The warehouse is supplied by municipal water and the hunt club does not have an onsite water source. The retirement village to the north is supplied by local municipal water. The area receives its water from the City of Orangeburg. Orangeburg obtains it water from the NF Edisto, approximately 7.5 river miles upstream from the site. Based on local topography, groundwater from the site flows west toward the NF Edisto River. (Refs 1,6, 13)

Groundwater Impact

Three permanent groundwater monitoring wells were installed at the site for this study. Wells were drilled to initial groundwater contact using a hollow stem auger attachment on a Geoprobe rig (Figure 4). All samples were analyzed for constituents listed on the USEPA Target Compound List (TAL) and Target Analyte List (TAL).

GML-019-GW contained tetrachlorethene at the MCL of 5 µg/L and trichloroethene at 2.3 µg/L. Arsenic was also found to be above the MCL (10 µg/L) at a concentration of 11µg/L. (Refs 10,11)

GML-021-GW contained arsenic above its MCL at 13 µg/L. Lead was also found above its MCL (15µg/l) at 33µg/L. (Table 1 Refs 10,11)

Table 1. Inorganic Groundwater Sampling Results for Greenwood Mills - Liner

Analyte	GML-019-GW	GML-020-GW	GML-021-GW	MCL
Mercury	0.10U	0.10U	0.31	
Aluminum	3600	130	65000	
Arsenic	11	1.0U	13	10
Cadmium	0.50U	0.50U	1.8	
Chromium	5.0U	5.0U	85	
Lead	2.8	1.0U	33	15
Magnesium	250U	2000	2200	
Manganese	26	580	240	
Selenium	2.0U	2.0U	9.9	
Strontium	5.0U	29	67	
Vanadium	28	5.0U	70	
Yttrium	4	3.0U	44	
Zinc	17	20	94	
U- Not detected. Number is the min quantitation limit Units in parts per billion (ppb) Shaded value indicate exceedance of MCL				

5.2 SURFACE WATER MIGRATION PATHWAY

Regional Characteristics

Runoff from the site and the mill's former NPDES outfall empty into the NF Edisto River. The entire 15-mile Target Distance Limit (TDL) is located in the NF Edisto River. The NF Edisto is used extensively for fishing and recreational activities. DHEC has a Fish consumption advisory for the entire TDL for mercury. Wetlands line the entire TDL for a length of 30 liner frontage miles (both banks of the river). Source areas are not in a flood plain. (Refs 1,2,6,14,15, 16)

Surface Water Impact

Three surface water and sediment sampling locations were established on the NF Edisto River to evaluate potential impacts as a result of past site activities (GML-002 thru 004-SW/SD). These locations were compared to a control sample collected upstream from potential site influence (GML-001-SW/SD) (Figure 5, Table 6, Ref 8).

Sediment sample GML-003 contained PCB (Aroclor) 1260 at a concentration of 67 µg/kg (Table 3). The concentration is above the USEPA Region 4 Sediment Screening Value for Hazardous Waste Sites Screening and Effects Value of 33µg/kg. PCB 1260 was not detected in the control sample. GML-003-SD also contained an elevated concentration (>3X control) of chromium at 120 mg/kg (Table 2). The chromium level is also above the Region 4 Sediment Screening Value and Effects value of 52.3. (Refs 10,12)

Sediment sample GML-004 contained an elevated concentration of chromium at 26 mg/kg. (Refs 10,12)

Three surface water and sediment samples were collected on site (GML-005 thru 007-SW/SD). GML-006-SD was collected from an eroded gully below a large drain pipe. PCB 1262 was found at 52 mg/kg, slightly below the Region 4 Screening Value. (Refs 10,12)

GML-007-SD was collected from a recently constructed pond at the toe of the east landfill. PCB 1262 was found at a concentration of 130 mg/kg, well above the Sediment Screening Value. (Refs 10,12)

Table 2. Inorganic Concentrations for Sediment Samples at Greenwood Mills - Liner

Analyte	GML-001 (Control)	GML-002	GML-003	GML-004	GML-005	GML-006	GML-007	Screening Value
Chromium	4.7	3.6	**120**	26	3	14	3.1	52.3

Units in parts per million (ppm)
U- indicates the compound was not detected. Number is the minimum quantiation limit
Shaded values indicate constituent was detected at greater than 3X Control level
Bold-Constituent detected above EPA Region 4's Sediment Screening Values for Hazardous Waste Sites(*)

Table 3. Organic Concentrations for Sediment Samples at Greenwood Mills - Liner

PCB (Aroclor)	GML-001 (Control)	GML-002	GML-003	GML-004	GML-005	GML-006	GML-007	Screening value
1260	13U	18U	**67**	21U	13U	53U	140U	33
1262	13U	18U	68U	21U	13U	**52**	**130**	33

U- compound was not detected. Number is the minimum quantiation limit
Units in Parts per billion
Shaded values indicate constituent was detected at greater than 3X Control level
Bold-Constituent detected above EPA Region 4's Sediment Screening Values for Hazardous Waste Sites(*)

5.3 SOIL EXPOSURE PATHWAY

No schools or daycare centers are found within a 200 foot radius of the site. No workers are presently employed in the area the WWTP and landfills are located. This area is used exclusively for hunting and outdoor recreation. The Federally Endangered Red Cockated Woodpecker (*Picoides borealis*) and Canby's Dropwort (Oxypolis canbyi) are documented to live within the area (Ref 17). The warehouse area of the site employs approximately 50 people. The closest residence is 650 feet north of the facility. (Refs 1,2,6)

Surface soil samples were collected for this investigation to evaluate potential source material. Nine locations were selected and compared to a control sample (GML-008-SF) collected off site (Figure 5, Ref 8).

PCB 1262 was found at elevated concentrations when compared to control value across the site (Table 4). The average concentration of PCB 1262 at the site was 2379 µg/kg. The highest concentration was detected at the previously unknown outfall pipe at the North lagoon (GML-

009-SF). PCB 1262 was found at 13000 µg/kg. PCBs were not detected in the control sample. (Ref 10)

It should be noted that the presence of PCB 1262 in the soil samples created difficulty for the contract laboratory to adequately analyze for PCB 1260. The sample specific minimum reporting limit (MRL) established by the lab for PCB 1260 had to be raised to a level above the concentration of PCB 1262 found in the same sample. For example, GML-009-SF contained PCB 1262 at 13000 parts per billion (ppb), or 13 parts per million (ppm). Therefore, the MRL for PCB 1260 had to be raised to 14000 ppb or 14 ppm. The EPA Regional Screening Level (RSL) for PCB 1260 in industrial soils is 740 ppb, well below the 14000ppb MRL reported by the laboratory. In samples that PCB 1260 was not detected, the MRL for 1260 was usually 11ppb. It could be possible that in areas where 1262 was detected, 1260 could be present in concentrations above RSL and not be detected by laboratory analysis. (Refs 10,11)

Table 4. Organic Concentrations for Soil Samples at Greenwood Mills - Liner

PCB (Aroclor)	GML-008 (Control)	GML-009	GML-010	GML-011	GML-012	GML-013	GML-014	GML-015	GML-016	GML-017
1260	11U	14000U	3100U	800U	600U	70U	55U	11U	3800U	200U
1262	11U	13000	3000	790	590	69	54	11U	3700	190

U- indicates the compound was not detected. Number is the minimum quantiation limit

Units in parts per billion (ppb)

Shaded values indicate constituent was detected at greater than 3X Control level

Bold-Constituent detected above EPA Region 4's Regional Screening Levels for Hazardous Waste Sites(*)

Elevated concentrations of metals were found throughout the site. GML-009-SF contained arsenic (2.5 mg/kg) above the industrial RSL of 1.6 mg/kg. GML-010-SF, collected from exposed soil in the north lagoon, contained arsenic (5.8 mg/kg) and vanadium (330 mg/kg) above industrial RSLs (1.6 and 72 mg/kg respectively). GML-016-SF was collected from soil behind the former power plant. Arsenic (23 mg/kg) and vanadium (43000 mg/kg) were well above industrial RSLs. (Refs 10,11)

Table 5. Inorganic Concentrations for Soil Samples at Greenwood Mills – Liner

Analyte	GML-008 (Control)	GML-009	GML-010	GML-011	GML-012	GML-013	GML-014	GML-015	GML-016	GML-017	Screening Level(Residential/ Industrial)
Mercury	0.021	2.7	3.1	0.020U	0.039	0.23	0.33	0.028	0.031	0.026	5.6/34
Antimony	0.25U	5	72	0.25	1.7	3.6	2.9	0.25U	4.9U	0.25U	31/410
Arsenic	**0.8**	**2.5**	**5.8**	**0.55**	**1.1**	**1.1**	**0.51**	**1**	**23**	**2.2**	.39/69
Barium	14	390	160	11	31	36	24	8.3	210	33	15000/190000
Cadmium	0.12U	6	1.2	0.14	0.15	0.3	0.12U	0.12U	2.5U	0.12U	70/800
Chromium	2.6	6300	1900	380	350	380	35	18	120	4.8	120000/1500000
Copper	1.5	180	220	3.6	25	84	84	2.4	67	6.7	3100/41000
Lead	7.6	120	84	3.5	7.1	9.8	11	3.7	280J	7	400/800
Magnesium	130	2400	360	66	93	140	110	94	620U	190	NA
Manganese	95	510	18	3.5	3.8	21	5.9	14	510	260	1800/23000
Nickel	1.8	28	39	1.1	4.3	5.8	4	1.7	5300	14	1500/20000
Selenium	0.50U	2.5	2.0U	0.49U	0.50U	0.50U	0.50U	.50U	9.9U	0.50U	390/5100
Strontium	1.9	100	7.7	1.7	3.3	3.3	1.4	1.7	78	6.7	47000/610000
Vanadium	5.2	32	**330**	14	47	26	43	21	**43000**	59	390/5000
Zinc	7.8	4800	110	17	42	77	13	8	400	21	23000/310000

Units in parts per million (ppm)
U- indicates the compound was not detected. Number is the minimum quantiation limit
Shaded values indicate constituent was detected at greater than 3X Control level
Bold-Constituent detected above EPA Region 4's Regional Screening Levels for Hazardous Waste Sites(*)

5.0 SUMMARY AND CONCLUSIONS

The Greenwood Mills Liner Plant site was built by Monsanto in 1964 as a synthetic textile dyeing and finishing plant. Processes at the facility included bleaching, mercerizing, dyeing, coating, and finishing. Chromium and PCE were used in site operations in addition to various dyes. The plant was purchased by Greenwood Mills in 1968 and continued to operate until 1988.

Environmental Sampling was conducted by SCDHEC in April 2013. Chlorinated solvents and arsenic were found above MCLs in Groundwater. Elevated concentrations of PCBs 1260, 1262, and chromium were found above EPA Region 4 Sediment Screening Values in sediment collected along the North Fork Edisto River, adjacent to the site. The North Fork of the Edisto River is a fishery and also lined by HRS eligible wetlands.

PCB 1262 was found at elevated concentrations across the site. The presence of PCB 1262 in the soil samples created difficulty for the contract laboratory to adequately analyze for PCB 1260, therefore, actual levels of PCB 1260 in most soil samples collected is currently unknown. Arsenic and vanadium were found at concentrations above EPA RSLs for industrial soils.

Elevated stream flow as a result of an extended period of heavy rain prevented sample collection from optimal locations in the NF Edisto River. Areas where the sediment deposition likely

contained higher concentrations of contamination associated with the site could not be reached. While elevated concentrations or PCBs and chromium above Region Screening Values were detected in sediment samples from the NF Edisto, the actual impact to the river may be greater than current data indicates. It is recommended that expanded, additional sampling in the North Fork of the Edisto River should be conducted under more representative conditions to determine if the Greenwood Mills – Liner plant merits consideration for inclusion onto the National Priorities List.

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APPENDIX A: MAPS / FIGURES

Figure 1: Greenwood Mills – Liner, Aerial View

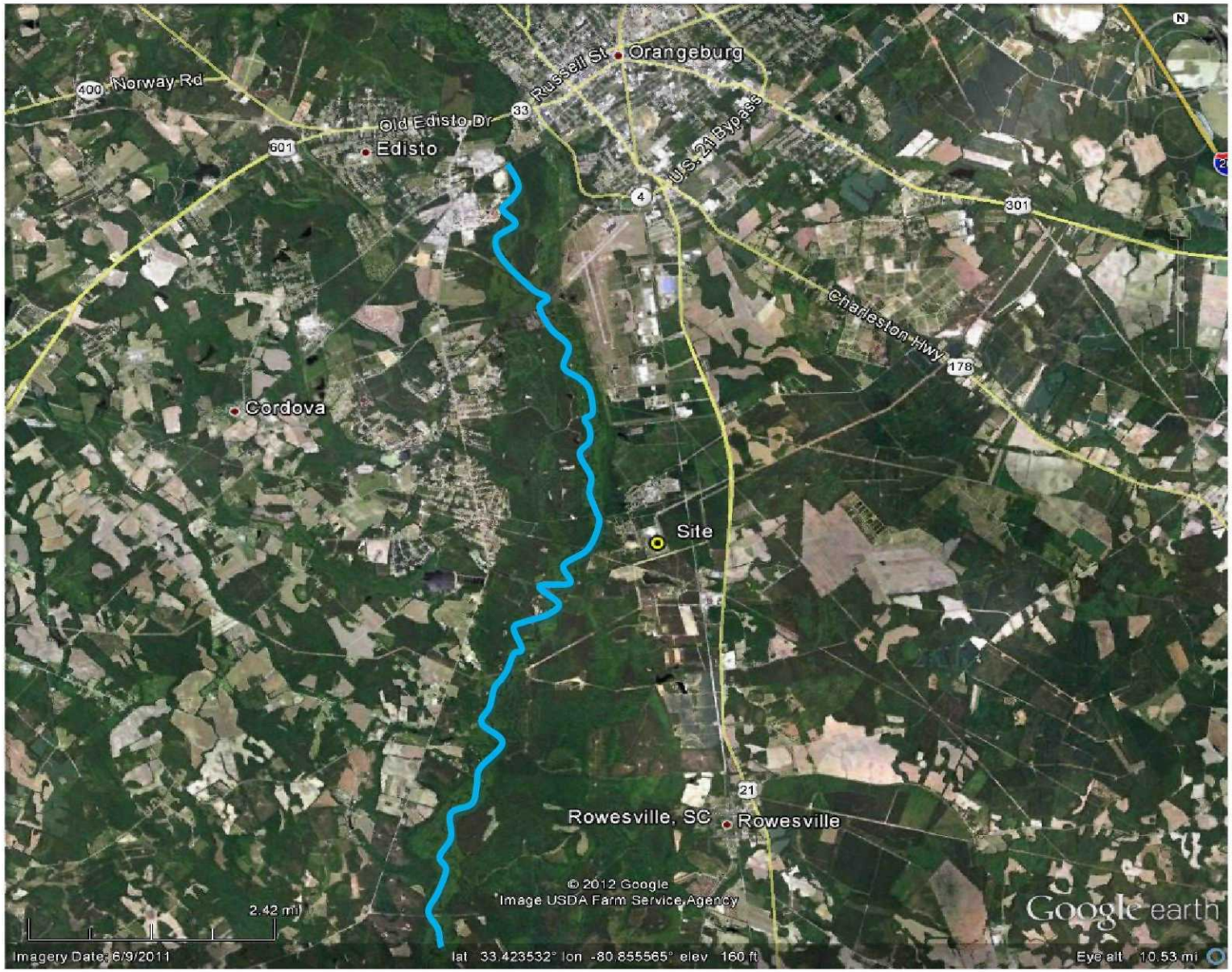


Figure 2: Greenwood Mills – Liner – Topographic Map

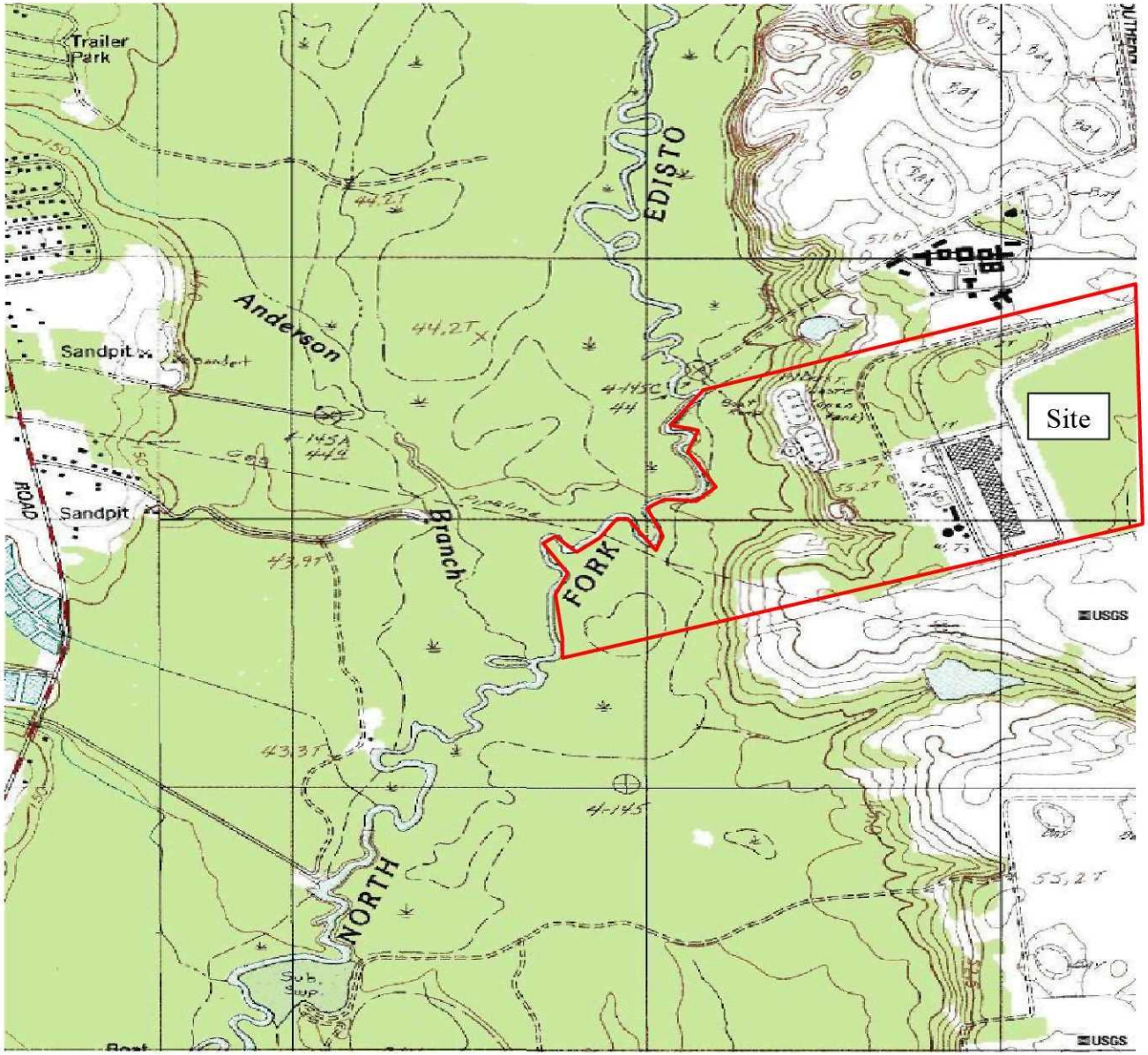


Figure 3: Potential Sources

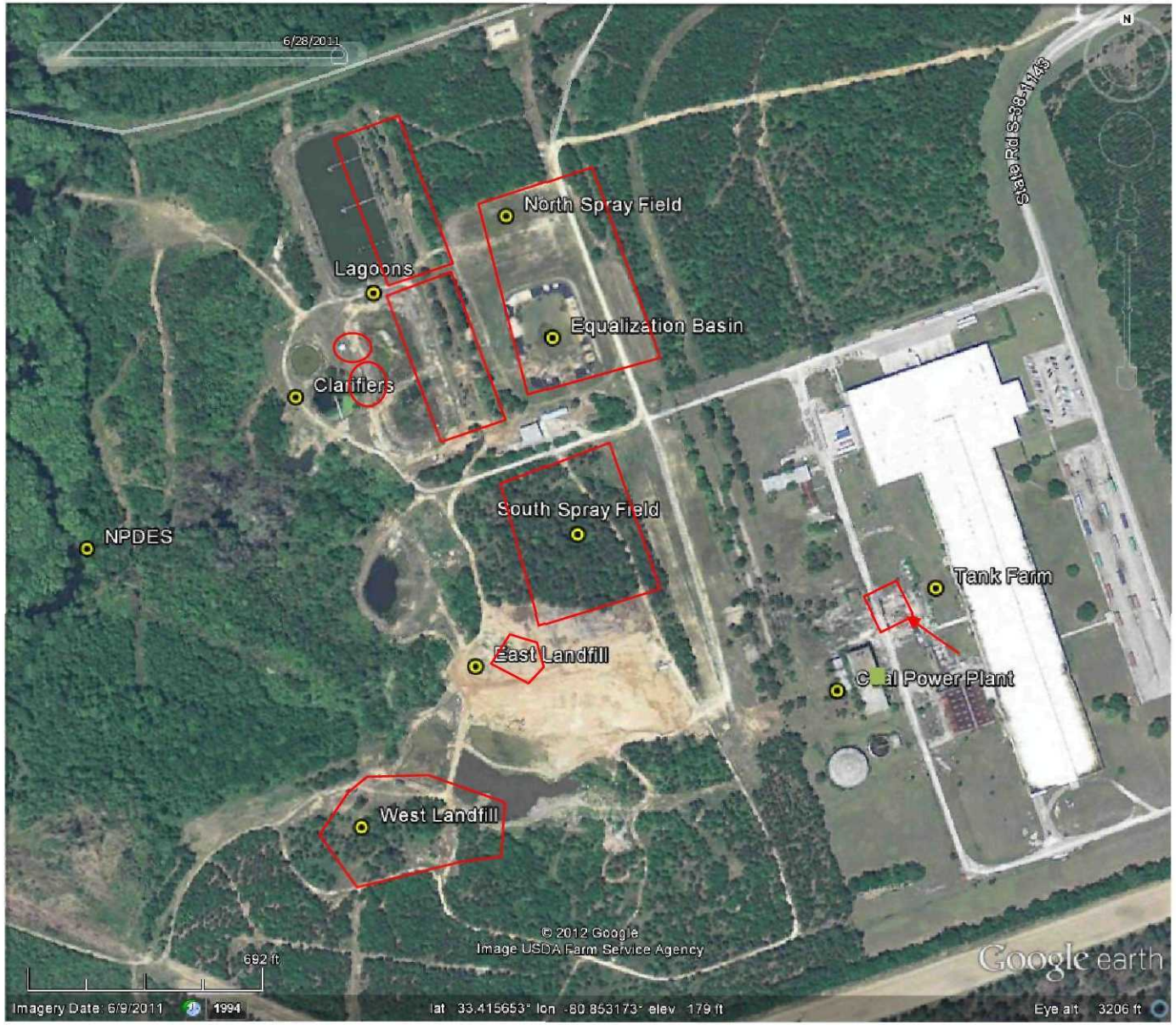


Figure 4: Groundwater Sampling Locations

Figure 5: Surface Water and Sediment Sampling Locations

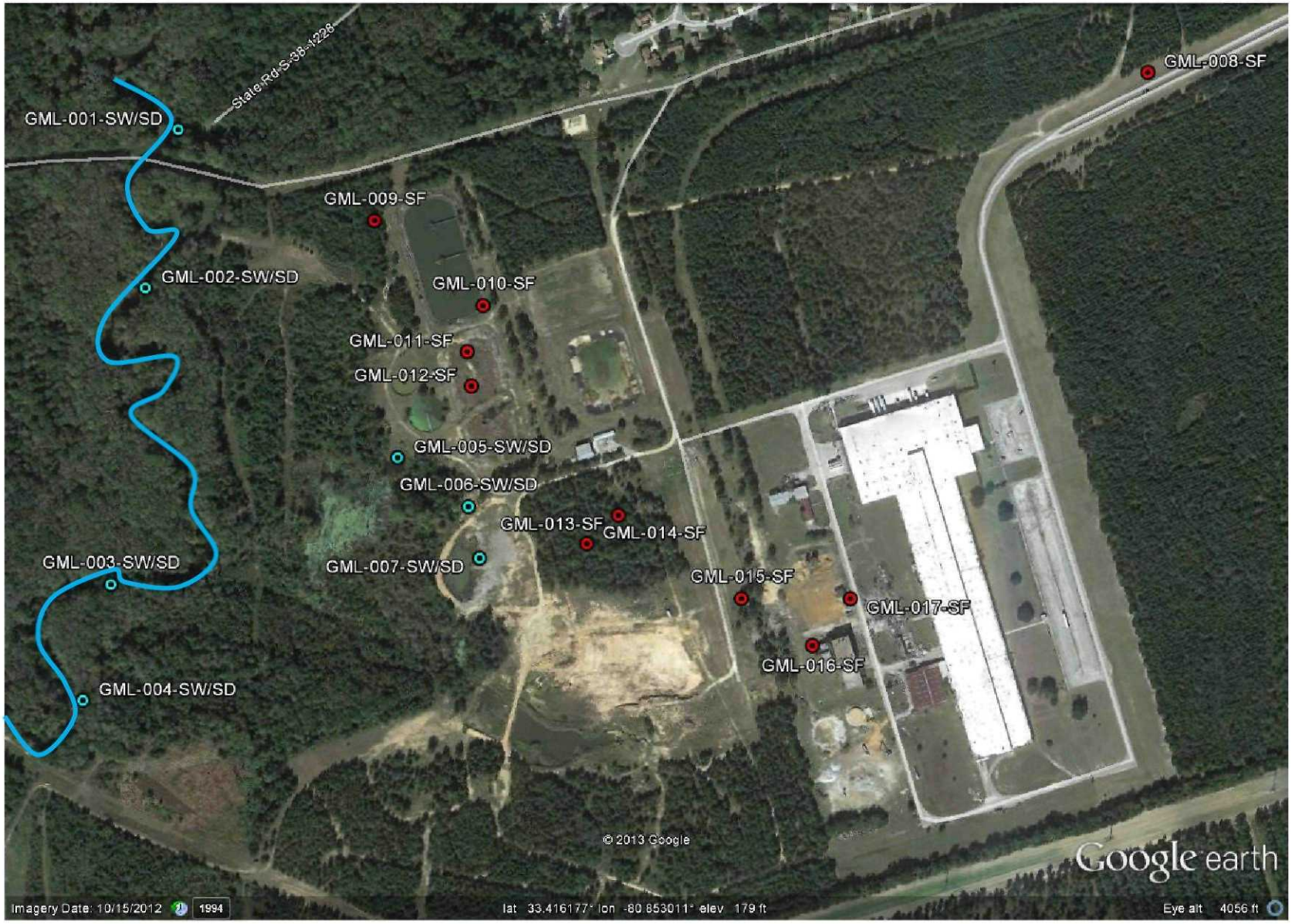


Table 6. Sampling Locations For the Greenwood Mills – Liner Plant				
Sample Number	**Sample Media**	**Analyses**	**Location/Rationale**	**Coordinates**
GML-001-SW/SD	Surface Water Sediment	**Water** VOA SVOA Metals Mercury **Soil/Sediment** VOA SVOA Aroclors Metals Mercury Cyanide	Location: Taken from North Fork of Edisto River, upstream from the site. "Blue 10" screening location. Rationale: Control location.	33.41932 -80.85847
GML-002-SW/SD	Surface Water Sediment	**Water** VOA SVOA Metals Mercury **Soil/Sediment** VOA SVOA Aroclors Metals Mercury Cyanide ide	Location: North Fork of Edisto River. "Blue 4" screening location Rationale: To determine if there is or has been a release of constituents from the site that may impact the surface water pathway	33.417608 -80.858706
GML-003-SW/SD	Surface Water Sediment	**Water** VOA SVOA Metals Mercury **Soil/Sediment** VOA SVOA Aroclors Metals Mercury Cyanide	Location: North Fork of Edisto River. "Blue 2C" screening location Rationale: To determine if there is or has been a release of constituents from the site that may impact the surface water pathway	33.41383 -80.85944
GML-004-SW/SD	Surface Water Sediment	**Water** VOA SVOA Metals Mercury **Soil/Sediment** VOA SVOA Aroclors Metals Mercury Cyanide	Location: North Fork of Edisto River. "Blue 2E" screening location Rationale: To determine if there is or has been a release of constituents from the site that may impact the surface water pathway	33.41349 -80.85934

GML-005-SW/SD	Surface Water Sediment	**Water** VOA SVOA Metals Mercury **Soil/Sediment** VOA SVOA Aroclors Metals Mercury Cyanide	Location: Wetlands below clarifiers. " Blue 8" screening location Rationale: To determine if there is or has been a release of constituents from the site that may impact the surface water pathway	33.41606 -80.85584
GML-006-SW/SD	Surface Water Sediment	**Water** VOA SVOA Metals Mercury **Soil/Sediment** VOA SVOA Aroclors Metals Mercury Cyanide	Location: Area around eroded discharge pipe. "DP 2" screening location Rationale: To determine if there is or has been a release of constituents from the site that may impact the surface water pathway	33.415635 -80.855046
GML-007-SW/SD (Water MSD)	Surface Water Sediment	**Water** VOA SVOA Metals Mercury **Soil/Sediment** VOA SVOA Aroclors Metals Mercury Cyanide	Location: Pond Below East Landfill. "Blue 3" screening location Rationale: To determine if there is or has been a release of constituents from the site that may impact the surface water pathway	33.415160 -80.854983
GML-008-SF	Surface Soil	VOA SVOA Aroclors Metals Mercury Cyanide	Location: Offsite soil sample. Rationale: Control Soil Sample	33.42018 -80.84799
GML-009-SF	Surface Soil	VOA SVOA Aroclors Metals Mercury Cyanide	Location: WWTP Discharge discovered during screening phase. "ND-1" screening location. Rationale: To determine if there is or has been a release of constituents from	33.418325 -80.856382

			the site that may impact the soil exposure pathway	
GML-010-SF	Surface Soil	VOA SVOA Aroclors Metals Mercury Cyanide	Location: Northern WWTP lagoon. "FL-1" screening location. Rationale: Source Characterization	33.417628 -80.854914
GML-011-SF	Surface Soil	VOA SVOA Aroclors Metals Mercury Cyanide	Location: Southern WWTP lagoon. "DL-3" screening location. Rationale: Source Characterization	33.417251 -80.855189
GML-012-SF	Surface Soil	VOA SVOA Aroclors Metals Mercury Cyanide	Location: Southern WWTP lagoon. "DL-4" screening location. Rationale: Source Characterization	33.416914 -80.855132
GML-013-SF	Surface Soil	VOA SVOA Aroclors Metals Mercury Cyanide	Location: Southern Sprayfield. "SS-01" screening location. Rationale: Source Characterization	33.415844 -80.853022
GML-014-SF	Surface Soil	VOA SVOA Aroclors Metals Mercury Cyanide	Location: Southern Sprayfield. "SS-02" screening location. Rationale: Source Characterization	33.415542 -80.85398935
GML-015-SF (Soil MSD)	Surface Soil	VOA SVOA Aroclors Metals Mercury Cyanide	Location: Former tank saddle area. "TS-02" screening location Rationale: To determine if there is or has been a release of constituents from the site that may impact the soil exposure pathway	33.4182625 -80.85186222
GML-016-SF	Surface Soil	VOA SVOA Aroclors Metals Mercury Cyanide	Location: Area behind former waste incinerator Rationale: To determine if there is or has been a release of	33.41431 -80.85080

			constituents from the site that may impact the soil exposure pathway	
GML-017-SF	Surface Soil	VOA SVOA Aroclors Metals Mercury Cyanide	Location: Soil near maintenance facility. "Hole in driveway" screening location. Rationale: To determine if there is or has been a release of constituents from the site that may impact the soil exposure pathway	33.41451 -80.85029
GML-019-GW	Groundwater	VOA SVOA Metals Mercury Cyanide	Location: At former tank saddles near GML-015-SF Rationale: To determine if there is or has been a release of constituents from the site that may impact the groundwater pathway	33.414488 -80.851774
GML-020-GW	Groundwater	VOA SVOA Metals Mercury Cyanide	Location: Monitoring well to be placed between clarifier and discharge pipe Rationale: To determine if there is or has been a release of constituents from the site that may impact the groundwater pathway	33.415426 -80.85536
GML-021-GW	Groundwater	VOA SVOA Metals Mercury Cyanide	Location: Monitoring well to be placed at lower end of field below the WWTP . Rationale: To determine if there is or has been a release of constituents from the site that may impact the	33.418238 -80.857424

			groundwater pathway	

APPENDIX B: TRIP REPORT

Trip Report
Greenwood Mills – Liner Plant
February 7, 2013
Jason C Williams

SCDHEC conducted a site screening of the Liner Plant on January 28-31, 2013 and again on February 6, 2013. The purpose of the screening was to determine potential locations to collect environmental samples for lab analysis as part of a Expanded Site Inspection. Soil samples from the site and sediment samples from the North Fork of the Edisto River (NF Edisto) were screened using a XRF to evaluate metals concentrations. Surface water samples and groundwater samples collected using Geoprobe DPT were screened using Color Tech kits for the presence of chlorinated solvents.

The site has been divided in to two separate areas and sold. The plant building, former power plant and waste disposal unit, and several support buildings are owned by Southern Patio which uses the main building as a warehouse. The main building is intact but many other structures on the property are being demolished for scrap by a third party. The former power plant / waste disposal unit are largely intact but in a state of disrepair. The wastewater treatment units, sprayfields, outfall, and landfill areas are on a tract of land privately owned and used for hunting. The landowner has used heavy equipment to dramatically alter the area. Portions of one lagoon have been excavated and bermed in an attempt to create a duck pond. The lagoon appeared to have been unlined. A grey clay like material was noted at the bottom of one of the holes dug by the current owner. A smaller pond had also been created at the toe of the east landfill. Additionally large area had been excavated to the south and east of this landfill to create additional duck ponds. The excavation extends to what is believed to be the boundary of the east landfill. No debris associated with the landfill was exposed; indicating a breach has not yet occurred.

The channel that once routed water from the WWTP to the site's NPDES into the NF Edisto have been severely impacted by beaver activity. Several acres of this area have now become swampland, from the river to the clarifiers.

A discharge pipe was found in the woods next to the northern lagoon (full lagoon). No record of this pipe could be found in the SCDHEC file. The pipe was enclosed in a brick structure similar to the regulated discharge, suggesting that it was constructed at the same time. Effluent from the pipe would discharge into a wooded marsh area that eventually drained into the NF Edisto.

A large diameter pipe (~36") was found jutting out of the earth between the clarifiers and east landfill. The pipe led away from the WWTP toward the river. The pipe was at one time buried but erosion has caused soil beneath the pipe to give way, exposing it. The eroded ditch was approximately 15 feet deep with what appeared to be a spring at the bottom of it. The spring formed a creek that flowed into the beaver made swamp.

The northern sprayfield was being used as a food plot to attract wild game.

No water or electricity is supplied to the WWTP area. No consumption wells are available. The Warehouse obtains city water. The Methodist oaks village front desk stated they were on "city water".

46 soils 29 surface water and sediment, and 8 Geoprobe locations were collected. Screening locations are shown in the attached Figure 1. High levels of Chromium were found throughout the site with the highest concentration in the dry lagoon at 62995 ppm. Arsenic was found in sediments collected from the clarifier at 133 ppm as well as lead at 1635 ppm. 8 sediment locations had Cr above 100ppm.

One Geoprobe location between the main building and the power plant contained TCE in groundwater at 35 ppb and had a pH of 9.75.

Sampling for lab analysis will be conducted the week of April 1, 2013.

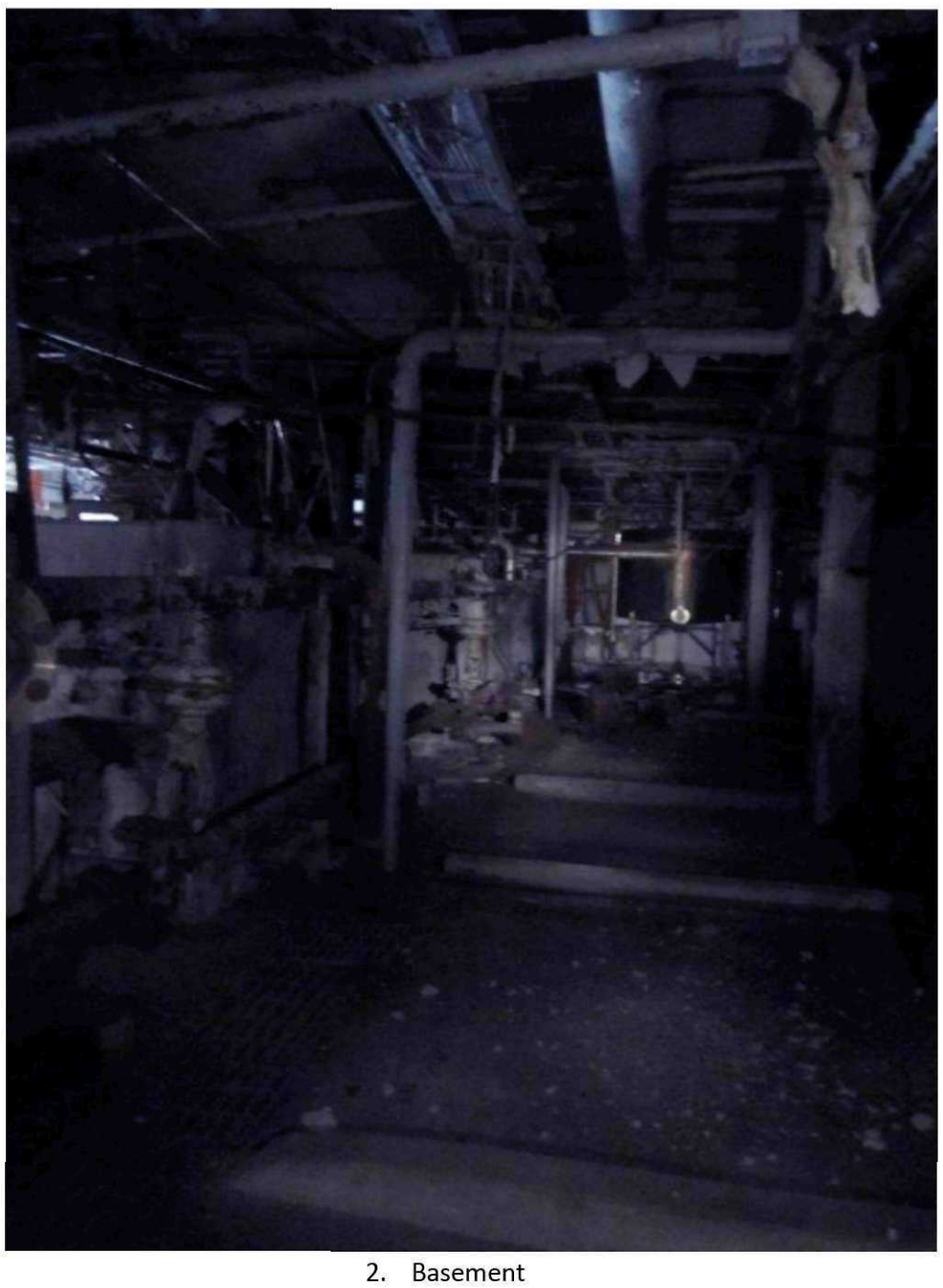
APPENDIX C: SITE COORDINATE COLLECTION

Site Latitude:	33.416627° North,
Site Longitude:	-80.848862° West
Feature Description:	Office Entrance
Collection Date:	January 31, 2013

Note: Coordinates collected by consumer-grade GPS with WAAS (estimated accuracy 5-10 meters).

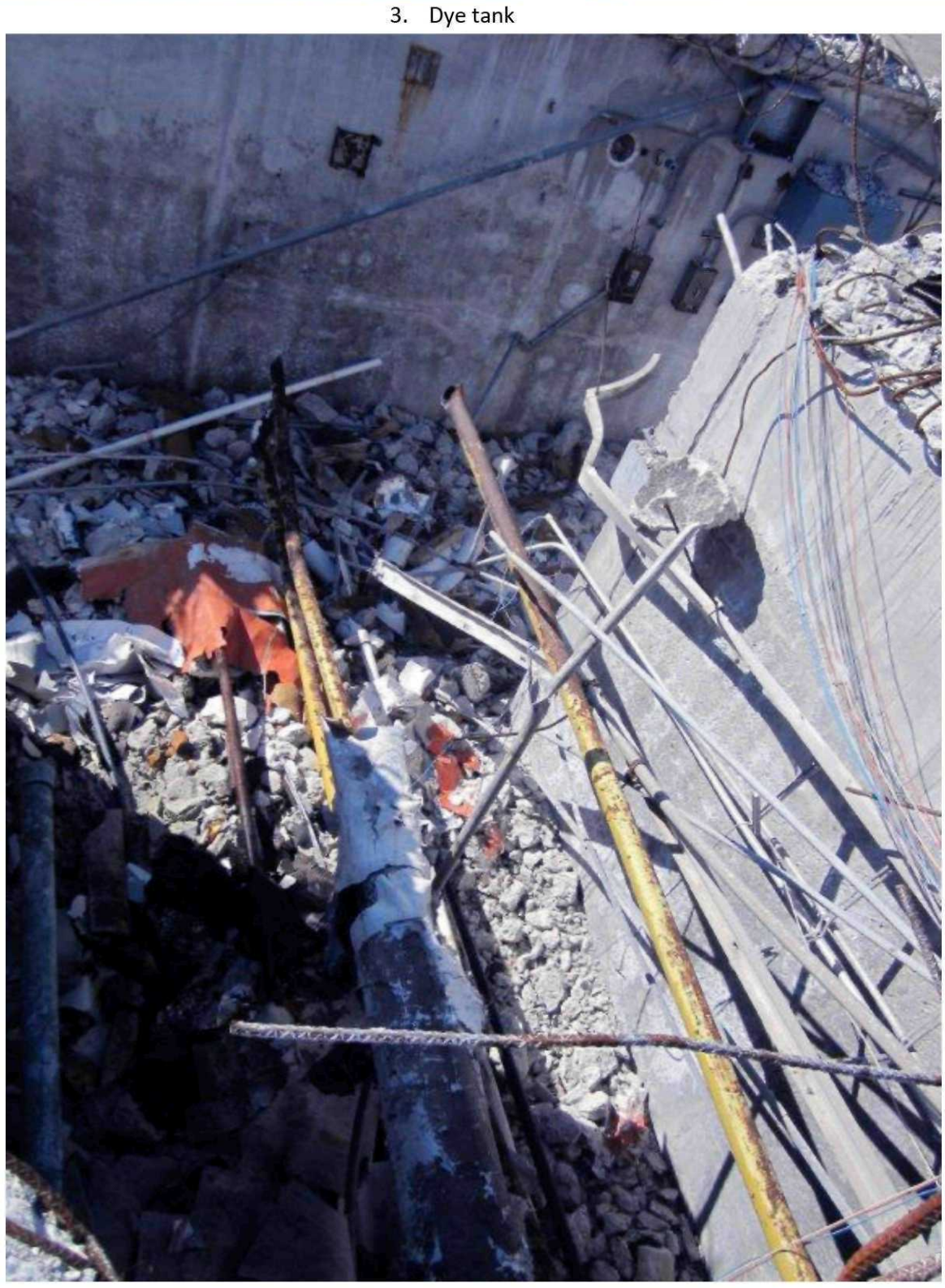
APPENDIX D: PHOTOGRAPHS

1. Water Purification System



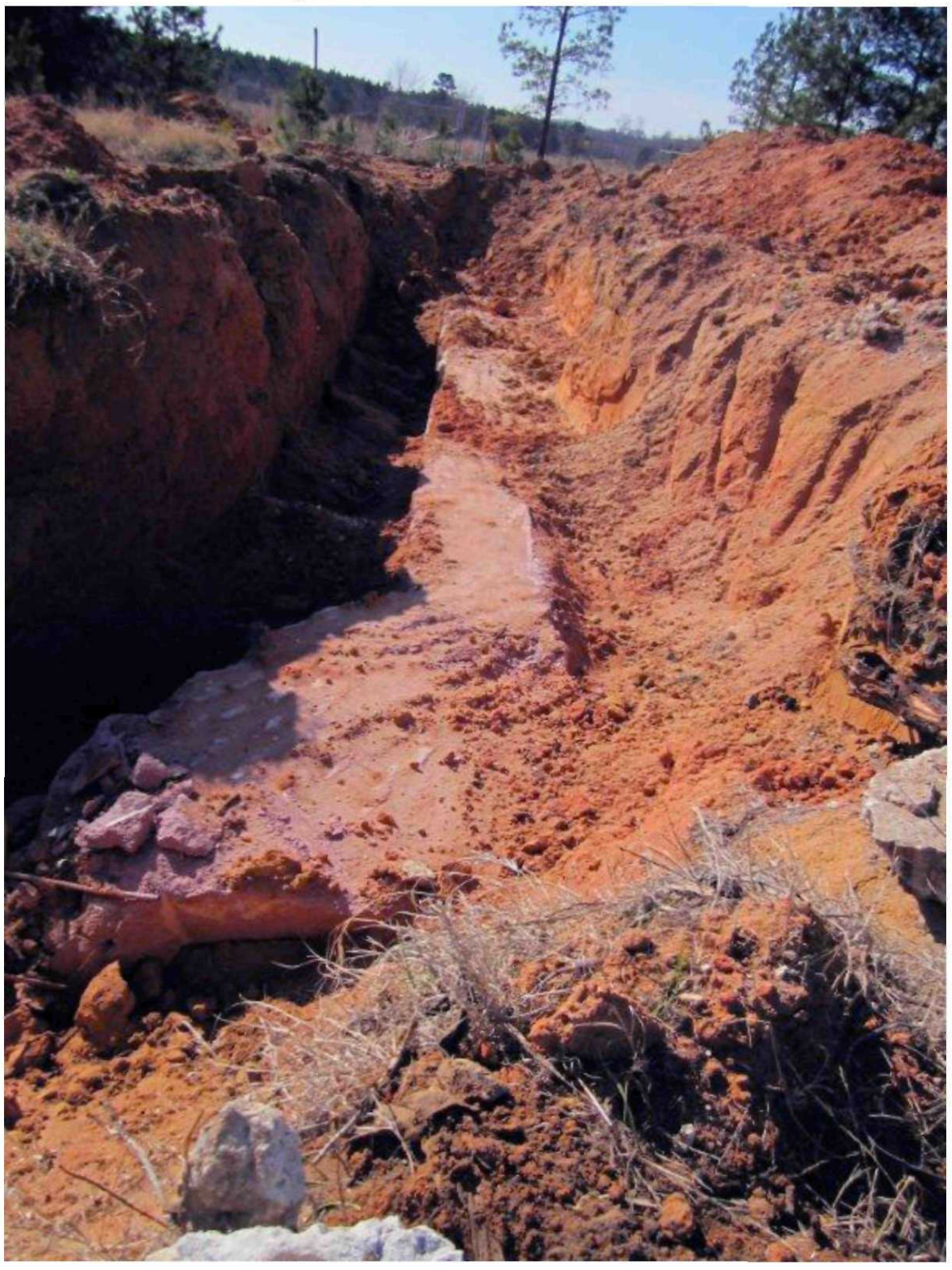
2. Basement

3. Dye tank



4. Pipes leading to Water Purification Plant

5. Pipe Connections near Tank Saddle Area



6. Salvage excavation

7. Corroded wall in basement

8. Drainage Channels in Basement

APPENDIX E: ATTACHED REFERENCES

Greenwood Mills Liner Plant, Orangeburg County
Site Visit Trip Report
July 12, 2012
Judy Canova

On July 12, 2012, I visited the Greenwood Mills Liner Plant site with Wade Harter (Greenwood Mills) and Lewis Rourk (Aiken Office) to review the site conditions.

Property Ownership

The plant building and immediately adjacent property is owned by Southern Patio (contact Jerry Wuenscher (803) 535-2058; (803) 702-2573). They use the building as a warehouse. The wastewater treatment units, sprayfields, and former outfall are on a tract of land currently owned by Steven and Jodee Till. No purchaser agreements or contracts were signed between SCDHEC and any of the current owners.

Administrative History

The facility was built and operated by Monsanto in the early 1960s. Greenwood Mills acquired the plant in 1968 and continued operations until 1988. Greenwood Mills Liner Plant operated under a NPDES permit. The NPDES permit is no longer active. The BOW required groundwater monitoring adjacent to wastewater treatment units. They submitted a 103C notification for two potential CERCLA landfills on their property. A preliminary assessment in 1989 gave the site a medium priority for a site inspection. A site inspection may have been performed by NUS in 1991, and in 1993 a letter from Hartsill Truesdale assigned a NFA to the site for Federal Superfund and referred the site back to BOW. In 2002, Tom Knight requested some surface water and sediment sampling at the site that was performed by Site Screening. PCE was detected in the Edisto at 7 ppb. Lead, mercury, and zinc were detected in sediment samples above background concentrations. The site was referred back to BOW.

The facility operated as a start to finish textile manufacturing plant including dyeing and finishing.

Currently three monitoring points are sampled on an annual basis for a very limited list of constituents. One point is adjacent to the boiler building and two are upgradient of the southern sprayfield.

Steven and Jodee Till have been constructing a series of interconnected ponds on their portion of the property.

Concerns and Observations

The portion of the property purchased by Steven and Jodee Till appears to be used as a hunting club. There is uncertainty about the source of drinking water used at the hunt club.

POTENTIAL SOURCE AREAS

A number of areas were identified that have the potential to contribute contamination to groundwater. Observations of surface soil indicated stressed vegetation and/or staining as noted.

Sprayfields

Two fields are present at the site that are approximately 750' long by 500' wide. Until the press building was built, processed sludge was sprayed on the fields under a permit. A portion of the northern spray field was excavated during the installation of the equalization basin. The southern spray field could be identified based on the lack of vegetation in the field. To my knowledge, no soil samples have been collected from the spray fields, and the monitoring points are improperly placed to detect the impact of the spray fields. Based on the presence of stressed vegetation, it appears that the southern spray field has impacted the environment.

Clarifiers

Two clarifiers reamin on site with equipment attached. The water within the clarifiers is bright green. There are no groundwater monitoring points downgradient of the clarifiers. To my knowledge, no samples have been collected from the clarifiers.

Former Landfills

I was unable to exactly locate the former CERCLA landfills but have found them on a Google Earth 1994 Aerial photo of the site. Groundwater sampling occurred outside the landfill using the hydrocone. As far as I can tell, no soil samples occurred in the vicinity of the landfills. No samples were collected from within the landfill, so it is difficult to ascertain the type of concern that may exist

Cogeneration Plant

This was a coal-fired power plant. According to Mr. Harter, the plant was 9 stories high, and the electricity was sold to Orangeburg and then resold to the facility. To my knowledge, no samples of ash, surface soil, or groundwater have been collected that would detect the impact of this area. The fate of the ash is uncertain although it would be possible for the ash to be present in the landfills.

Tank Farm Area

Visible staining was observed in this area. A substantial amount of debris was present as well making it difficult to observe the locations of potential sumps or spills. One temporary groundwater monitoring point was installed and sampled to the south (sidegradient) of this area as part of the 1989 pre-buy sampling conducted by Aquaterra. 3.3 mg/l formaldehyde was detected at this point and bromoform was detected at 8.9 mg/l. MW-15L may be downgradient of a portion of the northern tank farm area but has not been sampled for a period of time.

Equalization Basin/Sprayfield #1
This basin is located in a topographic low area such that adjacent monitoring points are upgradient/sidegradient from the basin. To my knowledge, no soil/sludge samples have been collected from the equalization basin. The equalization basin was the first place wastewater collected before it passed through the lagoons into the clarifiers. Water is still present in this basin.

Lagoon 1
No groundwater, soil, or sludge samples have been collected that would indicate the potential impact of this lagoon on the environment.

Lagoon 2
A wall/dike was noted around Lagoon 2. I asked about the function of the wall, and Mr. Harter explained that the facility had difficulty with foaming when wastewater would enter Lagoon 2. So much foaming occurred that the foaming water would flow out of the basin into the river. The wall was installed to catch the foam and to prevent it from reaching the Edisto river. Treatment equipment remained in Lagoon 2 including some type of a bridge with movable equipment.

Underground Lines
There are multiple underground conduits that moved wastewater from the manufacturing building to the sprayfields, equalization basins, press building, lagoons, and clarifiers. There are a few locations where these lines may be accessed outside the building.

Outfall
Stressed vegetation and dead trees are present adjacent to the outfall. The dead trees are visible on Google Earth and a printout of the aerial photo is attached.

Building Basement
Prior to leaving, I was notified that all the floor drains I observed on the ground floor drained into an open canal in the basement that passed underground to the wastewater treatment areas. Due to time constraints, I did not request to view the basement area.

Other Observations
There are additional buildings on-site including the coating building and fuel oil tanks that may have additional environmental concerns. Due to time constraints, these areas were not inspected.

The scale of the site map that is typically submitted to the Department that illustrates well locations is one inch equals 500'. This causes the well locations to appear adjacent to potential source areas. Furthermore, the topographic lines are not labeled to show the minor topographic ridges that are present between the site and the Edisto river. As a result, the map is misleading. While it appears that the monitoring points are located properly, a site visit has revealed that the majority of monitoring points at the site are either sidegradient or locally upgradient of the areas they are supposed to monitor. For

instance, MW-2, MW-2AL, and MW-6L are upgradient of the southern spray field (map attached). MW-10 and MW-11L are sidegradient of the lagoon and clarifiers and are topographically higher than the lagoon or the clarifiers.

Vertical delineation of contamination may have been attempted at a couple of monitoring points, but no discrete sampling has been performed that would define the vertical location of any groundwater contamination. Shallow wells at this site are typically 30' deep and deeper wells are about 60' deep. Screened intervals range between 5 and 25 feet in length.

cc: Gary Stewart
File

SOURCE AREA IDENTIFICATION AND SURFACE WATER ASSESSMENT PLAN

Greenwood Mills Liner Plant
Rowesville, Orangeburg County

Prepared by:
SC DHEC
2600 Bull Street
Columbia, South Carolina 29201
July 2012

1. Project Information

This source area identification and surface water assessment work plan (work plan) details the procedures for sampling, field measurements and field documentation to be utilized during the assessment of the Greenwood Mills Liner Plant site (the Site). The Site is located on Southern Patio Parkway near Rowesville, South Carolina (Figure 1). This work plan has been prepared so that data and information gathered are consistent with the intent of the National Contingency Plan (NCP), are properly documented; and are technically sound for decision-making purposes.

2. Site History

The Greenwood Mills Liner Plant site was built by Monsanto in 1964 as a textile dyeing and finishing plant. Processes at the facility included bleaching, mercerizing, dyeing, coating, and finishing. Chromium and PCE were used in the operation in addition to various dyes. The plant was purchased by Greenwood Mills in 1968 and continued to operate until 1988.

Facility waste was managed in an on-site wastewater treatment plant in unlined lagoons. Because of a pH problem associated with wastewater treatment, spent acid from Lobeco and Ethyl Corporation was used to adjust the wastewater pH. Approximately 700,000 pounds of spent acid was added to the system each month while the system was in operation. For a period of time, the facility operated under a NPDES permit. The wastewater treatment process generated sludge that was sprayed onto two sprayfields for about eight years. Later a sludge press was constructed and employed, and sludge was shipped to a local landfill.

The site submitted a 103C notification of CERCLA activities pertaining to two on-site landfills that contained manufacturing and construction waste. These landfills were operated as open-burn sites until they were closed in 1973 when open burning was banned. A nine-story coal-fired power generation plant was operational at the site in the 1960s and 1970s. From 1980-1983, the plant operated under interim status as a RCRA-TSD facility. During this time, a mixture of waste oil and solvent was burned in their boiler.

As a result of the 103C notification, a Preliminary Assessment was performed at the site in 1989 which recommended a site inspection with a medium priority. A Site Inspection was performed by NUS under contract to the USEPA in 1990 and the associated 1991 report recommended a listing site inspection with a medium priority. A Site Inspection Prioritization Report in 1993 indicated surface water data needed to be collected at the site. In 2002, limited sampling was performed on surface water at the site by SCDHEC's Site Assessment program. Ambient water quality criteria were exceeded as 7 ug/l pce was detected in the Edisto River during the 2002 investigation. .Because of the wastewater permitting authority under the Bureau of Water, the site was referred to the BOW for oversight and no further action was planned under Federal Superfund.

The Bureau of Water required installation and periodic sampling of selected monitoring wells around the wastewater treatment units. A recent site visit and review of monitoring well construction information suggests many of the monitoring wells are side gradient to upradient of areas of concern, and they screened in a manner and at intervals that may miss zones of groundwater contamination. Several applications for a Ground Water mixing zone occurred, but the file does not indicate a mixing zone was approved. However, a monitoring plan was approved in lieu of a mixing zone. Three wells are currently sampled on site annually. A site visit also identified a number of potential source areas that have not been sampled or have not been sampled adequately.

Russell Corporation collected additional samples as part of an intent to purchase the site. The soil analytical information from this investigation is not available in the current file, but a base map used as part of that investigation identifies almost all potential areas of concern at the site (Figure 2). This base map is the point of reference that will be used as a reference for the source area identification effort. Russell Corporation did not purchase the property after sampling the site.

The property has been sold as two parcels. The main building and immediately adjacent property was purchased by Southern Patio Products. The wastewater treatment units and portion of the land on the Edisto River was purchased by Steven and Jodee Till. Neither owner has performed environmental evaluations to determine if the area is safe for the intended use. Southern Patio is using the upper floors of the facility as a warehouse. Steven and Jodee Till are developing the property for a hunt club. They have an on-site trailer, and heavy equipment is being used to create ponds. The source of drinking water for the trailer is uncertain as is the fate of any domestic wastewater. There are no established deed restrictions concerning the safe use of either property. There are no restrictions in place regarding safe uses of the adjacent Edisto River which is used for fishing, canoeing, boating, and swimming in the area. Wetlands are present in the vicinity of the site in addition to endangered species.

3. Potential Source Area/Area of Concern Descriptions

Unless otherwise noted, locations of these features are shown in Figure 2. A current aerial map illustrating the site condition is included in Figure 3.

Facility basement: All overlying floor drains were piped to a canal in the basement of the building prior to being directed to the wastewater treatment plant. Residual water, sludge, or sediment may contain constituents of concern.

Underground conveyance to WWTP: This led from the basement to the wastewater treatment plant. It is accessible through several manholes and grated areas on site. Sediment and wastewater within the conveyance may contain constituents of concern.

Equalization Basin (unlined): The equalization basin was the first area to receive wastewater. Sludge, wastewater, and underlying soil may contain constituents of concern. It is also possible that ground water has been impacted. Based on aerial maps, it appears that this area has a small amount of standing water and may be accessible on foot.

Northern Lagoon (unlined): The northern lagoon is diked because, in the past, foam used to overflow the lagoon and drain into the river. This was the only place where foaming was reported to be an issue. Sludge, wastewater, and underlying soil may contain constituents of concern. It is also possible that ground water has been impacted.

Northern Lagoon Overflow (Figure 4): There is an area adjacent to the lagoon where it appears that overflow water and foam collected. Surface and subsurface soil may contain constituents of concern. It is also possible that ground water has been impacted.

Southern Lagoon (unlined): This is the final treatment area for wastewater before the water was sent to the clarifiers. Sludge, wastewater, and underlying soil may contain constituents of

concern. It is also possible that ground water has been impacted. Based on aerial maps, it appears that this area has a small amount of standing water and may be accessible on foot.

Northern Clarifier: Aerial photographs show water in this clarifier is green. It is not known if the clarifier is lined. Sludge, wastewater, and underlying soil may contain constituents of concern. It is also possible that ground water has been impacted.

Southern Clarifier: Aerial photographs show water in this clarifier is green. It is not known if the clarifier is lined. Sludge, wastewater, and underlying soil may contain constituents of concern. It is also possible that ground water has been impacted.

Northern Sprayfield: For about eight years, wastewater was sprayed onto this sprayfield. Surface soil, subsurface soil, and groundwater may be affected by contamination. Stressed vegetation suggests this sprayfield has been impacted by contamination.

Southern Sprayfield: For about eight years, wastewater was sprayed onto this sprayfield. Surface soil, subsurface soil, and groundwater may be affected by contamination. Stressed vegetation suggests this sprayfield may have been impacted by contamination.

Eastern Landfill (Figure 5): Coordinates: 33°24'52.02"N; 80°51'14.88"W This site was reported in a CERCLA 103C notification. The contents of the landfill have not been sampled. It is possible that coal ash was disposed in this area. It was reported that this landfill operated as an open burn site. Surface soil, subsurface soil, and groundwater may be affected by metals contamination.

Western Landfill (Figure 5): Coordinates: 33°24'47.36"N; 80°51'18.93"W. This site was reported in a CERCLA 103C notification. The contents of the landfill have not been sampled. It is possible that coal ash was disposed in this area. It was reported that this landfill operated as an open burn site. Surface soil, subsurface soil, and groundwater may be affected by metals contamination.

Boiler: The boiler received waste oil and solvents during its operation under RCRA Interim Status. Surface soil, subsurface soil, and groundwater may be affected in this area.

Tank Farm: Chemicals used in the process were stored in the tank farm area. Leaks may have entered the subsurface through underground lines and sumps. Surface soil, subsurface soil, and groundwater may be affected in this area.

Coal Generation Plant: Because coal was burned, it is possible that the ash from the process may have contaminated surface soil in the area. Contaminants may have migrated to subsurface soil and groundwater as well.

Stressed vegetation

a) NW of Northern Lagoon (Figure 6): This area was identified using an aerial map. It is possible that surface soil, subsurface soil, and groundwater are contaminated in this area.
b) Adjacent to southern outfall (Figure 7): Dying trees were noted in the vicinity of this outfall. Surface water, sediment, soil, subsurface soil, and groundwater samples may be impacted by site activities in this area.

4. Project Data Objectives

The objective of the Phase I data collection is to confirm whether sources of environmental contamination remain on the site and the extent of the sources. To reduce uncertainty, screening level data will be used to identify samples that should be sent to a fixed certified laboratory for Level 3 DQO confirmation. Phase II data collection will use a similar approach to identify whether groundwater contamination has reached the Edisto River and whether sediment has been impacted. All information will be used to determine whether there is a present or potential risk to human health and the environment resulting from contamination at the site.

5. Field Screening and Laboratory Analysis

Current plans are to spend about seven days advancing the borings and collecting the samples for Phase 1 and three days collecting Phase 2 samples. Results may be used to guide development of additional scopes of assessment, if needed. An assessment report will be written after completing the sampling and receipt of laboratory reports. The report will present the results from this effort.

6. Field Procedures

This section of the work plan identifies the specific tasks that will be undertaken at the Site and the procedures that will be used to accomplish these tasks. Where possible and practical as governed by actual site conditions, the Department will attempt to follow selected field procedures listed on the USEPA Region IV Science and Ecosystem Support Division (SCSD) Field Branches Quality Systems and Technical Procedures website (**http://www.epa.gov/region4/sesd/fbqstp**) as they apply to this project. In the absence of a specific procedure or overriding site conditions, the Department will rely on experience and best management practices.

The following field procedures are available from the above referenced web page for general use in guiding this project.

- Field Equipment Cleaning and Decontamination (USEPA 2011)
- Field pH Measurement (USEPA 2008)
- Field Specific Conductance Measurement (USEPA 2012)
- Field Temperature Measurement (USEPA 2011)
- Groundwater Level and Well Depth Measurement (USEPA 2007)
- Pump Operation (USEPA 2009)
- Groundwater Sampling (USEPA 2011)
- Packing, Marking and Shipping of Environmental and Waste Samples (USEPA
- 2011)
- Sample and Evidence Management (USEPA 2007)
- Logbooks (USEPA 2010)
- Field Sampling and Measurement Procedures and Procedure Validation (USEPA 2009)
- Field Sampling Quality Control (USEPA 2010)
- Management of Investigative Derived Waste (USEPA 2010)
- Global Positioning System (USEPA 2011)
- Sediment Sampling (USEPA 2010)
- Soil Sampling (USEPA 2011)
- Surface Water Sampling (USEPA 2007)

- Pore Water Sampling (USEPA 2007)
- Field X-Ray Fluorescence (XRF) Measurement (USEPA, 2011)

Additional guidance pertaining to screening methods including color-tec and field GC operation is available through the Superfund web site http://www.epa.gov/superfund/programs/dfa/fldmeth.htm. The following procedures apply to this investigation:

- Analysis of Total Chlorinated Ethenes in Soil and Groundwater Using the Color Tec Screening Method (USEPA, 2009)
- EPA Dynamic Field Activities/Field-based Analytical Methods, Gas Chromatograph

The field gas chromatograph will be operated in accordance with USEPA SW-846 procedures

Additional tasks may be identified at a later date that may require the addition of other procedures. Should that be the case, this work plan will be amended and updated as appropriate.

7. Project Mobilization

The Department will mobilize to the Site and establish the on-site work areas. The Site has several cleared areas and previously established access roads. One of these cleared areas will be selected as the staging and decontamination area. Daily site and safety meetings will be conducted at this location along with the orderly storage of equipment, supplies and trash. This cleared area will also serve as a rally point in the event of an on-site emergency.

8. Surface Soil, Sludge, Soil Borings, and Groundwater Sampling

The first phase of the project is an attempt to identify potential source areas exhibiting soil or groundwater impact. The approximate sample locations are shown in Figures 9, 10, 11, and 12. Table 1 lists the analytical parameters for each type of sample proposed for collection for Phase 1. Table 2 lists the same information for Phase 2. Table 3 summarizes and totals all matrices and types of analyses. Actual field conditions may dictate alternate locations for some of the borings.

Where accessible, the direct push equipment will be used to collect soil cores for sampling. Underneath the lagoons, a hand auger may be operated to obtain soil cores for sampling. Soil samples under lagoons will consist of the upper eighteen inches of soil beneath the lagoon. Samples from hand augers will be collected from 0-6" and 12"-18". If it is not possible to obtain hand augers directly through the lagoon, soil samples may be collected directly adjacent to the lagoons using the direct push equipment. Samples directly below the lagoon are preferred. Groundwater and soil samples will also be collected adjacent to the center of the southern side of each lagoon.

The direct push borings will be extended to 75' or probe refusal to determine soil lithology and groundwater quality. Continuous soil cores will be collected to the refusal depth. Soil cores will be visually evaluated to determine the presence of contamination. Samples for field screening and laboratory analysis will be collected from 0-6", 12-18", 2-3', 4-5' and every ten feet thereafter. The results of field screening will be used to select samples that will be sent to a SC certified laboratory for confirmation analysis.

If present above probe refusal, a sample of first groundwater will be obtained for field screening and possibly laboratory analysis. If greater than 10 feet of groundwater is present above the refusal depth, then a groundwater will be collected every 10 feet for field screening and possible laboratory analysis unless visual inspection of the soil core suggests a source may be present at a

different depth. In this case, a water sample will also be collected adjacent to potential sources. Once completed, the direct push boring will be abandoned in general accordance with the *South Carolina Well Regulations, R.61-71.*

Because direct push may yield turbid samples, six wells on-site will be sampled for metals using low-flow sampling methods.

Direct Push Groundwater sampling will be accomplished with the following procedure:

1. Extract the groundwater sample from the boring using new polyethylene tubing and check valve.
2. Decant the sample from the tubing directing into laboratory supplied sample containers.
3. Label and manage the groundwater samples in general conformance with methods listed in Section 6 and 11 of this work plan.
4. Groundwater sampling location coordinates shall be determined by GPS.

Six on-site groundwater wells will be sampled for metals analysis. Sampling shall be performed using low-flow techniques to minimize sample turbidity. Samples shall be collected in agreement with USEPA (2011) in agreement with the following procedure:

1. Insert intake to approximate center point of well screen.
2. Pump at a low-flow rate to minimize drawdown
3. Monitor pH, temperature, and conductivity until three separate measurements vary less than 10%
4. Collect a sample from the outlet of the sampling device.
5. Label and manage the groundwater samples in general conformance with methods listed in Section 6 and 11 of this work plan.

Soil sampling will be performed using the following procedure:

1. Obtain a soil core from the target depth using a hand auger or direct push
2. If applicable, open the plastic sheath around the soil core using a sharp tool. Identify potential zones of contamination based on visual observation and OvA/PID. Sample identified zones by using wide-mouth syringe to collect several aliquots of sample for method 5035A/8260.
3. Place aliquots in prepared 40 ml sample vials.
4. Using syringe, collect one additional sample in 40 ml vial for on-site analysis.
5. Using syringe, collect 50 g of sample for XRF analysis
6. Label and manage the soil samples in general conformance with methods listed in Section 6 and 11 of this work plan.
7. If no groundwater sample is collected, soil sampling location shall be determined by GPS.

Waste water sampling will be performed using the following procedure:

1. A scoop or disposable bailer will be lowered into the water to obtain a sample
2. The sample will be decanted into sample containers.
3. Samples will be labeled and managed in general conformance with methods listed in Section 6 and 11 of this workplan.

4. Approximate waste water sampling locations shall be determined by GPS.

Sludge sampling will be performed using the following procedure:

1. A sludge dredge or other approved sample collecting device will be lowered into the bottom of the lagoon and retrieved
2. If sufficient material is available for sampling, the sample will be collected using a stainless steel spoon or other appropriate sampling device.
3. Samples will be placed into prepared 40 ml sample vials.
4. Label and manage the samples in general conformance with methods listed in Section 6 and 11 of this work plan.
5. Sludge sampling location shall be determined by GPS.

Included in Table 4, 5, and 6 are analytical parameters and detection limits from the analytical laboratory that will be used for this project. In the case of the groundwater and soil field screening, the vials will be pre-cleaned by the manufacturer. For samples that will be submitted to the analytical laboratory, the containers will be supplied by the laboratory.

9. Sediment and Pore Water Sampling

The second phase of the project is an attempt to identify potential current impacts to the benthic community adjacent to the site. Pore water samples will be used to identify where groundwater contamination may be entering surface water. The results of the pore water sampling will be used as a guide for the locations of sediment and surface water samples. Visual observation will also be used to guide the locations of sediment samples if areas of visible contamination are identified. Non-turbid samples will be collected from the bottom of the surface water column adjacent to areas where groundwater contamination has been identified based on pore-water sampling.

The approximate proposed sample locations are shown in Figure 8. Table 2 lists the general classes of analytical parameters for each type of sample proposed for collection.

Pore water sampling will be performed in the following manner:

1. A push point sampler will be pushed 6-12" and 18-24" into sediment adjacent to or within the Edisto River or other areas of surface water.
2. A syringe will be used to evacuate the sampler at least three or four times until the water becomes clear.
3. Decant the sample from the syringe directly into sample containers.
4. Label and manage the samples in general conformance with methods listed in Section 6 and 11 of this work plan.
5. If possible, pore water sample locations will be determined by GPS.

Sediment sampling will be performed in the following manner:

1. Samples will be collected from the most downstream location first and proceed upstream to avoid mobilization of contamination.
2. A stainless steel scoop or dredge will be used to obtain and transfer sediment samples into a 40 ml vial. For method 5035/8260b, sediment aliquots will be obtained and transferred to the appropriate sample container. For color-tech and XRF analysis, samples will be transferred to a 40 ml vial or plastic bag as appropriate.

3. Label and manage the samples in general conformance with methods listed in Section 6 and 11 of this work plan.
4. If possible, sediment sample locations will be determined by GPS.

Surface water samples will be collected in the following manner:

1. Samples will be collected from the most downstream location first and proceed upstream to avoid mobilization of contamination.
2. A stainless container attached to a measuring rod or a disposable bailer shall be used to collect a non-turbid surface water sample from 6" above the surface water/sediment interface on the northern side of the Edisto River.
3. Samples will be decanted into appropriate sample containers.
4. Label and manage the samples in general conformance with methods listed in Section 6 and 11 of this work plan.
5. If possible, surface sample locations will be determined by GPS.

10. Field Quality Control

Quality control samples for this project will include the following:

- **Equipment Blank** – an equipment blank will be collected by pouring laboratory supplied deionized water through previously decontaminated equipment such as direct push rods and into laboratory supplied sample containers. An equipment blank will be collected after every 10 decontamination events.

- **Duplicate** – A field duplicate will be collected after every tenth sample or if sample conditions would dictate an increased frequency, such as an obvious impacted sample and/or a sample collected from the suspected spatial limit of groundwater impact.

- **Field Blank** – One field blank will be collected each day of sampling. A field blank shall be collected by pouring laboratory grade deionized water directly into a 40 ml vial. If ambient odors are noted during sampling that may impact the sample quality, additional field blanks may be collected.

11. Sampling Labeling and Documentation

Each sample collected as part of the assessment of the Greenwood Mills Liner Plant Site will be conducted in general accordance with:

- Sample and Evidence Management (USEPA 2007)
- Field Sampling Quality Control (USEPA 2010)

The following sample prefixes will be used for samples collected on this project:

- GM-Greenwood Mills
- DP-Direct push groundwater sample
- MW-On site monitoring well

- SB-Subsurface soil sample
- SS –Surface soil sample
- SL-Sludge sample
- SD-Sediment sample
- PW-Pore water sample
- WW-Wastewater sample

The first number following the prefix would indicate the sample number, and the second number following the prefix will specify the sample depth. For duplicate samples, a suffix of "D" shall be used

For example, GM-SB-04-10 would correspond to boring number 4 with a soil sample collected from 10 feet below ground surface.

Samples collected for QC purposes will be designated by:

- EB – Equipment Blank
- D – Duplicate
- FB – Field Blank

The actual identifying location of QC samples will be recorded in the logbook. Daily on-site activities will be recorded in the project field logbook.

12. Sample Management and Shipment

Generally, environmental sample management and shipment will follow the guidelines listed in:

- Packing, Marking and Shipping of Environmental and Waste Samples (USEPA 2011)

Should plans include relinquishing samples to a courier arrangements will be made for the courier to arrive near the end of the work day to take custody of samples collected that day. The intention is to not hold any samples over night.

13. Decontamination

Decontamination activities will follow relevant and applicable portions of:

- Field Equipment Cleaning and Decontamination (USEPA 2011*)*

Decontamination of re-useable field equipment and down-hole drilling equipment (direct push rods, hollow stem augers, and drill rods less than 10 feet long) will be accomplished at the decontamination station located at the staging area. At the end of each work day, accumulated fluids will be transferred to 55-gallon drums for later disposal as investigative derived waste. Likewise, accumulated solids (soils rinsed off of the drilling equipment) will be placed in to 55-gallon drums for later disposal.

14. Investigation Derived Waste Management

Investigative derived waste (IDW) will consist of solid waste and trash, and decontamination fluids/solids. Solid waste and trash will be deposed by normal methods (i.e. solid waste and trash

receptacles). Management of other IDW will generally follow the methods and procedures listed in:

Management of Investigative Derived Waste (USEPA 2010)

Analytical laboratory results from groundwater samples will be considered representative of decontamination fluids, development water and purge water.

15. Project Safety

Project health and safety guidelines are included above. Where conditions are not specifically addressed in the HASP, personnel performing field or sampling work will comply with applicable Occupational Safety and Health (OSHA) safety precautions. Level D protection will be worn at all times, unless conditions warrant upgrading to a higher level.

16. Report Preparation

Upon receipt of the laboratory report from the comprehensive sampling event, an assessment report will be prepared that will document and summarize the results. The report will be supplemented and supported with tables, figures, field notes, lab reports and appendices, as appropriate.

17. Project Schedule

Mobilization to the Site will occur approximately two to three weeks after finalization and approval of this work plan. Laboratory analysis will be completed about four weeks after mobilization. Within eight weeks of receipt of laboratory data, a draft report will be issued.

Table 1: Phase 1 Sampling matrix illustrating number of samples per area

Source Area/AOC	Sample type	Metals-XRF	Metals – Fixed Lab	VOCs-Field GC	VOCs-Fixed Lab	SVOCs including TICs Fixed Lab
Northern Lagoon	sludge/surface soil	2	0-1	2	0-1	1
	subsurface soil	4	0-2	4	0-2	1
	waste water		2	2	0-1	1
	groundwater			4	0-2	1
Southern Lagoon	Sludge/surface soil	2	0-1	2	0-1	1
	subsurface soil	4	0-2	4	0-2	1
	waste water		2	2	0-1	1
	groundwater			4	0-2	1
Equalization Basin	Sludge/surface soil	2	0-1	2	0-1	1
	subsurface soil	4	0-2	4	0-2	1
	waste water		2	2	0-1	1
	groundwater			4	0-2	1
Northern Clarifier	Sludge	1	0-1	0-1	0-1	0-1
	subsurface soil	1	0-1	0-1	0-1	0-1
	waste water		2	0-1	0-1	0-1
	groundwater			4	0-2	0-1
Southern Clarifier	sludge	2	0-1	1	0-1	1
	subsurface soil	2	0-1	1	0-1	1
	waste water		2	1	0-1	1
	groundwater			4	0-2	1
Northern Sprayfield	surface soil	2	0-1	2	0-1	1
	subsurface soil	4	0-2	4	0-2	1
	groundwater			4	0-2	1
Southern Sprayfield	surface soil	2	0-1	2	0-1	1
	subsurface soil	4	0-2	4	0-2	1
	groundwater			4	0-2	1
Eastern Landfill	surface soil	4	0-2	4	0-2	1
	subsurface soil	8	0-2	8	0-4	1
	groundwater			8	0-4	2
Western Landfill	surface soil	4	0-2	4	0-2	1
	subsurface soil	8	0-2	8	0-4	1
	groundwater			8	0-4	2
Boiler	surface soil	4	0-2	4	0-2	1
	subsurface soil	8	0-2	8	0-4	1
	groundwater			8	0-4	2
Coal Generation Plant	surface soil	4	0-2	4	0-2	1
	subsurface soil	8	0-2	8	0-4	1
	groundwater			8	0-4	2
Northern Lagoon Overflow	surface soil	4	0-2	4	0-2	1
	subsurface soil	4	0-2	4	0-4	1
	groundwater			4	0-4	2
Northern Stressed Vegetation	surface soil	4	0-2	4	0-2	1
	subsurface soil	4	0-2	4	0-4	1
	groundwater			4	0-4	2
Southern Stressed Vegetation	surface soil	4	0-2	4	0-2	1
	subsurface soil	4	0-2	4	0-4	1
	groundwater			4	0-4	2
Tank Farm	surface soil	4	0-2	4	0-2	1
	subsurface soil	8	0-2	8	0-4	1
	groundwater			8	0-4	2
Basement Canal	wastewater		2	2	0-2	1
	sludge/sediment	4	2	4	0-2	1
Underground Conveyance	wastewater		2	8	0-2	1
	sludge/sediment	8	0-4	8	0-4	2

Table 2: Phase 2 Sampling Matrix indicating number of samples per area

Source Area/AOC	Sample type	Metals-XRF	Metals – Fixed Lab	VOCs-Field GC	VOCs-Fixed Lab	SVOCs Fixed Lab
Edisto River Sediment	sediment	8	4	8	4	3
Edisto River Pore Water	Pore water		4	10	4	2
Edisto River Surface Water	Surface water		8	8	4	3

Table 3: Total Maximum Number of Samples

	Metals-XRF	Metals Fixed Lab	VOCs-Field GC	VOCs-Fixed Lab	SVOCs plus TICs
Surface Soil	**36**	**18**	**36**	**18**	**10**
Subsurface Soil	**75**	**28**	**74**	**44**	**12**
Sludge/Sediment	**21**	**11**	**20**	**11**	**8**
Wastewater		**14**	**18**	**9**	**7**
Groundwater		**6**	**80**	**46**	**22**
Pore Water		**4**	**10**	**4**	**2**
Sediment(Edisto)	**8**	**4**	**8**	**4**	**3**
Surface Water		**8**	**8**	**4**	**3**
Total	**140**	**93**	**254**	**140**	**67**

Figure 1: General Site Location Greenwood Mills Liner Plant

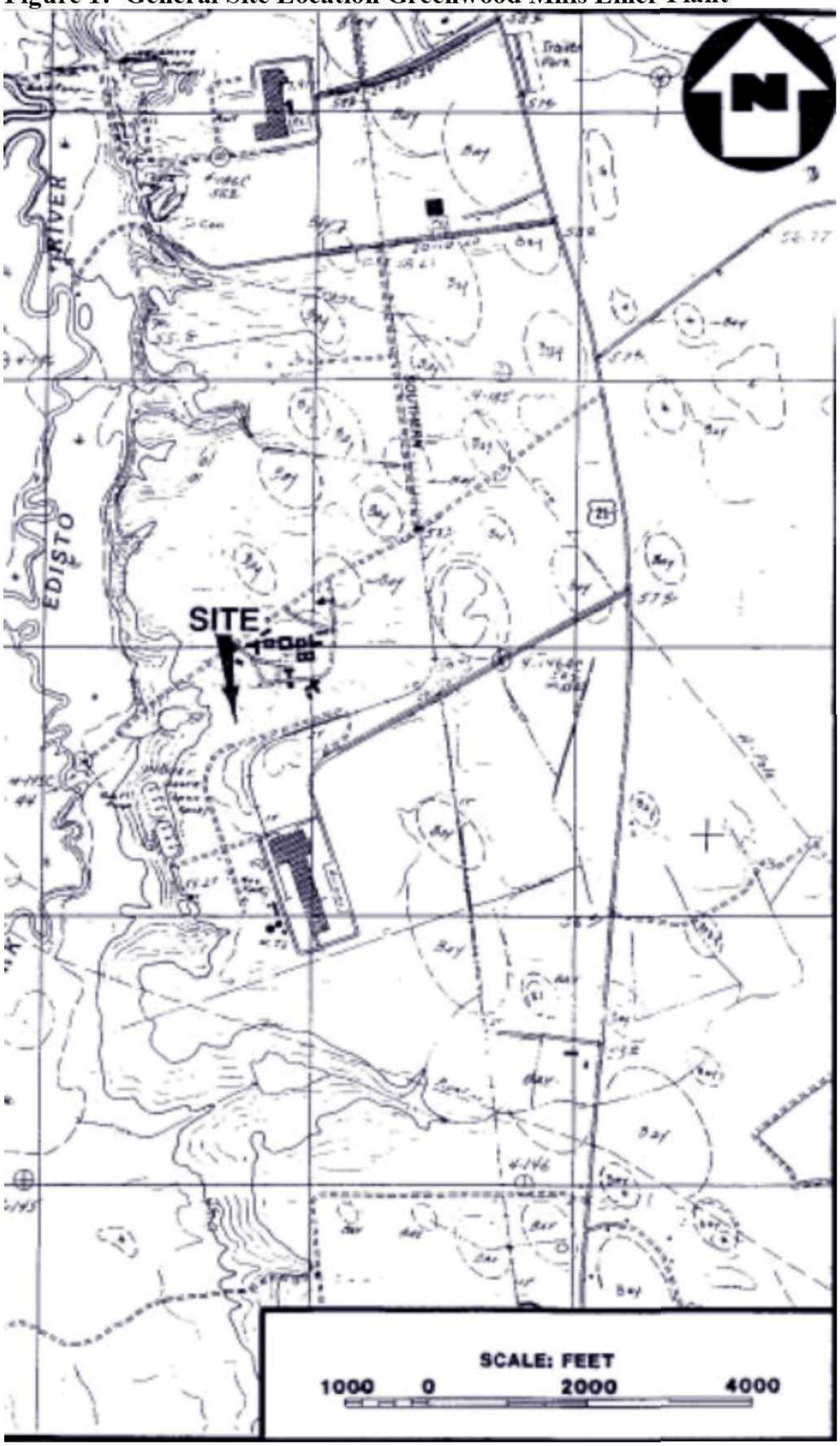


Figure 2: Greenwood Mills Liner Plant Potential Source Areas

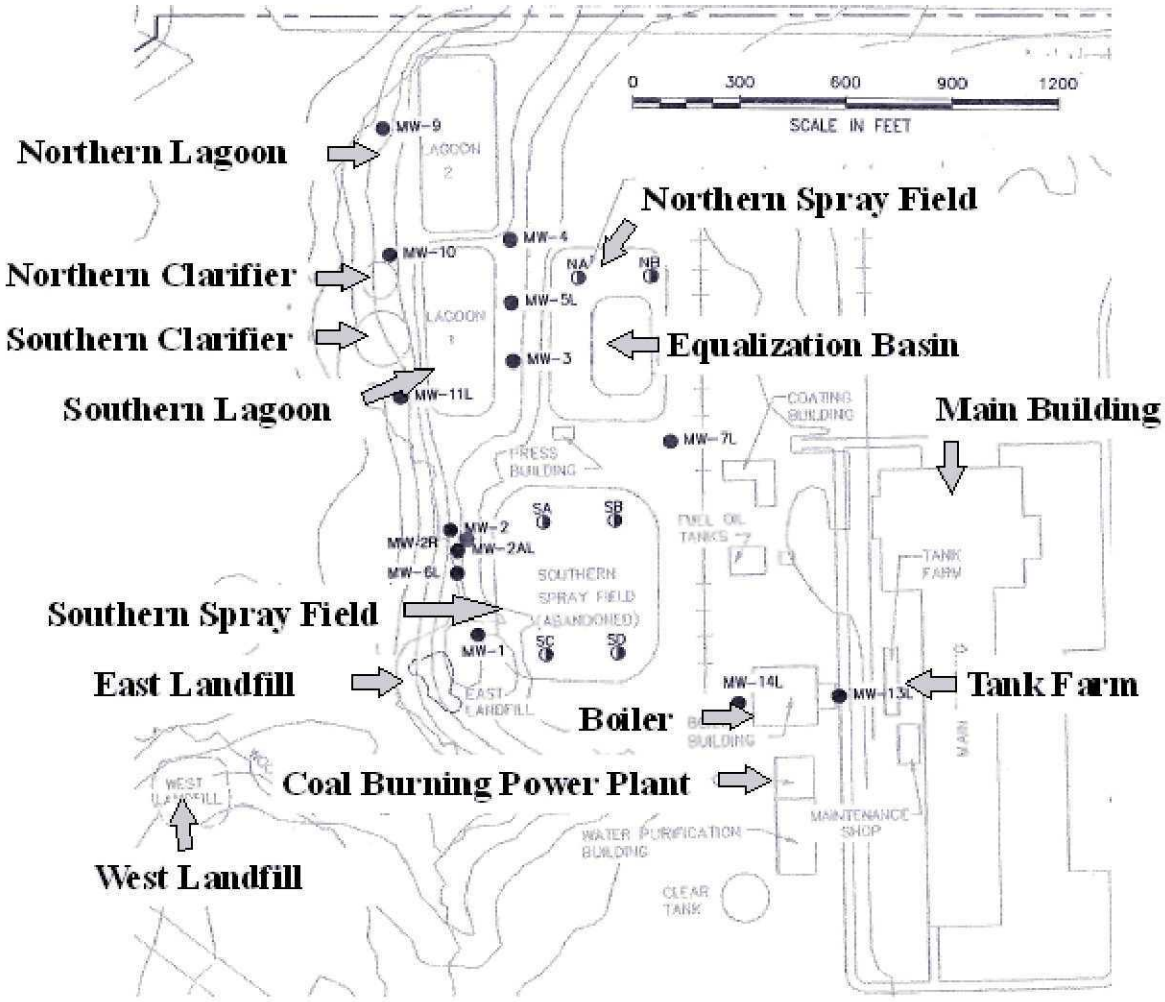


Figure 3: Recent Aerial Map of Greenwood Mills Liner Plant Site (Google Earth)

Figure 4: Greenwood Mills Liner Plant Northern Lagoon Overflow AOC

Figure 5: Greenwood Mills Liner Plant Aerial Map Showing Landfills

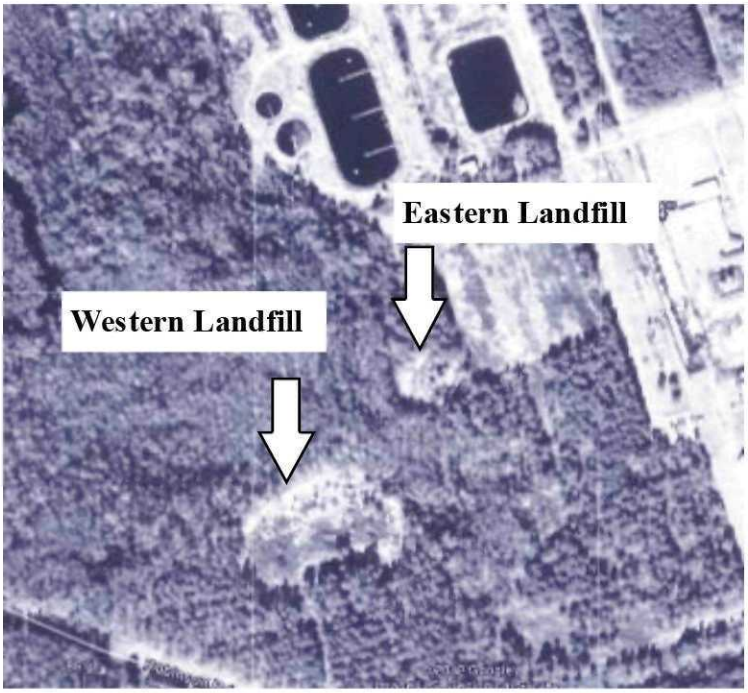


Figure 6: Greenwood Mills Liner Plant Stressed Vegetation AOCs, Northern Lagoon

Figure 7: Greenwood Mills Liner Plant Stressed Vegetation AOC, Southern Area

Figure 8: Greenwood Mills Liner Plant Surface Water , Sediment, and Pore Water Sampling Locations

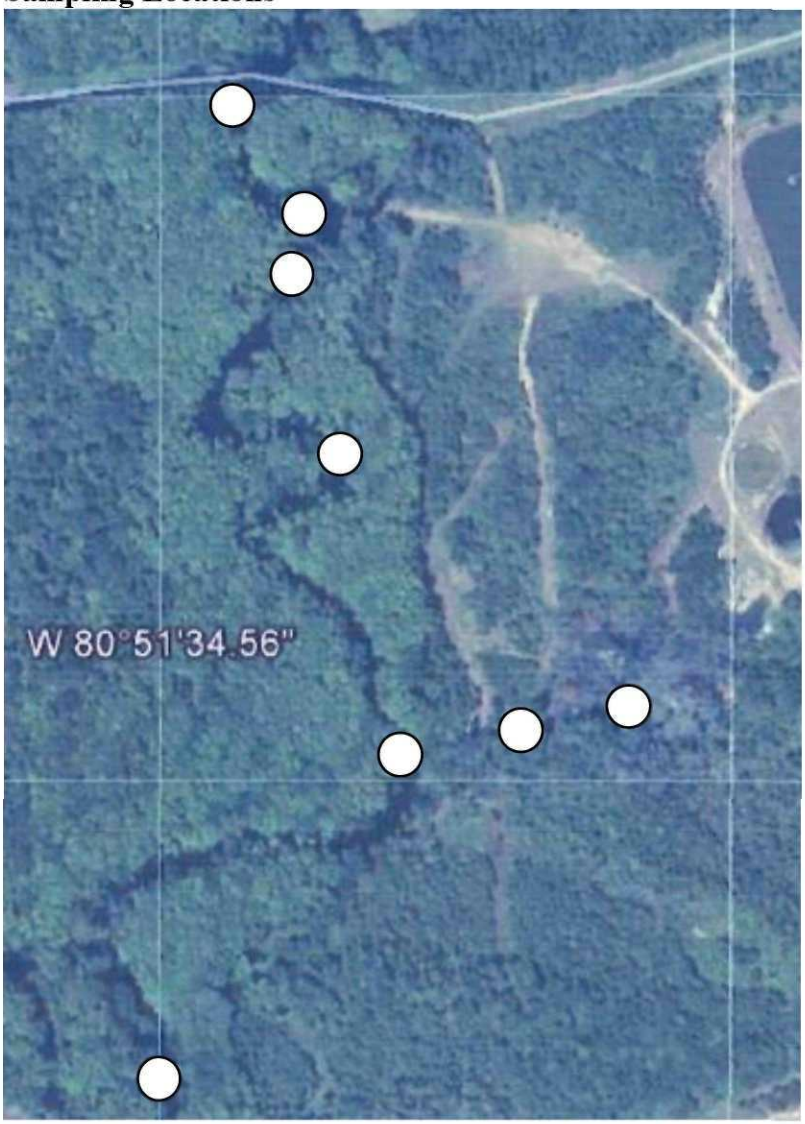


Figure 9: Greenwood Mills Liner Plant Proposed Direct Push Locations

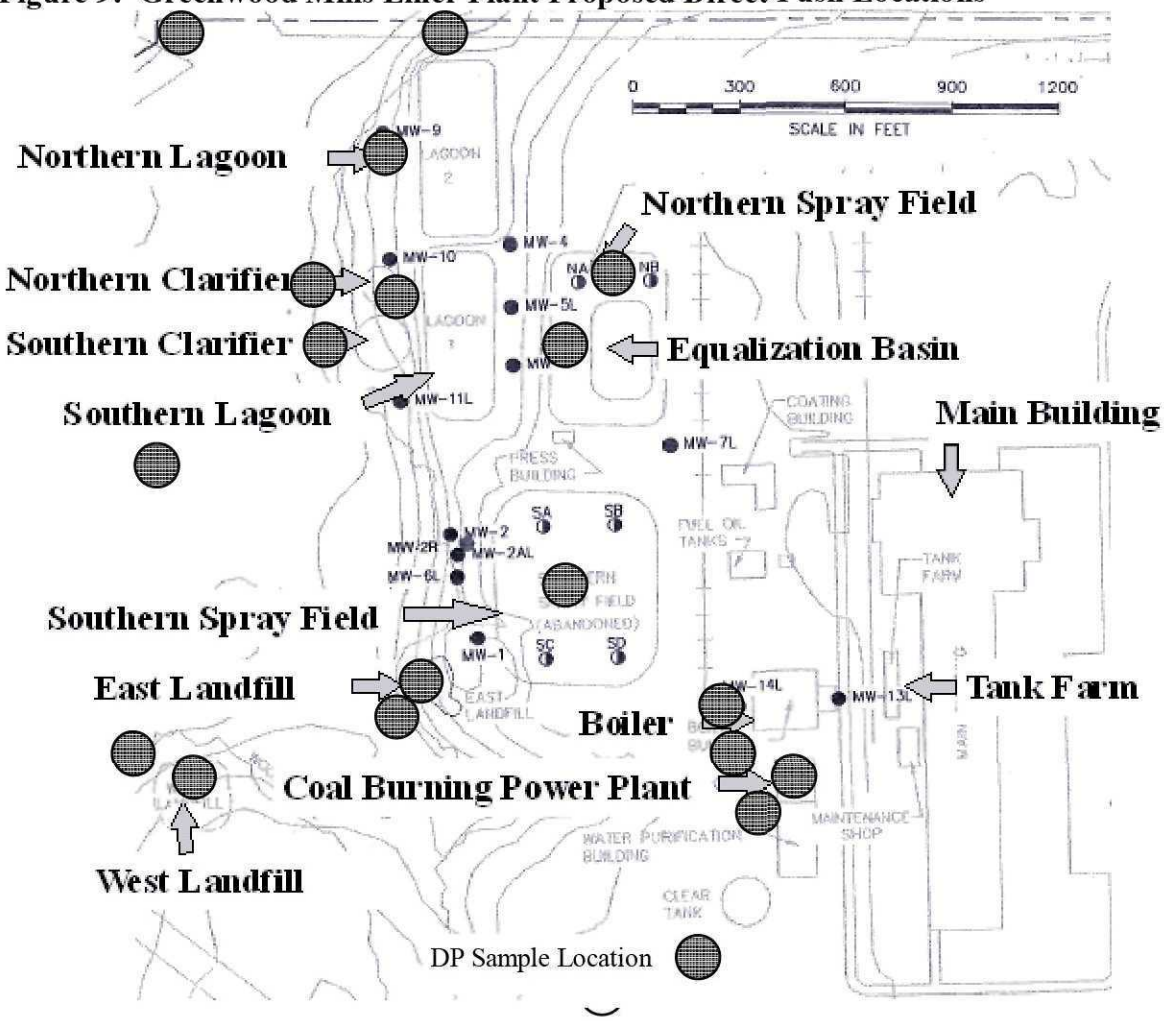


Figure 10: Greenwood Mills Liner Plant Proposed Wastewater Sampling Locations

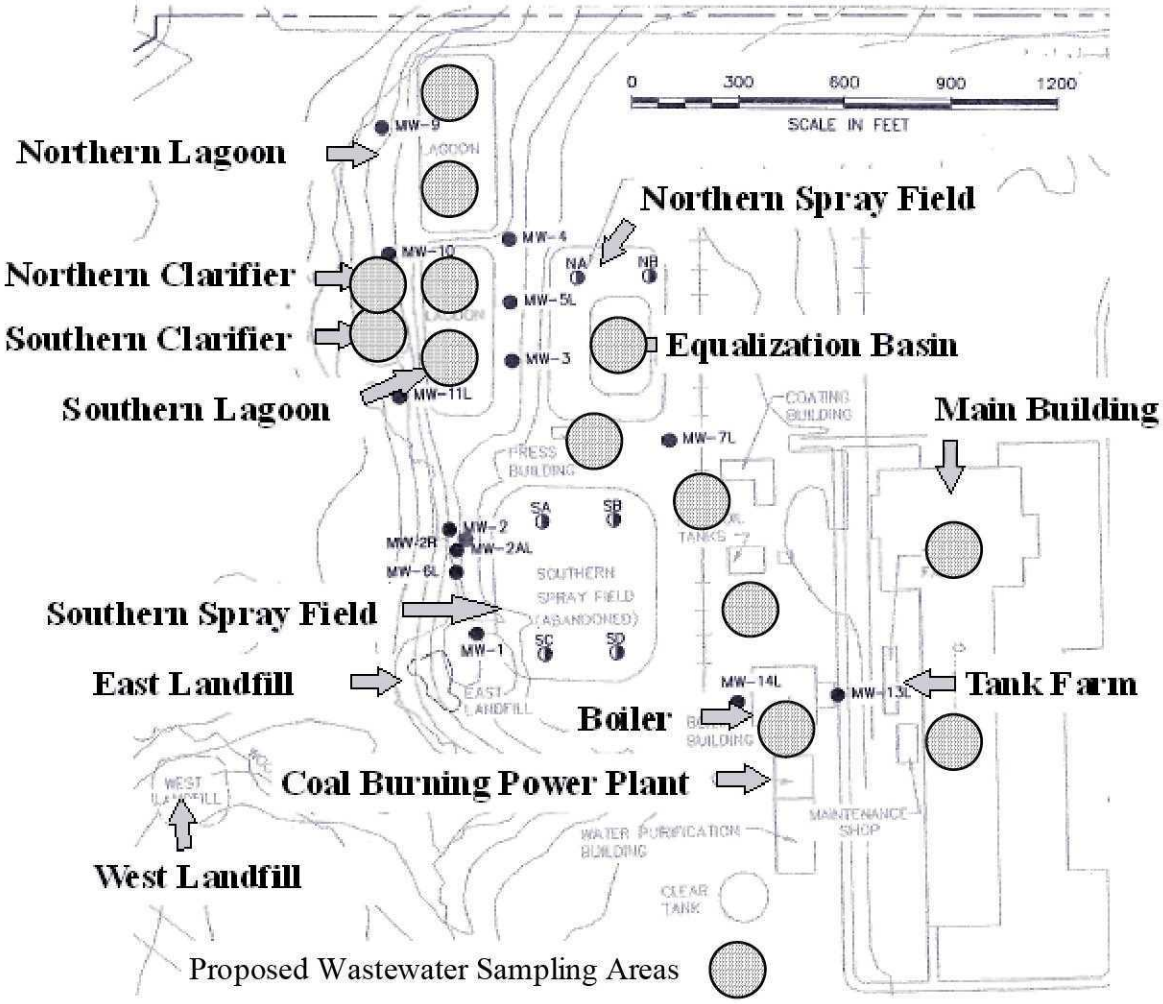


Figure 11: Proposed Sludge/Sediment Locations

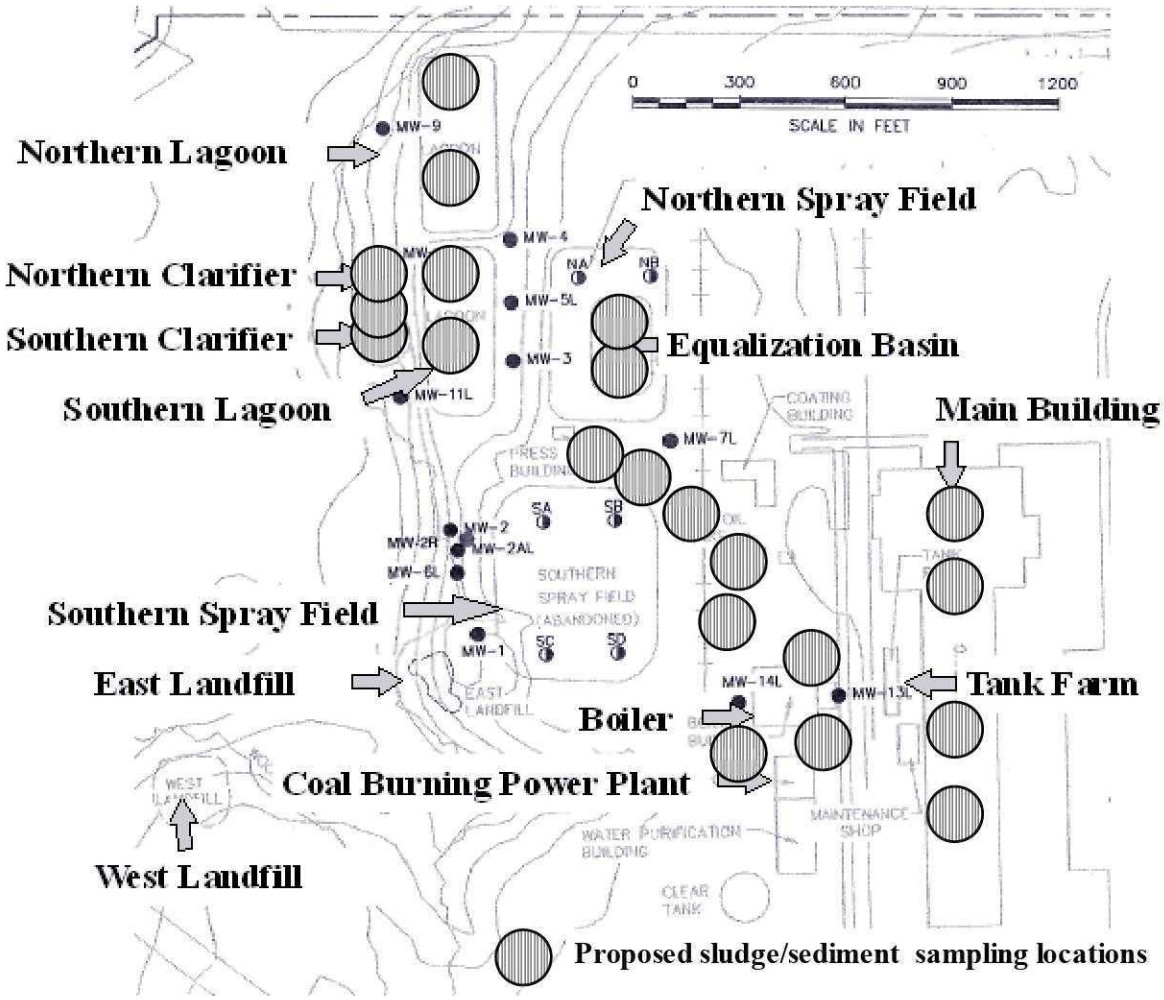
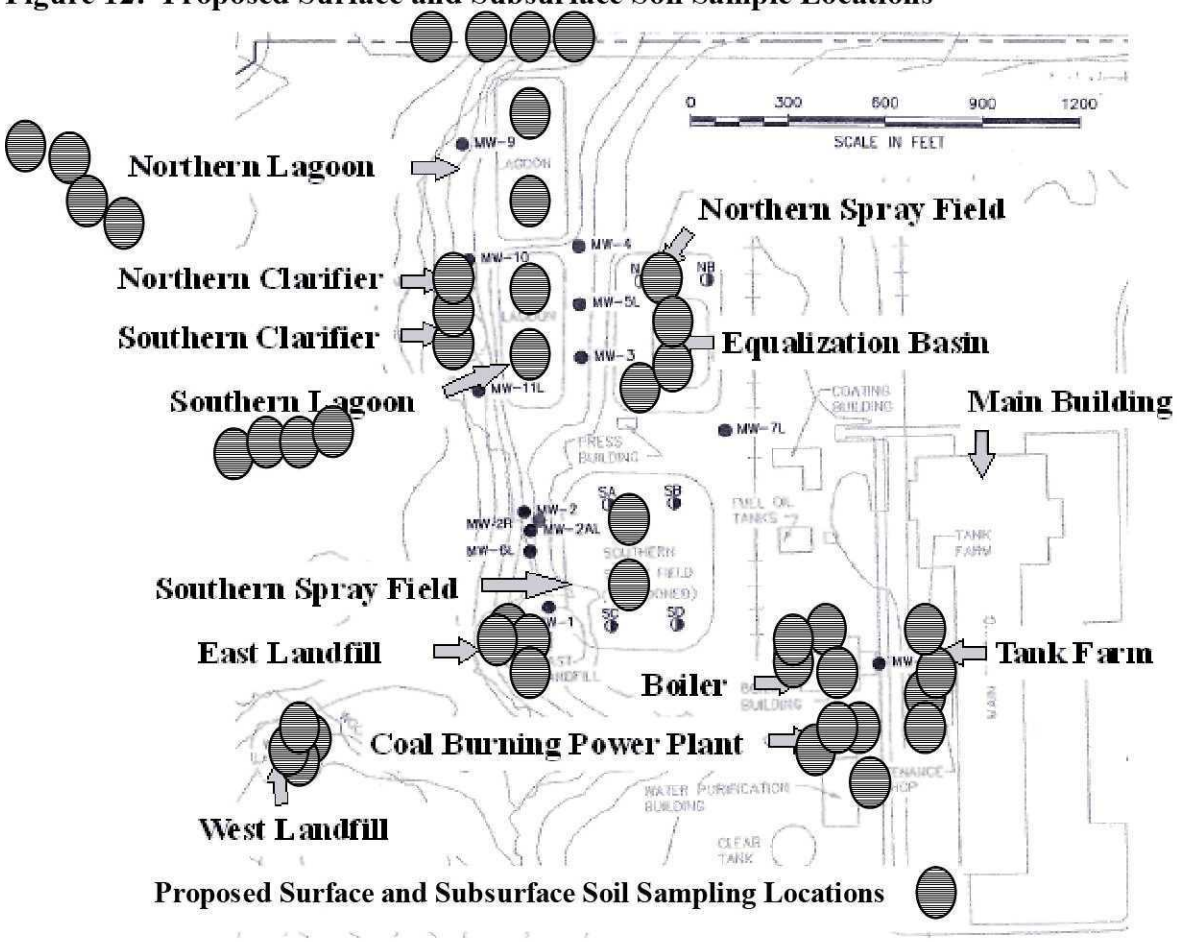


Figure 12: Proposed Surface and Subsurface Soil Sample Locations



field2	field3	Ti	Ti +/-	Cr	Cr +/-	Mn	Mn +/-	Fe
West Landfill	1	667.55	180.82	<LOD	84.99	<LOD	47.29	233.03
West Landfill	1a	1729.46	233.59	208.45	36.21	<LOD	52.89	1070.58
West Landfill	2	3575.67	279.06	<LOD	94.62	177.94	23.25	5245.88
West Landfill	2a	3734.96	273.59	<LOD	96.66	315.66	25.37	5829.87
West Landfill	Blue 1	1498.99	199.53	<LOD	85.93	<LOD	47.19	872.66
West Landfill	Blue 2	3905.79	248.24	147.92	30.84	66.6	16.6	1952.33
West Landfill	3	1276.12	208.75	<LOD	80.35	<LOD	49.68	3153.03
West Landfill	3a	3659.48	294.16	<LOD	104.54	154.64	23.33	7204.48
West Landfill	4a	4717.12	308.89	148.1	37.69	<LOD	62.53	7064.8
West Landfill	5a	3894.51	312.77	221.33	41.76	114.33	23.75	8515.14

Fe +/-	Ni	Ni +/-	Cu	Cu +/-	Mo	Mo +/-	Ag	Ag +/-
19.86	<LOD	15.9	<LOD	12.53	<LOD	6.95	<LOD	49.99
32.58	<LOD	18.24	14.82	4.54	<LOD	7.34	98.32	15.88
77.83	<LOD	17.16	<LOD	12.31	<LOD	7.7	<LOD	48.8
77.08	<LOD	19.88	<LOD	12.58	<LOD	7.08	<LOD	46.13
28.49	<LOD	16.3	<LOD	11.69	7.04	2.27	<LOD	44.48
38.97	31.62	6.11	14.22	4.02	<LOD	6.45	<LOD	41.74
57.59	<LOD	17.07	<LOD	11.47	<LOD	6.99	<LOD	48.4
91.95	23.83	7.47	<LOD	13.4	<LOD	7.69	56.71	16.43
90.42	40.65	7.82	<LOD	14.43	<LOD	7.5	92.68	16.49
103.39	29.93	8.05	<LOD	14.65	13.34	2.65	125.67	16.96

Hg	Hg +/-	Pb	Pb +/-	field4	field5	field8
<LOD	9.84	<LOD	7.03	33.24822	80.51313	Surface
13.26	4	<LOD	7.71	33.24822	80.51313	0-12
<LOD	8.89	<LOD	7.52	33.24825	80.51317	Surface
<LOD	10.64	<LOD	7.48	33.24825	80.51317	0-12
<LOD	10.02	<LOD	6.69			
<LOD	10.03	17.32	2.58			
<LOD	9.23	<LOD	7	33.24817	80.51312	Surface
<LOD	11.5	<LOD	7.99	33.24817	80.51312	0-12
<LOD	11.71	<LOD	8.12	33.24.795	80.51.304	0-12
14.99	4.47	12.84	3	33.24.782	80.51.310	0-12

	field2	field3	field4	field5	Cr	Mn
x	West Borrow Pit	6	33.24.846	80.51.141	<LOD	<LOD
x	West Borrow Pit	6a-2 ft below sf	33.24.846	80.51.141	<LOD	<LOD
x	West Borrow Pit	6b-1 ft below sf	33.24.846	80.51.141	<LOD	<LOD
x	West Borrow Pit	7 - Ooutfallbpipe	33.24.813	80.51.196	<LOD	<LOD
X	ND-1	3	6-10"		102.43	114.56
X	ND-1	1			5485.56	431.77
Xx	ND-1	2	18"		310.96	77.88
xx	ND-1	3	12-18"		<LOD	<LOD
xx	ND-1	2	6"		3596.61	265.04
xx	ND-1	1			3087.62	454.28
xx	EB	5	6"		<LOD	<LOD
xx	EB	2	6"		<LOD	<LOD
xx	EB	3			<LOD	219.73
xx	EB	1			<LOD	<LOD
xx	EB	4	Duplicate		<LOD	<LOD
xx	EB	4			119.34	<LOD
xx	EF	1	3 feet		<LOD	83.55
xx	EF	1	1 foot		<LOD	<LOD
xx	EF	1	5 feet		<LOD	<LOD
xx	EF	1	5-10 feet		<LOD	<LOD
xx	EF	1	10-15 feet		<LOD	<LOD
xx	EF	2	0-5 feet		<LOD	<LOD
xx	EF	2	5-10 feet		<LOD	<LOD
xx	SPF	1			523.31	<LOD
xx	SPF	2			299.42	<LOD
xx	SPF	3			151.66	<LOD
xx	GA	1			<LOD	<LOD
xx	Blue	9			<LOD	47.92
xx	Blue	8			107.95	73.82
xx	Blue	6			<LOD	<LOD
xx	Blue	7			<LOD	<LOD
xx	Blue	14A			<LOD	50.39
xx	Blue	14B			<LOD	<LOD
xx	Blue	15			<LOD	<LOD
xx	Blue	10			<LOD	42.57
xx	Blue	11			114.82	111.65
xx	Blue	13			125.4	<LOD
xx	Blue	12			<LOD	206.91
xx	DL	1	24"		<LOD	<LOD
xx	DL	1	1-4"		156.44	<LOD
xx	Full Lagoon	1			4648.75	<LOD
xx	Full Lagoon	1	duplicate		5536.09	<LOD
xx	Full Lagoon	2			89.97	<LOD
xx	NS	1			143.15	<LOD
xx	NS	2			<LOD	<LOD
xx	NS	3			<LOD	<LOD

xx	NS		4			<LOD	<LOD
xx	NS		5			<LOD	<LOD
xx	NSF		1	0-5 feet	interesting soil	<LOD	<LOD
xx	NSF		1	0-5 feet	full bag of soil	<LOD	<LOD
xx	TS		1			<LOD	<LOD
xx	TS		2			15599.59	1004.12
xx	TS		2	Duplicate		<LOD	<LOD
xx	River	J1				<LOD	<LOD

Ni	Cu	Zn	As	Br	Ag	Sb	Au
<LOD	<LOD	9.71	<LOD	<LOD	<LOD	<LOD	<LOD
<LOD	<LOD	<LOD	<LOD	0	<LOD	<LOD	<LOD
<LOD	<LOD	<LOD	17.12	<LOD	<LOD	<LOD	<LOD
19.95	<LOD	15.56	<LOD	<LOD	<LOD	<LOD	<LOD
26.68	<LOD	303	<LOD	0	<LOD	<LOD	<LOD
24.75	131	3113.83	<LOD	0.06	<LOD	<LOD	<LOD
48.99	29.14	456.76	<LOD	0.01	<LOD	<LOD	<LOD
<LOD	<LOD	44.81	<LOD	<LOD	<LOD	<LOD	<LOD
67.6	73.09	1583.03	<LOD	0.03	<LOD	<LOD	<LOD
<LOD	127.81	2936.31	<LOD	0.06	<LOD	<LOD	<LOD
51.44	39.42	122.06	<LOD	0.02	<LOD	<LOD	<LOD
<LOD	<LOD	12.55	<LOD	<LOD	<LOD	<LOD	<LOD
<LOD	15.18	277.4	<LOD	<LOD	<LOD	<LOD	<LOD
58.76	47.79	129.27	<LOD	0.01	<LOD	<LOD	<LOD
49.79	<LOD	21.43	6.2	<LOD	<LOD	<LOD	<LOD
37.84	<LOD	21.66	6.83	<LOD	<LOD	<LOD	<LOD
32.74	<LOD	48.4	7.25	<LOD	49.97	<LOD	<LOD
<LOD	19.74	46.72	6.78	<LOD	<LOD	<LOD	<LOD
<LOD	<LOD	28.62	<LOD	<LOD	<LOD	<LOD	<LOD
<LOD	<LOD	38.13	<LOD	<LOD	<LOD	<LOD	<LOD
<LOD	<LOD	12.66	<LOD	<LOD	<LOD	<LOD	<LOD
<LOD	<LOD	14.49	<LOD	<LOD	<LOD	<LOD	<LOD
<LOD	<LOD	12.79	<LOD	<LOD	<LOD	<LOD	<LOD
26.83	167.78	45.87	<LOD	0.04	<LOD	<LOD	<LOD
28.29	55.38	59.68	9.15	0.01	<LOD	<LOD	<LOD
25.95	86.08	60.22	<LOD	0.03	<LOD	<LOD	<LOD
<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD
<LOD	<LOD	7.48	<LOD	0.01	<LOD	<LOD	<LOD
30.66	<LOD	19.13	<LOD	0	<LOD	<LOD	<LOD
15.55	<LOD	13.66	<LOD	0	<LOD	<LOD	<LOD
<LOD	<LOD	16.48	<LOD	0	<LOD	<LOD	<LOD
19.75	<LOD	33.34	<LOD	0	<LOD	<LOD	<LOD
<LOD	<LOD	7.33	<LOD	0.01	<LOD	<LOD	<LOD
<LOD	<LOD	<LOD	<LOD	0	<LOD	67.02	<LOD
14.2	<LOD	21.24	<LOD	0	<LOD	<LOD	<LOD
37	<LOD	17.19	<LOD	<LOD	<LOD	<LOD	<LOD
28.11	13.42	14.8	<LOD	<LOD	53.74	<LOD	<LOD
<LOD	<LOD	69.89	<LOD	<LOD	<LOD	<LOD	<LOD
<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD
24.21	<LOD	11.48	<LOD	0	<LOD	<LOD	<LOD
<LOD	467.99	457.75	53.75	6.57	<LOD	<LOD	0.03
<LOD	546.5	372.48	80.33	9.02	<LOD	<LOD	0.05
<LOD	<LOD	71.89	<LOD	0.01	<LOD	<LOD	<LOD
28.69	87.82	39.18	9.02	0.04	<LOD	<LOD	<LOD
22.15	29.46	27.07	<LOD	0.01	<LOD	<LOD	<LOD
<LOD	27.96	42.51	<LOD	0.02	<LOD	<LOD	<LOD

<LOD	84.16	48.69	6.31	0.03	<LOD	<LOD	<LOD
<LOD	37.27	28.73	<LOD	0.01	<LOD	<LOD	<LOD
<LOD	96.53	21.08	<LOD	0.03	<LOD	<LOD	<LOD
77.88	16.07	36.58	<LOD	0	<LOD	<LOD	<LOD
<LOD	<LOD	13.3	<LOD	<LOD	<LOD	<LOD	<LOD
1244.13	41.14	54.41	<LOD	<LOD	<LOD	<LOD	<LOD
<LOD	<LOD	52.51	6.53	<LOD	<LOD	<LOD	<LOD
18.99	<LOD	12.79	<LOD	<LOD	<LOD	<LOD	<LOD

	field2	field3	field4	Cr	Fe	Ni	Cu	Zn
xx	River	J2		<LOD	3537.63	19.78	<LOD	37.75
xx	FL	6		135.05	11696.8	47.81	<LOD	23.1
xx	FL	7		159.28	6116.13	38.02	15.89	28.23
xx	FL	8		129.2	2922.53	<LOD	<LOD	41.1
xx	FL	9		575.69	6813.67	41.49	157.86	436.75
xx	FL	10		342.27	15348.21	105.4	1243.22	269.97
	Fl	12		<LOD	10793.37	77.04	1840.3	245.14
xx	FL	11		<LOD	1606.05	<LOD	<LOD	270.77
	NSF	001-SS		<LOD	10598.61	<LOD	<LOD	<LOD
xx	DL	2		<LOD	5860.65	<LOD	<LOD	18.21
xx	DL	3		63438.1	24750.53	138.11	372.3	7366.81
xx	DL	3	Duplicate	62995.23	26533.46	48.91	368.59	5267
xx	DL	4		780.46	8298.07	46.31	58.49	380.07
xx	DL	5		3325.83	10092.65	34.33	90.82	206.4
xx	DL	6		12751.98	20335.94	48.85	203.83	660.93
	Blue	3A		94.48	1287.94	26.21	<LOD	19.21
	Blue	4A		174.78	2772.62	27.98	<LOD	24.4
	Blue	5A		<LOD	3634.89	<LOD	12.95	21.89
	Blue	2A		<LOD	1358.45	<LOD	<LOD	16.38
	Blue	2B		<LOD	1796.74	<LOD	<LOD	11.65
	Blue	2C		107.77	2215.2	20.11	<LOD	10.13
	Blue	2D		<LOD	830.62	<LOD	<LOD	16.25
	Blue	2F		<LOD	403.34	<LOD	<LOD	<LOD
	Blue	2E		100.35	905.48	19.01	<LOD	8.48
	Blue	4A	Duplicate	92.89	2398.93	<LOD	<LOD	21.32
	Blue	3A	Duplicate	<LOD	1138.42	<LOD	<LOD	9.53
	Lower Field	1	0-5 feet	<LOD	1438.95	<LOD	<LOD	<LOD
	DP	2		<LOD	5160.53	52.76	<LOD	22.88
	DP	3		<LOD	1826.26	<LOD	<LOD	<LOD
	DP	2	Duplicate	109.26	3988.23	54.9	<LOD	26.13
	DSS	1:00 AM		<LOD	3610.31	<LOD	17.2	36.87
	DSS	01 B		<LOD	3783.92	26.93	<LOD	32.46
	DSS	2		<LOD	8970.28	24.47	<LOD	36.51
	DSS	3:00 AM		<LOD	7071.8	<LOD	<LOD	39.09
	DSS	03 B		<LOD	8577.44	<LOD	<LOD	25.91
	DSS	4		<LOD	4135.83	<LOD	<LOD	27.41
	DSS	5		341.35	11917.64	<LOD	109.91	256.97
	CL	1		<LOD	16547.29	<LOD	<LOD	504.33
	RP	4		<LOD	3553.85	<LOD	<LOD	44.87
	RP	1		<LOD	3658.89	<LOD	<LOD	24.84
	RP	3		<LOD	5160.25	16.2	<LOD	18
	RP	2		<LOD	8344.08	22.22	<LOD	31.86

As	Br	Cd	Sb	Hg
5.18	0	<LOD	<LOD	<LOD
6.37	<LOD	<LOD	<LOD	17.36
<LOD	<LOD	<LOD	<LOD	<LOD
<LOD	0.01	<LOD	<LOD	<LOD
<LOD	0.08	<LOD	<LOD	<LOD
10.85	0.28	<LOD	<LOD	<LOD
8.29	0.42	<LOD	84.07	<LOD
<LOD	0.01	<LOD	<LOD	<LOD
<LOD	<LOD	<LOD	<LOD	<LOD
<LOD	<LOD	<LOD	<LOD	<LOD
15.53	0.09	<LOD	157.9	<LOD
16.37	0.09	<LOD	166.34	<LOD
<LOD	0.06	<LOD	<LOD	<LOD
7.24	0.08	<LOD	<LOD	<LOD
19.23	0.28	<LOD	<LOD	<LOD
<LOD	<LOD	<LOD	<LOD	<LOD
<LOD	<LOD	<LOD	<LOD	11.96
<LOD	<LOD	<LOD	<LOD	<LOD
<LOD	0	<LOD	<LOD	<LOD
<LOD	<LOD	<LOD	<LOD	<LOD
<LOD	<LOD	<LOD	<LOD	<LOD
<LOD	<LOD	70.82	<LOD	<LOD
<LOD	<LOD	<LOD	<LOD	<LOD
<LOD	<LOD	<LOD	<LOD	10.33
<LOD	<LOD	<LOD	<LOD	<LOD
<LOD	<LOD	<LOD	<LOD	<LOD
<LOD	<LOD	<LOD	<LOD	<LOD
<LOD	<LOD	<LOD	<LOD	<LOD
<LOD	<LOD	<LOD	<LOD	<LOD
<LOD	<LOD	<LOD	<LOD	<LOD
<LOD	0	<LOD	<LOD	<LOD
<LOD	<LOD	<LOD	<LOD	<LOD
6.76	<LOD	<LOD	<LOD	<LOD
<LOD	<LOD	<LOD	<LOD	<LOD
<LOD	<LOD	<LOD	<LOD	<LOD
<LOD	<LOD	<LOD	<LOD	<LOD
<LOD	0.04	<LOD	<LOD	<LOD
<LOD	0	<LOD	<LOD	<LOD
<LOD	0.01	<LOD	<LOD	<LOD
<LOD	0	<LOD	<LOD	<LOD
<LOD	0	<LOD	<LOD	<LOD
<LOD	0	<LOD	<LOD	<LOD

Date	Reading	Mode	LiveTime	field1	field2	field3	field4	LE
6-Feb-13	1	Soil	70.24	Greenwoo	CL	gml xrf 04	trench hole	ND
6-Feb-13	2	Soil	70.38	Greenwoo	CL	gml xrf 04	trench hole	ND
6-Feb-13	3	Soil	69.62	Greenwoo	CL	gm5 xrf 05	hole near c	ND
6-Feb-13	4	Soil	73.83	Greenwoo	CL	nist 2709		ND
6-Feb-13	5	Soil	61.78	Greenwoo	CL	gml xrf	basement entr	ND
6-Feb-13	6	Soil	62.85	Greenwoo	CL	gmo xrf	cooling tro	ND
6-Feb-13	7	Soil	73.62	Greenwoo	CL	gmo xrf	basement	ND
6-Feb-13	8	Soil	60.37	Greenwoo	CL	gmo xrf	basement	ND
6-Feb-13	9	Soil	64.31	Greenwoo	CL	gmo xrf	shaker fee	ND
6-Feb-13	10	Soil	68.12	Greenwoo	CL	gml xrf	geoprobe c	ND
6-Feb-13	11	Soil	67.78	Greenwoo	CL	gml xrf	geoprobe c	ND
6-Feb-13	12	Soil	67.97	Greenwoo	CL	gml xrf	geoprobe c	ND
6-Feb-13	13	Soil	75.06	Greenwoo	CL	gml xrf	nist 2709	ND
6-Feb-13	14	Soil	58.85	Greenwoo	CL	gml xrf	filter 1a	ND
6-Feb-13	15	Soil	59.33	Greenwoo	CL	gml xrf	filter 1b	ND
6-Feb-13	16	Soil	60.01	Greenwoo	CL	gml xrf	filter 2	ND
6-Feb-13	17	Soil	55.3	Greenwoo	CL	gml xrf	northwest	ND
6-Feb-13	18	Soil	55.48	Greenwoo	CL	gml xrf	northwest	ND
6-Feb-13	19	Soil	74.16	Greenwoo	CL	gmo xrf 01	trench	ND
6-Feb-13	20	Soil	57.33	Greenwoo	CL	gmo xrf 01	trench	ND
6-Feb-13	21	Standardiz	58.22					
6-Feb-13	22	Soil	56.68	Greenwoo	CL	gml xrf	black mate	ND
6-Feb-13	23	Soil	67.62	Greenwoo	CL	gml xrf	gray dirt at	ND
6-Feb-13	24	Soil	65.41	Greenwoo	CL	gml xrf	dirt from r	ND
6-Feb-13	25	Soil	66.68	Greenwoo	CL	gml xrf	dirt from n	ND
6-Feb-13	26	Soil	69.59	Greenwoo	CL	gml xrf	TA 1 transf	ND
6-Feb-13	27	Soil	67.74	Greenwoo	CL	gml xrf	brown dirt	ND
6-Feb-13	28	Soil	74.44	Greenwoo	CL	gmo xrf 01	trench	ND
6-Feb-13	29	Soil	74.51	Greenwoo	Green colored concrete debris			ND
6-Feb-13	30	Soil	71.88	Greenwoo	Substation	Residue from pipe wal		ND
6-Feb-13	31	Soil	70.68	Greenwoo	Substation	Residue frc	duplicate	ND
6-Feb-13	32	Soil	74.67	Greenwoo	meteorite			ND
6-Feb-13	33	Soil	72.38	Greenwoo	Soil behind waste burner 1			ND
6-Feb-13	34	Soil	78.12	Greenwoo	Soil behind waste burner 2			ND
6-Feb-13	35	Soil	70.7	Greenwoo	Soil behind waste burner 3			ND
6-Feb-13	36	Soil	75.04	Greenwoo	Broken pipe underneath power lir			ND

LE +/-	LE	LE +/-	P	P +/-	S	S +/-	Cl	Cl +/-
	ND		NA		NA		<LOD	0
	ND		NA		NA		<LOD	0
	ND		NA		NA		<LOD	0
	ND		NA		NA		<LOD	0
	ND		NA		NA		<LOD	0
	ND		NA		NA		<LOD	0
	ND		NA		NA		<LOD	0.01
	ND		NA		NA		<LOD	0
	ND		NA		NA		<LOD	0
	ND		NA		NA		<LOD	0
	ND		NA		NA		<LOD	0
	ND		NA		NA		<LOD	0
	ND		NA		NA		<LOD	0
	ND		NA		NA		<LOD	0
	ND		NA		NA		<LOD	0
	ND		NA		NA		<LOD	0
	ND		NA		NA		<LOD	0
	ND		NA		NA		<LOD	0
	ND		NA		NA		<LOD	0.06
	ND		NA		NA		<LOD	0
	ND		NA		NA		<LOD	0
	ND		NA		NA		<LOD	0
	ND		NA		NA		<LOD	0
	ND		NA		NA		<LOD	0
	ND		NA		NA		<LOD	0
	ND		NA		NA		<LOD	0
	ND		NA		NA		<LOD	0.01
	ND		NA		NA		<LOD	0.01
	ND		NA		NA		<LOD	0.01
	ND		NA		NA		<LOD	0.02
	ND		NA		NA		<LOD	0.01
	ND		NA		NA		<LOD	0.01
	ND		NA		NA		<LOD	0
	ND		NA		NA		<LOD	0

K	K +/-	Ca	Ca +/-	Ti	Ti +/-	V	V +/-	Cr
NA		NA		2316.48	267.51	NA		<LOD
NA		NA		2210.71	278.77	NA		<LOD
NA		NA		4007.28	338.88	NA		149.5
NA		NA		3196.4	349.2	NA		<LOD
NA		NA		<LOD	348.98	NA		<LOD
NA		NA		<LOD	299.28	NA		<LOD
NA		NA		1674.95	345.14	NA		2328.9
NA		NA		<LOD	328.37	NA		<LOD
NA		NA		<LOD	411.43	NA		<LOD
NA		NA		4291.45	321.9	NA		<LOD
NA		NA		5648.19	357.36	NA		<LOD
NA		NA		4171.49	375.03	NA		<LOD
NA		NA		1950.79	369.92	NA		<LOD
NA		NA		1057.09	222.56	NA		<LOD
NA		NA		<LOD	623.35	NA		<LOD
NA		NA		794.02	219.5	NA		<LOD
NA		NA		<LOD	400.16	NA		<LOD
NA		NA		<LOD	377.41	NA		<LOD
NA		NA		3370.92	374.69	NA		204.19
NA		NA		<LOD	18365.91	NA		1795748
NA		NA		<LOD	534.5	NA		<LOD
NA		NA		2149.63	231.16	NA		<LOD
NA		NA		2339.94	211.24	NA		<LOD
NA		NA		2486.73	252.54	NA		106.72
NA		NA		4666.81	313.09	NA		<LOD
NA		NA		3066.56	263.74	NA		<LOD
NA		NA		3855.51	362.91	NA		<LOD
NA		NA		913.31	271.91	NA		906.4
NA		NA		2361.61	391.64	NA		<LOD
NA		NA		3074.55	465.25	NA		237.07
NA		NA		<LOD	4783.62	NA		5404.76
NA		NA		<LOD	3064.65	NA		1047.61
NA		NA		<LOD	2182.91	NA		<LOD
NA		NA		2053.69	260.9	NA		<LOD
NA		NA		3938.79	322.55	NA		<LOD

Cr +/-	Mn	Mn +/-	Fe	Fe +/-	Co	Co +/-	Ni	Ni +/-
104.33	<LOD	58.66	5674.17	79.72	<LOD	85.15	30.81	7.33
105.94	<LOD	63.53	7429.65	95.24	<LOD	97.67	44.62	8.12
42.99	<LOD	72.53	14873.83	151.86	<LOD	137.04	102.39	10.54
146.99	364.86	36.75	30487.87	276.49	<LOD	207.44	110.32	12.64
58.56	<LOD	34.36	3140.91	43.84	<LOD	50.62	<LOD	13.11
51.34	<LOD	26.02	<LOD	25.2	<LOD	17.2	<LOD	9.16
101.12	182.15	42.63	36033.18	339.94	<LOD	250.73	<LOD	40.85
59.28	<LOD	28.5	288.77	14.69	<LOD	24.78	33.27	4.68
70.77	<LOD	42.7	6794.25	72.43	<LOD	75	42.21	6.04
118.39	<LOD	64.95	16543.31	157.97	<LOD	134.98	89.59	9.66
123.62	<LOD	66.83	17765.77	165.13	<LOD	140.94	102.7	10.17
133.22	<LOD	80.27	33001.18	275.36	<LOD	197.23	144.59	12.43
151.05	358.6	38.3	31952.21	297.29	<LOD	213.57	156.28	13.73
100.14	2915.87	54.65	28361.52	192.62	<LOD	138.95	171.09	9.39
94.03	4376.49	66.3	26977.65	185.09	<LOD	134.5	150.89	8.9
104.56	4305.63	66.61	25485.23	179.6	<LOD	133.99	117.41	8.5
66.55	<LOD	39.98	6136.82	61.93	<LOD	65.06	59.85	6.05
69.46	65.42	14.41	6329.62	63.28	<LOD	65.01	73.36	6.31
53.54	359.07	37.91	31577.16	289.61	<LOD	210.2	159.81	13.71
46751.74	94977.67	3294.95	2259701	58366.79	<LOD	5661.78	133627	3559.24
91.85	107.02	20.39	20346.37	147.55	<LOD	131.49	46.19	8.32
93.35	74.8	18.76	5146.77	70.24	<LOD	78.45	<LOD	18.65
80.17	<LOD	47.58	4617.04	61.71	<LOD	69.23	20.39	5.96
34.23	<LOD	55.98	6714.59	82.26	<LOD	89.14	<LOD	20.62
114.77	71.15	22.42	11257.83	121.89	<LOD	122.35	<LOD	23.31
99	113.44	20.89	5976.16	78.89	<LOD	86.48	<LOD	20.62
147.95	381.6	37.54	32089.08	288.9	<LOD	220.95	51.36	12.11
64.18	114.55	27.77	4131.06	76.54	<LOD	90.88	<LOD	25.48
188.62	726.02	53.04	69356.66	579.68	<LOD	336.68	<LOD	44.15
72.82	863.51	58.85	83902.35	694.19	<LOD	375.92	<LOD	49.98
373.52	20310.12	492.46	559979	8288.92	<LOD	1733.92	<LOD	169.58
144.86	<LOD	190.22	80639.98	729.19	<LOD	404.5	4323.96	69.96
306.16	384.74	54.71	22720.8	271.58	<LOD	226.92	3296.3	61.41
96.14	<LOD	55.1	6840.69	88.28	<LOD	92.02	51.31	8.03
115.65	<LOD	64.88	14461.37	159.28	<LOD	146.52	<LOD	23.75

Cu	Cu +/-	Zn	Zn +/-	As	As +/-	Se	Se +/-	Br
<LOD	14.06	34.23	3.91	<LOD	5.82	<LOD	4.05	<LOD
<LOD	13.83	28.35	3.82	<LOD	5.78	<LOD	4.16	<LOD
27.98	5.7	73.07	5.16	8.26	2.11	<LOD	5.07	<LOD
<LOD	17.46	86.75	5.85	14.87	2.51	<LOD	4.35	0
<LOD	8.5	9.39	2.16	<LOD	3.15	<LOD	2.63	0.02
<LOD	7.15	<LOD	5.33	<LOD	3.06	<LOD	2.46	0
35.28	7.44	2856.04	36.72	11.06	3.46	<LOD	5	0.01
<LOD	8.63	9.88	2.1	<LOD	3.27	<LOD	2.63	0.01
<LOD	9.76	<LOD	6.45	<LOD	3.88	<LOD	2.94	0.01
18.42	5.15	20.08	3.59	<LOD	6.03	<LOD	4.27	<LOD
<LOD	14.52	24.58	3.71	<LOD	6.19	<LOD	4.17	<LOD
<LOD	15.52	26.3	4.01	12.11	2.17	<LOD	4.56	<LOD
<LOD	18.73	86.29	6.07	19.62	2.48	<LOD	4.98	0
68.82	5.33	63.28	3.86	<LOD	4.19	<LOD	3.4	0.13
72.04	5.34	60.17	3.78	<LOD	4.05	<LOD	3.38	0.14
319.89	9.06	104.54	4.82	<LOD	4.35	<LOD	3.55	0.11
223.75	6.97	1453.68	15.09	<LOD	5.17	<LOD	2.61	0.03
209.52	6.82	1461.97	15.18	<LOD	5.11	<LOD	2.62	0.03
<LOD	17.87	83.69	5.9	15.42	2.5	<LOD	4.98	<LOD
4084.82	255.42	<LOD	178.53	<LOD	61.19	<LOD	45.55	0.14
52.65	5.21	5158.21	37.41	<LOD	4.2	<LOD	3.13	0
<LOD	12.07	29.74	3.5	<LOD	4.95	<LOD	3.8	<LOD
<LOD	11.41	100.73	4.77	<LOD	4.9	<LOD	3.52	0
22.1	4.71	362.03	9.02	<LOD	5.72	<LOD	4.34	<LOD
24.28	5.18	296.55	8.8	<LOD	5.66	<LOD	4.12	<LOD
20.86	4.76	92.07	5.14	<LOD	7.93	<LOD	3.96	<LOD
25.38	6.16	92.71	6.03	16.26	2.52	<LOD	4.94	<LOD
<LOD	17.26	53.59	5.17	<LOD	7.06	<LOD	5.46	0.05
66.99	8.03	245.71	9.56	<LOD	6.52	<LOD	5.14	<LOD
89.96	8.92	268.4	10.13	<LOD	7.54	<LOD	5.63	<LOD
<LOD	64.85	381.14	24.07	<LOD	21.49	<LOD	11.63	<LOD
151.42	16.59	212.06	10.55	<LOD	13.41	<LOD	6.68	<LOD
73.05	14.52	117.31	8.59	<LOD	9.2	<LOD	5.92	<LOD
<LOD	13.15	45.05	4.18	<LOD	6.39	<LOD	3.83	<LOD
<LOD	14.08	33.13	4.29	6.83	2.02	<LOD	3.84	0

Br +/-	Rb	Rb +/-	Sr	Sr +/-	Zr	Zr +/-	Nb	Nb +/-
0	7.58	1.04	10.88	1.26	241.66	3.47	NA	
0	8.9	1.09	10.85	1.28	280.36	3.8	NA	
0	10	1.17	33.14	1.66	235.18	3.56	NA	
0	82.22	2.42	201.19	3.7	110.8	2.99	NA	
0	<LOD	2.2	4.33	0.83	15.6	1.3	NA	
0	6.75	0.75	16.2	0.98	42.37	1.47	NA	
0	14.24	1.51	179.61	3.76	307.79	4.8	NA	
0	2.31	0.67	6.81	0.84	18.72	1.29	NA	
0	2.68	0.78	10.44	0.99	19.24	1.42	NA	
0	12.48	1.17	13.79	1.31	305.18	3.9	NA	
0	9.12	1.09	13.55	1.31	355.95	4.22	NA	
0	10.4	1.19	16.04	1.41	329.86	4.23	NA	
0	75.22	2.41	183.24	3.65	105.31	3.03	NA	
0	15.49	1.38	89.27	1.85	42.98	1.68	NA	
0	11.28	1.34	72.06	1.69	37.99	1.62	NA	
0	12.46	1.3	88.16	1.86	43.36	1.69	NA	
0	3.17	0.79	52.37	1.36	24.77	1.37	NA	
0	3.5	0.8	51.98	1.36	25.66	1.38	NA	
0	82.76	2.46	189.2	3.65	121.9	3.12	NA	
0.01	<LOD	26.42	<LOD	24.13	<LOD	27.83	NA	
0	2.38	0.75	13.52	1.02	34.39	1.52	NA	
0	6.9	0.96	12.15	1.19	331.26	3.81	NA	
0	12.9	1.01	11.21	1.09	273.7	3.21	NA	
0	8.83	1.01	13.57	1.21	240.3	3.23	NA	
0	13.85	1.18	13.59	1.31	379.34	4.41	NA	
0	8.88	1.05	27.7	1.46	335.51	3.96	NA	
0	77.49	2.37	206.68	3.77	117.34	3.06	NA	
0	29.97	1.9	154.93	3.37	133.45	3.24	NA	
0	<LOD	3.46	38.17	1.96	71.86	2.65	NA	
0	5.51	1.26	49.28	2.17	66.55	2.66	NA	
0.01	<LOD	8.92	134.72	6.27	118.59	6.44	NA	
0	18.3	1.81	184.6	4.15	279.82	5	NA	
0	10.62	1.59	202.13	4.56	54.4	3.16	NA	
0	6.51	1.01	11.7	1.26	346.33	4.15	NA	
0	8.93	1.19	19.5	1.54	292.83	4.23	NA	

Mo	Mo +/-	Ag	Ag +/-	Cd	Cd +/-	Sn	Sn +/-	Sb
12.17	2.5	63.11	16.43	<LOD	62.17	<LOD	94.9	<LOD
12.64	2.57	75.91	16.77	<LOD	63.91	<LOD	97.66	<LOD
10.5	2.57	112.71	17.24	<LOD	65.87	<LOD	101.28	<LOD
20.42	2.73	<LOD	52.39	<LOD	64.72	<LOD	93.53	<LOD
31.36	1.86	<LOD	34.7	<LOD	43.46	<LOD	60.89	102.71
51.1	1.94	<LOD	32.36	<LOD	39.9	<LOD	53.74	<LOD
21.4	3.12	<LOD	57.55	<LOD	71.07	<LOD	105.04	<LOD
31.04	1.81	<LOD	33.49	<LOD	41.88	<LOD	58.54	<LOD
29.02	1.98	<LOD	37.7	<LOD	47.13	<LOD	67.07	<LOD
9.32	2.52	<LOD	49.09	<LOD	63.34	104.57	32.19	<LOD
13.57	2.57	<LOD	48.84	<LOD	62.29	<LOD	95.2	<LOD
<LOD	7.89	<LOD	51.44	<LOD	65.97	<LOD	101.02	<LOD
20.4	2.82	<LOD	53.68	<LOD	66.28	<LOD	94.85	<LOD
26.23	1.98	<LOD	36.74	<LOD	46.54	<LOD	66.18	<LOD
27.21	1.97	<LOD	36.43	<LOD	46.33	<LOD	65.57	<LOD
28.72	2.01	<LOD	37.06	<LOD	47.32	<LOD	66.77	<LOD
23.42	1.77	<LOD	33.48	<LOD	42.64	<LOD	60.3	<LOD
25.26	1.78	<LOD	33.51	<LOD	42.66	<LOD	60.74	<LOD
18.99	2.78	<LOD	53.65	<LOD	66.16	<LOD	96.32	<LOD
18673.99	487.48	<LOD	259.69	<LOD	251.93	884.06	144.67	<LOD
12.21	1.87	<LOD	36.57	<LOD	46.3	<LOD	66.7	<LOD
9.99	2.37	<LOD	44.69	<LOD	57.18	<LOD	86.09	<LOD
15.38	2.2	<LOD	41.06	<LOD	51.89	<LOD	77.49	<LOD
12.91	2.33	<LOD	45.58	<LOD	57.87	<LOD	88.77	<LOD
15.21	2.61	<LOD	48.79	<LOD	61.42	<LOD	92.91	<LOD
17.14	2.48	<LOD	46.9	<LOD	59.78	<LOD	91.01	<LOD
20.85	2.75	<LOD	52.38	<LOD	63.84	<LOD	91.86	<LOD
19.2	2.85	177.39	19.47	<LOD	73.95	<LOD	114.41	<LOD
16.6	2.84	<LOD	58.15	<LOD	72.28	<LOD	110	<LOD
12.75	2.85	<LOD	59.66	<LOD	74.26	<LOD	114.05	<LOD
30.61	6.13	<LOD	122.06	<LOD	133.76	<LOD	209.72	<LOD
19.93	3.43	<LOD	65.94	<LOD	78.83	<LOD	121.58	<LOD
16.88	3.35	<LOD	68.09	<LOD	82.72	<LOD	126.62	<LOD
13.96	2.56	<LOD	47.49	<LOD	59.93	<LOD	90.34	<LOD
15.73	2.83	<LOD	52.19	<LOD	64.88	<LOD	97.65	<LOD

Sb +/-	I	I +/-	Ba	Ba +/-	Hf	Hf +/-	Ta	Ta +/-
108.01	NA		ND		NA		NA	
111.36	NA		ND		NA		NA	
116.39	NA		ND		NA		NA	
105.38	NA		ND		NA		NA	
22.61	NA		ND		NA		NA	
59.17	NA		ND		NA		NA	
118.08	NA		ND		NA		NA	
64.61	NA		ND		NA		NA	
75.23	NA		ND		NA		NA	
110.24	NA		ND		NA		NA	
107.9	NA		ND		NA		NA	
114.42	NA		ND		NA		NA	
106.72	NA		ND		NA		NA	
74.41	NA		ND		NA		NA	
73.49	NA		ND		NA		NA	
75.01	NA		ND		NA		NA	
67.45	NA		ND		NA		NA	
67.42	NA		ND		NA		NA	
108.06	NA		ND		NA		NA	
450.15	NA		ND		NA		NA	
75.24	NA		ND		NA		NA	
98.02	NA		ND		NA		NA	
87.64	NA		ND		NA		NA	
101.31	NA		ND		NA		NA	
106.14	NA		ND		NA		NA	
104.06	NA		ND		NA		NA	
102.66	NA		ND		NA		NA	
131.31	NA		ND		NA		NA	
125.4	NA		ND		NA		NA	
129.31	NA		ND		NA		NA	
228.08	NA		ND		NA		NA	
136.52	NA		ND		NA		NA	
143.95	NA		ND		NA		NA	
103.18	NA		ND		NA		NA	
109.58	NA		ND		NA		NA	

W	W +/-	Re	Re +/-	Au	Au +/-	Hg	Hg +/-	Pb
NA		NA		<LOD	0	<LOD	10.72	15.33
NA		NA		<LOD	0	<LOD	11.61	12.9
NA		NA		<LOD	0	<LOD	12.68	9.85
NA		NA		<LOD	0	<LOD	12.55	18.06
NA		NA		<LOD	0	<LOD	7.15	<LOD
NA		NA		<LOD	0	<LOD	6.2	<LOD
NA		NA		<LOD	0	<LOD	16.75	66.21
NA		NA		<LOD	0	<LOD	6.81	<LOD
NA		NA		<LOD	0	<LOD	7.12	8.27
NA		NA		<LOD	0	<LOD	11.65	15.15
NA		NA		<LOD	0	12.86	4.2	17.74
NA		NA		<LOD	0	<LOD	12.45	<LOD
NA		NA		<LOD	0	<LOD	13.24	<LOD
NA		NA		<LOD	0	<LOD	8.47	7.21
NA		NA		<LOD	0	<LOD	8.33	<LOD
NA		NA		<LOD	0	<LOD	8.1	7.8
NA		NA		<LOD	0	<LOD	9.13	39.08
NA		NA		<LOD	0	17.79	3.32	36.75
NA		NA		<LOD	0	<LOD	13.7	13.21
NA		NA		0.02	0.01	<LOD	139.23	191.22
NA		NA		<LOD	0	<LOD	12.06	10.26
NA		NA		<LOD	0	<LOD	10.24	<LOD
NA		NA		<LOD	0	<LOD	9.01	17.21
NA		NA		<LOD	0	<LOD	11.33	20.39
NA		NA		<LOD	0	<LOD	12.28	9.68
NA		NA		<LOD	0	<LOD	10.74	67.82
NA		NA		<LOD	0	<LOD	12.93	13.9
NA		NA		<LOD	0	<LOD	14.7	18.04
NA		NA		<LOD	0	<LOD	13.91	<LOD
NA		NA		<LOD	0	<LOD	16.16	14.31
NA		NA		<LOD	0	<LOD	37.09	67.65
NA		NA		<LOD	0	<LOD	16.88	105.41
NA		NA		<LOD	0	<LOD	15.88	26.72
NA		NA		<LOD	0	<LOD	10.39	28.2
NA		NA		<LOD	0	<LOD	9.17	<LOD

Pb +/-	Bi	Bi +/-	field5	field6	field7	field8	Pass/Fail	Pass Fail St
2.91	0	0		Field sample				
2.92	0	0		Field sample				
2.98	0	0		Field sample				
3.37	0	0		Field sample				
5.2	<LOD	0		Field sample				
5.38	0	0		Field sample				
4.93	<LOD	0		Field sample				
5.23	0	0		Field sample				
2.09	0	0		Field sample				
2.95	0	0	1 of 3 bd-s	Field sample				
3.04	0.01	0	bd-ss-01	Field sample				
8.8	0	0	bd-ss-01 3	Field sample				
9.38	0	0		Field sample				
2.24	<LOD	0		Field sample				
6.5	<LOD	0		Field sample				
2.27	<LOD	0		Field sample				
2.52	<LOD	0		Field sample				
2.49	0	0		Field sample				
3.34	<LOD	0		Field sample				
34.86	0.02	0.01		Field sample				
							0.0156	PASS
2.14	<LOD	0		Field sample				
7.4	0	0		Field sample				
2.53	0	0		Field sample				
2.85	<LOD	0		Field sample				
2.78	0	0		Field sample				
3.94	0	0		Field sample				
3.33	0.01	0		Field sample				
3.59	<LOD	0		Field sample				
9.6	<LOD	0		Field sample				
3.65	<LOD	0		Field sample				
11.17	<LOD	0.01		Field sample				
6.47	<LOD	0		Field sample				
4.53	<LOD	0		Field sample				
3.19	0	0		Field sample				
8.66	0	0		Field sample				

Time	Match1	MN1
0:05:55		
0:10:16		
0:17:33		
0:23:56		
0:28:07		
0:31:45		
0:35:30		
0:40:59		
0:43:35		
0:46:55		
0:52:28		
0:54:30		
0:57:10		
1:04:46		
1:07:28		
1:10:23		
1:12:44		
1:14:32		
1:19:43		
3:29:00		
3:36:48	0.0195	202
3:38:25		
3:42:53		
3:47:02		
3:50:41		
3:53:16		
3:56:58		
4:01:15		
4:05:10		
4:08:39		
4:11:09		
4:14:01		
4:16:51		
4:19:09		
4:21:29		
4:24:42		

Building	Reading	Mode	LiveTime	field1	field2	field3	field4	LE
5-Feb-13	1	Standardiza	55.95					
5-Feb-13	2	Soil	73.44	Greenwoo	CL	nist 2709	6-Feb	ND
5-Feb-13	3	Soil	69.8	Greenwoo	CL	nist 2710	6-Feb	ND
5-Feb-13	4	Soil	71.41	Greenwoo	CL	nist 2711	6-Feb	ND
5-Feb-13	5	Soil	73.22	Greenwoo	CL	nist SiO2	6-Feb	ND
5-Feb-13	6	Soil	69.37	Greenwoo	CL	gml xrf 01	trench	ND
5-Feb-13	7	Soil	69.13	Greenwoo	CL	gml xrf 02	trench side	ND
5-Feb-13	8	Soil	74.8	Greenwoo	CL	gml xrf 03	trench pin	ND

LE +/-	LE	LE +/-	P	P +/-	S	S +/-	Cl	Cl +/-
	ND		NA		NA		<LOD	0
	ND		NA		NA		<LOD	0
	ND		NA		NA		<LOD	0
	ND		NA		NA		<LOD	0
	ND		NA		NA		<LOD	0
	ND		NA		NA		<LOD	0
	ND		NA		NA		<LOD	0

K	K +/-	Ca	Ca +/-	Ti	Ti +/-	V	V +/-	Cr
NA		NA		2674.65	343.06	NA		<LOD
NA		NA		3991.41	335.8	NA		<LOD
NA		NA		2932.24	329.54	NA		<LOD
NA		NA		<LOD	430.91	NA		<LOD
NA		NA		3693.28	268.74	NA		<LOD
NA		NA		3704.34	302.77	NA		123.88
NA		NA		1356.09	283.16	NA		<LOD

Cr +/-	Mn	Mn +/-	Fe	Fe +/-	Co	Co +/-	Ni	Ni +/-
148.05	472.98	38.48	31279.19	276.67	<LOD	215.21	61.58	12.15
124.21	6133.42	102.19	22177.42	206.97	<LOD	170.08	<LOD	29.94
140.21	449.16	37.26	24045.32	225.89	<LOD	188.24	<LOD	30.65
70.22	<LOD	37.05	<LOD	38.98	<LOD	26	<LOD	14.64
91.04	<LOD	53.37	4077.98	64.83	<LOD	72.54	<LOD	18.53
37.66	79.25	21.47	6343.18	85.45	<LOD	91.23	40.38	7.94
108.91	<LOD	68.58	11317.42	137.55	<LOD	130.67	<LOD	24.57

Cu	Cu +/-	Zn	Zn +/-	As	As +/-	Se	Se +/-	Br
<LOD	16.86	94.04	5.9	14.58	2.45	<LOD	4.67	<LOD
1584.78	25.62	3936.37	40.42	578.25	16.3	<LOD	8.2	<LOD
104.19	7.98	300.74	9.72	103.67	10.29	<LOD	6.89	<LOD
<LOD	10.39	<LOD	7.23	<LOD	3.92	<LOD	3.14	<LOD
<LOD	13.41	26.17	3.61	<LOD	5.11	<LOD	3.81	<LOD
<LOD	14.06	45.15	4.28	<LOD	5.35	<LOD	4.46	<LOD
<LOD	14.88	29.94	4.26	<LOD	6.05	<LOD	4.25	<LOD

Br +/-	Rb	Rb +/-	Sr	Sr +/-	Zr	Zr +/-	Nb	Nb +/-
0	77.75	2.31	206.33	3.68	112.73	2.95	NA	
0.01	54.21	2.04	124.12	2.82	39.34	2.24	NA	
0	99.94	2.66	232.98	3.95	234.4	3.89	NA	
0	<LOD	2.46	<LOD	3.11	7.19	1.58	NA	
0	10.2	1.07	8.16	1.19	351.71	4.14	NA	
0	12.6	1.16	12.8	1.31	357.17	4.28	NA	
0	66.63	2.22	90.95	2.59	123.82	3.03	NA	

Mo	Mo +/-	Ag	Ag +/-	Cd	Cd +/-	Sn	Sn +/-	Sb
14.46	2.63	<LOD	51.2	<LOD	62.01	<LOD	90.19	<LOD
10.58	2.47	<LOD	46.49	<LOD	56.44	<LOD	80.06	<LOD
<LOD	8.03	<LOD	52.43	<LOD	64.49	<LOD	95.78	121.93
12.58	2.25	<LOD	45.71	<LOD	56.57	<LOD	83.41	<LOD
15.76	2.54	<LOD	47.89	<LOD	61.01	<LOD	92.14	<LOD
14.17	2.6	104.36	16.65	<LOD	63.63	<LOD	97.75	<LOD
18.16	2.77	<LOD	55.1	<LOD	68.6	<LOD	105.02	<LOD

Sb +/-	I	I +/-	Ba	Ba +/-	Hf	Hf +/-	Ta	Ta +/-
100.84	NA		ND		NA		NA	
90.16	NA		ND		NA		NA	
36.08	NA		ND		NA		NA	
94.65	NA		ND		NA		NA	
104.71	NA		ND		NA		NA	
111.1	NA		ND		NA		NA	
118.42	NA		ND		NA		NA	

W	W +/-	Re	Re +/-	Au	Au +/-	Hg	Hg +/-	Pb
NA		NA		<LOD	0	<LOD	12.71	18.56
NA		NA		<LOD	0	66.8	7.73	2391.28
NA		NA		<LOD	0	<LOD	15.34	1063.86
NA		NA		<LOD	0	<LOD	8.45	<LOD
NA		NA		<LOD	0	<LOD	11.11	11.62
NA		NA		<LOD	0	<LOD	12.37	<LOD
NA		NA		<LOD	0	<LOD	11.7	12.82

Pb +/-	Bi	Bi +/-	field5	field6	field7	field8	Pass/Fail	Pass Fail St
							0.0182	PASS
3.32		0	0	2013	Field sample			
25.7	<LOD		0	2013	Field sample			
16.01	<LOD		0	2013	Field sample			
6.85	<LOD		0	2013	Field sample			
2.73		0	0	Field sample				
7.88		0	0	Field sample				
3.2	<LOD		0	Field sample				

Time	Match1	MN1
21:51:39	0.0195	204
21:53:36		
21:57:29		
22:00:38		
22:03:38		
23:42:49		
23:50:32		
23:55:27		

SECTION A: Project Planning Elements		
A1. Title (*Project Name*):	Greenwood Mills – Liner Plant	
Project Location:	Orangeburg County, SC	
Originating Organization:	SCDHEC Federal & State Site Assessment Section	
SCDHEC Section Manager	Jonathan McInnis, Section Manager	
Section Manager's Signature		Date: January 22, 2013
Project Manager's Name, Position, and Organization:	Jason C Williams, Environmental Health Manager – SCDHEC	
Project Manager's Signature:		Date: January 22, 2013
EPA Project Manager's Name and Position:	Nancy McKee, Site Assessment Manager- U.S. EPA	
EPA Project Manager's Signature:		Date:

A2. Table of Contents	**A1. Title (*Project Name*): 1** **A2. Table of Contents 2** **A3. Distribution List 2** **A4. Project Personnel 3** **A5. Background: 4** **A6. Project Description: 4** **A7. Quality Objectives and Criteria 5** **A8. Special Training/Certifications 5** **A9. Documents and Records 5** *SECTION B: Data Generation and Acquisition 6* **B1. Sampling Design** Error! Bookmark not defined. **B2. Sampling Methods, General Procedures 9** **B3. Sampling Handling and Custody 9** **B4. Analytical Methods 9** **B5. Quality Control 9** **B6. Instrument/Equipment Testing, Inspection and Maintenance 9** **B7. Instrument/Equipment Calibration and Frequency 9** **B8. Inspection/Acceptance for Supplies and Consumables 10** **B9. Non-direct Measurements 10** **B10. Data Management 10** **C1. Assessments and Response Actions 11** **C2. Reports to Management 11** **D1. Data Review, Verification, and Validation 11** **D2. Verification and Validation Methods 11** **D3. Reconciliation with User Requirements 11**
A3. Distribution List	Sampling Team, Waste Assessment

A4. Project Personnel	Organization	Responsibilities
Jason Williams	SCDHEC	Project Manager – Site Safety
Tim Kadar	SCDHEC	Sampling /XRF
Jonathan Mcinnis	SCDHEC	Sampling
Karen Seaber	SCDHEC	Sampling
Ben Bair	SCDHEC	GeoProbe
Chris Ramaglia	SCDHEC	GeoProbe
Dana Cook	SCDHEC	Sampling
Sandra Snyder	SCDHEC	Sampling
Judy Canova	SCDHEC	Sampling
Comments:		
Organization Chart: Refer to SCDHEC Site Assessment Program Level QAPP		

A5. Background:	The facility was built and operated by Monsanto in the early 1960s. Greenwood Mills acquired the plant in 1968 and continued operations until 1988. The facility operated as a start to finish textile manufacturing plant including dyeing and finishing. Greenwood Mills Liner Plant operated under a NPDES permit. The NPDES permit is no longer active. SCDHEC Bureau of Water (BOW) required groundwater monitoring adjacent to wastewater treatment units. They submitted a 103C notification for two potential CERCLA landfills on their property. A preliminary assessment in 1989 gave the site a medium priority for a site inspection. A site inspection may have been performed by NUS in 1991, and in 1993 a letter from SCDHEC assigned a NFA to the site for Federal Superfund and referred the site back to BOW. In 2002, SCDHEC requested some surface water and sediment sampling at the site that was performed by Site Screening. PCE was detected in the Edisto at 7 ppb. Lead, mercury, and zinc were detected in sediment samples above background concentrations. The site was referred back to BOW. The landfills, wastewater treatment units, sprayfields, and former outfall are on a tract of land currently owned a hunt club. The club has been constructing a series of interconnected ponds in the former lagoons and landfill areas. No purchase agreements or contracts were signed between SCDHEC and any of the current owners.
A6. Project Description:	Under the authority of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) and the Superfund Amendments and Reauthorization Act of 1986 (SARA), the site Assessment Section, South Carolina Department of Health & Environmental Control will conduct a PreCERCLIS Site Screening at the above listed site. For this study, environmental sampling will concentrate on the Soil Migration, Surface Water and Groundwater Pathways. Soil, groundwater, and surface water / sediment samples from the site were initially screened on January 28-30 to evaluate the potential release of metals and volatile organic compounds (VOCs) into all pathways and their impact(s) to the said Pathway as related to the CERCLIS HRS scoring system. Soil and sediment were screened for metals using XRF technology. VOCs in the Surface water pathway were evaluated using a Henry Sampler. Groundwater was collected by GeoProbe Direct Push Technology (DPT) and screened for VOCs using the ColorTech system. Samples to be collected for lab analysis will concentrate on areas that showed elevated concentrations of chromium (greater than 100 ppm) and VOCs during the initial screening.

Decision(s) to be made based on data:	The information gathered from this investigation will be used to decide if the site will be placed on CERCLIS or managed by some other program area.
Applicable regulatory information, actions levels, etc.	Refer to SCDHEC Site Assessment Program Level QAPP
Field Study Date:	March 18, 2013
Projected Lab Completion Date:	April 18, 2013
Final Report Completion Date:	May, 2013

A7. Quality Objectives and Criteria

All soil/sediment samples collected in this study will be analyzed for the following:

VOA
SVOA
Metals (including Hg & CN)
Pesticides/Herbicides and PCBs

All water samples collected in this study will be analyzed for the following:

VOA
SVOA
Metals (including Hg & CN)

All media samples will be analyzed at low concentrations.
MS/MSD samples will be collected based on the number of samples, one for each media. A water and soil temp blank will be prepared for each day in the field for the respective media and one preservative blank will also be collected.
Refer to SCDHEC Site Assessment Program Level QAPP.

A8. Special Training/Certifications

Refer to SCDHEC Site Assessment Program Level QAPP

A9. Documents and Records

Refer to SCDHEC Site Assessment Program Level QAPP.

All field observations, measurements and sampling activities supporting the field investigation will be recorded and documented according to the SESD *Operating Procedure for Logbooks*, SESDPROC-010-R3 and the SCDHEC SOP&QA Manual.

SECTION B: Data Generation and Acquisition			
Sample Number	**Sample Media**	**Analyses**	**Location/Rationale**
GML-001-SW/SD	Surface Water Sediment	**Water** VOA (Low water) SVOA (Low water) ICP-AES Metals Mercury **Soil/Sediment** VOA (Low soil) SVOA (Low soil) Aroclors ICP-AES Metals Mercury Cyanide	Location: Taken from North Fork of Edisto River, upstream from the site. "Blue 10" screening location. 33.419203° -80.858578° Rationale: To be used as a control location.
GML-002-SW/SD	Surface Water Sediment	**Water** VOA (Low water) SVOA (Low water) ICP-AES Metals Mercury **Soil/Sediment** VOA (Low soil) SVOA (Low soil) Aroclors ICP-AES Metals Mercury Cyanide	Location: North Fork of Edisto River. "Blue 4" screening location 33.417662° -80.858877° Rationale: To determine if there is or has been a release of constituents from the site that may impact the surface water pathway
GML-003-SW/SD	Surface Water Sediment	**Water** VOA (Low water) SVOA (Low water) ICP-AES Metals Mercury **Soil/Sediment** VOA (Low soil) SVOA (Low soil) Aroclors ICP-AES Metals Mercury Cyanide	Location: North Fork of Edisto River. "Blue 2C" screening location 33.414789° -80.859126° Rationale: To determine if there is or has been a release of constituents from the site that may impact the surface water pathway
GML-004-SW/SD	Surface Water Sediment	**Water** VOA (Low water) SVOA (Low water) ICP-AES Metals Mercury **Soil/Sediment** VOA (Low soil) SVOA (Low soil) Aroclors ICP-AES Metals Mercury Cyanide	Location: North Fork of Edisto River. "Blue 2E" screening location 33.413662° -80.859391° Rationale: To determine if there is or has been a release of constituents from the site that may impact the surface water pathway
GML-005-SW/SD	Surface Water Sediment	**Water** VOA (Low water) SVOA (Low water) ICP-AES Metals Mercury **Soil/Sediment** VOA (Low soil) SVOA (Low soil) Aroclors ICP-AES Metals Mercury Cyanide	Location: Wetlands below clarifiers. " Blue 8" screening location 33.416129° -80.855877° Rationale: To determine if there is or has been a release of constituents from the site that may impact the surface water pathway

GML-006-SW/SD	Surface Water Sediment	**Water** VOA (Low water) SVOA (Low water) ICP-AES Metals Mercury **Soil/Sediment** VOA (Low soil) SVOA (Low soil) Aroclors ICP-AES Metals /Mercury Cyanide	Location: Area around eroded discharge pipe. "DP 2" screening location 33.415686° -80.855032° Rationale: To determine if there is or has been a release of constituents from the site that may impact the surface water pathway
GML-007-SW/SD (Water MSD)	Surface Water Sediment	**Water** VOA (Low water) SVOA (Low water) ICP-AES Metals Mercury **Soil/Sediment** VOA (Low soil) SVOA (Low soil) Aroclors ICP-AES Metals/ Mercury Cyanide	Location: Pond Below East Landfill. "Blue 3" screening location 33.415196° -80.854878° Rationale: To determine if there is or has been a release of constituents from the site that may impact the surface water pathway
GML-008-SF	Surface Soil	VOA (Low soil) SVOA (Low soil) Aroclors ICP-AES Metals /Mercury Cyanide	Location: Offsite soil sample. Location to be determined in the field. Rationale: Control Soil Sample
GML-009-SF	Surface Soil	VOA (Low soil) SVOA (Low soil) Aroclors ICP-AES Metals /Mercury Cyanide	Location: WWTP Discharge discovered during screening phase. "ND-1" screening location. 33.418393° -80.856250° Rationale: To determine if there is or has been a release of constituents from the site that may impact the soil exposure pathway
GML-010-SF	Surface Soil	VOA (Low soil) SVOA (Low soil) Aroclors ICP-AES Metals /Mercury Cyanide	Location: Northern WWTP lagoon. "FL-1" screening location. 33.417621° -80.854958° Rationale: Source Characterization
GML-011-SF	Surface Soil	VOA (Low soil) SVOA (Low soil) Aroclors ICP-AES Metals Mercury Cyanide	Location: Southern WWTP lagoon. "DL-3" screening location. 33.417173° -80.855118° Rationale: Source Characterization
GML-012-SF	Surface Soil	VOA (Low soil) SVOA (Low soil) Aroclors ICP-AES Metals/ Mercury Cyanide	Location: Southern WWTP lagoon. "DL-4" screening location. 33.416844° -80.855054° Rationale: Source Characterization
GML-013-SF	Surface Soil	VOA (Low soil) SVOA (Low soil) Aroclors ICP-AES Metals/ Mercury Cyanide	Location: Southern Sprayfield. "SS-01" screening location. 33.415667° -80.853300° Rationale: Source Characterization

GML-014-SF	Surface Soil	VOA (Low soil) SVOA (Low soil) Aroclors ICP-AES Metals/ Mercury Cyanide	Location: Southern Sprayfield. "SS-02" screening location. 33.415383° -80.853650° Rationale: Source Characterization
GML-015-SF (Soil MSD)	Surface Soil	VOA (Low soil) SVOA (Low soil) Aroclors ICP-AES Metals /Mercury Cyanide	Location: Former tank saddle area. "TS-02" screening location 33.414922° -80.851855° Rationale: To determine if there is or has been a release of constituents from the site that may impact the soil exposure pathway
GML-016-SF	Surface Soil	VOA (Low soil) SVOA (Low soil) Aroclors ICP-AES Metals/ Mercury Cyanide	Location: Area behind former waste incinerator 33.414503° -80.851023° Rationale: To determine if there is or has been a release of constituents from the site that may impact the soil exposure pathway
GML-017-SF	Surface Soil	VOA (Low soil) SVOA (Low soil) Aroclors ICP-AES Metals/ Mercury Cyanide	Location: Soil near maintenance facility. "Hole in driveway" screening location. 33.414965° -80.850611° Rationale: To determine if there is or has been a release of constituents from the site that may impact the soil exposure pathway
GML-018-GW	Groundwater	VOA (Low water) SVOA (Low water) ICP-AES Metals Mercury Cyanide	Location: "BD-GW-006" screening location 33.414507° -80.850145° Rationale: To determine if there is or has been a release of constituents from the site that may impact the groundwater pathway
GML-019-GW	Groundwater	VOA (Low water) SVOA (Low water) ICP-AES Metals Mercury Cyanide	Location: At former tank saddles near GML-015-SF 33.414805° -80.851889° Rationale: To determine if there is or has been a release of constituents from the site that may impact the groundwater pathway
GML-020-GW	Groundwater	VOA (Low water) SVOA (Low water) ICP-AES Metals Mercury Cyanide	Location: Monitoring well to be placed between clarifier and discharge pipe 33.416293° -80.855893° Rationale: To determine if there is or has been a release of constituents from the site that may impact the groundwater pathway
GML-021-GW	Groundwater	VOA (Low water) SVOA (Low water) ICP-AES Metals Mercury Cyanide	Location: Monitoring well to be placed at lower end of field below the WWTP . 33.418086° -80.857421° Rationale: To determine if there is or has been a release of constituents from the site that may impact the groundwater pathway

GML-022-TB	Water & Soil	VOA	One blank sample for each media will be prepared by Dana Cook of the SCDHEC Waste Assessment Section for each day in the field prior to arriving at the site. Blank for QA/QC.
GML-023-PB	Water	Metals (Hg & CN)	Preservative Blank
GML-024-CM	Water	Metals	Metal Blank
Volume, Holding Time, and Preservation Requirements. See SCDHEC Site Assessment Program Level QAPP			

Maps or Diagrams with sample locations: Final sample locations to be determined in the field. General site map attached.

B2. Sampling Methods, General Procedures

Refer to SCDHEC Site Assessment Program Level QAPP.

B3. Sampling Handling and Custody

All samples will be handled and custody maintained in accordance with the SESD *Operating Procedure for Sample Evidence Management*, SESDPROC-005-R1 and the SCDHEC SOP&QA Manual.

Refer to SCDHEC Site Assessment Program Level QAPP.

B4. Analytical Methods

SESD:	Suggested references are found at http://epa.gov/region4/sesd/asbsop/asb-loqam.pdf
CLP:	Suggested references are found at www.epa.gov/superfund/programs/clp.
Other:	

B5. Quality Control

Field:	Refer to SCDHEC Site Assessment Program Level QAPP.
Laboratory:	Refer to SCDHEC Site Assessment Program Level QAPP and selected CLP QA/QC.

B6. Instrument/Equipment Testing, Inspection and Maintenance

Refer to SCDHEC Site Assessment Program Level QAPP.

B7. Instrument/Equipment Calibration and Frequency

Refer to SCDHEC Site Assessment Program Level QAPP.

B8. Inspection/Acceptance for Supplies and Consumables

Refer to SCDHEC Site Assessment Program Level QAPP.

B9. Non-direct Measurements

Refer to SCDHEC Site Assessment Program Level QAPP.

B10. Data Management

The project manager will be responsible for ensuring that all requirements for data management are met. All data generated for this field investigation, whether hand-recorded or obtained using an electronic data logger will be recorded, stored and managed according to the following procedures:

SESD Operating Procedure for Control of Records, SESDPROC-002-R3. *SESD Operating Procedures for Logbooks,* SESDPROC-010-R3.

Refer to SCDHEC Site Assessment Program Level QAPP.

SECTION C: Assessment/Oversight

C1. Assessments and Response Actions

Assessments will be conducted during the field investigation according to the *SESD Operating Procedure for Project Planning*, SESDPROC-016-R1 to ensure the QAPP is being implemented as approved. The Project Manager is responsible for all corrective actions while in the field.

Refer to SCDHEC Site Assessment Program Level QAPP.

C2. Reports to Management

The SCDHEC Project Manager (PM), Jason Williams will be responsible for notifying the EPA Project Manager, Nancy McKee if any circumstances arise during the field investigation that may adversely impact the quality of the data collected. SCDHEC PM will prepare said report and send to EPA PM for review.

SECTION D: Data Validation and Usability

D1. Data Review, Verification, and Validation

Refer to SCDHEC Site Assessment Program Level QAPP.

D2. Verification and Validation Methods

Refer to SCDHEC Site Assessment Program Level QAPP.

D3. Reconciliation with User Requirements

Refer to SCDHEC Site Assessment Program Level QAPP.

****Footnotes**: This Quality Assurance Project Plan (QAPP) has been prepared and approved according to the EPA *Requirements for Quality Assurance Project Plans (EPA QA/R5 EPA/240/B-01/003)*, U.S. Environmental Protection Agency, Office of Environmental Information, Washington, DC, March 2001(USEPA, 2001). This document will be used to ensure that the environmental data collected for this project are of the type and quality for the intended purposes.

Figure 1. Site Location

Figure 2. Suspected Source Areas

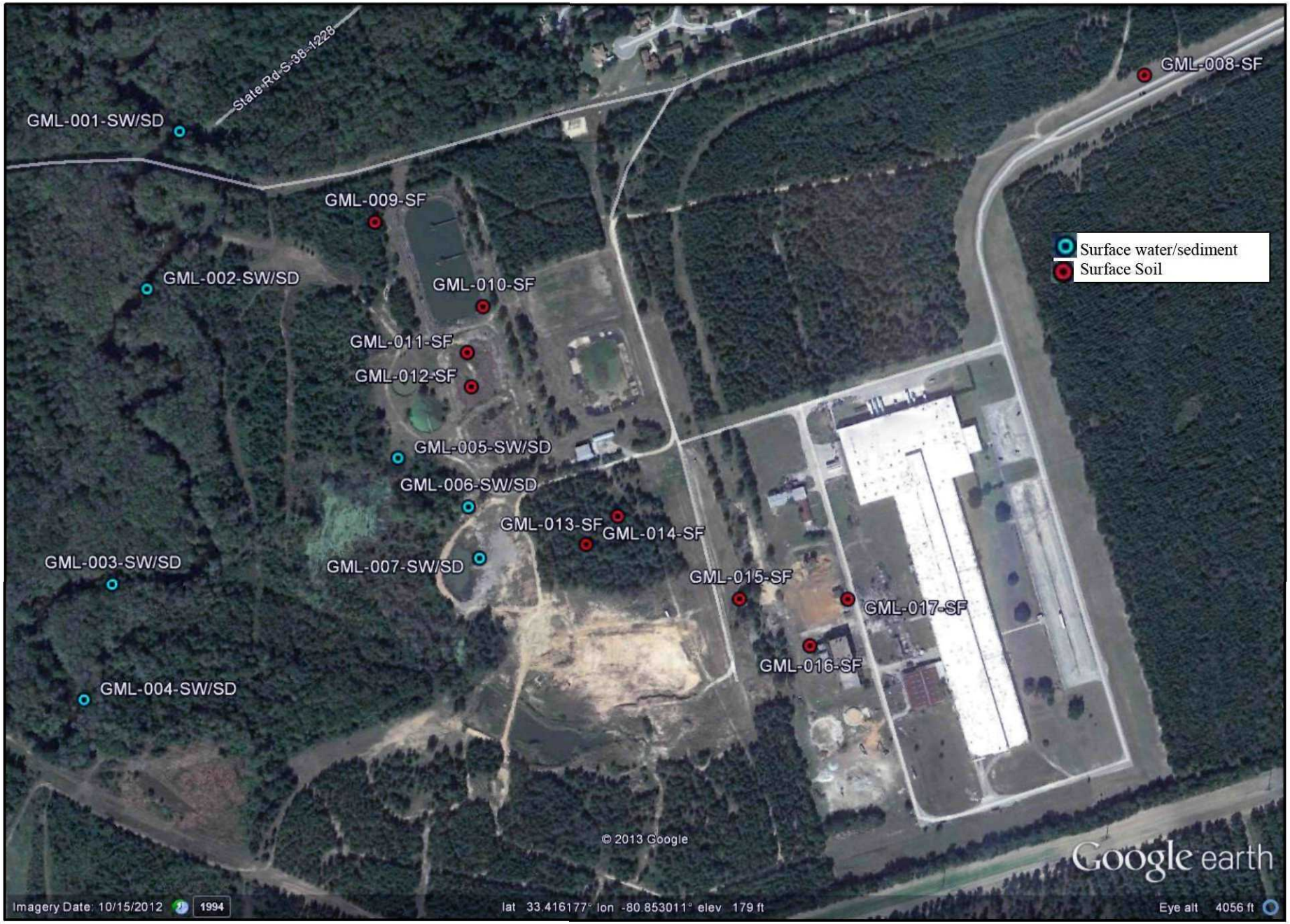


Figure 3. Surface water, sediment, and surface soil sampling locations

Figure 4. Groundwater sampling locations

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Jason Collum

May 15, 2013

4SESD-ASB

MEMORANDUM

SUBJECT: FINAL Analytical Report
Project: 13-0295, Greenwood Mills Liner Plt
Superfund Remedial

FROM: Jason Collum
OCS Chemist

THRU: Sallie Hale, Chief
ASB Organic Chemistry Section

TO: Nancy McKee

Attached are the final results for the analytical groups listed below. These analyses were performed in accordance with the Analytical Support Branch's (ASB) Laboratory Operations and Quality Assurance Manual (ASB LOQAM) found at www.epa.gov/region4/sesd/asbsop. Any unique project data quality objectives specified in writing by the data requestor have also been incorporated into the data unless otherwise noted in the Report Narrative. Chemistry data have been verified based on the ASB LOQAM specifications and have been qualified by this laboratory if the applicable quality control criteria were not met. Verification is defined in Section 5.2 of the ASB LOQAM. For a listing of specific data qualifiers and explanations, please refer to the Data Qualifier Definitions included in this report. The reported results are accurate within the limits of the method(s) and are representative only of the samples as received by the laboratory.

Analyses Included in this report:	Method Used:	Accreditations:
PCB Aroclors (PCBA)		
PCB aroclors	EPA 8082 (Soil)	ISO

Sample Disposal Policy

Because of the laboratory's limited space for long term sample storage, our policy is to dispose of samples on a periodic schedule. Please note that within 60 days of this memo, the original samples and all sample extracts and/or sample digestates will be disposed of in accordance with applicable regulations. The 60-day sample disposal policy does not apply to criminal samples which are held until the laboratory is notified by the criminal investigators that case development and litigation are complete.

These samples may be held in the laboratory's custody for a longer period of time if you have a special project need. If you wish for the laboratory to hold samples beyond the 60-day period, please contact our Sample Control Coordinator by e-mail at R4SampleCustody@epa.gov, and provide a reason for holding samples beyond 60 days

cc: Nardina Turner

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SAMPLES INCLUDED IN THIS REPORT

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID	Laboratory ID	Matrix	Date Collected	Date Received
GML-001-SD	E131406-02	Sediment	4/3/13 14:05	4/4/13 10:02
GML-002-SD	E131406-04	Sediment	4/3/13 14:20	4/4/13 10:02
GML-003-SD	E131406-06	Sediment	4/3/13 11:25	4/4/13 10:02
GML-004-SD	E131406-08	Sediment	4/3/13 11:45	4/4/13 10:02
GML-005-SD	E131406-10	Sediment	4/3/13 13:31	4/4/13 10:02
GML-006-SD	E131406-12	Sediment	4/3/13 11:10	4/4/13 10:02
GML-007-SD	E131406-14	Sediment	4/3/13 11:26	4/4/13 10:02
GML-008-SF	E131406-16	Surface Soil	4/3/13 12:30	4/4/13 10:02
GML-009-SF	E131406-17	Surface Soil	4/3/13 11:34	4/4/13 10:02
GML-010-SF	E131406-18	Surface Soil	4/3/13 11:45	4/4/13 10:02
GML-011-SF	E131406-19	Surface Soil	4/3/13 12:08	4/4/13 10:02
GML-012-SF	E131406-20	Surface Soil	4/3/13 12:15	4/4/13 10:02
GML-013-SF	E131406-21	Surface Soil	4/3/13 09:55	4/4/13 10:02
GML-014-SF	E131406-22	Surface Soil	4/3/13 10:10	4/4/13 10:02
GML-015-SF	E131406-23	Surface Soil	4/3/13 10:25	4/4/13 10:02
GML-016-SF	E131406-24	Surface Soil	4/3/13 12:42	4/4/13 10:02
GML-017-SF	E131406-25	Surface Soil	4/3/13 12:56	4/4/13 10:02

DATA QUALIFIER DEFINITIONS

U	The analyte was not detected at or above the reporting limit.
CR	MRL raised due to the presence of Ar1260.
CRa	MRL raised due to the presence of Ar1262.

ACRONYMS AND ABBREVIATIONS

CAS Chemical Abstracts Service

Note: Analytes with no known CAS identifiers have been assigned codes beginning with "E", the EPA ID as assigned by the EPA Substance Registry System (www.epa.gov/srs), or beginning with "R4-", a unique identifier assigned by the EPA Region 4 laboratory.

ISO The test, if analyzed after June 26, 2012, is accredited under the EPA Region 4 ASB's ISO/IEC 17025 accreditation issued by ANSI-ASQ National Accreditation Board/ACLASS. Refer to certificate and scope of accreditation AT-1691.

MDL Method Detection Limit - The minimum concentration of a substance (an analyte) that can be measured and reported with a 99% confidence that the analyte concentration is greater than zero.

MRL Minimum Reporting Limit - Analyte concentration that corresponds to the lowest demonstrated level of acceptable quantitation. The MRL is sample-specific and accounts for preparation weights and volumes, dilutions, and moisture content of soil/sediments.

TIC Tentatively Identified Compound - An analyte identified based on a match with the instrument software's mass spectral library. A calibration standard has not been analyzed to confirm the compound's identification or the estimated concentration reported.

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PCB Aroclors

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-001-SD
Station ID: GML001

Lab ID: E131406-02
Matrix: Sediment

Date Collected: 4/3/13 14:05

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
12674-11-2	PCB-1016 (Aroclor 1016)	13	U	ug/kg dry	13	4/09/13 9:57	5/02/13 18:36	EPA 8082
11104-28-2	PCB-1221 (Aroclor 1221)	27	U	ug/kg dry	27	4/09/13 9:57	5/02/13 18:36	EPA 8082
11141-16-5	PCB-1232 (Aroclor 1232)	13	U	ug/kg dry	13	4/09/13 9:57	5/02/13 18:36	EPA 8082
53469-21-9	PCB-1242 (Aroclor 1242)	13	U	ug/kg dry	13	4/09/13 9:57	5/02/13 18:36	EPA 8082
12672-29-6	PCB-1248 (Aroclor 1248)	13	U	ug/kg dry	13	4/09/13 9:57	5/02/13 18:36	EPA 8082
11097-69-1	PCB-1254 (Aroclor 1254)	13	U	ug/kg dry	13	4/09/13 9:57	5/02/13 18:36	EPA 8082
11096-82-5	PCB-1260 (Aroclor 1260)	13	U	ug/kg dry	13	4/09/13 9:57	5/02/13 18:36	EPA 8082
37324-23-5	PCB-1262 (Aroclor 1262)	13	U	ug/kg dry	13	4/09/13 9:57	5/02/13 18:36	EPA 8082
11100-14-4	PCB-1268 (Aroclor 1268)	13	U	ug/kg dry	13	4/09/13 9:57	5/02/13 18:36	EPA 8082

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PCB Aroclors

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-002-SD
Station ID: GML002
Lab ID: E131406-04
Matrix: Sediment

Date Collected: 4/3/13 14:20

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
12674-11-2	PCB-1016 (Aroclor 1016)	18	U	ug/kg dry	18	4/09/13 9:57	5/02/13 19:01	EPA 8082
11104-28-2	PCB-1221 (Aroclor 1221)	36	U	ug/kg dry	36	4/09/13 9:57	5/02/13 19:01	EPA 8082
11141-16-5	PCB-1232 (Aroclor 1232)	18	U	ug/kg dry	18	4/09/13 9:57	5/02/13 19:01	EPA 8082
53469-21-9	PCB-1242 (Aroclor 1242)	18	U	ug/kg dry	18	4/09/13 9:57	5/02/13 19:01	EPA 8082
12672-29-6	PCB-1248 (Aroclor 1248)	18	U	ug/kg dry	18	4/09/13 9:57	5/02/13 19:01	EPA 8082
11097-69-1	PCB-1254 (Aroclor 1254)	18	U	ug/kg dry	18	4/09/13 9:57	5/02/13 19:01	EPA 8082
11096-82-5	PCB-1260 (Aroclor 1260)	18	U	ug/kg dry	18	4/09/13 9:57	5/02/13 19:01	EPA 8082
37324-23-5	PCB-1262 (Aroclor 1262)	18	U	ug/kg dry	18	4/09/13 9:57	5/02/13 19:01	EPA 8082
11100-14-4	PCB-1268 (Aroclor 1268)	18	U	ug/kg dry	18	4/09/13 9:57	5/02/13 19:01	EPA 8082

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PCB Aroclors

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-003-SD
Station ID: GML003
Lab ID: E131406-06
Matrix: Sediment

Date Collected: 4/3/13 11:25

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
12674-11-2	PCB-1016 (Aroclor 1016)	25	U	ug/kg dry	25	4/09/13 9:57	5/14/13 11:00	EPA 8082
11104-28-2	PCB-1221 (Aroclor 1221)	51	U	ug/kg dry	51	4/09/13 9:57	5/14/13 11:00	EPA 8082
11141-16-5	PCB-1232 (Aroclor 1232)	25	U	ug/kg dry	25	4/09/13 9:57	5/14/13 11:00	EPA 8082
53469-21-9	PCB-1242 (Aroclor 1242)	25	U	ug/kg dry	25	4/09/13 9:57	5/14/13 11:00	EPA 8082
12672-29-6	PCB-1248 (Aroclor 1248)	25	U	ug/kg dry	25	4/09/13 9:57	5/14/13 11:00	EPA 8082
11097-69-1	PCB-1254 (Aroclor 1254)	68	U, CR	ug/kg dry	68	4/09/13 9:57	5/14/13 11:00	EPA 8082
11096-82-5	PCB-1260 (Aroclor 1260)	67		ug/kg dry	25	4/09/13 9:57	5/14/13 11:00	EPA 8082
37324-23-5	PCB-1262 (Aroclor 1262)	68	U, CR	ug/kg dry	68	4/09/13 9:57	5/14/13 11:00	EPA 8082
11100-14-4	PCB-1268 (Aroclor 1268)	25	U	ug/kg dry	25	4/09/13 9:57	5/14/13 11:00	EPA 8082

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PCB Aroclors

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-004-SD
Station ID: GML004
Lab ID: E131406-08
Matrix: Sediment

Date Collected: 4/3/13 11:45

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
12674-11-2	PCB-1016 (Aroclor 1016)	21	U	ug/kg dry	21	4/09/13 9:57	5/02/13 19:51	EPA 8082
11104-28-2	PCB-1221 (Aroclor 1221)	41	U	ug/kg dry	41	4/09/13 9:57	5/02/13 19:51	EPA 8082
11141-16-5	PCB-1232 (Aroclor 1232)	21	U	ug/kg dry	21	4/09/13 9:57	5/02/13 19:51	EPA 8082
53469-21-9	PCB-1242 (Aroclor 1242)	21	U	ug/kg dry	21	4/09/13 9:57	5/02/13 19:51	EPA 8082
12672-29-6	PCB-1248 (Aroclor 1248)	21	U	ug/kg dry	21	4/09/13 9:57	5/02/13 19:51	EPA 8082
11097-69-1	PCB-1254 (Aroclor 1254)	21	U	ug/kg dry	21	4/09/13 9:57	5/02/13 19:51	EPA 8082
11096-82-5	PCB-1260 (Aroclor 1260)	21	U	ug/kg dry	21	4/09/13 9:57	5/02/13 19:51	EPA 8082
37324-23-5	PCB-1262 (Aroclor 1262)	21	U	ug/kg dry	21	4/09/13 9:57	5/02/13 19:51	EPA 8082
11100-14-4	PCB-1268 (Aroclor 1268)	21	U	ug/kg dry	21	4/09/13 9:57	5/02/13 19:51	EPA 8082

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PCB Aroclors

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-005-SD
Station ID: GML005
Lab ID: E131406-10
Matrix: Sediment

Date Collected: 4/3/13 13:31

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
12674-11-2	PCB-1016 (Aroclor 1016)	13	U	ug/kg dry	13	4/09/13 9:57	5/02/13 20:15	EPA 8082
11104-28-2	PCB-1221 (Aroclor 1221)	25	U	ug/kg dry	25	4/09/13 9:57	5/02/13 20:15	EPA 8082
11141-16-5	PCB-1232 (Aroclor 1232)	13	U	ug/kg dry	13	4/09/13 9:57	5/02/13 20:15	EPA 8082
53469-21-9	PCB-1242 (Aroclor 1242)	13	U	ug/kg dry	13	4/09/13 9:57	5/02/13 20:15	EPA 8082
12672-29-6	PCB-1248 (Aroclor 1248)	13	U	ug/kg dry	13	4/09/13 9:57	5/02/13 20:15	EPA 8082
11097-69-1	PCB-1254 (Aroclor 1254)	13	U	ug/kg dry	13	4/09/13 9:57	5/02/13 20:15	EPA 8082
11096-82-5	PCB-1260 (Aroclor 1260)	13	U	ug/kg dry	13	4/09/13 9:57	5/02/13 20:15	EPA 8082
37324-23-5	PCB-1262 (Aroclor 1262)	13	U	ug/kg dry	13	4/09/13 9:57	5/02/13 20:15	EPA 8082
11100-14-4	PCB-1268 (Aroclor 1268)	13	U	ug/kg dry	13	4/09/13 9:57	5/02/13 20:15	EPA 8082

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PCB Aroclors

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-006-SD
Station ID: GML006
Lab ID: E131406-12
Matrix: Sediment

Date Collected: 4/3/13 11:10

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
12674-11-2	PCB-1016 (Aroclor 1016)	14	U	ug/kg dry	14	4/09/13 9:57	5/02/13 20:40	EPA 8082
11104-28-2	PCB-1221 (Aroclor 1221)	28	U	ug/kg dry	28	4/09/13 9:57	5/02/13 20:40	EPA 8082
11141-16-5	PCB-1232 (Aroclor 1232)	14	U	ug/kg dry	14	4/09/13 9:57	5/02/13 20:40	EPA 8082
53469-21-9	PCB-1242 (Aroclor 1242)	14	U	ug/kg dry	14	4/09/13 9:57	5/02/13 20:40	EPA 8082
12672-29-6	PCB-1248 (Aroclor 1248)	14	U	ug/kg dry	14	4/09/13 9:57	5/02/13 20:40	EPA 8082
11097-69-1	PCB-1254 (Aroclor 1254)	53	U, CRa	ug/kg dry	53	4/09/13 9:57	5/02/13 20:40	EPA 8082
11096-82-5	PCB-1260 (Aroclor 1260)	53	U, CRa	ug/kg dry	53	4/09/13 9:57	5/02/13 20:40	EPA 8082
37324-23-5	PCB-1262 (Aroclor 1262)	52		ug/kg dry	14	4/09/13 9:57	5/02/13 20:40	EPA 8082
11100-14-4	PCB-1268 (Aroclor 1268)	14	U	ug/kg dry	14	4/09/13 9:57	5/02/13 20:40	EPA 8082

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PCB Aroclors

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-007-SD
Station ID: GML007
Lab ID: E131406-14
Matrix: Sediment

Date Collected: 4/3/13 11:26

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
12674-11-2	PCB-1016 (Aroclor 1016)	13	U	ug/kg dry	13	4/09/13 9:57	5/02/13 21:05	EPA 8082
11104-28-2	PCB-1221 (Aroclor 1221)	25	U	ug/kg dry	25	4/09/13 9:57	5/02/13 21:05	EPA 8082
11141-16-5	PCB-1232 (Aroclor 1232)	13	U	ug/kg dry	13	4/09/13 9:57	5/02/13 21:05	EPA 8082
53469-21-9	PCB-1242 (Aroclor 1242)	13	U	ug/kg dry	13	4/09/13 9:57	5/02/13 21:05	EPA 8082
12672-29-6	PCB-1248 (Aroclor 1248)	13	U	ug/kg dry	13	4/09/13 9:57	5/02/13 21:05	EPA 8082
11097-69-1	PCB-1254 (Aroclor 1254)	140	U, CRa	ug/kg dry	140	4/09/13 9:57	5/02/13 21:05	EPA 8082
11096-82-5	PCB-1260 (Aroclor 1260)	140	U, CRa	ug/kg dry	140	4/09/13 9:57	5/02/13 21:05	EPA 8082
37324-23-5	PCB-1262 (Aroclor 1262)	130		ug/kg dry	13	4/09/13 9:57	5/02/13 21:05	EPA 8082
11100-14-4	PCB-1268 (Aroclor 1268)	13	U	ug/kg dry	13	4/09/13 9:57	5/02/13 21:05	EPA 8082

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PCB Aroclors

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-008-SF
Station ID: GML008
Lab ID: E131406-16
Matrix: Surface Soil

Date Collected: 4/3/13 12:30

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
12674-11-2	PCB-1016 (Aroclor 1016)	11	U	ug/kg dry	11	4/09/13 9:57	5/02/13 21:30	EPA 8082
11104-28-2	PCB-1221 (Aroclor 1221)	23	U	ug/kg dry	23	4/09/13 9:57	5/02/13 21:30	EPA 8082
11141-16-5	PCB-1232 (Aroclor 1232)	11	U	ug/kg dry	11	4/09/13 9:57	5/02/13 21:30	EPA 8082
53469-21-9	PCB-1242 (Aroclor 1242)	11	U	ug/kg dry	11	4/09/13 9:57	5/02/13 21:30	EPA 8082
12672-29-6	PCB-1248 (Aroclor 1248)	11	U	ug/kg dry	11	4/09/13 9:57	5/02/13 21:30	EPA 8082
11097-69-1	PCB-1254 (Aroclor 1254)	11	U	ug/kg dry	11	4/09/13 9:57	5/02/13 21:30	EPA 8082
11096-82-5	PCB-1260 (Aroclor 1260)	11	U	ug/kg dry	11	4/09/13 9:57	5/02/13 21:30	EPA 8082
37324-23-5	PCB-1262 (Aroclor 1262)	11	U	ug/kg dry	11	4/09/13 9:57	5/02/13 21:30	EPA 8082
11100-14-4	PCB-1268 (Aroclor 1268)	11	U	ug/kg dry	11	4/09/13 9:57	5/02/13 21:30	EPA 8082

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PCB Aroclors

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-009-SF
Station ID: GML009
Lab ID: E131406-17
Matrix: Surface Soil

Date Collected: 4/3/13 11:34

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
12674-11-2	PCB-1016 (Aroclor 1016)	2000	U	ug/kg dry	2000	4/09/13 9:57	5/02/13 22:19	EPA 8082
11104-28-2	PCB-1221 (Aroclor 1221)	4000	U	ug/kg dry	4000	4/09/13 9:57	5/02/13 22:19	EPA 8082
11141-16-5	PCB-1232 (Aroclor 1232)	2000	U	ug/kg dry	2000	4/09/13 9:57	5/02/13 22:19	EPA 8082
53469-21-9	PCB-1242 (Aroclor 1242)	2000	U	ug/kg dry	2000	4/09/13 9:57	5/02/13 22:19	EPA 8082
12672-29-6	PCB-1248 (Aroclor 1248)	2000	U	ug/kg dry	2000	4/09/13 9:57	5/02/13 22:19	EPA 8082
11097-69-1	PCB-1254 (Aroclor 1254)	14000	U, CRa	ug/kg dry	14000	4/09/13 9:57	5/02/13 22:19	EPA 8082
11096-82-5	PCB-1260 (Aroclor 1260)	14000	U, CRa	ug/kg dry	14000	4/09/13 9:57	5/02/13 22:19	EPA 8082
37324-23-5	PCB-1262 (Aroclor 1262)	13000		ug/kg dry	2000	4/09/13 9:57	5/02/13 22:19	EPA 8082
11100-14-4	PCB-1268 (Aroclor 1268)	2000	U	ug/kg dry	2000	4/09/13 9:57	5/02/13 22:19	EPA 8082

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PCB Aroclors

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-010-SF
Station ID: GML010
Lab ID: E131406-18
Matrix: Surface Soil

Date Collected: 4/3/13 11:45

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
12674-11-2	PCB-1016 (Aroclor 1016)	550	U	ug/kg dry	550	4/09/13 9:57	5/02/13 22:44	EPA 8082
11104-28-2	PCB-1221 (Aroclor 1221)	1100	U	ug/kg dry	1100	4/09/13 9:57	5/02/13 22:44	EPA 8082
11141-16-5	PCB-1232 (Aroclor 1232)	550	U	ug/kg dry	550	4/09/13 9:57	5/02/13 22:44	EPA 8082
53469-21-9	PCB-1242 (Aroclor 1242)	550	U	ug/kg dry	550	4/09/13 9:57	5/02/13 22:44	EPA 8082
12672-29-6	PCB-1248 (Aroclor 1248)	550	U	ug/kg dry	550	4/09/13 9:57	5/02/13 22:44	EPA 8082
11097-69-1	PCB-1254 (Aroclor 1254)	3100	U, CRa	ug/kg dry	3100	4/09/13 9:57	5/02/13 22:44	EPA 8082
11096-82-5	PCB-1260 (Aroclor 1260)	3100	U, CRa	ug/kg dry	3100	4/09/13 9:57	5/02/13 22:44	EPA 8082
37324-23-5	PCB-1262 (Aroclor 1262)	3000		ug/kg dry	550	4/09/13 9:57	5/02/13 22:44	EPA 8082
11100-14-4	PCB-1268 (Aroclor 1268)	550	U	ug/kg dry	550	4/09/13 9:57	5/02/13 22:44	EPA 8082

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PCB Aroclors

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-011-SF
Station ID: GML011
Lab ID: E131406-19
Matrix: Surface Soil

Date Collected: 4/3/13 12:08

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
12674-11-2	PCB-1016 (Aroclor 1016)	110	U	ug/kg dry	110	4/09/13 9:57	5/02/13 23:09	EPA 8082
11104-28-2	PCB-1221 (Aroclor 1221)	220	U	ug/kg dry	220	4/09/13 9:57	5/02/13 23:09	EPA 8082
11141-16-5	PCB-1232 (Aroclor 1232)	110	U	ug/kg dry	110	4/09/13 9:57	5/02/13 23:09	EPA 8082
53469-21-9	PCB-1242 (Aroclor 1242)	110	U	ug/kg dry	110	4/09/13 9:57	5/02/13 23:09	EPA 8082
12672-29-6	PCB-1248 (Aroclor 1248)	110	U	ug/kg dry	110	4/09/13 9:57	5/02/13 23:09	EPA 8082
11097-69-1	PCB-1254 (Aroclor 1254)	800	U, CRa	ug/kg dry	800	4/09/13 9:57	5/02/13 23:09	EPA 8082
11096-82-5	PCB-1260 (Aroclor 1260)	800	U, CRa	ug/kg dry	800	4/09/13 9:57	5/02/13 23:09	EPA 8082
37324-23-5	PCB-1262 (Aroclor 1262)	790		ug/kg dry	110	4/09/13 9:57	5/02/13 23:09	EPA 8082
11100-14-4	PCB-1268 (Aroclor 1268)	110	U	ug/kg dry	110	4/09/13 9:57	5/02/13 23:09	EPA 8082

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PCB Aroclors

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-012-SF
Station ID: GML012

Lab ID: E131406-20
Matrix: Surface Soil

Date Collected: 4/3/13 12:15

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
12674-11-2	PCB-1016 (Aroclor 1016)	120	U	ug/kg dry	120	4/09/13 9:57	5/02/13 23:33	EPA 8082
11104-28-2	PCB-1221 (Aroclor 1221)	240	U	ug/kg dry	240	4/09/13 9:57	5/02/13 23:33	EPA 8082
11141-16-5	PCB-1232 (Aroclor 1232)	120	U	ug/kg dry	120	4/09/13 9:57	5/02/13 23:33	EPA 8082
53469-21-9	PCB-1242 (Aroclor 1242)	120	U	ug/kg dry	120	4/09/13 9:57	5/02/13 23:33	EPA 8082
12672-29-6	PCB-1248 (Aroclor 1248)	120	U	ug/kg dry	120	4/09/13 9:57	5/02/13 23:33	EPA 8082
11097-69-1	PCB-1254 (Aroclor 1254)	600	U, CRa	ug/kg dry	600	4/09/13 9:57	5/02/13 23:33	EPA 8082
11096-82-5	PCB-1260 (Aroclor 1260)	600	U, CRa	ug/kg dry	600	4/09/13 9:57	5/02/13 23:33	EPA 8082
37324-23-5	PCB-1262 (Aroclor 1262)	590		ug/kg dry	120	4/09/13 9:57	5/02/13 23:33	EPA 8082
11100-14-4	PCB-1268 (Aroclor 1268)	120	U	ug/kg dry	120	4/09/13 9:57	5/02/13 23:33	EPA 8082

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PCB Aroclors

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-013-SF
Station ID: GML013
Lab ID: E131406-21
Matrix: Surface Soil

Date Collected: 4/3/13 9:55

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
12674-11-2	PCB-1016 (Aroclor 1016)	11	U	ug/kg dry	11	4/09/13 9:57	5/02/13 23:58	EPA 8082
11104-28-2	PCB-1221 (Aroclor 1221)	22	U	ug/kg dry	22	4/09/13 9:57	5/02/13 23:58	EPA 8082
11141-16-5	PCB-1232 (Aroclor 1232)	11	U	ug/kg dry	11	4/09/13 9:57	5/02/13 23:58	EPA 8082
53469-21-9	PCB-1242 (Aroclor 1242)	11	U	ug/kg dry	11	4/09/13 9:57	5/02/13 23:58	EPA 8082
12672-29-6	PCB-1248 (Aroclor 1248)	11	U	ug/kg dry	11	4/09/13 9:57	5/02/13 23:58	EPA 8082
11097-69-1	PCB-1254 (Aroclor 1254)	70	U, CRa	ug/kg dry	70	4/09/13 9:57	5/02/13 23:58	EPA 8082
11096-82-5	PCB-1260 (Aroclor 1260)	70	U, CRa	ug/kg dry	70	4/09/13 9:57	5/02/13 23:58	EPA 8082
37324-23-5	PCB-1262 (Aroclor 1262)	69		ug/kg dry	11	4/09/13 9:57	5/02/13 23:58	EPA 8082
11100-14-4	PCB-1268 (Aroclor 1268)	11	U	ug/kg dry	11	4/09/13 9:57	5/02/13 23:58	EPA 8082

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PCB Aroclors

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-014-SF
Station ID: GML014
Lab ID: E131406-22
Matrix: Surface Soil

Date Collected: 4/3/13 10:10

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
12674-11-2	PCB-1016 (Aroclor 1016)	12	U	ug/kg dry	12	4/09/13 9:57	5/03/13 0:23	EPA 8082
11104-28-2	PCB-1221 (Aroclor 1221)	23	U	ug/kg dry	23	4/09/13 9:57	5/03/13 0:23	EPA 8082
11141-16-5	PCB-1232 (Aroclor 1232)	12	U	ug/kg dry	12	4/09/13 9:57	5/03/13 0:23	EPA 8082
53469-21-9	PCB-1242 (Aroclor 1242)	12	U	ug/kg dry	12	4/09/13 9:57	5/03/13 0:23	EPA 8082
12672-29-6	PCB-1248 (Aroclor 1248)	12	U	ug/kg dry	12	4/09/13 9:57	5/03/13 0:23	EPA 8082
11097-69-1	PCB-1254 (Aroclor 1254)	55	U, CRa	ug/kg dry	55	4/09/13 9:57	5/03/13 0:23	EPA 8082
11096-82-5	PCB-1260 (Aroclor 1260)	55	U, CRa	ug/kg dry	55	4/09/13 9:57	5/03/13 0:23	EPA 8082
37324-23-5	PCB-1262 (Aroclor 1262)	54		ug/kg dry	12	4/09/13 9:57	5/03/13 0:23	EPA 8082
11100-14-4	PCB-1268 (Aroclor 1268)	12	U	ug/kg dry	12	4/09/13 9:57	5/03/13 0:23	EPA 8082

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PCB Aroclors

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-015-SF
Station ID: GML015
Lab ID: E131406-23
Matrix: Surface Soil

Date Collected: 4/3/13 10:25

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
12674-11-2	PCB-1016 (Aroclor 1016)	11	U	ug/kg dry	11	4/09/13 9:57	5/03/13 0:48	EPA 8082
11104-28-2	PCB-1221 (Aroclor 1221)	22	U	ug/kg dry	22	4/09/13 9:57	5/03/13 0:48	EPA 8082
11141-16-5	PCB-1232 (Aroclor 1232)	11	U	ug/kg dry	11	4/09/13 9:57	5/03/13 0:48	EPA 8082
53469-21-9	PCB-1242 (Aroclor 1242)	11	U	ug/kg dry	11	4/09/13 9:57	5/03/13 0:48	EPA 8082
12672-29-6	PCB-1248 (Aroclor 1248)	11	U	ug/kg dry	11	4/09/13 9:57	5/03/13 0:48	EPA 8082
11097-69-1	PCB-1254 (Aroclor 1254)	11	U	ug/kg dry	11	4/09/13 9:57	5/03/13 0:48	EPA 8082
11096-82-5	PCB-1260 (Aroclor 1260)	11	U	ug/kg dry	11	4/09/13 9:57	5/03/13 0:48	EPA 8082
37324-23-5	PCB-1262 (Aroclor 1262)	11	U	ug/kg dry	11	4/09/13 9:57	5/03/13 0:48	EPA 8082
11100-14-4	PCB-1268 (Aroclor 1268)	11	U	ug/kg dry	11	4/09/13 9:57	5/03/13 0:48	EPA 8082

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PCB Aroclors

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-016-SF
Station ID: GML016
Lab ID: E131406-24
Matrix: Surface Soil

Date Collected: 4/3/13 12:42

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
12674-11-2	PCB-1016 (Aroclor 1016)	1300	U	ug/kg dry	1300	4/09/13 9:57	5/03/13 1:13	EPA 8082
11104-28-2	PCB-1221 (Aroclor 1221)	2500	U	ug/kg dry	2500	4/09/13 9:57	5/03/13 1:13	EPA 8082
11141-16-5	PCB-1232 (Aroclor 1232)	1300	U	ug/kg dry	1300	4/09/13 9:57	5/03/13 1:13	EPA 8082
53469-21-9	PCB-1242 (Aroclor 1242)	1300	U	ug/kg dry	1300	4/09/13 9:57	5/03/13 1:13	EPA 8082
12672-29-6	PCB-1248 (Aroclor 1248)	1300	U	ug/kg dry	1300	4/09/13 9:57	5/03/13 1:13	EPA 8082
11097-69-1	PCB-1254 (Aroclor 1254)	3800	U, CRa	ug/kg dry	3800	4/09/13 9:57	5/03/13 1:13	EPA 8082
11096-82-5	PCB-1260 (Aroclor 1260)	3800	U, CRa	ug/kg dry	3800	4/09/13 9:57	5/03/13 1:13	EPA 8082
37324-23-5	PCB-1262 (Aroclor 1262)	3700		ug/kg dry	1300	4/09/13 9:57	5/03/13 1:13	EPA 8082
11100-14-4	PCB-1268 (Aroclor 1268)	1300	U	ug/kg dry	1300	4/09/13 9:57	5/03/13 1:13	EPA 8082

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PCB Aroclors

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-017-SF
Station ID: GML017
Lab ID: E131406-25
Matrix: Surface Soil

Date Collected: 4/3/13 12:56

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
12674-11-2	PCB-1016 (Aroclor 1016)	58	U	ug/kg dry	58	4/09/13 9:57	5/03/13 1:37	EPA 8082
11104-28-2	PCB-1221 (Aroclor 1221)	120	U	ug/kg dry	120	4/09/13 9:57	5/03/13 1:37	EPA 8082
11141-16-5	PCB-1232 (Aroclor 1232)	58	U	ug/kg dry	58	4/09/13 9:57	5/03/13 1:37	EPA 8082
53469-21-9	PCB-1242 (Aroclor 1242)	58	U	ug/kg dry	58	4/09/13 9:57	5/03/13 1:37	EPA 8082
12672-29-6	PCB-1248 (Aroclor 1248)	58	U	ug/kg dry	58	4/09/13 9:57	5/03/13 1:37	EPA 8082
11097-69-1	PCB-1254 (Aroclor 1254)	200	U, CRa	ug/kg dry	200	4/09/13 9:57	5/03/13 1:37	EPA 8082
11096-82-5	PCB-1260 (Aroclor 1260)	200	U, CRa	ug/kg dry	200	4/09/13 9:57	5/03/13 1:37	EPA 8082
37324-23-5	PCB-1262 (Aroclor 1262)	190		ug/kg dry	58	4/09/13 9:57	5/03/13 1:37	EPA 8082
11100-14-4	PCB-1268 (Aroclor 1268)	58	U	ug/kg dry	58	4/09/13 9:57	5/03/13 1:37	EPA 8082

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PCB Aroclors (PCBA) - Quality Control

US-EPA, Region 4, SESD

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1304044 - E 3545A Modified										
Blank (1304044-BLK1)				Prepared: 04/09/13 Analyzed: 04/25/13						
EPA 8082										
PCB-1221 (Aroclor 1221)	U	17	ug/kg dry							U
PCB-1221 (Aroclor 1221) [2C]	U	17	"							U
PCB-1232 (Aroclor 1232)	U	8.3	"							U
PCB-1232 (Aroclor 1232) [2C]	U	8.3	"							U
PCB-1016 (Aroclor 1016)	U	8.3	"							U
PCB-1016 (Aroclor 1016) [2C]	U	8.3	"							U
PCB-1242 (Aroclor 1242)	U	8.3	"							U
PCB-1242 (Aroclor 1242) [2C]	U	8.3	"							U
PCB-1248 (Aroclor 1248)	U	8.3	"							U
PCB-1248 (Aroclor 1248) [2C]	U	8.3	"							U
PCB-1254 (Aroclor 1254)	U	8.3	"							U
PCB-1254 (Aroclor 1254) [2C]	U	8.3	"							U
PCB-1260 (Aroclor 1260)	U	8.3	"							U
PCB-1260 (Aroclor 1260) [2C]	U	8.3	"							U
PCB-1262 (Aroclor 1262)	U	8.3	"							U
PCB-1262 (Aroclor 1262) [2C]	U	8.3	"							U
PCB-1268 (Aroclor 1268)	U	8.3	"							U
PCB-1268 (Aroclor 1268) [2C]	U	8.3	"							U
LCS (1304044-BS1)				Prepared: 04/09/13 Analyzed: 04/25/13						
EPA 8082										
PCB-1221 (Aroclor 1221)	U	83	ug/kg dry				46.6-138			U
PCB-1221 (Aroclor 1221) [2C]	U	83	"				46.6-138			U
PCB-1232 (Aroclor 1232)	U	42	"				46.6-138			U
PCB-1232 (Aroclor 1232) [2C]	U	42	"				46.6-138			U
PCB-1016 (Aroclor 1016)	188.95	42	"	166.56		113	46.6-138			
PCB-1016 (Aroclor 1016) [2C]	181.49	42	"	166.56		109	46.6-138			
PCB-1242 (Aroclor 1242)	U	42	"				46.6-138			U
PCB-1242 (Aroclor 1242) [2C]	U	42	"				46.6-138			U
PCB-1248 (Aroclor 1248)	U	42	"				46.6-138			U
PCB-1248 (Aroclor 1248) [2C]	U	42	"				46.6-138			U
PCB-1254 (Aroclor 1254)	U	42	"				52-134			U
PCB-1254 (Aroclor 1254) [2C]	U	42	"				52-134			U
PCB-1260 (Aroclor 1260)	181.00	42	"	166.56		109	52-134			
PCB-1260 (Aroclor 1260) [2C]	180.49	42	"	166.56		108	52-134			
PCB-1262 (Aroclor 1262)	U	42	"				52-134			U
PCB-1262 (Aroclor 1262) [2C]	U	42	"				52-134			U
PCB-1268 (Aroclor 1268)	U	42	"				52-134			U
PCB-1268 (Aroclor 1268) [2C]	U	42	"				52-134			U

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PCB Aroclors (PCBA) - Quality Control

US-EPA, Region 4, SESD

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1304044 - E 3545A Modified										
LCS (1304044-BS1)				Prepared: 04/09/13 Analyzed: 04/25/13						
Matrix Spike (1304044-MS1)		**Source: E131406-23**		Prepared: 04/09/13 Analyzed: 04/25/13						
EPA 8082										
PCB-1221 (Aroclor 1221)	U	110	ug/kg dry		U		25.5-136			U
PCB-1221 (Aroclor 1221) [2C]	U	110	"		U		25.5-136			U
PCB-1232 (Aroclor 1232)	U	55	"		U		25.5-136			U
PCB-1232 (Aroclor 1232) [2C]	U	55	"		U		25.5-136			U
PCB-1016 (Aroclor 1016)	223.24	55	"	220.75	U	101	25.5-136			
PCB-1016 (Aroclor 1016) [2C]	215.36	55	"	220.75	U	97.6	25.5-136			
PCB-1242 (Aroclor 1242)	U	55	"		U		25.5-136			U
PCB-1242 (Aroclor 1242) [2C]	U	55	"		U		25.5-136			U
PCB-1248 (Aroclor 1248)	U	55	"		U		25.5-136			U
PCB-1248 (Aroclor 1248) [2C]	U	55	"		U		25.5-136			U
PCB-1254 (Aroclor 1254)	U	55	"		U		16.1-145			U
PCB-1254 (Aroclor 1254) [2C]	U	55	"		U		16.1-145			U
PCB-1260 (Aroclor 1260)	222.13	55	"	220.75	U	101	16.1-145			
PCB-1260 (Aroclor 1260) [2C]	219.36	55	"	220.75	U	99.4	16.1-145			
PCB-1262 (Aroclor 1262)	U	55	"		U		16.1-145			U
PCB-1262 (Aroclor 1262) [2C]	U	55	"		U		16.1-145			U
PCB-1268 (Aroclor 1268)	U	55	"		U		16.1-145			U
PCB-1268 (Aroclor 1268) [2C]	U	55	"		U		16.1-145			U
Matrix Spike Dup (1304044-MSD1)		**Source: E131406-23**		Prepared: 04/09/13 Analyzed: 04/25/13						
EPA 8082										
PCB-1221 (Aroclor 1221)	U	110	ug/kg dry		U		25.5-136		36.4	U
PCB-1221 (Aroclor 1221) [2C]	U	110	"		U		25.5-136		36.4	U
PCB-1232 (Aroclor 1232)	U	55	"		U		25.5-136		36.4	U
PCB-1232 (Aroclor 1232) [2C]	U	55	"		U		25.5-136		36.4	U
PCB-1016 (Aroclor 1016)	244.30	55	"	221.73	U	110	25.5-136	9.01	36.4	
PCB-1016 (Aroclor 1016) [2C]	236.26	55	"	221.73	U	107	25.5-136	9.25	36.4	
PCB-1242 (Aroclor 1242)	U	55	"		U		25.5-136		36.4	U
PCB-1242 (Aroclor 1242) [2C]	U	55	"		U		25.5-136		36.4	U
PCB-1248 (Aroclor 1248)	U	55	"		U		25.5-136		36.4	U
PCB-1248 (Aroclor 1248) [2C]	U	55	"		U		25.5-136		36.4	U
PCB-1254 (Aroclor 1254)	U	55	"		U		16.1-145		34.4	U
PCB-1254 (Aroclor 1254) [2C]	U	55	"		U		16.1-145		34.4	U
PCB-1260 (Aroclor 1260)	239.93	55	"	221.73	U	108	16.1-145	7.70	34.4	
PCB-1260 (Aroclor 1260) [2C]	230.98	55	"	221.73	U	104	16.1-145	5.16	34.4	
PCB-1262 (Aroclor 1262)	U	55	"		U		16.1-145		34.4	U

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PCB Aroclors (PCBA) - Quality Control

US-EPA, Region 4, SESD

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1304044 - E 3545A Modified										
Matrix Spike Dup (1304044-MSD1)		**Source: E131406-23**		Prepared: 04/09/13 Analyzed: 04/25/13						
PCB-1262 (Aroclor 1262) [2C]	U	55	ug/kg dry		U		16.1-145		34.4	U
PCB-1268 (Aroclor 1268)	U	55	"		U		16.1-145		34.4	U
PCB-1268 (Aroclor 1268) [2C]	U	55	"		U		16.1-145		34.4	U
MRL Verification (1304044-PS1)				Prepared: 04/09/13 Analyzed: 04/25/13						
EPA 8082										
PCB-1221 (Aroclor 1221)	U	17	ug/kg dry				26.6-158			MRL-3, U
PCB-1221 (Aroclor 1221) [2C]	U	17	"				26.6-158			MRL-3, U
PCB-1232 (Aroclor 1232)	U	8.3	"				26.6-158			MRL-3, U
PCB-1232 (Aroclor 1232) [2C]	U	8.3	"				26.6-158			MRL-3, U
PCB-1016 (Aroclor 1016)	8.5619	8.3	"	8.3417		103	26.6-158			MRL-3
PCB-1016 (Aroclor 1016) [2C]	9.7598	8.3	"	8.3417		117	26.6-158			MRL-3
PCB-1242 (Aroclor 1242)	U	8.3	"				26.6-158			MRL-3, U
PCB-1242 (Aroclor 1242) [2C]	U	8.3	"				26.6-158			MRL-3, U
PCB-1248 (Aroclor 1248)	U	8.3	"				26.6-158			MRL-3, U
PCB-1248 (Aroclor 1248) [2C]	U	8.3	"				26.6-158			MRL-3, U
PCB-1254 (Aroclor 1254)	U	8.3	"				32-154			MRL-3, U
PCB-1254 (Aroclor 1254) [2C]	U	8.3	"				32-154			MRL-3, U
PCB-1260 (Aroclor 1260)	9.4444	8.3	"	8.3417		113	32-154			MRL-3
PCB-1260 (Aroclor 1260) [2C]	10.235	8.3	"	8.3417		123	32-154			MRL-3
PCB-1262 (Aroclor 1262)	U	8.3	"				32-154			MRL-3, U
PCB-1262 (Aroclor 1262) [2C]	U	8.3	"				32-154			MRL-3, U
PCB-1268 (Aroclor 1268)	U	8.3	"				32-154			MRL-3, U
PCB-1268 (Aroclor 1268) [2C]	U	8.3	"				32-154			MRL-3, U

Notes and Definitions for QC Samples

U	The analyte was not detected at or above the reporting limit.
MRL-3	MRL verification for Soil matrix

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May 15, 2013

4SESD-ASB

MEMORANDUM

SUBJECT: FINAL Analytical Report
Project: 13-0295, Greenwood Mills Liner Plt
Superfund Remedial

FROM: Terri White
ICS Chemist

THRU: Mike Wasko, Chief
ASB Inorganic Chemistry Section

TO: Nancy McKee

Attached are the final results for the analytical groups listed below. These analyses were performed in accordance with the Analytical Support Branch's (ASB) Laboratory Operations and Quality Assurance Manual (ASB LOQAM) found at www.epa.gov/region4/sesd/asbsop. Any unique project data quality objectives specified in writing by the data requestor have also been incorporated into the data unless otherwise noted in the Report Narrative. Chemistry data have been verified based on the ASB LOQAM specifications and have been qualified by this laboratory if the applicable quality control criteria were not met. Verification is defined in Section 5.2 of the ASB LOQAM. For a listing of specific data qualifiers and explanations, please refer to the Data Qualifier Definitions included in this report. The reported results are accurate within the limits of the method(s) and are representative only of the samples as received by the laboratory.

Analyses Included in this report:	Method Used:	Accreditations:
Physical Properties (PHYSP)		
Physical Properties	EPA 200.2 (Soil)	None
Total Metals (TMTL)		
Total Mercury	EPA 245.1 (Water)	ISO
Total Mercury	EPA 7473 (Soil)	ISO
Total Metals	EPA 200.8 (Soil)	ISO
Total Metals	EPA 200.8 (Water)	ISO
Total Metals	EPA 6010 (Soil)	ISO
Total Metals	EPA 6010 (Water)	ISO

Sample Disposal Policy

Because of the laboratory's limited space for long term sample storage, our policy is to dispose of samples on a periodic schedule. Please note that within 60 days of this memo, the original samples and all sample extracts and/or sample digestates will be disposed of in accordance with applicable regulations. The 60-day sample disposal policy does not apply to criminal samples which are held until the laboratory is notified by the criminal investigators that case development and litigation are complete.

These samples may be held in the laboratory's custody for a longer period of time if you have a special project need. If you wish for the laboratory to hold samples beyond the 60-day period, please contact our Sample Control Coordinator by e-mail at R4SampleCustody@epa.gov, and provide a reason for holding samples beyond 60 days

cc: Nardina Turner

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SAMPLES INCLUDED IN THIS REPORT

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID	Laboratory ID	Matrix	Date Collected	Date Received
GML-023-PB	E131406-01	Preservative Blank	4/3/13 12:00	4/4/13 10:02
GML-001-SD	E131406-02	Sediment	4/3/13 14:05	4/4/13 10:02
GML-001-SW	E131406-03	Surface Water	4/3/13 14:00	4/4/13 10:02
GML-002-SD	E131406-04	Sediment	4/3/13 14:20	4/4/13 10:02
GML-002-SW	E131406-05	Surface Water	4/3/13 14:10	4/4/13 10:02
GML-003-SD	E131406-06	Sediment	4/3/13 11:25	4/4/13 10:02
GML-003-SW	E131406-07	Surface Water	4/3/13 11:20	4/4/13 10:02
GML-004-SD	E131406-08	Sediment	4/3/13 11:45	4/4/13 10:02
GML-004-SW	E131406-09	Surface Water	4/3/13 11:40	4/4/13 10:02
GML-005-SD	E131406-10	Sediment	4/3/13 13:31	4/4/13 10:02
GML-005-SW	E131406-11	Surface Water	4/3/13 13:25	4/4/13 10:02
GML-006-SD	E131406-12	Sediment	4/3/13 11:10	4/4/13 10:02
GML-006-SW	E131406-13	Surface Water	4/3/13 11:05	4/4/13 10:02
GML-007-SD	E131406-14	Sediment	4/3/13 11:26	4/4/13 10:02
GML-007-SW	E131406-15	Surface Water	4/3/13 11:21	4/4/13 10:02
GML-008-SF	E131406-16	Surface Soil	4/3/13 12:30	4/4/13 10:02
GML-009-SF	E131406-17	Surface Soil	4/3/13 11:34	4/4/13 10:02
GML-010-SF	E131406-18	Surface Soil	4/3/13 11:45	4/4/13 10:02
GML-011-SF	E131406-19	Surface Soil	4/3/13 12:08	4/4/13 10:02
GML-012-SF	E131406-20	Surface Soil	4/3/13 12:15	4/4/13 10:02
GML-013-SF	E131406-21	Surface Soil	4/3/13 09:55	4/4/13 10:02
GML-014-SF	E131406-22	Surface Soil	4/3/13 10:10	4/4/13 10:02
GML-015-SF	E131406-23	Surface Soil	4/3/13 10:25	4/4/13 10:02
GML-016-SF	E131406-24	Surface Soil	4/3/13 12:42	4/4/13 10:02
GML-017-SF	E131406-25	Surface Soil	4/3/13 12:56	4/4/13 10:02

DATA QUALIFIER DEFINITIONS

U	The analyte was not detected at or above the reporting limit.
B-4	Level in blank impacts MRLs.
J	The identification of the analyte is acceptable; the reported value is an estimate.
QM-1	Matrix Spike Recovery less than method control limits

ACRONYMS AND ABBREVIATIONS

CAS Chemical Abstracts Service

Note: Analytes with no known CAS identifiers have been assigned codes beginning with "E", the EPA ID as assigned by the EPA Substance Registry System (www.epa.gov/srs), or beginning with "R4-", a unique identifier assigned by the EPA Region 4 laboratory.

ISO The test, if analyzed after June 26, 2012, is accredited under the EPA Region 4 ASB's ISO/IEC 17025 accreditation issued by ANSI-ASQ National Accreditation Board/ACLASS. Refer to certificate and scope of accreditation AT-1691.

MDL Method Detection Limit - The minimum concentration of a substance (an analyte) that can be measured and reported with a 99% confidence that the analyte concentration is greater than zero.

MRL Minimum Reporting Limit - Analyte concentration that corresponds to the lowest demonstrated level of acceptable quantitation. The MRL is sample-specific and accounts for preparation weights and volumes, dilutions, and moisture content of soil/sediments.

TIC Tentatively Identified Compound - An analyte identified based on a match with the instrument software's mass spectral library. A calibration standard has not been analyzed to confirm the compound's identification or the estimated concentration reported.

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980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Terri White

Total Metals

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-023-PB
Station ID:

Lab ID: E131406-01
Matrix: Preservative Blank

Date Collected: 4/3/13 12:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7439-97-6	Mercury	0.10	U	ug/L	0.10	4/22/13 8:35	4/22/13 14:25	EPA 245.1
7429-90-5	Aluminum	100	U	ug/L	100	4/09/13 10:53	4/10/13 17:26	EPA 6010
7440-36-0	Antimony	1.0	U	ug/L	1.0	4/09/13 10:56	4/24/13 18:24	EPA 200.8
7440-38-2	Arsenic	1.0	U	ug/L	1.0	4/09/13 10:56	4/24/13 18:24	EPA 200.8
7440-39-3	Barium	5.0	U	ug/L	5.0	4/09/13 10:53	4/10/13 17:26	EPA 6010
7440-41-7	Beryllium	3.0	U	ug/L	3.0	4/09/13 10:53	4/10/13 17:26	EPA 6010
7440-43-9	Cadmium	0.50	U	ug/L	0.50	4/09/13 10:56	4/24/13 18:24	EPA 200.8
7440-70-2	Calcium	250	U	ug/L	250	4/09/13 10:53	4/10/13 17:26	EPA 6010
7440-47-3	Chromium	5.0	U	ug/L	5.0	4/09/13 10:53	4/10/13 17:26	EPA 6010
7440-48-4	Cobalt	5.0	U	ug/L	5.0	4/09/13 10:53	4/10/13 17:26	EPA 6010
7440-50-8	Copper	10	U	ug/L	10	4/09/13 10:53	4/10/13 17:26	EPA 6010
7439-89-6	Iron	100	U	ug/L	100	4/09/13 10:53	4/10/13 17:26	EPA 6010
7439-92-1	Lead	6.0	U, B-4	ug/L	6.0	4/09/13 10:56	4/24/13 18:24	EPA 200.8
7439-95-4	Magnesium	250	U	ug/L	250	4/09/13 10:53	4/10/13 17:26	EPA 6010
7439-96-5	Manganese	5.0	U	ug/L	5.0	4/09/13 10:53	4/10/13 17:26	EPA 6010
7439-98-7	Molybdenum	10	U	ug/L	10	4/09/13 10:53	4/10/13 17:26	EPA 6010
7440-02-0	Nickel	10	U	ug/L	10	4/09/13 10:53	4/10/13 17:26	EPA 6010
7440-09-7	Potassium	1000	U	ug/L	1000	4/09/13 10:53	4/10/13 17:26	EPA 6010
7782-49-2	Selenium	2.0	U	ug/L	2.0	4/09/13 10:56	4/24/13 18:24	EPA 200.8
7440-22-4	Silver	5.0	U	ug/L	5.0	4/09/13 10:53	4/11/13 15:28	EPA 6010
7440-23-5	Sodium	1000	U	ug/L	1000	4/09/13 10:53	4/10/13 17:26	EPA 6010
7440-24-6	Strontium	5.0	U	ug/L	5.0	4/09/13 10:53	4/10/13 17:26	EPA 6010
7440-28-0	Thallium	1.0	U	ug/L	1.0	4/09/13 10:56	4/24/13 18:24	EPA 200.8
7440-31-5	Tin	15	U	ug/L	15	4/09/13 10:53	4/10/13 17:26	EPA 6010
7440-32-6	Titanium	5.0	U	ug/L	5.0	4/09/13 10:53	4/10/13 17:26	EPA 6010
7440-62-2	Vanadium	5.0	U	ug/L	5.0	4/09/13 10:53	4/10/13 17:26	EPA 6010
7440-65-5	Yttrium	3.0	U	ug/L	3.0	4/09/13 10:53	4/10/13 17:26	EPA 6010
7440-66-6	Zinc	10	U	ug/L	10	4/09/13 10:53	4/10/13 17:26	EPA 6010

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Terri White

Total Metals

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-001-SD
Station ID: GML001
Lab ID: E131406-02
Matrix: Sediment

Date Collected: 4/3/13 14:05

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7439-97-6	Mercury	0.19		mg/kg dry	0.018	4/19/13 9:42	4/19/13 15:48	EPA 7473
7429-90-5	Aluminum	3800		mg/kg dry	10	4/11/13 12:40	4/18/13 12:49	EPA 6010
7440-36-0	Antimony	0.25	U	mg/kg dry	0.25	4/11/13 12:44	4/26/13 16:42	EPA 200.8
7440-38-2	Arsenic	0.64		mg/kg dry	0.25	4/11/13 12:44	4/26/13 16:42	EPA 200.8
7440-39-3	Barium	30		mg/kg dry	0.50	4/11/13 12:40	4/18/13 12:49	EPA 6010
7440-41-7	Beryllium	0.38		mg/kg dry	0.30	4/11/13 12:40	4/18/13 12:49	EPA 6010
7440-43-9	Cadmium	0.15		mg/kg dry	0.12	4/11/13 12:44	4/26/13 16:42	EPA 200.8
7440-70-2	Calcium	1500		mg/kg dry	25	4/11/13 12:40	4/18/13 12:49	EPA 6010
7440-47-3	Chromium	4.7		mg/kg dry	0.50	4/11/13 12:40	4/18/13 12:49	EPA 6010
7440-48-4	Cobalt	1.1		mg/kg dry	0.50	4/11/13 12:40	4/18/13 12:49	EPA 6010
7440-50-8	Copper	2.8		mg/kg dry	1.0	4/11/13 12:40	4/18/13 12:49	EPA 6010
7439-89-6	Iron	1700		mg/kg dry	10	4/11/13 12:40	4/18/13 12:49	EPA 6010
7439-92-1	Lead	12		mg/kg dry	0.25	4/11/13 12:44	4/26/13 16:42	EPA 200.8
7439-95-4	Magnesium	130		mg/kg dry	25	4/11/13 12:40	4/18/13 12:49	EPA 6010
7439-96-5	Manganese	45		mg/kg dry	0.50	4/11/13 12:40	4/18/13 12:49	EPA 6010
7439-98-7	Molybdenum	1.0	U	mg/kg dry	1.0	4/11/13 12:40	4/18/13 12:49	EPA 6010
7440-02-0	Nickel	1.6		mg/kg dry	1.0	4/11/13 12:40	4/18/13 12:49	EPA 6010
7440-09-7	Potassium	100	U	mg/kg dry	100	4/11/13 12:40	4/18/13 12:49	EPA 6010
7782-49-2	Selenium	0.50	U	mg/kg dry	0.50	4/11/13 12:44	4/26/13 16:42	EPA 200.8
7440-22-4	Silver	0.50	U	mg/kg dry	0.50	4/11/13 12:40	4/18/13 12:49	EPA 6010
7440-23-5	Sodium	100	U	mg/kg dry	100	4/11/13 12:40	4/18/13 12:49	EPA 6010
7440-24-6	Strontium	8.1		mg/kg dry	0.50	4/11/13 12:40	4/18/13 12:49	EPA 6010
7440-28-0	Thallium	0.25	U	mg/kg dry	0.25	4/11/13 12:44	4/26/13 16:42	EPA 200.8
7440-31-5	Tin	1.5	U	mg/kg dry	1.5	4/11/13 12:40	4/18/13 12:49	EPA 6010
7440-32-6	Titanium	7.9		mg/kg dry	0.50	4/11/13 12:40	4/18/13 12:49	EPA 6010
7440-62-2	Vanadium	5.3		mg/kg dry	0.50	4/11/13 12:40	4/18/13 12:49	EPA 6010
7440-65-5	Yttrium	4.8		mg/kg dry	0.30	4/11/13 12:40	4/18/13 12:49	EPA 6010
7440-66-6	Zinc	13		mg/kg dry	1.0	4/11/13 12:40	4/18/13 12:49	EPA 6010

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Terri White

Physical Properties

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-001-SD
Station ID: GML001
Lab ID: E131406-02
Matrix: Sediment

Date Collected: 4/3/13 14:05

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1642941	% Solids	59		%	0.0	4/08/13 16:23	4/10/13 11:10	EPA 200.2

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
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D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Terri White

Total Metals

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-001-SW
Station ID: GML001

Lab ID: E131406-03
Matrix: Surface Water

Date Collected: 4/3/13 14:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7439-97-6	Mercury	0.10	U	ug/L	0.10	4/22/13 8:35	4/22/13 14:25	EPA 245.1
7429-90-5	Aluminum	330		ug/L	100	4/09/13 10:53	4/10/13 17:31	EPA 6010
7440-36-0	Antimony	1.0	U	ug/L	1.0	4/09/13 10:56	4/24/13 18:29	EPA 200.8
7440-38-2	Arsenic	1.0	U	ug/L	1.0	4/09/13 10:56	4/24/13 18:29	EPA 200.8
7440-39-3	Barium	18		ug/L	5.0	4/09/13 10:53	4/10/13 17:31	EPA 6010
7440-41-7	Beryllium	3.0	U	ug/L	3.0	4/09/13 10:53	4/10/13 17:31	EPA 6010
7440-43-9	Cadmium	0.50	U	ug/L	0.50	4/09/13 10:56	4/24/13 18:29	EPA 200.8
7440-70-2	Calcium	3400		ug/L	250	4/09/13 10:53	4/10/13 17:31	EPA 6010
7440-47-3	Chromium	5.0	U	ug/L	5.0	4/09/13 10:53	4/10/13 17:31	EPA 6010
7440-48-4	Cobalt	5.0	U	ug/L	5.0	4/09/13 10:53	4/10/13 17:31	EPA 6010
7440-50-8	Copper	10	U	ug/L	10	4/09/13 10:53	4/10/13 17:31	EPA 6010
7439-89-6	Iron	510		ug/L	100	4/09/13 10:53	4/10/13 17:31	EPA 6010
7439-92-1	Lead	6.0	U, B-4	ug/L	6.0	4/09/13 10:56	4/24/13 18:29	EPA 200.8
7439-95-4	Magnesium	870		ug/L	250	4/09/13 10:53	4/10/13 17:31	EPA 6010
7439-96-5	Manganese	24		ug/L	5.0	4/09/13 10:53	4/10/13 17:31	EPA 6010
7439-98-7	Molybdenum	10	U	ug/L	10	4/09/13 10:53	4/10/13 17:31	EPA 6010
7440-02-0	Nickel	10	U	ug/L	10	4/09/13 10:53	4/10/13 17:31	EPA 6010
7440-09-7	Potassium	1100		ug/L	1000	4/09/13 10:53	4/10/13 17:31	EPA 6010
7782-49-2	Selenium	2.0	U	ug/L	2.0	4/09/13 10:56	4/24/13 18:29	EPA 200.8
7440-22-4	Silver	5.0	U	ug/L	5.0	4/09/13 10:53	4/11/13 15:33	EPA 6010
7440-23-5	Sodium	5800		ug/L	1000	4/09/13 10:53	4/10/13 17:31	EPA 6010
7440-24-6	Strontium	13		ug/L	5.0	4/09/13 10:53	4/10/13 17:31	EPA 6010
7440-28-0	Thallium	1.0	U	ug/L	1.0	4/09/13 10:56	4/24/13 18:29	EPA 200.8
7440-31-5	Tin	15	U	ug/L	15	4/09/13 10:53	4/10/13 17:31	EPA 6010
7440-32-6	Titanium	5.0	U	ug/L	5.0	4/09/13 10:53	4/10/13 17:31	EPA 6010
7440-62-2	Vanadium	5.0	U	ug/L	5.0	4/09/13 10:53	4/10/13 17:31	EPA 6010
7440-65-5	Yttrium	3.0	U	ug/L	3.0	4/09/13 10:53	4/10/13 17:31	EPA 6010
7440-66-6	Zinc	10	U	ug/L	10	4/09/13 10:53	4/10/13 17:31	EPA 6010

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Terri White

Total Metals

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-002-SD
Station ID: GML002
Lab ID: E131406-04
Matrix: Sediment

Date Collected: 4/3/13 14:20

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7439-97-6	Mercury	0.028		mg/kg dry	0.020	4/19/13 9:42	4/19/13 15:48	EPA 7473
7429-90-5	Aluminum	3100	J, QM-1	mg/kg dry	10	4/11/13 12:40	4/18/13 12:54	EPA 6010
7440-36-0	Antimony	0.25	U, J, QM-1	mg/kg dry	0.25	4/11/13 12:44	4/26/13 16:47	EPA 200.8
7440-38-2	Arsenic	0.25	U	mg/kg dry	0.25	4/11/13 12:44	4/26/13 16:47	EPA 200.8
7440-39-3	Barium	17		mg/kg dry	0.50	4/11/13 12:40	4/18/13 12:54	EPA 6010
7440-41-7	Beryllium	0.30	U	mg/kg dry	0.30	4/11/13 12:40	4/18/13 12:54	EPA 6010
7440-43-9	Cadmium	0.12	U	mg/kg dry	0.12	4/11/13 12:44	4/26/13 16:47	EPA 200.8
7440-70-2	Calcium	460		mg/kg dry	25	4/11/13 12:40	4/18/13 12:54	EPA 6010
7440-47-3	Chromium	3.6		mg/kg dry	0.50	4/11/13 12:40	4/18/13 12:54	EPA 6010
7440-48-4	Cobalt	0.56		mg/kg dry	0.50	4/11/13 12:40	4/18/13 12:54	EPA 6010
7440-50-8	Copper	1.0	U	mg/kg dry	1.0	4/11/13 12:40	4/18/13 12:54	EPA 6010
7439-89-6	Iron	800		mg/kg dry	10	4/11/13 12:40	4/18/13 12:54	EPA 6010
7439-92-1	Lead	3.9		mg/kg dry	0.25	4/11/13 12:44	4/26/13 16:47	EPA 200.8
7439-95-4	Magnesium	130		mg/kg dry	25	4/11/13 12:40	4/18/13 12:54	EPA 6010
7439-96-5	Manganese	49		mg/kg dry	0.50	4/11/13 12:40	4/18/13 12:54	EPA 6010
7439-98-7	Molybdenum	1.0	U	mg/kg dry	1.0	4/11/13 12:40	4/18/13 12:54	EPA 6010
7440-02-0	Nickel	1.0	U	mg/kg dry	1.0	4/11/13 12:40	4/18/13 12:54	EPA 6010
7440-09-7	Potassium	100	U	mg/kg dry	100	4/11/13 12:40	4/18/13 12:54	EPA 6010
7782-49-2	Selenium	0.50	U	mg/kg dry	0.50	4/11/13 12:44	4/26/13 16:47	EPA 200.8
7440-22-4	Silver	0.50	U	mg/kg dry	0.50	4/11/13 12:40	4/18/13 12:54	EPA 6010
7440-23-5	Sodium	100	U	mg/kg dry	100	4/11/13 12:40	4/18/13 12:54	EPA 6010
7440-24-6	Strontium	3.1		mg/kg dry	0.50	4/11/13 12:40	4/18/13 12:54	EPA 6010
7440-28-0	Thallium	0.25	U	mg/kg dry	0.25	4/11/13 12:44	4/26/13 16:47	EPA 200.8
7440-31-5	Tin	1.5	U	mg/kg dry	1.5	4/11/13 12:40	4/18/13 12:54	EPA 6010
7440-32-6	Titanium	6.4	J, QM-1	mg/kg dry	0.50	4/11/13 12:40	4/18/13 12:54	EPA 6010
7440-62-2	Vanadium	3.2		mg/kg dry	0.50	4/11/13 12:40	4/18/13 12:54	EPA 6010
7440-65-5	Yttrium	2.3		mg/kg dry	0.30	4/11/13 12:40	4/18/13 12:54	EPA 6010
7440-66-6	Zinc	2.4		mg/kg dry	1.0	4/11/13 12:40	4/18/13 12:54	EPA 6010

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Terri White

Physical Properties

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-002-SD
Station ID: GML002
Lab ID: E131406-04
Matrix: Sediment

Date Collected: 4/3/13 14:20

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1642941	% Solids	54		%	0.0	4/08/13 16:23	4/10/13 11:10	EPA 200.2

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
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980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Terri White

Total Metals

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-002-SW
Station ID: GML002
Lab ID: E131406-05
Matrix: Surface Water

Date Collected: 4/3/13 14:10

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7439-97-6	Mercury	0.10	U	ug/L	0.10	4/22/13 8:35	4/22/13 14:25	EPA 245.1
7429-90-5	Aluminum	250		ug/L	100	4/09/13 10:53	4/10/13 17:46	EPA 6010
7440-36-0	Antimony	1.0	U	ug/L	1.0	4/09/13 10:56	4/24/13 18:50	EPA 200.8
7440-38-2	Arsenic	1.0	U	ug/L	1.0	4/09/13 10:56	4/24/13 18:50	EPA 200.8
7440-39-3	Barium	17		ug/L	5.0	4/09/13 10:53	4/10/13 17:46	EPA 6010
7440-41-7	Beryllium	3.0	U	ug/L	3.0	4/09/13 10:53	4/10/13 17:46	EPA 6010
7440-43-9	Cadmium	0.50	U	ug/L	0.50	4/09/13 10:56	4/24/13 18:50	EPA 200.8
7440-70-2	Calcium	3300		ug/L	250	4/09/13 10:53	4/10/13 17:46	EPA 6010
7440-47-3	Chromium	5.0	U	ug/L	5.0	4/09/13 10:53	4/10/13 17:46	EPA 6010
7440-48-4	Cobalt	5.0	U	ug/L	5.0	4/09/13 10:53	4/10/13 17:46	EPA 6010
7440-50-8	Copper	10	U	ug/L	10	4/09/13 10:53	4/10/13 17:46	EPA 6010
7439-89-6	Iron	480		ug/L	100	4/09/13 10:53	4/10/13 17:46	EPA 6010
7439-92-1	Lead	6.0	U, B-4	ug/L	6.0	4/09/13 10:56	4/24/13 18:50	EPA 200.8
7439-95-4	Magnesium	860		ug/L	250	4/09/13 10:53	4/10/13 17:46	EPA 6010
7439-96-5	Manganese	24		ug/L	5.0	4/09/13 10:53	4/10/13 17:46	EPA 6010
7439-98-7	Molybdenum	10	U	ug/L	10	4/09/13 10:53	4/10/13 17:46	EPA 6010
7440-02-0	Nickel	10	U	ug/L	10	4/09/13 10:53	4/10/13 17:46	EPA 6010
7440-09-7	Potassium	1200		ug/L	1000	4/09/13 10:53	4/10/13 17:46	EPA 6010
7782-49-2	Selenium	2.0	U	ug/L	2.0	4/09/13 10:56	4/24/13 18:50	EPA 200.8
7440-22-4	Silver	5.0	U	ug/L	5.0	4/09/13 10:53	4/11/13 15:49	EPA 6010
7440-23-5	Sodium	5600		ug/L	1000	4/09/13 10:53	4/10/13 17:46	EPA 6010
7440-24-6	Strontium	13		ug/L	5.0	4/09/13 10:53	4/10/13 17:46	EPA 6010
7440-28-0	Thallium	1.0	U	ug/L	1.0	4/09/13 10:56	4/24/13 18:50	EPA 200.8
7440-31-5	Tin	15	U	ug/L	15	4/09/13 10:53	4/10/13 17:46	EPA 6010
7440-32-6	Titanium	5.0	U	ug/L	5.0	4/09/13 10:53	4/10/13 17:46	EPA 6010
7440-62-2	Vanadium	5.0	U	ug/L	5.0	4/09/13 10:53	4/10/13 17:46	EPA 6010
7440-65-5	Yttrium	3.0	U	ug/L	3.0	4/09/13 10:53	4/10/13 17:46	EPA 6010
7440-66-6	Zinc	10	U	ug/L	10	4/09/13 10:53	4/10/13 17:46	EPA 6010

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Terri White

Total Metals

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-003-SD
Station ID: GML003
Lab ID: E131406-06
Matrix: Sediment

Date Collected: 4/3/13 11:25

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7439-97-6	Mercury	0.18		mg/kg dry	0.019	4/19/13 9:42	4/19/13 15:48	EPA 7473
7429-90-5	Aluminum	5100		mg/kg dry	10	4/11/13 12:40	4/18/13 13:17	EPA 6010
7440-36-0	Antimony	0.25	U	mg/kg dry	0.25	4/11/13 12:44	4/26/13 17:10	EPA 200.8
7440-38-2	Arsenic	0.41		mg/kg dry	0.25	4/11/13 12:44	4/26/13 17:10	EPA 200.8
7440-39-3	Barium	33		mg/kg dry	0.50	4/11/13 12:40	4/18/13 13:17	EPA 6010
7440-41-7	Beryllium	0.40		mg/kg dry	0.30	4/11/13 12:40	4/18/13 13:17	EPA 6010
7440-43-9	Cadmium	0.12	U	mg/kg dry	0.12	4/11/13 12:44	4/26/13 17:10	EPA 200.8
7440-70-2	Calcium	420		mg/kg dry	25	4/11/13 12:40	4/18/13 13:17	EPA 6010
7440-47-3	Chromium	120		mg/kg dry	0.50	4/11/13 12:40	4/18/13 13:17	EPA 6010
7440-48-4	Cobalt	0.57		mg/kg dry	0.50	4/11/13 12:40	4/18/13 13:17	EPA 6010
7440-50-8	Copper	3.3		mg/kg dry	1.0	4/11/13 12:40	4/18/13 13:17	EPA 6010
7439-89-6	Iron	2200		mg/kg dry	10	4/11/13 12:40	4/18/13 13:17	EPA 6010
7439-92-1	Lead	18		mg/kg dry	0.25	4/11/13 12:44	4/26/13 17:10	EPA 200.8
7439-95-4	Magnesium	140		mg/kg dry	25	4/11/13 12:40	4/18/13 13:17	EPA 6010
7439-96-5	Manganese	16		mg/kg dry	0.50	4/11/13 12:40	4/18/13 13:17	EPA 6010
7439-98-7	Molybdenum	1.0	U	mg/kg dry	1.0	4/11/13 12:40	4/18/13 13:17	EPA 6010
7440-02-0	Nickel	1.9		mg/kg dry	1.0	4/11/13 12:40	4/18/13 13:17	EPA 6010
7440-09-7	Potassium	160		mg/kg dry	100	4/11/13 12:40	4/18/13 13:17	EPA 6010
7782-49-2	Selenium	0.51		mg/kg dry	0.50	4/11/13 12:44	4/26/13 17:10	EPA 200.8
7440-22-4	Silver	0.50	U	mg/kg dry	0.50	4/11/13 12:40	4/18/13 13:17	EPA 6010
7440-23-5	Sodium	100	U	mg/kg dry	100	4/11/13 12:40	4/18/13 13:17	EPA 6010
7440-24-6	Strontium	4.4		mg/kg dry	0.50	4/11/13 12:40	4/18/13 13:17	EPA 6010
7440-28-0	Thallium	0.25	U	mg/kg dry	0.25	4/11/13 12:44	4/26/13 17:10	EPA 200.8
7440-31-5	Tin	1.5	U	mg/kg dry	1.5	4/11/13 12:40	4/18/13 13:17	EPA 6010
7440-32-6	Titanium	13		mg/kg dry	0.50	4/11/13 12:40	4/18/13 13:17	EPA 6010
7440-62-2	Vanadium	6.7		mg/kg dry	0.50	4/11/13 12:40	4/18/13 13:17	EPA 6010
7440-65-5	Yttrium	3.8		mg/kg dry	0.30	4/11/13 12:40	4/18/13 13:17	EPA 6010
7440-66-6	Zinc	9.8		mg/kg dry	1.0	4/11/13 12:40	4/18/13 13:17	EPA 6010

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Terri White

Physical Properties

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-003-SD
Station ID: GML003
Lab ID: E131406-06
Matrix: Sediment

Date Collected: 4/3/13 11:25

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1642941	% Solids	52		%	0.0	4/08/13 16:23	4/10/13 11:10	EPA 200.2

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D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Terri White

Total Metals

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-003-SW
Station ID: GML003

Lab ID: E131406-07
Matrix: Surface Water

Date Collected: 4/3/13 11:20

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7439-97-6	Mercury	0.10	U	ug/L	0.10	4/22/13 8:35	4/22/13 14:25	EPA 245.1
7429-90-5	Aluminum	610		ug/L	100	4/09/13 10:53	4/10/13 17:51	EPA 6010
7440-36-0	Antimony	1.0	U	ug/L	1.0	4/09/13 10:56	4/24/13 18:55	EPA 200.8
7440-38-2	Arsenic	1.0	U	ug/L	1.0	4/09/13 10:56	4/24/13 18:55	EPA 200.8
7440-39-3	Barium	20		ug/L	5.0	4/09/13 10:53	4/10/13 17:51	EPA 6010
7440-41-7	Beryllium	3.0	U	ug/L	3.0	4/09/13 10:53	4/10/13 17:51	EPA 6010
7440-43-9	Cadmium	0.50	U	ug/L	0.50	4/09/13 10:56	4/24/13 18:55	EPA 200.8
7440-70-2	Calcium	4500		ug/L	250	4/09/13 10:53	4/10/13 17:51	EPA 6010
7440-47-3	Chromium	5.0	U	ug/L	5.0	4/09/13 10:53	4/10/13 17:51	EPA 6010
7440-48-4	Cobalt	5.0	U	ug/L	5.0	4/09/13 10:53	4/10/13 17:51	EPA 6010
7440-50-8	Copper	10	U	ug/L	10	4/09/13 10:53	4/10/13 17:51	EPA 6010
7439-89-6	Iron	680		ug/L	100	4/09/13 10:53	4/10/13 17:51	EPA 6010
7439-92-1	Lead	6.0	U, B-4	ug/L	6.0	4/09/13 10:56	4/24/13 18:55	EPA 200.8
7439-95-4	Magnesium	870		ug/L	250	4/09/13 10:53	4/10/13 17:51	EPA 6010
7439-96-5	Manganese	41		ug/L	5.0	4/09/13 10:53	4/10/13 17:51	EPA 6010
7439-98-7	Molybdenum	10	U	ug/L	10	4/09/13 10:53	4/10/13 17:51	EPA 6010
7440-02-0	Nickel	10	U	ug/L	10	4/09/13 10:53	4/10/13 17:51	EPA 6010
7440-09-7	Potassium	1200		ug/L	1000	4/09/13 10:53	4/10/13 17:51	EPA 6010
7782-49-2	Selenium	2.0	U	ug/L	2.0	4/09/13 10:56	4/24/13 18:55	EPA 200.8
7440-22-4	Silver	5.0	U	ug/L	5.0	4/09/13 10:53	4/11/13 15:54	EPA 6010
7440-23-5	Sodium	8500		ug/L	1000	4/09/13 10:53	4/10/13 17:51	EPA 6010
7440-24-6	Strontium	14		ug/L	5.0	4/09/13 10:53	4/10/13 17:51	EPA 6010
7440-28-0	Thallium	1.0	U	ug/L	1.0	4/09/13 10:56	4/24/13 18:55	EPA 200.8
7440-31-5	Tin	15	U	ug/L	15	4/09/13 10:53	4/10/13 17:51	EPA 6010
7440-32-6	Titanium	9.1		ug/L	5.0	4/09/13 10:53	4/10/13 17:51	EPA 6010
7440-62-2	Vanadium	5.0	U	ug/L	5.0	4/09/13 10:53	4/10/13 17:51	EPA 6010
7440-65-5	Yttrium	3.0	U	ug/L	3.0	4/09/13 10:53	4/10/13 17:51	EPA 6010
7440-66-6	Zinc	10	U	ug/L	10	4/09/13 10:53	4/10/13 17:51	EPA 6010

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D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Terri White

Total Metals

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-004-SD
Station ID: GML004
Lab ID: E131406-08
Matrix: Sediment
Date Collected: 4/3/13 11:45

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7439-97-6	Mercury	0.12		mg/kg dry	0.020	4/19/13 9:42	4/19/13 15:48	EPA 7473
7429-90-5	Aluminum	3500		mg/kg dry	9.8	4/11/13 12:40	4/18/13 13:25	EPA 6010
7440-36-0	Antimony	0.25	U	mg/kg dry	0.25	4/11/13 12:44	4/26/13 17:15	EPA 200.8
7440-38-2	Arsenic	0.58		mg/kg dry	0.25	4/11/13 12:44	4/26/13 17:15	EPA 200.8
7440-39-3	Barium	44		mg/kg dry	0.49	4/11/13 12:40	4/18/13 13:25	EPA 6010
7440-41-7	Beryllium	0.29	U	mg/kg dry	0.29	4/11/13 12:40	4/18/13 13:25	EPA 6010
7440-43-9	Cadmium	0.13		mg/kg dry	0.12	4/11/13 12:44	4/26/13 17:15	EPA 200.8
7440-70-2	Calcium	710		mg/kg dry	25	4/11/13 12:40	4/18/13 13:25	EPA 6010
7440-47-3	Chromium	26		mg/kg dry	0.49	4/11/13 12:40	4/18/13 13:25	EPA 6010
7440-48-4	Cobalt	0.97		mg/kg dry	0.49	4/11/13 12:40	4/18/13 13:25	EPA 6010
7440-50-8	Copper	3.1		mg/kg dry	0.98	4/11/13 12:40	4/18/13 13:25	EPA 6010
7439-89-6	Iron	2700		mg/kg dry	9.8	4/11/13 12:40	4/18/13 13:25	EPA 6010
7439-92-1	Lead	25		mg/kg dry	0.25	4/11/13 12:44	4/26/13 17:15	EPA 200.8
7439-95-4	Magnesium	180		mg/kg dry	25	4/11/13 12:40	4/18/13 13:25	EPA 6010
7439-96-5	Manganese	15		mg/kg dry	0.49	4/11/13 12:40	4/18/13 13:25	EPA 6010
7439-98-7	Molybdenum	0.98	U	mg/kg dry	0.98	4/11/13 12:40	4/18/13 13:25	EPA 6010
7440-02-0	Nickel	1.7		mg/kg dry	0.98	4/11/13 12:40	4/18/13 13:25	EPA 6010
7440-09-7	Potassium	260		mg/kg dry	98	4/11/13 12:40	4/18/13 13:25	EPA 6010
7782-49-2	Selenium	0.49	U	mg/kg dry	0.49	4/11/13 12:44	4/26/13 17:15	EPA 200.8
7440-22-4	Silver	0.49	U	mg/kg dry	0.49	4/11/13 12:40	4/18/13 13:25	EPA 6010
7440-23-5	Sodium	98	U	mg/kg dry	98	4/11/13 12:40	4/18/13 13:25	EPA 6010
7440-24-6	Strontium	6.6		mg/kg dry	0.49	4/11/13 12:40	4/18/13 13:25	EPA 6010
7440-28-0	Thallium	0.25	U	mg/kg dry	0.25	4/11/13 12:44	4/26/13 17:15	EPA 200.8
7440-31-5	Tin	1.5	U	mg/kg dry	1.5	4/11/13 12:40	4/18/13 13:25	EPA 6010
7440-32-6	Titanium	11		mg/kg dry	0.49	4/11/13 12:40	4/18/13 13:25	EPA 6010
7440-62-2	Vanadium	4.3		mg/kg dry	0.49	4/11/13 12:40	4/18/13 13:25	EPA 6010
7440-65-5	Yttrium	3.0		mg/kg dry	0.29	4/11/13 12:40	4/18/13 13:25	EPA 6010
7440-66-6	Zinc	12		mg/kg dry	0.98	4/11/13 12:40	4/18/13 13:25	EPA 6010

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
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980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Terri White

Physical Properties

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-004-SD
Station ID: GML004
Lab ID: E131406-08
Matrix: Sediment

Date Collected: 4/3/13 11:45

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1642941	% Solids	45		%	0.0	4/08/13 16:23	4/10/13 11:10	EPA 200.2

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
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D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Terri White

Total Metals

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-004-SW
Station ID: GML004
Lab ID: E131406-09
Matrix: Surface Water

Date Collected: 4/3/13 11:40

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7439-97-6	Mercury	0.10	U	ug/L	0.10	4/22/13 8:35	4/22/13 14:25	EPA 245.1
7429-90-5	Aluminum	270		ug/L	100	4/09/13 10:53	4/10/13 17:57	EPA 6010
7440-36-0	Antimony	1.0	U	ug/L	1.0	4/09/13 10:56	4/24/13 19:00	EPA 200.8
7440-38-2	Arsenic	1.0	U	ug/L	1.0	4/09/13 10:56	4/24/13 19:00	EPA 200.8
7440-39-3	Barium	18		ug/L	5.0	4/09/13 10:53	4/10/13 17:57	EPA 6010
7440-41-7	Beryllium	3.0	U	ug/L	3.0	4/09/13 10:53	4/10/13 17:57	EPA 6010
7440-43-9	Cadmium	0.50	U	ug/L	0.50	4/09/13 10:56	4/24/13 19:00	EPA 200.8
7440-70-2	Calcium	3400		ug/L	250	4/09/13 10:53	4/10/13 17:57	EPA 6010
7440-47-3	Chromium	5.0	U	ug/L	5.0	4/09/13 10:53	4/10/13 17:57	EPA 6010
7440-48-4	Cobalt	5.0	U	ug/L	5.0	4/09/13 10:53	4/10/13 17:57	EPA 6010
7440-50-8	Copper	10	U	ug/L	10	4/09/13 10:53	4/10/13 17:57	EPA 6010
7439-89-6	Iron	480		ug/L	100	4/09/13 10:53	4/10/13 17:57	EPA 6010
7439-92-1	Lead	6.0	U, B-4	ug/L	6.0	4/09/13 10:56	4/24/13 19:00	EPA 200.8
7439-95-4	Magnesium	860		ug/L	250	4/09/13 10:53	4/10/13 17:57	EPA 6010
7439-96-5	Manganese	27		ug/L	5.0	4/09/13 10:53	4/10/13 17:57	EPA 6010
7439-98-7	Molybdenum	10	U	ug/L	10	4/09/13 10:53	4/10/13 17:57	EPA 6010
7440-02-0	Nickel	10	U	ug/L	10	4/09/13 10:53	4/10/13 17:57	EPA 6010
7440-09-7	Potassium	1100		ug/L	1000	4/09/13 10:53	4/10/13 17:57	EPA 6010
7782-49-2	Selenium	2.0	U	ug/L	2.0	4/09/13 10:56	4/24/13 19:00	EPA 200.8
7440-22-4	Silver	5.0	U	ug/L	5.0	4/09/13 10:53	4/11/13 15:59	EPA 6010
7440-23-5	Sodium	5700		ug/L	1000	4/09/13 10:53	4/10/13 17:57	EPA 6010
7440-24-6	Strontium	13		ug/L	5.0	4/09/13 10:53	4/10/13 17:57	EPA 6010
7440-28-0	Thallium	1.0	U	ug/L	1.0	4/09/13 10:56	4/24/13 19:00	EPA 200.8
7440-31-5	Tin	15	U	ug/L	15	4/09/13 10:53	4/10/13 17:57	EPA 6010
7440-32-6	Titanium	5.0	U	ug/L	5.0	4/09/13 10:53	4/10/13 17:57	EPA 6010
7440-62-2	Vanadium	5.0	U	ug/L	5.0	4/09/13 10:53	4/10/13 17:57	EPA 6010
7440-65-5	Yttrium	3.0	U	ug/L	3.0	4/09/13 10:53	4/10/13 17:57	EPA 6010
7440-66-6	Zinc	10	U	ug/L	10	4/09/13 10:53	4/10/13 17:57	EPA 6010

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980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Terri White

Total Metals

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-005-SD
Station ID: GML005
Lab ID: E131406-10
Matrix: Sediment

Date Collected: 4/3/13 13:31

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7439-97-6	Mercury	0.019	U	mg/kg dry	0.019	4/19/13 9:42	4/19/13 15:48	EPA 7473
7429-90-5	Aluminum	4200		mg/kg dry	9.8	4/11/13 12:40	4/18/13 13:30	EPA 6010
7440-36-0	Antimony	0.25	U	mg/kg dry	0.25	4/11/13 12:44	4/26/13 17:20	EPA 200.8
7440-38-2	Arsenic	1.3		mg/kg dry	0.25	4/11/13 12:44	4/26/13 17:20	EPA 200.8
7440-39-3	Barium	41		mg/kg dry	0.49	4/11/13 12:40	4/18/13 13:30	EPA 6010
7440-41-7	Beryllium	0.30	U	mg/kg dry	0.30	4/11/13 12:40	4/18/13 13:30	EPA 6010
7440-43-9	Cadmium	0.12	U	mg/kg dry	0.12	4/11/13 12:44	4/26/13 17:20	EPA 200.8
7440-70-2	Calcium	180		mg/kg dry	25	4/11/13 12:40	4/18/13 13:30	EPA 6010
7440-47-3	Chromium	3.0		mg/kg dry	0.49	4/11/13 12:40	4/18/13 13:30	EPA 6010
7440-48-4	Cobalt	0.49	U	mg/kg dry	0.49	4/11/13 12:40	4/18/13 13:30	EPA 6010
7440-50-8	Copper	2.5		mg/kg dry	0.98	4/11/13 12:40	4/18/13 13:30	EPA 6010
7439-89-6	Iron	2200		mg/kg dry	9.8	4/11/13 12:40	4/18/13 13:30	EPA 6010
7439-92-1	Lead	4.8		mg/kg dry	0.25	4/11/13 12:44	4/26/13 17:20	EPA 200.8
7439-95-4	Magnesium	130		mg/kg dry	25	4/11/13 12:40	4/18/13 13:30	EPA 6010
7439-96-5	Manganese	19		mg/kg dry	0.49	4/11/13 12:40	4/18/13 13:30	EPA 6010
7439-98-7	Molybdenum	0.98	U	mg/kg dry	0.98	4/11/13 12:40	4/18/13 13:30	EPA 6010
7440-02-0	Nickel	2.1		mg/kg dry	0.98	4/11/13 12:40	4/18/13 13:30	EPA 6010
7440-09-7	Potassium	98	U	mg/kg dry	98	4/11/13 12:40	4/18/13 13:30	EPA 6010
7782-49-2	Selenium	0.49	U	mg/kg dry	0.49	4/11/13 12:44	4/26/13 17:20	EPA 200.8
7440-22-4	Silver	0.49	U	mg/kg dry	0.49	4/11/13 12:40	4/18/13 13:30	EPA 6010
7440-23-5	Sodium	98	U	mg/kg dry	98	4/11/13 12:40	4/18/13 13:30	EPA 6010
7440-24-6	Strontium	6.1		mg/kg dry	0.49	4/11/13 12:40	4/18/13 13:30	EPA 6010
7440-28-0	Thallium	0.25	U	mg/kg dry	0.25	4/11/13 12:44	4/26/13 17:20	EPA 200.8
7440-31-5	Tin	1.5	U	mg/kg dry	1.5	4/11/13 12:40	4/18/13 13:30	EPA 6010
7440-32-6	Titanium	35		mg/kg dry	0.49	4/11/13 12:40	4/18/13 13:30	EPA 6010
7440-62-2	Vanadium	3.9		mg/kg dry	0.49	4/11/13 12:40	4/18/13 13:30	EPA 6010
7440-65-5	Yttrium	1.7		mg/kg dry	0.30	4/11/13 12:40	4/18/13 13:30	EPA 6010
7440-66-6	Zinc	8.3		mg/kg dry	0.98	4/11/13 12:40	4/18/13 13:30	EPA 6010

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980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Terri White

Physical Properties

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-005-SD
Station ID: GML005
Lab ID: E131406-10
Matrix: Sediment

Date Collected: 4/3/13 13:31

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1642941	% Solids	78		%	0.0	4/08/13 16:23	4/10/13 11:10	EPA 200.2

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
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980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Terri White

Total Metals

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-005-SW
Station ID: GML005
Lab ID: E131406-11
Matrix: Surface Water

Date Collected: 4/3/13 13:25

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7439-97-6	Mercury	0.10	U	ug/L	0.10	4/22/13 8:35	4/22/13 14:25	EPA 245.1
7429-90-5	Aluminum	370		ug/L	100	4/09/13 10:53	4/10/13 18:02	EPA 6010
7440-36-0	Antimony	1.0	U	ug/L	1.0	4/09/13 10:56	4/24/13 19:04	EPA 200.8
7440-38-2	Arsenic	1.0	U	ug/L	1.0	4/09/13 10:56	4/24/13 19:04	EPA 200.8
7440-39-3	Barium	14		ug/L	5.0	4/09/13 10:53	4/10/13 18:02	EPA 6010
7440-41-7	Beryllium	3.0	U	ug/L	3.0	4/09/13 10:53	4/10/13 18:02	EPA 6010
7440-43-9	Cadmium	0.50	U	ug/L	0.50	4/09/13 10:56	4/24/13 19:04	EPA 200.8
7440-70-2	Calcium	5700		ug/L	250	4/09/13 10:53	4/10/13 18:02	EPA 6010
7440-47-3	Chromium	5.0	U	ug/L	5.0	4/09/13 10:53	4/10/13 18:02	EPA 6010
7440-48-4	Cobalt	5.0	U	ug/L	5.0	4/09/13 10:53	4/10/13 18:02	EPA 6010
7440-50-8	Copper	10	U	ug/L	10	4/09/13 10:53	4/10/13 18:02	EPA 6010
7439-89-6	Iron	390		ug/L	100	4/09/13 10:53	4/10/13 18:02	EPA 6010
7439-92-1	Lead	6.0	U, B-4	ug/L	6.0	4/09/13 10:56	4/24/13 19:04	EPA 200.8
7439-95-4	Magnesium	1900		ug/L	250	4/09/13 10:53	4/10/13 18:02	EPA 6010
7439-96-5	Manganese	46		ug/L	5.0	4/09/13 10:53	4/10/13 18:02	EPA 6010
7439-98-7	Molybdenum	10	U	ug/L	10	4/09/13 10:53	4/10/13 18:02	EPA 6010
7440-02-0	Nickel	10	U	ug/L	10	4/09/13 10:53	4/10/13 18:02	EPA 6010
7440-09-7	Potassium	1000	U	ug/L	1000	4/09/13 10:53	4/10/13 18:02	EPA 6010
7782-49-2	Selenium	2.0	U	ug/L	2.0	4/09/13 10:56	4/24/13 19:04	EPA 200.8
7440-22-4	Silver	5.0	U	ug/L	5.0	4/09/13 10:53	4/11/13 16:04	EPA 6010
7440-23-5	Sodium	8800		ug/L	1000	4/09/13 10:53	4/10/13 18:02	EPA 6010
7440-24-6	Strontium	23		ug/L	5.0	4/09/13 10:53	4/10/13 18:02	EPA 6010
7440-28-0	Thallium	1.0	U	ug/L	1.0	4/09/13 10:56	4/24/13 19:04	EPA 200.8
7440-31-5	Tin	15	U	ug/L	15	4/09/13 10:53	4/10/13 18:02	EPA 6010
7440-32-6	Titanium	8.8		ug/L	5.0	4/09/13 10:53	4/10/13 18:02	EPA 6010
7440-62-2	Vanadium	5.0	U	ug/L	5.0	4/09/13 10:53	4/10/13 18:02	EPA 6010
7440-65-5	Yttrium	3.0	U	ug/L	3.0	4/09/13 10:53	4/10/13 18:02	EPA 6010
7440-66-6	Zinc	15		ug/L	10	4/09/13 10:53	4/10/13 18:02	EPA 6010

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Terri White

Total Metals

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-006-SD
Station ID: GML006
Lab ID: E131406-12
Matrix: Sediment
Date Collected: 4/3/13 11:10

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7439-97-6	Mercury	0.028		mg/kg dry	0.018	4/19/13 9:42	4/19/13 15:48	EPA 7473
7429-90-5	Aluminum	4200		mg/kg dry	9.9	4/11/13 12:40	4/18/13 13:36	EPA 6010
7440-36-0	Antimony	0.25	U	mg/kg dry	0.25	4/11/13 12:44	4/26/13 17:25	EPA 200.8
7440-38-2	Arsenic	0.84		mg/kg dry	0.25	4/11/13 12:44	4/26/13 17:25	EPA 200.8
7440-39-3	Barium	9.7		mg/kg dry	0.50	4/11/13 12:40	4/18/13 13:36	EPA 6010
7440-41-7	Beryllium	0.30	U	mg/kg dry	0.30	4/11/13 12:40	4/18/13 13:36	EPA 6010
7440-43-9	Cadmium	0.12	U	mg/kg dry	0.12	4/11/13 12:44	4/26/13 17:25	EPA 200.8
7440-70-2	Calcium	180		mg/kg dry	25	4/11/13 12:40	4/18/13 13:36	EPA 6010
7440-47-3	Chromium	14		mg/kg dry	0.50	4/11/13 12:40	4/18/13 13:36	EPA 6010
7440-48-4	Cobalt	0.50	U	mg/kg dry	0.50	4/11/13 12:40	4/18/13 13:36	EPA 6010
7440-50-8	Copper	2.6		mg/kg dry	0.99	4/11/13 12:40	4/18/13 13:36	EPA 6010
7439-89-6	Iron	4500		mg/kg dry	9.9	4/11/13 12:40	4/18/13 13:36	EPA 6010
7439-92-1	Lead	3.7		mg/kg dry	0.25	4/11/13 12:44	4/26/13 17:25	EPA 200.8
7439-95-4	Magnesium	89		mg/kg dry	25	4/11/13 12:40	4/18/13 13:36	EPA 6010
7439-96-5	Manganese	11		mg/kg dry	0.50	4/11/13 12:40	4/18/13 13:36	EPA 6010
7439-98-7	Molybdenum	0.99	U	mg/kg dry	0.99	4/11/13 12:40	4/18/13 13:36	EPA 6010
7440-02-0	Nickel	1.2		mg/kg dry	0.99	4/11/13 12:40	4/18/13 13:36	EPA 6010
7440-09-7	Potassium	99	U	mg/kg dry	99	4/11/13 12:40	4/18/13 13:36	EPA 6010
7782-49-2	Selenium	0.50	U	mg/kg dry	0.50	4/11/13 12:44	4/26/13 17:25	EPA 200.8
7440-22-4	Silver	0.50	U	mg/kg dry	0.50	4/11/13 12:40	4/18/13 13:36	EPA 6010
7440-23-5	Sodium	99	U	mg/kg dry	99	4/11/13 12:40	4/18/13 13:36	EPA 6010
7440-24-6	Strontium	1.4		mg/kg dry	0.50	4/11/13 12:40	4/18/13 13:36	EPA 6010
7440-28-0	Thallium	0.25	U	mg/kg dry	0.25	4/11/13 12:44	4/26/13 17:25	EPA 200.8
7440-31-5	Tin	1.5	U	mg/kg dry	1.5	4/11/13 12:40	4/18/13 13:36	EPA 6010
7440-32-6	Titanium	25		mg/kg dry	0.50	4/11/13 12:40	4/18/13 13:36	EPA 6010
7440-62-2	Vanadium	14		mg/kg dry	0.50	4/11/13 12:40	4/18/13 13:36	EPA 6010
7440-65-5	Yttrium	1.2		mg/kg dry	0.30	4/11/13 12:40	4/18/13 13:36	EPA 6010
7440-66-6	Zinc	20		mg/kg dry	0.99	4/11/13 12:40	4/18/13 13:36	EPA 6010

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Terri White

Physical Properties

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-006-SD
Station ID: GML006
Lab ID: E131406-12
Matrix: Sediment

Date Collected: 4/3/13 11:10

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1642941	% Solids	74		%	0.0	4/08/13 16:23	4/10/13 11:10	EPA 200.2

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D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Terri White

Total Metals

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-006-SW
Station ID: GML006

Lab ID: E131406-13
Matrix: Surface Water

Date Collected: 4/3/13 11:05

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7439-97-6	Mercury	0.10	U	ug/L	0.10	4/22/13 8:35	4/22/13 14:25	EPA 245.1
7429-90-5	Aluminum	310		ug/L	100	4/09/13 10:53	4/10/13 18:07	EPA 6010
7440-36-0	Antimony	1.0	U	ug/L	1.0	4/09/13 10:56	4/24/13 19:09	EPA 200.8
7440-38-2	Arsenic	1.0	U	ug/L	1.0	4/09/13 10:56	4/24/13 19:09	EPA 200.8
7440-39-3	Barium	13		ug/L	5.0	4/09/13 10:53	4/10/13 18:07	EPA 6010
7440-41-7	Beryllium	3.0	U	ug/L	3.0	4/09/13 10:53	4/10/13 18:07	EPA 6010
7440-43-9	Cadmium	0.50	U	ug/L	0.50	4/09/13 10:56	4/24/13 19:09	EPA 200.8
7440-70-2	Calcium	14000		ug/L	250	4/09/13 10:53	4/10/13 18:07	EPA 6010
7440-47-3	Chromium	5.0	U	ug/L	5.0	4/09/13 10:53	4/10/13 18:07	EPA 6010
7440-48-4	Cobalt	5.0	U	ug/L	5.0	4/09/13 10:53	4/10/13 18:07	EPA 6010
7440-50-8	Copper	10	U	ug/L	10	4/09/13 10:53	4/10/13 18:07	EPA 6010
7439-89-6	Iron	4200		ug/L	100	4/09/13 10:53	4/10/13 18:07	EPA 6010
7439-92-1	Lead	6.0	U, B-4	ug/L	6.0	4/09/13 10:56	4/24/13 19:09	EPA 200.8
7439-95-4	Magnesium	980		ug/L	250	4/09/13 10:53	4/10/13 18:07	EPA 6010
7439-96-5	Manganese	230		ug/L	5.0	4/09/13 10:53	4/10/13 18:07	EPA 6010
7439-98-7	Molybdenum	10	U	ug/L	10	4/09/13 10:53	4/10/13 18:07	EPA 6010
7440-02-0	Nickel	10	U	ug/L	10	4/09/13 10:53	4/10/13 18:07	EPA 6010
7440-09-7	Potassium	1000	U	ug/L	1000	4/09/13 10:53	4/10/13 18:07	EPA 6010
7782-49-2	Selenium	2.0	U	ug/L	2.0	4/09/13 10:56	4/24/13 19:09	EPA 200.8
7440-22-4	Silver	5.0	U	ug/L	5.0	4/09/13 10:53	4/11/13 16:09	EPA 6010
7440-23-5	Sodium	3900		ug/L	1000	4/09/13 10:53	4/10/13 18:07	EPA 6010
7440-24-6	Strontium	30		ug/L	5.0	4/09/13 10:53	4/10/13 18:07	EPA 6010
7440-28-0	Thallium	1.0	U	ug/L	1.0	4/09/13 10:56	4/24/13 19:09	EPA 200.8
7440-31-5	Tin	15	U	ug/L	15	4/09/13 10:53	4/10/13 18:07	EPA 6010
7440-32-6	Titanium	5.8		ug/L	5.0	4/09/13 10:53	4/10/13 18:07	EPA 6010
7440-62-2	Vanadium	5.0	U	ug/L	5.0	4/09/13 10:53	4/10/13 18:07	EPA 6010
7440-65-5	Yttrium	3.0	U	ug/L	3.0	4/09/13 10:53	4/10/13 18:07	EPA 6010
7440-66-6	Zinc	12		ug/L	10	4/09/13 10:53	4/10/13 18:07	EPA 6010

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980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Terri White

Total Metals

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-007-SD
Station ID: GML007

Lab ID: E131406-14
Matrix: Sediment

Date Collected: 4/3/13 11:26

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7439-97-6	Mercury	0.020	U	mg/kg dry	0.020	4/19/13 9:42	4/19/13 15:48	EPA 7473
7429-90-5	Aluminum	1700		mg/kg dry	10	4/11/13 12:40	4/18/13 13:41	EPA 6010
7440-36-0	Antimony	0.25	U	mg/kg dry	0.25	4/11/13 12:44	4/26/13 17:29	EPA 200.8
7440-38-2	Arsenic	0.25	U	mg/kg dry	0.25	4/11/13 12:44	4/26/13 17:29	EPA 200.8
7440-39-3	Barium	4.6		mg/kg dry	0.50	4/11/13 12:40	4/18/13 13:41	EPA 6010
7440-41-7	Beryllium	0.30	U	mg/kg dry	0.30	4/11/13 12:40	4/18/13 13:41	EPA 6010
7440-43-9	Cadmium	0.12	U	mg/kg dry	0.12	4/11/13 12:44	4/26/13 17:29	EPA 200.8
7440-70-2	Calcium	120		mg/kg dry	25	4/11/13 12:40	4/18/13 13:41	EPA 6010
7440-47-3	Chromium	3.1		mg/kg dry	0.50	4/11/13 12:40	4/18/13 13:41	EPA 6010
7440-48-4	Cobalt	0.50	U	mg/kg dry	0.50	4/11/13 12:40	4/18/13 13:41	EPA 6010
7440-50-8	Copper	1.0	U	mg/kg dry	1.0	4/11/13 12:40	4/18/13 13:41	EPA 6010
7439-89-6	Iron	1100		mg/kg dry	10	4/11/13 12:40	4/18/13 13:41	EPA 6010
7439-92-1	Lead	1.3		mg/kg dry	0.25	4/11/13 12:44	4/26/13 17:29	EPA 200.8
7439-95-4	Magnesium	34		mg/kg dry	25	4/11/13 12:40	4/18/13 13:41	EPA 6010
7439-96-5	Manganese	7.6		mg/kg dry	0.50	4/11/13 12:40	4/18/13 13:41	EPA 6010
7439-98-7	Molybdenum	1.0	U	mg/kg dry	1.0	4/11/13 12:40	4/18/13 13:41	EPA 6010
7440-02-0	Nickel	1.0	U	mg/kg dry	1.0	4/11/13 12:40	4/18/13 13:41	EPA 6010
7440-09-7	Potassium	100	U	mg/kg dry	100	4/11/13 12:40	4/18/13 13:41	EPA 6010
7782-49-2	Selenium	0.50	U	mg/kg dry	0.50	4/11/13 12:44	4/26/13 17:29	EPA 200.8
7440-22-4	Silver	0.50	U	mg/kg dry	0.50	4/11/13 12:40	4/18/13 13:41	EPA 6010
7440-23-5	Sodium	100	U	mg/kg dry	100	4/11/13 12:40	4/18/13 13:41	EPA 6010
7440-24-6	Strontium	0.75		mg/kg dry	0.50	4/11/13 12:40	4/18/13 13:41	EPA 6010
7440-28-0	Thallium	0.25	U	mg/kg dry	0.25	4/11/13 12:44	4/26/13 17:29	EPA 200.8
7440-31-5	Tin	1.5	U	mg/kg dry	1.5	4/11/13 12:40	4/18/13 13:41	EPA 6010
7440-32-6	Titanium	13		mg/kg dry	0.50	4/11/13 12:40	4/18/13 13:41	EPA 6010
7440-62-2	Vanadium	3.6		mg/kg dry	0.50	4/11/13 12:40	4/18/13 13:41	EPA 6010
7440-65-5	Yttrium	0.62		mg/kg dry	0.30	4/11/13 12:40	4/18/13 13:41	EPA 6010
7440-66-6	Zinc	2.4		mg/kg dry	1.0	4/11/13 12:40	4/18/13 13:41	EPA 6010

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Terri White

Physical Properties

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-007-SD
Station ID: GML007
Lab ID: E131406-14
Matrix: Sediment

Date Collected: 4/3/13 11:26

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1642941	% Solids	80		%	0.0	4/08/13 16:23	4/10/13 11:10	EPA 200.2

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
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980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Terri White

Total Metals

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-007-SW
Station ID: GML007
Lab ID: E131406-15
Matrix: Surface Water

Date Collected: 4/3/13 11:21

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7439-97-6	Mercury	0.10	U	ug/L	0.10	4/22/13 8:35	4/22/13 14:25	EPA 245.1
7429-90-5	Aluminum	4800		ug/L	100	4/09/13 10:53	4/10/13 18:12	EPA 6010
7440-36-0	Antimony	1.0	U	ug/L	1.0	4/09/13 10:56	4/24/13 19:14	EPA 200.8
7440-38-2	Arsenic	1.2		ug/L	1.0	4/09/13 10:56	4/24/13 19:14	EPA 200.8
7440-39-3	Barium	10		ug/L	5.0	4/09/13 10:53	4/10/13 18:12	EPA 6010
7440-41-7	Beryllium	3.0	U	ug/L	3.0	4/09/13 10:53	4/10/13 18:12	EPA 6010
7440-43-9	Cadmium	0.50	U	ug/L	0.50	4/09/13 10:56	4/24/13 19:14	EPA 200.8
7440-70-2	Calcium	1700		ug/L	250	4/09/13 10:53	4/10/13 18:12	EPA 6010
7440-47-3	Chromium	7.2		ug/L	5.0	4/09/13 10:53	4/10/13 18:12	EPA 6010
7440-48-4	Cobalt	5.0	U	ug/L	5.0	4/09/13 10:53	4/10/13 18:12	EPA 6010
7440-50-8	Copper	10	U	ug/L	10	4/09/13 10:53	4/10/13 18:12	EPA 6010
7439-89-6	Iron	3300		ug/L	100	4/09/13 10:53	4/10/13 18:12	EPA 6010
7439-92-1	Lead	6.0	U, B-4	ug/L	6.0	4/09/13 10:56	4/24/13 19:14	EPA 200.8
7439-95-4	Magnesium	710		ug/L	250	4/09/13 10:53	4/10/13 18:12	EPA 6010
7439-96-5	Manganese	30		ug/L	5.0	4/09/13 10:53	4/10/13 18:12	EPA 6010
7439-98-7	Molybdenum	10	U	ug/L	10	4/09/13 10:53	4/10/13 18:12	EPA 6010
7440-02-0	Nickel	10	U	ug/L	10	4/09/13 10:53	4/10/13 18:12	EPA 6010
7440-09-7	Potassium	1700		ug/L	1000	4/09/13 10:53	4/10/13 18:12	EPA 6010
7782-49-2	Selenium	2.0	U	ug/L	2.0	4/09/13 10:56	4/24/13 19:14	EPA 200.8
7440-22-4	Silver	5.0	U	ug/L	5.0	4/09/13 10:53	4/11/13 16:14	EPA 6010
7440-23-5	Sodium	17000		ug/L	1000	4/09/13 10:53	4/10/13 18:12	EPA 6010
7440-24-6	Strontium	5.7		ug/L	5.0	4/09/13 10:53	4/10/13 18:12	EPA 6010
7440-28-0	Thallium	1.0	U	ug/L	1.0	4/09/13 10:56	4/24/13 19:14	EPA 200.8
7440-31-5	Tin	15	U	ug/L	15	4/09/13 10:53	4/10/13 18:12	EPA 6010
7440-32-6	Titanium	48		ug/L	5.0	4/09/13 10:53	4/10/13 18:12	EPA 6010
7440-62-2	Vanadium	9.4		ug/L	5.0	4/09/13 10:53	4/10/13 18:12	EPA 6010
7440-65-5	Yttrium	3.0	U	ug/L	3.0	4/09/13 10:53	4/10/13 18:12	EPA 6010
7440-66-6	Zinc	10		ug/L	10	4/09/13 10:53	4/10/13 18:12	EPA 6010

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Terri White

Total Metals

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-008-SF
Station ID: GML008
Lab ID: E131406-16
Matrix: Surface Soil
Date Collected: 4/3/13 12:30

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7439-97-6	Mercury	0.021		mg/kg dry	0.020	4/19/13 9:42	4/19/13 15:48	EPA 7473
7429-90-5	Aluminum	3700		mg/kg dry	9.9	4/11/13 12:40	4/18/13 14:36	EPA 6010
7440-36-0	Antimony	0.25	U	mg/kg dry	0.25	4/11/13 12:44	4/26/13 17:34	EPA 200.8
7440-38-2	Arsenic	0.80		mg/kg dry	0.25	4/11/13 12:44	4/26/13 17:34	EPA 200.8
7440-39-3	Barium	14		mg/kg dry	0.50	4/11/13 12:40	4/18/13 14:36	EPA 6010
7440-41-7	Beryllium	0.30	U	mg/kg dry	0.30	4/11/13 12:40	4/18/13 14:36	EPA 6010
7440-43-9	Cadmium	0.12	U	mg/kg dry	0.12	4/11/13 12:44	4/26/13 17:34	EPA 200.8
7440-70-2	Calcium	370		mg/kg dry	25	4/11/13 12:40	4/18/13 14:36	EPA 6010
7440-47-3	Chromium	2.6		mg/kg dry	0.50	4/11/13 12:40	4/18/13 14:36	EPA 6010
7440-48-4	Cobalt	0.50	U	mg/kg dry	0.50	4/11/13 12:40	4/18/13 14:36	EPA 6010
7440-50-8	Copper	1.5		mg/kg dry	0.99	4/11/13 12:40	4/18/13 14:36	EPA 6010
7439-89-6	Iron	2100		mg/kg dry	9.9	4/11/13 12:40	4/18/13 14:36	EPA 6010
7439-92-1	Lead	7.6		mg/kg dry	0.25	4/11/13 12:44	4/26/13 17:34	EPA 200.8
7439-95-4	Magnesium	130		mg/kg dry	25	4/11/13 12:40	4/18/13 14:36	EPA 6010
7439-96-5	Manganese	95		mg/kg dry	0.50	4/11/13 12:40	4/18/13 14:36	EPA 6010
7439-98-7	Molybdenum	0.99	U	mg/kg dry	0.99	4/11/13 12:40	4/18/13 14:36	EPA 6010
7440-02-0	Nickel	1.8		mg/kg dry	0.99	4/11/13 12:40	4/18/13 14:36	EPA 6010
7440-09-7	Potassium	100		mg/kg dry	99	4/11/13 12:40	4/18/13 14:36	EPA 6010
7782-49-2	Selenium	0.50	U	mg/kg dry	0.50	4/11/13 12:44	4/26/13 17:34	EPA 200.8
7440-22-4	Silver	0.50	U	mg/kg dry	0.50	4/11/13 12:40	4/18/13 14:36	EPA 6010
7440-23-5	Sodium	99	U	mg/kg dry	99	4/11/13 12:40	4/18/13 14:36	EPA 6010
7440-24-6	Strontium	1.9		mg/kg dry	0.50	4/11/13 12:40	4/18/13 14:36	EPA 6010
7440-28-0	Thallium	0.25	U	mg/kg dry	0.25	4/11/13 12:44	4/26/13 17:34	EPA 200.8
7440-31-5	Tin	1.5	U	mg/kg dry	1.5	4/11/13 12:40	4/18/13 14:36	EPA 6010
7440-32-6	Titanium	24		mg/kg dry	0.50	4/11/13 12:40	4/18/13 14:36	EPA 6010
7440-62-2	Vanadium	5.2		mg/kg dry	0.50	4/11/13 12:40	4/18/13 14:36	EPA 6010
7440-65-5	Yttrium	2.9		mg/kg dry	0.30	4/11/13 12:40	4/18/13 14:36	EPA 6010
7440-66-6	Zinc	7.8		mg/kg dry	0.99	4/11/13 12:40	4/18/13 14:36	EPA 6010

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Project: 13-0295, Greenwood Mills Liner Plt - Reported by Terri White

Physical Properties

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-008-SF
Station ID: GML008
Lab ID: E131406-16
Matrix: Surface Soil

Date Collected: 4/3/13 12:30

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1642941	% Solids	89		%	0.0	4/08/13 16:23	4/10/13 11:10	EPA 200.2

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Total Metals

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-009-SF
Station ID: GML009
Lab ID: E131406-17
Matrix: Surface Soil

Date Collected: 4/3/13 11:34

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7439-97-6	Mercury	2.7		mg/kg dry	0.20	4/23/13 8:19	4/23/13 11:46	EPA 7473
7429-90-5	Aluminum	5100		mg/kg dry	80	4/11/13 12:40	4/18/13 14:41	EPA 6010
7440-36-0	Antimony	5.0		mg/kg dry	1.0	4/11/13 12:44	4/26/13 17:39	EPA 200.8
7440-38-2	Arsenic	2.5		mg/kg dry	1.0	4/11/13 12:44	4/26/13 17:39	EPA 200.8
7440-39-3	Barium	390		mg/kg dry	4.0	4/11/13 12:40	4/18/13 14:41	EPA 6010
7440-41-7	Beryllium	2.4	U	mg/kg dry	2.4	4/11/13 12:40	4/18/13 14:41	EPA 6010
7440-43-9	Cadmium	6.0		mg/kg dry	0.50	4/11/13 12:44	4/26/13 17:39	EPA 200.8
7440-70-2	Calcium	9000		mg/kg dry	200	4/11/13 12:40	4/18/13 14:41	EPA 6010
7440-47-3	Chromium	6300		mg/kg dry	4.0	4/11/13 12:40	4/18/13 14:41	EPA 6010
7440-48-4	Cobalt	4.0	U	mg/kg dry	4.0	4/11/13 12:40	4/18/13 14:41	EPA 6010
7440-50-8	Copper	180		mg/kg dry	8.0	4/11/13 12:40	4/18/13 14:41	EPA 6010
7439-89-6	Iron	13000		mg/kg dry	80	4/11/13 12:40	4/18/13 14:41	EPA 6010
7439-92-1	Lead	120		mg/kg dry	1.0	4/11/13 12:44	4/26/13 17:39	EPA 200.8
7439-95-4	Magnesium	2400		mg/kg dry	200	4/11/13 12:40	4/18/13 14:41	EPA 6010
7439-96-5	Manganese	510		mg/kg dry	4.0	4/11/13 12:40	4/18/13 14:41	EPA 6010
7439-98-7	Molybdenum	8.0	U	mg/kg dry	8.0	4/11/13 12:40	4/18/13 14:41	EPA 6010
7440-02-0	Nickel	28		mg/kg dry	8.0	4/11/13 12:40	4/18/13 14:41	EPA 6010
7440-09-7	Potassium	800	U	mg/kg dry	800	4/11/13 12:40	4/18/13 14:41	EPA 6010
7782-49-2	Selenium	2.5		mg/kg dry	2.0	4/11/13 12:44	4/26/13 17:39	EPA 200.8
7440-22-4	Silver	4.0	U	mg/kg dry	4.0	4/11/13 12:40	4/18/13 14:41	EPA 6010
7440-23-5	Sodium	800	U	mg/kg dry	800	4/11/13 12:40	4/18/13 14:41	EPA 6010
7440-24-6	Strontium	100		mg/kg dry	4.0	4/11/13 12:40	4/18/13 14:41	EPA 6010
7440-28-0	Thallium	1.0	U	mg/kg dry	1.0	4/11/13 12:44	4/26/13 17:39	EPA 200.8
7440-31-5	Tin	13		mg/kg dry	12	4/11/13 12:40	4/18/13 14:41	EPA 6010
7440-32-6	Titanium	37		mg/kg dry	4.0	4/11/13 12:40	4/18/13 14:41	EPA 6010
7440-62-2	Vanadium	32		mg/kg dry	4.0	4/11/13 12:40	4/18/13 14:41	EPA 6010
7440-65-5	Yttrium	2.4	U	mg/kg dry	2.4	4/11/13 12:40	4/18/13 14:41	EPA 6010
7440-66-6	Zinc	4800		mg/kg dry	8.0	4/11/13 12:40	4/18/13 14:41	EPA 6010

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Project: 13-0295, Greenwood Mills Liner Plt - Reported by Terri White

Physical Properties

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-009-SF
Station ID: GML009
Lab ID: E131406-17
Matrix: Surface Soil

Date Collected: 4/3/13 11:34

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1642941	% Solids	51		%	0.0	4/08/13 16:23	4/10/13 11:10	EPA 200.2

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Total Metals

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-010-SF
Station ID: GML010
Lab ID: E131406-18
Matrix: Surface Soil

Date Collected: 4/3/13 11:45

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7439-97-6	Mercury	3.1		mg/kg dry	0.20	4/23/13 8:19	4/23/13 11:46	EPA 7473
7429-90-5	Aluminum	2300		mg/kg dry	20	4/11/13 12:40	4/18/13 14:58	EPA 6010
7440-36-0	Antimony	72		mg/kg dry	0.99	4/11/13 12:44	4/26/13 17:43	EPA 200.8
7440-38-2	Arsenic	5.8		mg/kg dry	0.99	4/11/13 12:44	4/26/13 17:43	EPA 200.8
7440-39-3	Barium	160		mg/kg dry	0.99	4/11/13 12:40	4/18/13 14:58	EPA 6010
7440-41-7	Beryllium	0.59	U	mg/kg dry	0.59	4/11/13 12:40	4/18/13 14:58	EPA 6010
7440-43-9	Cadmium	1.2		mg/kg dry	0.49	4/11/13 12:44	4/26/13 17:43	EPA 200.8
7440-70-2	Calcium	570		mg/kg dry	49	4/11/13 12:40	4/18/13 14:58	EPA 6010
7440-47-3	Chromium	1900		mg/kg dry	0.99	4/11/13 12:40	4/18/13 14:58	EPA 6010
7440-48-4	Cobalt	1.3		mg/kg dry	0.99	4/11/13 12:40	4/18/13 14:58	EPA 6010
7440-50-8	Copper	220		mg/kg dry	2.0	4/11/13 12:40	4/18/13 14:58	EPA 6010
7439-89-6	Iron	6600		mg/kg dry	20	4/11/13 12:40	4/18/13 14:58	EPA 6010
7439-92-1	Lead	84		mg/kg dry	0.99	4/11/13 12:44	4/26/13 17:43	EPA 200.8
7439-95-4	Magnesium	360		mg/kg dry	49	4/11/13 12:40	4/18/13 14:58	EPA 6010
7439-96-5	Manganese	18		mg/kg dry	0.99	4/11/13 12:40	4/18/13 14:58	EPA 6010
7439-98-7	Molybdenum	2.4		mg/kg dry	2.0	4/11/13 12:40	4/18/13 14:58	EPA 6010
7440-02-0	Nickel	39		mg/kg dry	2.0	4/11/13 12:40	4/18/13 14:58	EPA 6010
7440-09-7	Potassium	200	U	mg/kg dry	200	4/11/13 12:40	4/18/13 14:58	EPA 6010
7782-49-2	Selenium	2.0	U	mg/kg dry	2.0	4/11/13 12:44	4/26/13 17:43	EPA 200.8
7440-22-4	Silver	0.99	U	mg/kg dry	0.99	4/11/13 12:40	4/18/13 14:58	EPA 6010
7440-23-5	Sodium	200	U	mg/kg dry	200	4/11/13 12:40	4/18/13 14:58	EPA 6010
7440-24-6	Strontium	7.7		mg/kg dry	0.99	4/11/13 12:40	4/18/13 14:58	EPA 6010
7440-28-0	Thallium	0.99	U	mg/kg dry	0.99	4/11/13 12:44	4/26/13 17:43	EPA 200.8
7440-31-5	Tin	25		mg/kg dry	3.0	4/11/13 12:40	4/18/13 14:58	EPA 6010
7440-32-6	Titanium	69		mg/kg dry	0.99	4/11/13 12:40	4/18/13 14:58	EPA 6010
7440-62-2	Vanadium	330		mg/kg dry	0.99	4/11/13 12:40	4/18/13 14:58	EPA 6010
7440-65-5	Yttrium	1.9		mg/kg dry	0.59	4/11/13 12:40	4/18/13 14:58	EPA 6010
7440-66-6	Zinc	110		mg/kg dry	2.0	4/11/13 12:40	4/18/13 14:58	EPA 6010

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Project: 13-0295, Greenwood Mills Liner Plt - Reported by Terri White

Physical Properties

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-010-SF
Station ID: GML010
Lab ID: E131406-18
Matrix: Surface Soil

Date Collected: 4/3/13 11:45

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1642941	% Solids	90		%	0.0	4/08/13 16:23	4/10/13 11:10	EPA 200.2

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Total Metals

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-011-SF
Station ID: GML011
Lab ID: E131406-19
Matrix: Surface Soil
Date Collected: 4/3/13 12:08

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7439-97-6	Mercury	0.020	U	mg/kg dry	0.020	4/23/13 8:19	4/23/13 11:46	EPA 7473
7429-90-5	Aluminum	2500		mg/kg dry	9.9	4/11/13 12:40	4/18/13 15:06	EPA 6010
7440-36-0	Antimony	0.25		mg/kg dry	0.25	4/11/13 12:44	4/26/13 18:02	EPA 200.8
7440-38-2	Arsenic	0.55		mg/kg dry	0.25	4/11/13 12:44	4/26/13 18:02	EPA 200.8
7440-39-3	Barium	11		mg/kg dry	0.49	4/11/13 12:40	4/18/13 15:06	EPA 6010
7440-41-7	Beryllium	0.30	U	mg/kg dry	0.30	4/11/13 12:40	4/18/13 15:06	EPA 6010
7440-43-9	Cadmium	0.14		mg/kg dry	0.12	4/11/13 12:44	4/26/13 18:02	EPA 200.8
7440-70-2	Calcium	77		mg/kg dry	25	4/11/13 12:40	4/18/13 15:06	EPA 6010
7440-47-3	Chromium	380		mg/kg dry	0.49	4/11/13 12:40	4/18/13 15:06	EPA 6010
7440-48-4	Cobalt	0.49	U	mg/kg dry	0.49	4/11/13 12:40	4/18/13 15:06	EPA 6010
7440-50-8	Copper	3.6		mg/kg dry	0.99	4/11/13 12:40	4/18/13 15:06	EPA 6010
7439-89-6	Iron	3700		mg/kg dry	9.9	4/11/13 12:40	4/18/13 15:06	EPA 6010
7439-92-1	Lead	3.5		mg/kg dry	0.25	4/11/13 12:44	4/26/13 18:02	EPA 200.8
7439-95-4	Magnesium	66		mg/kg dry	25	4/11/13 12:40	4/18/13 15:06	EPA 6010
7439-96-5	Manganese	3.5		mg/kg dry	0.49	4/11/13 12:40	4/18/13 15:06	EPA 6010
7439-98-7	Molybdenum	0.99	U	mg/kg dry	0.99	4/11/13 12:40	4/18/13 15:06	EPA 6010
7440-02-0	Nickel	1.1		mg/kg dry	0.99	4/11/13 12:40	4/18/13 15:06	EPA 6010
7440-09-7	Potassium	99	U	mg/kg dry	99	4/11/13 12:40	4/18/13 15:06	EPA 6010
7782-49-2	Selenium	0.49	U	mg/kg dry	0.49	4/11/13 12:44	4/26/13 18:02	EPA 200.8
7440-22-4	Silver	0.49	U	mg/kg dry	0.49	4/11/13 12:40	4/18/13 15:06	EPA 6010
7440-23-5	Sodium	99	U	mg/kg dry	99	4/11/13 12:40	4/18/13 15:06	EPA 6010
7440-24-6	Strontium	1.7		mg/kg dry	0.49	4/11/13 12:40	4/18/13 15:06	EPA 6010
7440-28-0	Thallium	0.25	U	mg/kg dry	0.25	4/11/13 12:44	4/26/13 18:02	EPA 200.8
7440-31-5	Tin	1.5	U	mg/kg dry	1.5	4/11/13 12:40	4/18/13 15:06	EPA 6010
7440-32-6	Titanium	18		mg/kg dry	0.49	4/11/13 12:40	4/18/13 15:06	EPA 6010
7440-62-2	Vanadium	14		mg/kg dry	0.49	4/11/13 12:40	4/18/13 15:06	EPA 6010
7440-65-5	Yttrium	0.43		mg/kg dry	0.30	4/11/13 12:40	4/18/13 15:06	EPA 6010
7440-66-6	Zinc	17		mg/kg dry	0.99	4/11/13 12:40	4/18/13 15:06	EPA 6010

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Physical Properties

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-011-SF
Station ID: GML011
Lab ID: E131406-19
Matrix: Surface Soil

Date Collected: 4/3/13 12:08

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1642941	% Solids	92		%	0.0	4/08/13 16:23	4/10/13 11:10	EPA 200.2

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Total Metals

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-012-SF
Station ID: GML012
Lab ID: E131406-20
Matrix: Surface Soil
Date Collected: 4/3/13 12:15

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7439-97-6	Mercury	0.039		mg/kg dry	0.020	4/23/13 8:19	4/23/13 11:46	EPA 7473
7429-90-5	Aluminum	2900		mg/kg dry	10	4/11/13 12:40	4/18/13 15:15	EPA 6010
7440-36-0	Antimony	1.7		mg/kg dry	0.25	4/11/13 12:44	4/26/13 18:07	EPA 200.8
7440-38-2	Arsenic	1.1		mg/kg dry	0.25	4/11/13 12:44	4/26/13 18:07	EPA 200.8
7440-39-3	Barium	31		mg/kg dry	0.50	4/11/13 12:40	4/18/13 15:15	EPA 6010
7440-41-7	Beryllium	0.30	U	mg/kg dry	0.30	4/11/13 12:40	4/18/13 15:15	EPA 6010
7440-43-9	Cadmium	0.15		mg/kg dry	0.12	4/11/13 12:44	4/26/13 18:07	EPA 200.8
7440-70-2	Calcium	200		mg/kg dry	25	4/11/13 12:40	4/18/13 15:15	EPA 6010
7440-47-3	Chromium	350		mg/kg dry	0.50	4/11/13 12:40	4/18/13 15:15	EPA 6010
7440-48-4	Cobalt	0.50	U	mg/kg dry	0.50	4/11/13 12:40	4/18/13 15:15	EPA 6010
7440-50-8	Copper	25		mg/kg dry	1.0	4/11/13 12:40	4/18/13 15:15	EPA 6010
7439-89-6	Iron	3900		mg/kg dry	10	4/11/13 12:40	4/18/13 15:15	EPA 6010
7439-92-1	Lead	7.1		mg/kg dry	0.25	4/11/13 12:44	4/26/13 18:07	EPA 200.8
7439-95-4	Magnesium	93		mg/kg dry	25	4/11/13 12:40	4/18/13 15:15	EPA 6010
7439-96-5	Manganese	3.8		mg/kg dry	0.50	4/11/13 12:40	4/18/13 15:15	EPA 6010
7439-98-7	Molybdenum	1.0	U	mg/kg dry	1.0	4/11/13 12:40	4/18/13 15:15	EPA 6010
7440-02-0	Nickel	4.3		mg/kg dry	1.0	4/11/13 12:40	4/18/13 15:15	EPA 6010
7440-09-7	Potassium	100	U	mg/kg dry	100	4/11/13 12:40	4/18/13 15:15	EPA 6010
7782-49-2	Selenium	0.50	U	mg/kg dry	0.50	4/11/13 12:44	4/26/13 18:07	EPA 200.8
7440-22-4	Silver	0.50	U	mg/kg dry	0.50	4/11/13 12:40	4/18/13 15:15	EPA 6010
7440-23-5	Sodium	100	U	mg/kg dry	100	4/11/13 12:40	4/18/13 15:15	EPA 6010
7440-24-6	Strontium	3.3		mg/kg dry	0.50	4/11/13 12:40	4/18/13 15:15	EPA 6010
7440-28-0	Thallium	0.25	U	mg/kg dry	0.25	4/11/13 12:44	4/26/13 18:07	EPA 200.8
7440-31-5	Tin	2.1		mg/kg dry	1.5	4/11/13 12:40	4/18/13 15:15	EPA 6010
7440-32-6	Titanium	19		mg/kg dry	0.50	4/11/13 12:40	4/18/13 15:15	EPA 6010
7440-62-2	Vanadium	47		mg/kg dry	0.50	4/11/13 12:40	4/18/13 15:15	EPA 6010
7440-65-5	Yttrium	0.53		mg/kg dry	0.30	4/11/13 12:40	4/18/13 15:15	EPA 6010
7440-66-6	Zinc	42		mg/kg dry	1.0	4/11/13 12:40	4/18/13 15:15	EPA 6010

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Project: 13-0295, Greenwood Mills Liner Plt - Reported by Terri White

Physical Properties

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-012-SF
Station ID: GML012
Lab ID: E131406-20
Matrix: Surface Soil

Date Collected: 4/3/13 12:15

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1642941	% Solids	84		%	0.0	4/08/13 16:23	4/10/13 11:10	EPA 200.2

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Total Metals

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-013-SF
Station ID: GML013
Lab ID: E131406-21
Matrix: Surface Soil
Date Collected: 4/3/13 9:55

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7439-97-6	Mercury	0.23		mg/kg dry	0.020	4/23/13 8:19	4/23/13 11:46	EPA 7473
7429-90-5	Aluminum	5400		mg/kg dry	9.9	4/11/13 12:40	4/18/13 15:23	EPA 6010
7440-36-0	Antimony	3.6		mg/kg dry	0.25	4/11/13 12:44	4/26/13 18:12	EPA 200.8
7440-38-2	Arsenic	1.1		mg/kg dry	0.25	4/11/13 12:44	4/26/13 18:12	EPA 200.8
7440-39-3	Barium	36		mg/kg dry	0.50	4/11/13 12:40	4/18/13 15:23	EPA 6010
7440-41-7	Beryllium	0.30	U	mg/kg dry	0.30	4/11/13 12:40	4/18/13 15:23	EPA 6010
7440-43-9	Cadmium	0.30		mg/kg dry	0.12	4/11/13 12:44	4/26/13 18:12	EPA 200.8
7440-70-2	Calcium	310		mg/kg dry	25	4/11/13 12:40	4/18/13 15:23	EPA 6010
7440-47-3	Chromium	380		mg/kg dry	0.50	4/11/13 12:40	4/18/13 15:23	EPA 6010
7440-48-4	Cobalt	0.50	U	mg/kg dry	0.50	4/11/13 12:40	4/18/13 15:23	EPA 6010
7440-50-8	Copper	84		mg/kg dry	0.99	4/11/13 12:40	4/18/13 15:23	EPA 6010
7439-89-6	Iron	6000		mg/kg dry	9.9	4/11/13 12:40	4/18/13 15:23	EPA 6010
7439-92-1	Lead	9.8		mg/kg dry	0.25	4/11/13 12:44	4/26/13 18:12	EPA 200.8
7439-95-4	Magnesium	140		mg/kg dry	25	4/11/13 12:40	4/18/13 15:23	EPA 6010
7439-96-5	Manganese	21		mg/kg dry	0.50	4/11/13 12:40	4/18/13 15:23	EPA 6010
7439-98-7	Molybdenum	0.99	U	mg/kg dry	0.99	4/11/13 12:40	4/18/13 15:23	EPA 6010
7440-02-0	Nickel	5.8		mg/kg dry	0.99	4/11/13 12:40	4/18/13 15:23	EPA 6010
7440-09-7	Potassium	100		mg/kg dry	99	4/11/13 12:40	4/18/13 15:23	EPA 6010
7782-49-2	Selenium	0.50	U	mg/kg dry	0.50	4/11/13 12:44	4/26/13 18:12	EPA 200.8
7440-22-4	Silver	0.50	U	mg/kg dry	0.50	4/11/13 12:40	4/18/13 15:23	EPA 6010
7440-23-5	Sodium	99	U	mg/kg dry	99	4/11/13 12:40	4/18/13 15:23	EPA 6010
7440-24-6	Strontium	3.3		mg/kg dry	0.50	4/11/13 12:40	4/18/13 15:23	EPA 6010
7440-28-0	Thallium	0.25	U	mg/kg dry	0.25	4/11/13 12:44	4/26/13 18:12	EPA 200.8
7440-31-5	Tin	4.7		mg/kg dry	1.5	4/11/13 12:40	4/18/13 15:23	EPA 6010
7440-32-6	Titanium	40		mg/kg dry	0.50	4/11/13 12:40	4/18/13 15:23	EPA 6010
7440-62-2	Vanadium	26		mg/kg dry	0.50	4/11/13 12:40	4/18/13 15:23	EPA 6010
7440-65-5	Yttrium	1.7		mg/kg dry	0.30	4/11/13 12:40	4/18/13 15:23	EPA 6010
7440-66-6	Zinc	77		mg/kg dry	0.99	4/11/13 12:40	4/18/13 15:23	EPA 6010

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Project: 13-0295, Greenwood Mills Liner Plt - Reported by Terri White

Physical Properties

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-013-SF
Station ID: GML013
Lab ID: E131406-21
Matrix: Surface Soil

Date Collected: 4/3/13 9:55

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1642941	% Solids	95		%	0.0	4/08/13 16:23	4/10/13 11:10	EPA 200.2

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Total Metals

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-014-SF
Station ID: GML014
Lab ID: E131406-22
Matrix: Surface Soil
Date Collected: 4/3/13 10:10

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7439-97-6	Mercury	0.33		mg/kg dry	0.018	4/23/13 8:19	4/23/13 11:46	EPA 7473
7429-90-5	Aluminum	7000		mg/kg dry	10	4/11/13 12:40	4/18/13 15:32	EPA 6010
7440-36-0	Antimony	2.9		mg/kg dry	0.25	4/11/13 12:44	4/26/13 18:16	EPA 200.8
7440-38-2	Arsenic	0.51		mg/kg dry	0.25	4/11/13 12:44	4/26/13 18:16	EPA 200.8
7440-39-3	Barium	24		mg/kg dry	0.50	4/11/13 12:40	4/18/13 15:32	EPA 6010
7440-41-7	Beryllium	0.30	U	mg/kg dry	0.30	4/11/13 12:40	4/18/13 15:32	EPA 6010
7440-43-9	Cadmium	0.12	U	mg/kg dry	0.12	4/11/13 12:44	4/26/13 18:16	EPA 200.8
7440-70-2	Calcium	53		mg/kg dry	25	4/11/13 12:40	4/18/13 15:32	EPA 6010
7440-47-3	Chromium	35		mg/kg dry	0.50	4/11/13 12:40	4/18/13 15:32	EPA 6010
7440-48-4	Cobalt	0.50	U	mg/kg dry	0.50	4/11/13 12:40	4/18/13 15:32	EPA 6010
7440-50-8	Copper	84		mg/kg dry	1.0	4/11/13 12:40	4/18/13 15:32	EPA 6010
7439-89-6	Iron	5500		mg/kg dry	10	4/11/13 12:40	4/18/13 15:32	EPA 6010
7439-92-1	Lead	11		mg/kg dry	0.25	4/11/13 12:44	4/26/13 18:16	EPA 200.8
7439-95-4	Magnesium	110		mg/kg dry	25	4/11/13 12:40	4/18/13 15:32	EPA 6010
7439-96-5	Manganese	5.9		mg/kg dry	0.50	4/11/13 12:40	4/18/13 15:32	EPA 6010
7439-98-7	Molybdenum	1.0	U	mg/kg dry	1.0	4/11/13 12:40	4/18/13 15:32	EPA 6010
7440-02-0	Nickel	4.0		mg/kg dry	1.0	4/11/13 12:40	4/18/13 15:32	EPA 6010
7440-09-7	Potassium	100	U	mg/kg dry	100	4/11/13 12:40	4/18/13 15:32	EPA 6010
7782-49-2	Selenium	0.50	U	mg/kg dry	0.50	4/11/13 12:44	4/26/13 18:16	EPA 200.8
7440-22-4	Silver	0.50	U	mg/kg dry	0.50	4/11/13 12:40	4/18/13 15:32	EPA 6010
7440-23-5	Sodium	100	U	mg/kg dry	100	4/11/13 12:40	4/18/13 15:32	EPA 6010
7440-24-6	Strontium	1.4		mg/kg dry	0.50	4/11/13 12:40	4/18/13 15:32	EPA 6010
7440-28-0	Thallium	0.25	U	mg/kg dry	0.25	4/11/13 12:44	4/26/13 18:16	EPA 200.8
7440-31-5	Tin	3.8		mg/kg dry	1.5	4/11/13 12:40	4/18/13 15:32	EPA 6010
7440-32-6	Titanium	50		mg/kg dry	0.50	4/11/13 12:40	4/18/13 15:32	EPA 6010
7440-62-2	Vanadium	43		mg/kg dry	0.50	4/11/13 12:40	4/18/13 15:32	EPA 6010
7440-65-5	Yttrium	1.2		mg/kg dry	0.30	4/11/13 12:40	4/18/13 15:32	EPA 6010
7440-66-6	Zinc	13		mg/kg dry	1.0	4/11/13 12:40	4/18/13 15:32	EPA 6010

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Physical Properties

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-014-SF
Station ID: GML014
Lab ID: E131406-22
Matrix: Surface Soil

Date Collected: 4/3/13 10:10

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1642941	% Solids	86		%	0.0	4/08/13 16:23	4/10/13 11:10	EPA 200.2

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Total Metals

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-015-SF
Station ID: GML015
Lab ID: E131406-23
Matrix: Surface Soil
Date Collected: 4/3/13 10:25

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7439-97-6	Mercury	0.028		mg/kg dry	0.020	4/23/13 8:19	4/23/13 11:46	EPA 7473
7429-90-5	Aluminum	5400		mg/kg dry	9.9	4/11/13 12:40	4/18/13 15:40	EPA 6010
7440-36-0	Antimony	0.25	U	mg/kg dry	0.25	4/11/13 12:44	4/26/13 18:21	EPA 200.8
7440-38-2	Arsenic	1.0		mg/kg dry	0.25	4/11/13 12:44	4/26/13 18:21	EPA 200.8
7440-39-3	Barium	8.3		mg/kg dry	0.50	4/11/13 12:40	4/18/13 15:40	EPA 6010
7440-41-7	Beryllium	0.30	U	mg/kg dry	0.30	4/11/13 12:40	4/18/13 15:40	EPA 6010
7440-43-9	Cadmium	0.12	U	mg/kg dry	0.12	4/11/13 12:44	4/26/13 18:21	EPA 200.8
7440-70-2	Calcium	180		mg/kg dry	25	4/11/13 12:40	4/18/13 15:40	EPA 6010
7440-47-3	Chromium	18		mg/kg dry	0.50	4/11/13 12:40	4/18/13 15:40	EPA 6010
7440-48-4	Cobalt	0.50	U	mg/kg dry	0.50	4/11/13 12:40	4/18/13 15:40	EPA 6010
7440-50-8	Copper	2.4		mg/kg dry	0.99	4/11/13 12:40	4/18/13 15:40	EPA 6010
7439-89-6	Iron	6600		mg/kg dry	9.9	4/11/13 12:40	4/18/13 15:40	EPA 6010
7439-92-1	Lead	3.7		mg/kg dry	0.25	4/11/13 12:44	4/26/13 18:21	EPA 200.8
7439-95-4	Magnesium	94		mg/kg dry	25	4/11/13 12:40	4/18/13 15:40	EPA 6010
7439-96-5	Manganese	14		mg/kg dry	0.50	4/11/13 12:40	4/18/13 15:40	EPA 6010
7439-98-7	Molybdenum	0.99	U	mg/kg dry	0.99	4/11/13 12:40	4/18/13 15:40	EPA 6010
7440-02-0	Nickel	1.7		mg/kg dry	0.99	4/11/13 12:40	4/18/13 15:40	EPA 6010
7440-09-7	Potassium	99	U	mg/kg dry	99	4/11/13 12:40	4/18/13 15:40	EPA 6010
7782-49-2	Selenium	0.50	U	mg/kg dry	0.50	4/11/13 12:44	4/26/13 18:21	EPA 200.8
7440-22-4	Silver	0.50	U	mg/kg dry	0.50	4/11/13 12:40	4/18/13 15:40	EPA 6010
7440-23-5	Sodium	99	U	mg/kg dry	99	4/11/13 12:40	4/18/13 15:40	EPA 6010
7440-24-6	Strontium	1.7		mg/kg dry	0.50	4/11/13 12:40	4/18/13 15:40	EPA 6010
7440-28-0	Thallium	0.25	U	mg/kg dry	0.25	4/11/13 12:44	4/26/13 18:21	EPA 200.8
7440-31-5	Tin	1.5	U	mg/kg dry	1.5	4/11/13 12:40	4/18/13 15:40	EPA 6010
7440-32-6	Titanium	31		mg/kg dry	0.50	4/11/13 12:40	4/18/13 15:40	EPA 6010
7440-62-2	Vanadium	21		mg/kg dry	0.50	4/11/13 12:40	4/18/13 15:40	EPA 6010
7440-65-5	Yttrium	1.6		mg/kg dry	0.30	4/11/13 12:40	4/18/13 15:40	EPA 6010
7440-66-6	Zinc	8.0		mg/kg dry	0.99	4/11/13 12:40	4/18/13 15:40	EPA 6010

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Physical Properties

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-015-SF
Station ID: GML015
Lab ID: E131406-23
Matrix: Surface Soil

Date Collected: 4/3/13 10:25

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1642941	% Solids	92		%	0.0	4/08/13 16:23	4/10/13 11:10	EPA 200.2

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Total Metals

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-016-SF
Station ID: GML016
Lab ID: E131406-24
Matrix: Surface Soil
Date Collected: 4/3/13 12:42

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7439-97-6	Mercury	0.031		mg/kg dry	0.020	4/23/13 8:19	4/23/13 11:46	EPA 7473
7429-90-5	Aluminum	4300		mg/kg dry	250	4/11/13 12:40	4/18/13 16:29	EPA 6010
7440-36-0	Antimony	4.9	U, J, QM-1	mg/kg dry	4.9	4/11/13 12:44	4/26/13 18:26	EPA 200.8
7440-38-2	Arsenic	23		mg/kg dry	4.9	4/11/13 12:44	4/26/13 18:26	EPA 200.8
7440-39-3	Barium	210		mg/kg dry	12	4/11/13 12:40	4/18/13 16:29	EPA 6010
7440-41-7	Beryllium	7.4	U	mg/kg dry	7.4	4/11/13 12:40	4/18/13 16:29	EPA 6010
7440-43-9	Cadmium	2.5	U	mg/kg dry	2.5	4/11/13 12:44	4/26/13 18:26	EPA 200.8
7440-70-2	Calcium	4000		mg/kg dry	620	4/11/13 12:40	4/18/13 16:29	EPA 6010
7440-47-3	Chromium	120		mg/kg dry	12	4/11/13 12:40	4/18/13 16:29	EPA 6010
7440-48-4	Cobalt	32		mg/kg dry	12	4/11/13 12:40	4/18/13 16:29	EPA 6010
7440-50-8	Copper	67		mg/kg dry	25	4/11/13 12:40	4/18/13 16:29	EPA 6010
7439-89-6	Iron	110000		mg/kg dry	250	4/11/13 12:40	4/18/13 16:29	EPA 6010
7439-92-1	Lead	280	J, QM-1	mg/kg dry	4.9	4/11/13 12:44	4/26/13 18:26	EPA 200.8
7439-95-4	Magnesium	620	U	mg/kg dry	620	4/11/13 12:40	4/18/13 16:29	EPA 6010
7439-96-5	Manganese	510		mg/kg dry	12	4/11/13 12:40	4/18/13 16:29	EPA 6010
7439-98-7	Molybdenum	140		mg/kg dry	25	4/11/13 12:40	4/18/13 16:29	EPA 6010
7440-02-0	Nickel	5300		mg/kg dry	25	4/11/13 12:40	4/29/13 20:57	EPA 6010
7440-09-7	Potassium	2500	U	mg/kg dry	2500	4/11/13 12:40	4/18/13 16:29	EPA 6010
7782-49-2	Selenium	9.9	U, J, QM-1	mg/kg dry	9.9	4/11/13 12:44	4/26/13 18:26	EPA 200.8
7440-22-4	Silver	12	U	mg/kg dry	12	4/11/13 12:40	4/18/13 16:29	EPA 6010
7440-23-5	Sodium	8000		mg/kg dry	2500	4/11/13 12:40	4/18/13 16:29	EPA 6010
7440-24-6	Strontium	78		mg/kg dry	12	4/11/13 12:40	4/18/13 16:29	EPA 6010
7440-28-0	Thallium	4.9	U	mg/kg dry	4.9	4/11/13 12:44	4/26/13 18:26	EPA 200.8
7440-31-5	Tin	37	U	mg/kg dry	37	4/11/13 12:40	4/18/13 16:29	EPA 6010
7440-32-6	Titanium	220		mg/kg dry	12	4/11/13 12:40	4/18/13 16:29	EPA 6010
7440-62-2	Vanadium	43000		mg/kg dry	12	4/11/13 12:40	4/18/13 16:29	EPA 6010
7440-65-5	Yttrium	7.4	U	mg/kg dry	7.4	4/11/13 12:40	4/18/13 16:29	EPA 6010
7440-66-6	Zinc	400		mg/kg dry	25	4/11/13 12:40	4/18/13 16:29	EPA 6010

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Physical Properties

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-016-SF
Station ID: GML016
Lab ID: E131406-24
Matrix: Surface Soil

Date Collected: 4/3/13 12:42

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1642941	% Solids	80		%	0.0	4/08/13 16:23	4/10/13 11:10	EPA 200.2

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Total Metals

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-017-SF
Station ID: GML017
Lab ID: E131406-25
Matrix: Surface Soil
Date Collected: 4/3/13 12:56

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7439-97-6	Mercury	0.026		mg/kg dry	0.019	4/23/13 8:19	4/23/13 11:46	EPA 7473
7429-90-5	Aluminum	5500		mg/kg dry	10	4/11/13 12:40	4/18/13 16:55	EPA 6010
7440-36-0	Antimony	0.25	U	mg/kg dry	0.25	4/11/13 12:44	4/26/13 18:40	EPA 200.8
7440-38-2	Arsenic	2.2		mg/kg dry	0.25	4/11/13 12:44	4/26/13 18:40	EPA 200.8
7440-39-3	Barium	33		mg/kg dry	0.50	4/11/13 12:40	4/18/13 16:55	EPA 6010
7440-41-7	Beryllium	0.30	U	mg/kg dry	0.30	4/11/13 12:40	4/18/13 16:55	EPA 6010
7440-43-9	Cadmium	0.12	U	mg/kg dry	0.12	4/11/13 12:44	4/26/13 18:40	EPA 200.8
7440-70-2	Calcium	580		mg/kg dry	25	4/11/13 12:40	4/18/13 16:55	EPA 6010
7440-47-3	Chromium	4.8		mg/kg dry	0.50	4/11/13 12:40	4/18/13 16:55	EPA 6010
7440-48-4	Cobalt	0.69		mg/kg dry	0.50	4/11/13 12:40	4/18/13 16:55	EPA 6010
7440-50-8	Copper	6.7		mg/kg dry	1.0	4/11/13 12:40	4/18/13 16:55	EPA 6010
7439-89-6	Iron	4100		mg/kg dry	10	4/11/13 12:40	4/18/13 16:55	EPA 6010
7439-92-1	Lead	7.0		mg/kg dry	0.25	4/11/13 12:44	4/26/13 18:40	EPA 200.8
7439-95-4	Magnesium	190		mg/kg dry	25	4/11/13 12:40	4/18/13 16:55	EPA 6010
7439-96-5	Manganese	260		mg/kg dry	0.50	4/11/13 12:40	4/18/13 16:55	EPA 6010
7439-98-7	Molybdenum	1.0	U	mg/kg dry	1.0	4/11/13 12:40	4/18/13 16:55	EPA 6010
7440-02-0	Nickel	14		mg/kg dry	1.0	4/11/13 12:40	4/18/13 16:55	EPA 6010
7440-09-7	Potassium	100		mg/kg dry	100	4/11/13 12:40	4/18/13 16:55	EPA 6010
7782-49-2	Selenium	0.50	U	mg/kg dry	0.50	4/11/13 12:44	4/26/13 18:40	EPA 200.8
7440-22-4	Silver	0.50	U	mg/kg dry	0.50	4/11/13 12:40	4/18/13 16:55	EPA 6010
7440-23-5	Sodium	100	U	mg/kg dry	100	4/11/13 12:40	4/18/13 16:55	EPA 6010
7440-24-6	Strontium	6.7		mg/kg dry	0.50	4/11/13 12:40	4/18/13 16:55	EPA 6010
7440-28-0	Thallium	0.25	U	mg/kg dry	0.25	4/11/13 12:44	4/26/13 18:40	EPA 200.8
7440-31-5	Tin	1.5	U	mg/kg dry	1.5	4/11/13 12:40	4/18/13 16:55	EPA 6010
7440-32-6	Titanium	42		mg/kg dry	0.50	4/11/13 12:40	4/18/13 16:55	EPA 6010
7440-62-2	Vanadium	59		mg/kg dry	0.50	4/11/13 12:40	4/18/13 16:55	EPA 6010
7440-65-5	Yttrium	2.2		mg/kg dry	0.30	4/11/13 12:40	4/18/13 16:55	EPA 6010
7440-66-6	Zinc	21		mg/kg dry	1.0	4/11/13 12:40	4/18/13 16:55	EPA 6010

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Physical Properties

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-017-SF
Station ID: GML017
Lab ID: E131406-25
Matrix: Surface Soil

Date Collected: 4/3/13 12:56

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1642941	% Solids	87		%	0.0	4/08/13 16:23	4/10/13 11:10	EPA 200.2

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Total Metals (TMTL) - Quality Control

US-EPA, Region 4, SESD

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1304049 - M 200.2 Metals Water										
Blank (1304049-BLK1)				Prepared: 04/09/13 Analyzed: 04/10/13						
EPA 6010										
Barium	U	5.0	ug/L							U
Beryllium	U	3.0	"							U
Cobalt	U	5.0	"							U
Chromium	U	5.0	"							U
Copper	U	10	"							U
Molybdenum	U	10	"							U
Nickel	U	10	"							U
Tin	U	15	"							U
Strontium	U	5.0	"							U
Titanium	U	5.0	"							U
Vanadium	U	5.0	"							U
Yttrium	U	3.0	"							U
Zinc	U	10	"							U
Aluminum	U	100	"							U
Manganese	U	5.0	"							U
Calcium	U	250	"							U
Magnesium	U	250	"							U
Iron	U	100	"							U
Sodium	U	1000	"							U
Potassium	U	1000	"							U
Blank (1304049-BLK2)				Prepared: 04/09/13 Analyzed: 04/11/13						
EPA 6010										
Silver	U	5.0	ug/L							U
LCS (1304049-BS1)				Prepared: 04/09/13 Analyzed: 04/10/13						
EPA 6010										
Barium	193.92	5.0	ug/L	200.00		97.0	85-115			
Beryllium	50.732	3.0	"	50.000		101	85-115			
Cobalt	98.846	5.0	"	100.00		98.8	85-115			
Chromium	202.69	5.0	"	200.00		101	85-115			
Copper	100.07	10	"	100.00		100	85-115			
Molybdenum	103.13	10	"	100.00		103	85-115			
Nickel	201.22	10	"	200.00		101	85-115			
Tin	99.822	15	"	100.00		99.8	85-115			
Strontium	97.098	5.0	"	100.00		97.1	85-115			
Titanium	98.536	5.0	"	100.00		98.5	85-115			
Vanadium	103.04	5.0	"	100.00		103	85-115			

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Total Metals (TMTL) - Quality Control

US-EPA, Region 4, SESD

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1304049 - M 200.2 Metals Water										
LCS (1304049-BS1)				Prepared: 04/09/13 Analyzed: 04/10/13						
Yttrium	100.37	3.0	ug/L	100.00		100	85-115			
Zinc	205.84	10	"	200.00		103	85-115			
Aluminum	4929.5	100	"	5000.0		98.6	85-115			
Manganese	523.27	5.0	"	500.00		105	85-115			
Calcium	5169.2	250	"	5000.0		103	85-115			
Magnesium	5148.5	250	"	5000.0		103	85-115			
Iron	5272.7	100	"	5000.0		105	85-115			
Sodium	9998.7	1000	"	10000		100	85-115			
Potassium	9832.6	1000	"	10000		98.3	85-115			
LCS (1304049-BS2)				Prepared: 04/09/13 Analyzed: 04/11/13						
EPA 6010										
Silver	96.818	5.0	ug/L	100.00		96.8	85-115			
Matrix Spike (1304049-MS1)		**Source: E131406-03**		Prepared: 04/09/13 Analyzed: 04/10/13						
EPA 6010										
Barium	206.11	5.0	ug/L	200.00	17.920	94.1	75-125			
Beryllium	50.709	3.0	"	50.000	U	101	75-125			
Cobalt	99.010	5.0	"	100.00	0.56039	98.4	75-125			
Chromium	200.59	5.0	"	200.00	U	100	75-125			
Copper	101.45	10	"	100.00	U	101	75-125			
Molybdenum	102.86	10	"	100.00	U	103	75-125			
Nickel	199.07	10	"	200.00	1.4131	98.8	75-125			
Tin	98.651	15	"	100.00	U	98.7	75-125			
Strontium	107.78	5.0	"	100.00	13.075	94.7	75-125			
Titanium	103.26	5.0	"	100.00	3.6551	99.6	75-125			
Vanadium	103.58	5.0	"	100.00	U	104	75-125			
Yttrium	100.29	3.0	"	100.00	0.62071	99.7	75-125			
Zinc	209.56	10	"	200.00	6.9443	101	75-125			
Aluminum	5122.1	100	"	5000.0	329.67	95.8	75-125			
Manganese	549.39	5.0	"	500.00	23.560	105	75-125			
Calcium	8401.1	250	"	5000.0	3422.9	99.6	75-125			
Magnesium	5990.3	250	"	5000.0	870.92	102	75-125			
Iron	5787.3	100	"	5000.0	505.47	106	75-125			
Sodium	15348	1000	"	10000	5779.1	95.7	75-125			
Potassium	10720	1000	"	10000	1092.0	96.3	75-125			

Total Metals (TMTL) - Quality Control

US-EPA, Region 4, SESD

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1304049 - M 200.2 Metals Water										
Matrix Spike (1304049-MS2)		**Source: E131406-03**		Prepared: 04/09/13 Analyzed: 04/11/13						
EPA 6010										
Silver	95.372	5.0	ug/L	100.00	U	95.4	75-125			
Matrix Spike Dup (1304049-MSD1)		**Source: E131406-03**		Prepared: 04/09/13 Analyzed: 04/10/13						
EPA 6010										
Barium	208.86	5.0	ug/L	200.00	17.920	95.5	75-125	1.32	20	
Beryllium	50.397	3.0	"	50.000	U	101	75-125	0.618	20	
Cobalt	97.036	5.0	"	100.00	0.56039	96.5	75-125	2.01	20	
Chromium	196.35	5.0	"	200.00	U	98.2	75-125	2.14	20	
Copper	98.527	10	"	100.00	U	98.5	75-125	2.93	20	
Molybdenum	101.22	10	"	100.00	U	101	75-125	1.61	20	
Nickel	193.86	10	"	200.00	1.4131	96.2	75-125	2.65	20	
Tin	98.070	15	"	100.00	U	98.1	75-125	0.591	20	
Strontium	109.01	5.0	"	100.00	13.075	95.9	75-125	1.13	20	
Titanium	102.29	5.0	"	100.00	3.6551	98.6	75-125	0.944	20	
Vanadium	100.68	5.0	"	100.00	U	101	75-125	2.83	20	
Yttrium	99.760	3.0	"	100.00	0.62071	99.1	75-125	0.533	20	
Zinc	205.81	10	"	200.00	6.9443	99.4	75-125	1.81	20	
Aluminum	5171.6	100	"	5000.0	329.67	96.8	75-125	0.962	20	
Manganese	542.01	5.0	"	500.00	23.560	104	75-125	1.35	20	
Calcium	9043.9	250	"	5000.0	3422.9	112	75-125	7.37	20	
Magnesium	5929.0	250	"	5000.0	870.92	101	75-125	1.03	20	
Iron	5714.4	100	"	5000.0	505.47	104	75-125	1.27	20	
Sodium	15548	1000	"	10000	5779.1	97.7	75-125	1.29	20	
Potassium	10835	1000	"	10000	1092.0	97.4	75-125	1.07	20	
Matrix Spike Dup (1304049-MSD2)		**Source: E131406-03**		Prepared: 04/09/13 Analyzed: 04/11/13						
EPA 6010										
Silver	95.640	5.0	ug/L	100.00	U	95.6	75-125	0.280	20	
MRL Verification (1304049-PS1)				Prepared: 04/09/13 Analyzed: 04/10/13						
EPA 6010										
Barium	4.9284	5.0	ug/L	5.0000		98.6	70-130			MRL-2, U
Beryllium	3.1371	3.0	"	3.0000		105	70-130			MRL-2
Cobalt	5.3049	5.0	"	5.0000		106	70-130			MRL-2
Chromium	5.1386	5.0	"	5.0000		103	70-130			MRL-2
Copper	10.918	10	"	10.000		109	70-130			MRL-2
Molybdenum	10.223	10	"	10.000		102	70-130			MRL-2

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Total Metals (TMTL) - Quality Control

US-EPA, Region 4, SESD

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1304049 - M 200.2 Metals Water										
MRL Verification (1304049-PS1)				Prepared: 04/09/13 Analyzed: 04/10/13						
Nickel	10.193	10	ug/L	10.000		102	70-130			MRL-2
Tin	14.456	15	"	15.000		96.4	70-130			MRL-2, U
Strontium	4.7988	5.0	"	5.0000		96.0	70-130			MRL-2, U
Titanium	5.3000	5.0	"	5.0000		106	70-130			MRL-2
Vanadium	4.8197	5.0	"	5.0000		96.4	70-130			MRL-2, U
Yttrium	3.1545	3.0	"	3.0000		105	70-130			MRL-2
Zinc	11.388	10	"	10.000		114	70-130			MRL-2
Aluminum	95.546	100	"	100.00		95.5	70-130			MRL-2, U
Manganese	5.4715	5.0	"	5.0000		109	70-130			MRL-2
Calcium	274.34	250	"	250.00		110	70-130			MRL-2
Magnesium	262.11	250	"	250.00		105	70-130			MRL-2
Iron	106.24	100	"	100.00		106	70-130			MRL-2
Sodium	1008.8	1000	"	1000.0		101	70-130			MRL-2
Potassium	975.88	1000	"	1000.0		97.6	70-130			MRL-2, U
MRL Verification (1304049-PS2)				Prepared: 04/09/13 Analyzed: 04/11/13						
EPA 6010										
Silver	5.4444	5.0	ug/L	5.0000		109	70-130			MRL-2
Batch 1304050 - M 200.2 Metals Water										
Blank (1304050-BLK1)				Prepared: 04/09/13 Analyzed: 04/24/13						
EPA 200.8										
Beryllium	U	0.50	ug/L							U
Arsenic	U	1.0	"							U
Selenium	U	2.0	"							U
Cadmium	U	0.50	"							U
Antimony	U	1.0	"							U
Thallium	U	1.0	"							U
Lead	U	1.0	"							U

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Total Metals (TMTL) - Quality Control

US-EPA, Region 4, SESD

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1304050 - M 200.2 Metals Water										
LCS (1304050-BS1)				Prepared: 04/09/13 Analyzed: 04/24/13						
EPA 200.8										
Beryllium	50.039	2.5	ug/L	50.000		100	85-115			
Arsenic	202.18	5.0	"	200.00		101	85-115			
Selenium	206.47	10	"	200.00		103	85-115			
Cadmium	51.293	2.5	"	50.000		103	85-115			
Antimony	197.65	5.0	"	200.00		98.8	85-115			
Thallium	207.42	5.0	"	200.00		104	85-115			
Lead	202.05	5.0	"	200.00		101	85-115			
Matrix Spike (1304050-MS1)		**Source: E131406-03**		Prepared: 04/09/13 Analyzed: 04/24/13						
EPA 200.8										
Beryllium	50.614	2.5	ug/L	50.000	0.068644	101	70-130			
Arsenic	198.85	5.0	"	200.00	0.45892	99.2	70-130			
Selenium	204.66	10	"	200.00	U	102	70-130			
Cadmium	50.150	2.5	"	50.000	0.27309	99.8	70-130			
Antimony	194.10	5.0	"	200.00	0.050222	97.0	70-130			
Thallium	204.94	5.0	"	200.00	U	102	70-130			
Lead	201.91	5.0	"	200.00	5.2695	98.3	70-130			
Matrix Spike Dup (1304050-MSD1)		**Source: E131406-03**		Prepared: 04/09/13 Analyzed: 04/24/13						
EPA 200.8										
Beryllium	51.286	2.5	ug/L	50.000	0.068644	102	70-130	1.32	20	
Arsenic	201.46	5.0	"	200.00	0.45892	101	70-130	1.31	20	
Selenium	206.99	10	"	200.00	U	103	70-130	1.13	20	
Cadmium	50.535	2.5	"	50.000	0.27309	101	70-130	0.765	20	
Antimony	194.72	5.0	"	200.00	0.050222	97.3	70-130	0.319	20	
Thallium	205.14	5.0	"	200.00	U	103	70-130	0.0965	20	
Lead	200.00	5.0	"	200.00	5.2695	97.4	70-130	0.951	20	
MRL Verification (1304050-PS1)				Prepared: 04/09/13 Analyzed: 04/24/13						
EPA 200.8										
Beryllium	0.57741	0.50	ug/L	0.50000		115	65-135			MRL-2
Arsenic	0.86493	1.0	"	1.0000		86.5	65-135			MRL-2, U
Selenium	2.1135	2.0	"	2.0000		106	65-135			MRL-2
Cadmium	0.55930	0.50	"	0.50000		112	65-135			MRL-2
Antimony	0.50340	1.0	"	0.50000		101	65-135			MRL-2, U
Thallium	0.53192	1.0	"	0.50000		106	65-135			MRL-2, U

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Total Metals (TMTL) - Quality Control

US-EPA, Region 4, SESD

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1304050 - M 200.2 Metals Water										
MRL Verification (1304050-PS1)				Prepared: 04/09/13 Analyzed: 04/24/13						
Lead	1.0628	1.0	ug/L	1.0000		106	65-135			MRL-2
Batch 1304055 - M 200.2 Metals Soil										
Blank (1304055-BLK1)				Prepared: 04/11/13 Analyzed: 04/18/13						
EPA 6010										
Silver	U	0.50	mg/kg dry							U
Barium	U	0.50	"							U
Beryllium	U	0.30	"							U
Cobalt	U	0.50	"							U
Chromium	U	0.50	"							U
Copper	U	1.0	"							U
Molybdenum	U	1.0	"							U
Nickel	U	1.0	"							U
Tin	U	1.5	"							U
Strontium	U	0.50	"							U
Titanium	U	0.50	"							U
Vanadium	U	0.50	"							U
Yttrium	U	0.30	"							U
Zinc	U	1.0	"							U
Aluminum	U	10	"							U
Manganese	U	0.50	"							U
Calcium	U	25	"							U
Magnesium	U	25	"							U
Iron	U	10	"							U
Sodium	U	100	"							U
Potassium	U	100	"							U

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Total Metals (TMTL) - Quality Control

US-EPA, Region 4, SESD

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1304055 - M 200.2 Metals Soil										
Blank (1304055-BLK2)				Prepared: 04/11/13 Analyzed: 04/18/13						
EPA 6010										
Silver	U	0.50	mg/kg dry							U
Barium	U	0.50	"							U
Beryllium	U	0.30	"							U
Cobalt	U	0.50	"							U
Chromium	U	0.50	"							U
Copper	U	1.0	"							U
Molybdenum	U	1.0	"							U
Nickel	U	1.0	"							U
Tin	U	1.5	"							U
Strontium	U	0.50	"							U
Titanium	U	0.50	"							U
Vanadium	U	0.50	"							U
Yttrium	U	0.30	"							U
Zinc	U	1.0	"							U
Aluminum	U	10	"							U
Manganese	U	0.50	"							U
Calcium	U	25	"							U
Magnesium	U	25	"							U
Iron	U	10	"							U
Sodium	U	100	"							U
Potassium	U	100	"							U
LCS (1304055-BS1)				Prepared: 04/11/13 Analyzed: 04/18/13						
EPA 6010										
Silver	9.5294	0.50	mg/kg dry	10.000		95.3	85-115			
Barium	49.308	0.50	"	50.000		98.6	85-115			
Beryllium	20.198	0.30	"	20.000		101	85-115			
Cobalt	48.227	0.50	"	50.000		96.5	85-115			
Chromium	49.804	0.50	"	50.000		99.6	85-115			
Copper	29.690	1.0	"	30.000		99.0	85-115			
Molybdenum	30.215	1.0	"	30.000		101	85-115			
Nickel	78.352	1.0	"	80.000		97.9	85-115			
Tin	101.33	1.5	"	100.00		101	85-115			
Strontium	40.224	0.50	"	40.000		101	85-115			
Titanium	50.409	0.50	"	50.000		101	85-115			
Vanadium	40.594	0.50	"	40.000		101	85-115			
Yttrium	30.019	0.30	"	30.000		100	85-115			
Zinc	98.213	1.0	"	100.00		98.2	85-115			
Aluminum	498.35	10	"	500.00		99.7	85-115			

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Total Metals (TMTL) - Quality Control

US-EPA, Region 4, SESD

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1304055 - M 200.2 Metals Soil										
LCS (1304055-BS1)				Prepared: 04/11/13 Analyzed: 04/18/13						
Manganese	516.34	0.50	mg/kg dry	500.00		103	85-115			
Calcium	516.70	25	"	500.00		103	85-115			
Magnesium	514.34	25	"	500.00		103	85-115			
Iron	522.81	10	"	500.00		105	85-115			
Sodium	996.93	100	"	1000.0		99.7	85-115			
Potassium	1008.6	100	"	1000.0		101	85-115			
Matrix Spike (1304055-MS1)		**Source: E131406-04**		Prepared: 04/11/13 Analyzed: 04/18/13						
EPA 6010										
Silver	9.6514	0.50	mg/kg dry	9.9483	U	97.0	75-125			
Barium	66.444	0.50	"	49.741	16.959	99.5	75-125			
Beryllium	21.179	0.30	"	19.897	0.21910	105	75-125			
Cobalt	50.507	0.50	"	49.741	0.55877	100	75-125			
Chromium	54.434	0.50	"	49.741	3.6120	102	75-125			
Copper	32.316	0.99	"	29.845	0.53590	106	75-125			
Molybdenum	27.570	0.99	"	29.845	U	92.4	75-125			
Nickel	80.960	0.99	"	79.586	0.74361	101	75-125			
Tin	83.137	1.5	"	99.483	0.39382	83.2	75-125			
Strontium	43.902	0.50	"	39.793	3.1015	103	75-125			
Titanium	38.934	0.50	"	49.741	6.3700	65.5	75-125			QM-1
Vanadium	44.241	0.50	"	39.793	3.1503	103	75-125			
Yttrium	32.674	0.30	"	29.845	2.2587	102	75-125			
Zinc	103.69	0.99	"	99.483	2.3568	102	75-125			
Aluminum	3262.6	9.9	"	497.41	3122.5	28.2	75-125			QM-1
Manganese	573.18	0.50	"	497.41	48.914	105	75-125			
Calcium	949.35	25	"	497.41	464.21	97.5	75-125			
Magnesium	657.50	25	"	497.41	128.31	106	75-125			
Iron	1267.1	9.9	"	497.41	796.24	94.7	75-125			
Sodium	1060.1	99	"	994.83	38.567	103	75-125			
Potassium	1076.7	99	"	994.83	83.304	99.9	75-125			

Total Metals (TMTL) - Quality Control

US-EPA, Region 4, SESD

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1304055 - M 200.2 Metals Soil										
Matrix Spike (1304055-MS3)		**Source: E131406-24**		Prepared: 04/11/13 Analyzed: 04/18/13						
EPA 6010										
Silver	93.593		ug/L	100.00	1.0531	92.5	75-125			
Barium	576.68		"	500.00	86.691	98.0	75-125			
Beryllium	198.52		"	200.00	-0.057601	99.3	75-125			
Cobalt	494.94		"	500.00	12.854	96.4	75-125			
Chromium	532.49		"	500.00	47.977	96.9	75-125			
Copper	316.51		"	300.00	27.170	96.4	75-125			
Molybdenum	346.30		"	300.00	55.275	97.0	75-125			
Tin	1017.9		"	1000.0	3.0123	101	75-125			
Strontium	430.43		"	400.00	31.670	99.7	75-125			
Titanium	594.21		"	500.00	90.964	101	75-125			
Vanadium	18107		"	400.00	17539	142	75-125			XM-1
Yttrium	298.41		"	300.00	1.4785	99.0	75-125			
Zinc	1148.7		"	1000.0	160.94	98.8	75-125			
Aluminum	6.7768		mg/L	5.0000	1.7417	101	75-125			
Manganese	5.3157		"	5.0000	0.20504	102	75-125			
Calcium	6.6758		"	5.0000	1.6202	101	75-125			
Magnesium	5.2788		"	5.0000	0.19454	102	75-125			
Iron	49.512		"	5.0000	44.102	108	75-125			
Sodium	13.278		"	10.000	3.2471	100	75-125			
Potassium	11.070		"	10.000	0.93841	101	75-125			
Matrix Spike (1304055-MS4)		**Source: E131406-24RE1**		Prepared: 04/11/13 Analyzed: 04/29/13						
EPA 6010										
Nickel	2866.8		ug/L	800.00	2137.4	91.2	75-125			
Matrix Spike Dup (1304055-MSD1)		**Source: E131406-04**		Prepared: 04/11/13 Analyzed: 04/18/13						
EPA 6010										
Silver	9.3698	0.49	mg/kg dry	9.8678	U	95.0	75-125	2.96	20	
Barium	64.693	0.49	"	49.339	16.959	96.7	75-125	2.67	20	
Beryllium	20.631	0.30	"	19.736	0.21910	103	75-125	2.62	20	
Cobalt	49.063	0.49	"	49.339	0.55877	98.3	75-125	2.90	20	
Chromium	52.857	0.49	"	49.339	3.6120	99.8	75-125	2.94	20	
Copper	30.724	0.99	"	29.603	0.53590	102	75-125	5.05	20	
Molybdenum	26.707	0.99	"	29.603	U	90.2	75-125	3.18	20	
Nickel	78.695	0.99	"	78.942	0.74361	98.7	75-125	2.84	20	
Tin	83.272	1.5	"	98.678	0.39382	84.0	75-125	0.162	20	
Strontium	42.816	0.49	"	39.471	3.1015	101	75-125	2.50	20	
Titanium	37.827	0.49	"	49.339	6.3700	63.8	75-125	2.89	20	QM-1

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Total Metals (TMTL) - Quality Control

US-EPA, Region 4, SESD

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1304055 - M 200.2 Metals Soil										
Matrix Spike Dup (1304055-MSD1)		**Source: E131406-04**		Prepared: 04/11/13 Analyzed: 04/18/13						
Vanadium	43.025	0.49	mg/kg dry	39.471	3.1503	101	75-125	2.79	20	
Yttrium	31.982	0.30	"	29.603	2.2587	100	75-125	2.14	20	
Zinc	100.47	0.99	"	98.678	2.3568	99.4	75-125	3.15	20	
Aluminum	3185.6	9.9	"	493.39	3122.5	12.8	75-125	2.39	20	QM-1
Manganese	561.36	0.49	"	493.39	48.914	104	75-125	2.08	20	
Calcium	944.64	25	"	493.39	464.21	97.4	75-125	0.498	20	
Magnesium	627.94	25	"	493.39	128.31	101	75-125	4.60	20	
Iron	1261.3	9.9	"	493.39	796.24	94.3	75-125	0.461	20	
Sodium	1033.3	99	"	986.78	38.567	101	75-125	2.56	20	
Potassium	1052.8	99	"	986.78	83.304	98.2	75-125	2.25	20	
Matrix Spike Dup (1304055-MSD3)		**Source: E131406-24**		Prepared: 04/11/13 Analyzed: 04/18/13						
EPA 6010										
Silver	93.568		ug/L	100.00	1.0531	92.5	75-125	0.0268	20	
Barium	575.44		"	500.00	86.691	97.8	75-125	0.215	20	
Beryllium	199.25		"	200.00	-0.057601	99.7	75-125	0.370	20	
Cobalt	485.70		"	500.00	12.854	94.6	75-125	1.88	20	
Chromium	533.19		"	500.00	47.977	97.0	75-125	0.132	20	
Copper	312.24		"	300.00	27.170	95.0	75-125	1.36	20	
Molybdenum	342.82		"	300.00	55.275	95.8	75-125	1.01	20	
Tin	998.79		"	1000.0	3.0123	99.6	75-125	1.89	20	
Strontium	430.03		"	400.00	31.670	99.6	75-125	0.0927	20	
Titanium	585.67		"	500.00	90.964	98.9	75-125	1.45	20	
Vanadium	17992		"	400.00	17539	113	75-125	0.639	20	XM-1
Yttrium	298.65		"	300.00	1.4785	99.1	75-125	0.0809	20	
Zinc	1140.3		"	1000.0	160.94	97.9	75-125	0.736	20	
Aluminum	6.6711		mg/L	5.0000	1.7417	98.6	75-125		20	
Manganese	5.2963		"	5.0000	0.20504	102	75-125	0.367	20	
Calcium	6.5887		"	5.0000	1.6202	99.4	75-125		20	
Magnesium	5.2482		"	5.0000	0.19454	101	75-125		20	
Iron	48.892		"	5.0000	44.102	95.8	75-125		20	
Sodium	13.261		"	10.000	3.2471	100	75-125		20	
Potassium	10.929		"	10.000	0.93841	99.9	75-125		20	

Total Metals (TMTL) - Quality Control

US-EPA, Region 4, SESD

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1304055 - M 200.2 Metals Soil										
Matrix Spike Dup (1304055-MSD4)		**Source: E131406-24RE1**		Prepared: 04/11/13 Analyzed: 04/29/13						
EPA 6010										
Nickel	2855.0		ug/L	800.00	2137.4	89.7	75-125	0.413	20	
MRL Verification (1304055-PS1)				Prepared: 04/11/13 Analyzed: 04/18/13						
EPA 6010										
Silver	0.55340	0.50	mg/kg dry	0.50000		111	70-130			MRL-3
Barium	0.51260	0.50	"	0.50000		103	70-130			MRL-3
Beryllium	0.30343	0.30	"	0.30000		101	70-130			MRL-3
Cobalt	0.54955	0.50	"	0.50000		110	70-130			MRL-3
Chromium	0.52739	0.50	"	0.50000		105	70-130			MRL-3
Copper	1.1199	1.0	"	1.0000		112	70-130			MRL-3
Molybdenum	1.0809	1.0	"	1.0000		108	70-130			MRL-3
Nickel	1.0241	1.0	"	1.0000		102	70-130			MRL-3
Tin	1.7898	1.5	"	1.5000		119	70-130			MRL-3
Strontium	0.51642	0.50	"	0.50000		103	70-130			MRL-3
Titanium	0.53731	0.50	"	0.50000		107	70-130			MRL-3
Vanadium	0.55174	0.50	"	0.50000		110	70-130			MRL-3
Yttrium	0.30216	0.30	"	0.30000		101	70-130			MRL-3
Zinc	1.1239	1.0	"	1.0000		112	70-130			MRL-3
Aluminum	11.877	10	"	10.000		119	70-130			MRL-3
Manganese	0.59592	0.50	"	0.50000		119	70-130			MRL-3
Calcium	28.209	25	"	25.000		113	70-130			MRL-3
Magnesium	26.651	25	"	25.000		107	70-130			MRL-3
Iron	10.948	10	"	10.000		109	70-130			MRL-3
Sodium	101.94	100	"	100.00		102	70-130			MRL-3
Potassium	98.466	100	"	100.00		98.5	70-130			MRL-3, U
Batch 1304056 - M 200.2 Metals Soil										
Blank (1304056-BLK1)				Prepared: 04/11/13 Analyzed: 04/26/13						
EPA 200.8										
Beryllium	U	0.050	mg/kg dry							U
Arsenic	U	0.10	"							U
Selenium	U	0.20	"							U
Cadmium	U	0.050	"							U
Antimony	U	0.10	"							U
Thallium	U	0.10	"							U
Lead	U	0.10	"							U

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Total Metals (TMTL) - Quality Control

US-EPA, Region 4, SESD

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1304056 - M 200.2 Metals Soil										
Blank (1304056-BLK2)				Prepared: 04/11/13 Analyzed: 04/26/13						
EPA 200.8										
Beryllium	U	0.050	mg/kg dry							U
Arsenic	U	0.10	"							U
Selenium	U	0.20	"							U
Cadmium	U	0.050	"							U
Antimony	U	0.10	"							U
Thallium	U	0.10	"							U
Lead	U	0.10	"							U
LCS (1304056-BS1)				Prepared: 04/11/13 Analyzed: 04/26/13						
EPA 200.8										
Beryllium	20.277	1.2	mg/kg dry	20.000		101	85-115			
Arsenic	50.618	2.5	"	50.000		101	85-115			
Selenium	99.061	5.0	"	100.00		99.1	85-115			
Cadmium	20.567	1.2	"	20.000		103	85-115			
Antimony	102.83	2.5	"	100.00		103	85-115			
Thallium	22.206	2.5	"	20.000		111	85-115			
Lead	107.97	2.5	"	100.00		108	85-115			
Matrix Spike (1304056-MS1)		**Source: E131406-04**		Prepared: 04/11/13 Analyzed: 04/26/13						
EPA 200.8										
Beryllium	20.468	1.2	mg/kg dry	19.897	0.21937	102	70-130			
Arsenic	48.087	2.5	"	49.741	0.14042	96.4	70-130			
Selenium	96.241	5.0	"	99.483	U	96.7	70-130			
Cadmium	20.733	1.2	"	19.897	0.036147	104	70-130			
Antimony	46.536	2.5	"	99.483	0.0092070	46.8	70-130			QM-1
Thallium	22.054	2.5	"	19.897	0.043968	111	70-130			
Lead	111.62	2.5	"	99.483	3.8987	108	70-130			
Matrix Spike (1304056-MS2)		**Source: E131406-24**		Prepared: 04/11/13 Analyzed: 04/26/13						
EPA 200.8										
Beryllium	19.514	2.5	mg/kg dry	19.728	0.29073	97.4	70-130			
Arsenic	64.221	4.9	"	49.319	23.409	82.7	70-130			
Selenium	52.243	9.9	"	98.639	U	53.0	70-130			QM-1
Cadmium	21.491	2.5	"	19.728	1.2760	102	70-130			
Antimony	57.741	4.9	"	98.639	1.8324	56.7	70-130			QM-1
Thallium	21.372	4.9	"	19.728	U	108	70-130			
Lead	367.03	4.9	"	98.639	281.04	87.2	70-130			

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Total Metals (TMTL) - Quality Control

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1304056 - M 200.2 Metals Soil										
Matrix Spike Dup (1304056-MSD1)		**Source: E131406-04**		Prepared: 04/11/13 Analyzed: 04/26/13						
EPA 200.8										
Beryllium	21.216	1.2	mg/kg dry	19.736	0.21937	106	70-130	3.59	20	
Arsenic	48.815	2.5	"	49.339	0.14042	98.7	70-130	1.50	20	
Selenium	97.688	4.9	"	98.678	U	99.0	70-130	1.49	20	
Cadmium	21.402	1.2	"	19.736	0.036147	108	70-130	3.18	20	
Antimony	47.624	2.5	"	98.678	0.0092070	48.3	70-130	2.31	20	QM-1
Thallium	22.153	2.5	"	19.736	0.043968	112	70-130	0.451	20	
Lead	112.97	2.5	"	98.678	3.8987	111	70-130	1.20	20	
Matrix Spike Dup (1304056-MSD2)		**Source: E131406-24**		Prepared: 04/11/13 Analyzed: 04/26/13						
EPA 200.8										
Beryllium	19.555	2.5	mg/kg dry	19.960	0.29073	96.5	70-130	0.210	20	
Arsenic	59.594	5.0	"	49.900	23.409	72.5	70-130	7.47	20	
Selenium	46.649	10	"	99.800	U	46.7	70-130	11.3	20	QM-1
Cadmium	21.614	2.5	"	19.960	1.2760	102	70-130	0.571	20	
Antimony	49.706	5.0	"	99.800	1.8324	48.0	70-130	15.0	20	QM-1
Thallium	21.332	5.0	"	19.960	U	107	70-130	0.187	20	
Lead	328.49	5.0	"	99.800	281.04	47.5	70-130	11.1	20	QM-1
MRL Verification (1304056-PS1)				Prepared: 04/11/13 Analyzed: 04/26/13						
EPA 200.8										
Beryllium	0.051931	0.050	mg/kg dry	0.050000		104	65-135			MRL-3
Arsenic	0.077935	0.10	"	0.10000		77.9	65-135			MRL-3, U
Selenium	0.18735	0.20	"	0.20000		93.7	65-135			MRL-3, U
Cadmium	0.052965	0.050	"	0.050000		106	65-135			MRL-3
Antimony	0.052427	0.10	"	0.050000		105	65-135			MRL-3, U
Thallium	0.052327	0.10	"	0.050000		105	65-135			MRL-3, U
Lead	0.10694	0.10	"	0.10000		107	65-135			MRL-3
Batch 1304066 - M 245.1 Hg Wtr										
Blank (1304066-BLK1)				Prepared & Analyzed: 04/22/13						
EPA 245.1										
Mercury	U	0.10	ug/L							U

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Total Metals (TMTL) - Quality Control
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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1304066 - M 245.1 Hg Wtr										
LCS (1304066-BS1)				Prepared & Analyzed: 04/22/13						
EPA 245.1										
Mercury	1.9490	0.10	ug/L	2.0000		97.4	85-115			
LCS Dup (1304066-BSD1)				Prepared & Analyzed: 04/22/13						
EPA 245.1										
Mercury	2.1290	0.10	ug/L	2.0000		106	85-115	8.83	20	
Matrix Spike (1304066-MS1)		***Source: E131404-03***		*Prepared & Analyzed: 04/22/13*						
EPA 245.1										
Mercury	2.0010	0.10	ug/L	2.0000	U	100	70-130			
Matrix Spike (1304066-MS2)		**Source: E131406-03**		Prepared & Analyzed: 04/22/13						
EPA 245.1										
Mercury	2.0090	0.10	ug/L	2.0000	U	100	70-130			
Matrix Spike Dup (1304066-MSD1)		**Source: E131404-03**		Prepared & Analyzed: 04/22/13						
EPA 245.1										
Mercury	2.0250	0.10	ug/L	2.0000	U	101	70-130	1.19	20	
Matrix Spike Dup (1304066-MSD2)		**Source: E131406-03**		Prepared & Analyzed: 04/22/13						
EPA 245.1										
Mercury	1.9840	0.10	ug/L	2.0000	U	99.2	70-130	1.25	20	
MRL Verification (1304066-PS1)				Prepared & Analyzed: 04/22/13						
EPA 245.1										
Mercury	0.089000	0.10	ug/L	0.10000		89.0	65-135			MRL-2, U
Batch 1304069 - M 7473 Hg-Direct										
Blank (1304069-BLK1)				Prepared & Analyzed: 04/19/13						
EPA 7473										
Mercury	U	0.020	mg/kg dry							U
LCS (1304069-BS1)				Prepared & Analyzed: 04/19/13						
EPA 7473										
Mercury	1.2782	0.12	mg/kg dry	1.4000		91.3	80-120			

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Total Metals (TMTL) - Quality Control
US-EPA, Region 4, SESD

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1304069 - M 7473 Hg-Direct										
LCS Dup (1304069-BSD1)				Prepared & Analyzed: 04/19/13						
EPA 7473										
Mercury	1.3483	0.13	mg/kg dry	1.4000		96.3	80-120	5.34	20	
Matrix Spike (1304069-MS1)		**Source: E131406-02**		Prepared & Analyzed: 04/19/13						
EPA 7473										
Mercury	0.40593	0.020	mg/kg dry	0.19604	0.19214	109	80-120			
Matrix Spike Dup (1304069-MSD1)		**Source: E131406-02**		Prepared & Analyzed: 04/19/13						
EPA 7473										
Mercury	0.42098	0.020	mg/kg dry	0.19806	0.19214	116	80-120	3.64	20	
MRL Verification (1304069-PS1)				Prepared & Analyzed: 04/19/13						
EPA 7473										
Mercury	0.91900	1.0	mg/kg dry	1.0000		91.9	70-130			MRL-3, U
Batch 1304070 - M 7473 Hg-Direct										
Blank (1304070-BLK1)				Prepared & Analyzed: 04/23/13						
EPA 7473										
Mercury	U	0.019	mg/kg dry							U
LCS (1304070-BS1)				Prepared & Analyzed: 04/23/13						
EPA 7473										
Mercury	1.3236	0.12	mg/kg dry	1.4000		94.5	80-120			
LCS Dup (1304070-BSD1)				Prepared & Analyzed: 04/23/13						
EPA 7473										
Mercury	1.3942	0.11	mg/kg dry	1.4000		99.6	80-120	5.19	20	
Matrix Spike (1304070-MS1)		**Source: E131406-17RE2**		Prepared & Analyzed: 04/23/13						
EPA 7473										
Mercury	4.6785	0.18	mg/kg dry	1.7606	2.7338	110	80-120			
Matrix Spike Dup (1304070-MSD1)		**Source: E131406-17RE2**		Prepared & Analyzed: 04/23/13						
EPA 7473										
Mercury	4.3464	0.20	mg/kg dry	1.9841	2.7338	81.3	80-120	7.36	20	

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D.A.R.T. Id: 13-0295
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Total Metals (TMTL) - Quality Control

US-EPA, Region 4, SESD

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1304070 - M 7473 Hg-Direct										
Matrix Spike Dup (1304070-MSD1)		**Source: E131406-17RE2**		Prepared & Analyzed: 04/23/13						
MRL Verification (1304070-PS1)				Prepared & Analyzed: 04/23/13						
EPA 7473										
Mercury	1.1143	1.0	mg/kg dry	1.0000		111	70-130			MRL-3

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Physical Properties (PHYSP) - Quality Control

US-EPA, Region 4, SESD

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1304041 - M % Solids										
Duplicate (1304041-DUP1)		**Source: E131406-23**		Prepared: 04/08/13 Analyzed: 04/10/13						
EPA 200.2										
% Solids	91.402	0.0	%		91.963			0.612	10	

Notes and Definitions for QC Samples

U	The analyte was not detected at or above the reporting limit.
MRL-2	MRL verification for Non-Potable Water matrix
MRL-3	MRL verification for Soil matrix
QM-1	Matrix Spike Recovery less than method control limits
XM-1	Sample background/spike ratio higher than method evaluation criteria

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May 15, 2013

4SESD-ASB

MEMORANDUM

SUBJECT: FINAL Analytical Report
Project: 13-0295, Greenwood Mills Liner Plt
Superfund Remedial

FROM: Terri White
ICS Chemist

THRU: Mike Wasko, Chief
ASB Inorganic Chemistry Section

TO: Nancy McKee

Attached are the final results for the analytical groups listed below. These analyses were performed in accordance with the Analytical Support Branch's (ASB) Laboratory Operations and Quality Assurance Manual (ASB LOQAM) found at www.epa.gov/region4/sesd/asbsop. Any unique project data quality objectives specified in writing by the data requestor have also been incorporated into the data unless otherwise noted in the Report Narrative. Chemistry data have been verified based on the ASB LOQAM specifications and have been qualified by this laboratory if the applicable quality control criteria were not met. Verification is defined in Section 5.2 of the ASB LOQAM. For a listing of specific data qualifiers and explanations, please refer to the Data Qualifier Definitions included in this report. The reported results are accurate within the limits of the method(s) and are representative only of the samples as received by the laboratory.

Analyses Included in this report:	Method Used:	Accreditations:
Total Metals (TMTL)		
Total Mercury	EPA 245.1 (Water)	ISO
Total Metals	EPA 200.8 (Water)	ISO
Total Metals	EPA 6010 (Water)	ISO

Sample Disposal Policy

Because of the laboratory's limited space for long term sample storage, our policy is to dispose of samples on a periodic schedule. Please note that within 60 days of this memo, the original samples and all sample extracts and/or sample digestates will be disposed of in accordance with applicable regulations. The 60-day sample disposal policy does not apply to criminal samples which are held until the laboratory is notified by the criminal investigators that case development and litigation are complete.

These samples may be held in the laboratory's custody for a longer period of time if you have a special project need. If you wish for the laboratory to hold samples beyond the 60-day period, please contact our Sample Control Coordinator by e-mail at R4SampleCustody@epa.gov, and provide a reason for holding samples beyond 60 days

cc: Nardina Turner

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Project: 13-0295, Greenwood Mills Liner Plt - Reported by Terri White

SAMPLES INCLUDED IN THIS REPORT

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID	Laboratory ID	Matrix	Date Collected	Date Received
GML-019-GW	E131407-01	Groundwater	4/4/13 17:05	4/5/13 10:31
GML-020-GW	E131407-02	Groundwater	4/4/13 14:37	4/5/13 10:31
GML-021-GW	E131407-03	Groundwater	4/4/13 12:52	4/5/13 10:31

DATA QUALIFIER DEFINITIONS

U The analyte was not detected at or above the reporting limit.

ACRONYMS AND ABBREVIATIONS

CAS Chemical Abstracts Service

Note: Analytes with no known CAS identifiers have been assigned codes beginning with "E", the EPA ID as assigned by the EPA Substance Registry System (www.epa.gov/srs), or beginning with "R4-", a unique identifier assigned by the EPA Region 4 laboratory.

ISO The test, if analyzed after June 26, 2012, is accredited under the EPA Region 4 ASB's ISO/IEC 17025 accreditation issued by ANSI-ASQ National Accreditation Board/ACLASS. Refer to certificate and scope of accreditation AT-1691.

MDL Method Detection Limit - The minimum concentration of a substance (an analyte) that can be measured and reported with a 99% confidence that the analyte concentration is greater than zero.

MRL Minimum Reporting Limit - Analyte concentration that corresponds to the lowest demonstrated level of acceptable quantitation. The MRL is sample-specific and accounts for preparation weights and volumes, dilutions, and moisture content of soil/sediments.

TIC Tentatively Identified Compound - An analyte identified based on a match with the instrument software's mass spectral library. A calibration standard has not been analyzed to confirm the compound's identification or the estimated concentration reported.

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D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Terri White

Total Metals

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-019-GW
Station ID: GML019

Lab ID: E131407-01
Matrix: Groundwater

Date Collected: 4/4/13 17:05

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7439-97-6	Mercury	0.10	U	ug/L	0.10	4/24/13 8:16	4/24/13 13:30	EPA 245.1
7429-90-5	Aluminum	3600		ug/L	100	4/15/13 8:38	4/18/13 11:55	EPA 6010
7440-36-0	Antimony	1.0	U	ug/L	1.0	4/15/13 8:41	4/26/13 15:49	EPA 200.8
7440-38-2	Arsenic	11		ug/L	1.0	4/15/13 8:41	4/26/13 15:49	EPA 200.8
7440-39-3	Barium	5.0	U	ug/L	5.0	4/15/13 8:38	4/18/13 11:55	EPA 6010
7440-41-7	Beryllium	3.0	U	ug/L	3.0	4/15/13 8:38	4/18/13 11:55	EPA 6010
7440-43-9	Cadmium	0.50	U	ug/L	0.50	4/15/13 8:41	4/26/13 15:49	EPA 200.8
7440-70-2	Calcium	500		ug/L	250	4/15/13 8:38	4/18/13 11:55	EPA 6010
7440-47-3	Chromium	5.0	U	ug/L	5.0	4/15/13 8:38	4/18/13 11:55	EPA 6010
7440-48-4	Cobalt	5.0	U	ug/L	5.0	4/15/13 8:38	4/18/13 11:55	EPA 6010
7440-50-8	Copper	10	U	ug/L	10	4/15/13 8:38	4/18/13 11:55	EPA 6010
7439-89-6	Iron	6500		ug/L	100	4/15/13 8:38	4/18/13 11:55	EPA 6010
7439-92-1	Lead	2.8		ug/L	1.0	4/15/13 8:41	4/26/13 15:49	EPA 200.8
7439-95-4	Magnesium	250	U	ug/L	250	4/15/13 8:38	4/18/13 11:55	EPA 6010
7439-96-5	Manganese	26		ug/L	5.0	4/15/13 8:38	4/18/13 11:55	EPA 6010
7439-98-7	Molybdenum	10	U	ug/L	10	4/15/13 8:38	4/18/13 11:55	EPA 6010
7440-02-0	Nickel	10	U	ug/L	10	4/15/13 8:38	4/18/13 11:55	EPA 6010
7440-09-7	Potassium	1000	U	ug/L	1000	4/15/13 8:38	4/18/13 11:55	EPA 6010
7782-49-2	Selenium	2.0	U	ug/L	2.0	4/15/13 8:41	4/26/13 15:49	EPA 200.8
7440-22-4	Silver	5.0	U	ug/L	5.0	4/15/13 8:38	4/18/13 11:55	EPA 6010
7440-23-5	Sodium	65000		ug/L	1000	4/15/13 8:38	4/18/13 11:55	EPA 6010
7440-24-6	Strontium	5.0	U	ug/L	5.0	4/15/13 8:38	4/18/13 11:55	EPA 6010
7440-28-0	Thallium	1.0	U	ug/L	1.0	4/15/13 8:41	4/26/13 15:49	EPA 200.8
7440-31-5	Tin	15	U	ug/L	15	4/15/13 8:38	4/18/13 11:55	EPA 6010
7440-32-6	Titanium	23		ug/L	5.0	4/15/13 8:38	4/18/13 11:55	EPA 6010
7440-62-2	Vanadium	28		ug/L	5.0	4/15/13 8:38	4/18/13 11:55	EPA 6010
7440-65-5	Yttrium	4.0		ug/L	3.0	4/15/13 8:38	4/18/13 11:55	EPA 6010
7440-66-6	Zinc	17		ug/L	10	4/15/13 8:38	4/18/13 11:55	EPA 6010

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D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Terri White

Total Metals

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-020-GW
Station ID: GML020
Lab ID: E131407-02
Matrix: Groundwater

Date Collected: 4/4/13 14:37

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7439-97-6	Mercury	0.10	U	ug/L	0.10	4/24/13 8:16	4/24/13 13:30	EPA 245.1
7429-90-5	Aluminum	130		ug/L	100	4/15/13 8:38	4/18/13 12:10	EPA 6010
7440-36-0	Antimony	1.0	U	ug/L	1.0	4/15/13 8:41	4/26/13 16:01	EPA 200.8
7440-38-2	Arsenic	1.0	U	ug/L	1.0	4/15/13 8:41	4/26/13 16:01	EPA 200.8
7440-39-3	Barium	19		ug/L	5.0	4/15/13 8:38	4/18/13 12:10	EPA 6010
7440-41-7	Beryllium	3.0	U	ug/L	3.0	4/15/13 8:38	4/18/13 12:10	EPA 6010
7440-43-9	Cadmium	0.50	U	ug/L	0.50	4/15/13 8:41	4/26/13 16:01	EPA 200.8
7440-70-2	Calcium	12000		ug/L	250	4/15/13 8:38	4/18/13 12:10	EPA 6010
7440-47-3	Chromium	5.0	U	ug/L	5.0	4/15/13 8:38	4/18/13 12:10	EPA 6010
7440-48-4	Cobalt	6.6		ug/L	5.0	4/15/13 8:38	4/18/13 12:10	EPA 6010
7440-50-8	Copper	10	U	ug/L	10	4/15/13 8:38	4/18/13 12:10	EPA 6010
7439-89-6	Iron	100	U	ug/L	100	4/15/13 8:38	4/18/13 12:10	EPA 6010
7439-92-1	Lead	1.0	U	ug/L	1.0	4/15/13 8:41	4/26/13 16:01	EPA 200.8
7439-95-4	Magnesium	2000		ug/L	250	4/15/13 8:38	4/18/13 12:10	EPA 6010
7439-96-5	Manganese	580		ug/L	5.0	4/15/13 8:38	4/18/13 12:10	EPA 6010
7439-98-7	Molybdenum	10	U	ug/L	10	4/15/13 8:38	4/18/13 12:10	EPA 6010
7440-02-0	Nickel	10	U	ug/L	10	4/15/13 8:38	4/18/13 12:10	EPA 6010
7440-09-7	Potassium	1100		ug/L	1000	4/15/13 8:38	4/18/13 12:10	EPA 6010
7782-49-2	Selenium	2.0	U	ug/L	2.0	4/15/13 8:41	4/26/13 16:01	EPA 200.8
7440-22-4	Silver	5.0	U	ug/L	5.0	4/15/13 8:38	4/18/13 12:10	EPA 6010
7440-23-5	Sodium	16000		ug/L	1000	4/15/13 8:38	4/18/13 12:10	EPA 6010
7440-24-6	Strontium	29		ug/L	5.0	4/15/13 8:38	4/18/13 12:10	EPA 6010
7440-28-0	Thallium	1.0	U	ug/L	1.0	4/15/13 8:41	4/26/13 16:01	EPA 200.8
7440-31-5	Tin	15	U	ug/L	15	4/15/13 8:38	4/18/13 12:10	EPA 6010
7440-32-6	Titanium	5.0	U	ug/L	5.0	4/15/13 8:38	4/18/13 12:10	EPA 6010
7440-62-2	Vanadium	5.0	U	ug/L	5.0	4/15/13 8:38	4/18/13 12:10	EPA 6010
7440-65-5	Yttrium	3.0	U	ug/L	3.0	4/15/13 8:38	4/18/13 12:10	EPA 6010
7440-66-6	Zinc	20		ug/L	10	4/15/13 8:38	4/18/13 12:10	EPA 6010

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D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Terri White

Total Metals

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-021-GW
Station ID: GML021
Lab ID: E131407-03
Matrix: Groundwater
Date Collected: 4/4/13 12:52

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7439-97-6	Mercury	0.31		ug/L	0.10	4/24/13 8:16	4/24/13 13:30	EPA 245.1
7429-90-5	Aluminum	65000		ug/L	100	4/15/13 8:38	4/18/13 12:16	EPA 6010
7440-36-0	Antimony	1.0	U	ug/L	1.0	4/15/13 8:41	4/26/13 16:05	EPA 200.8
7440-38-2	Arsenic	13		ug/L	1.0	4/15/13 8:41	4/26/13 16:05	EPA 200.8
7440-39-3	Barium	130		ug/L	5.0	4/15/13 8:38	4/18/13 12:16	EPA 6010
7440-41-7	Beryllium	4.2		ug/L	3.0	4/15/13 8:38	4/18/13 12:16	EPA 6010
7440-43-9	Cadmium	1.8		ug/L	0.50	4/15/13 8:41	4/26/13 16:05	EPA 200.8
7440-70-2	Calcium	11000		ug/L	250	4/15/13 8:38	4/18/13 12:16	EPA 6010
7440-47-3	Chromium	85		ug/L	5.0	4/15/13 8:38	4/18/13 12:16	EPA 6010
7440-48-4	Cobalt	6.5		ug/L	5.0	4/15/13 8:38	4/18/13 12:16	EPA 6010
7440-50-8	Copper	26		ug/L	10	4/15/13 8:38	4/18/13 12:16	EPA 6010
7439-89-6	Iron	15000		ug/L	100	4/15/13 8:38	4/18/13 12:16	EPA 6010
7439-92-1	Lead	33		ug/L	1.0	4/15/13 8:41	4/26/13 16:05	EPA 200.8
7439-95-4	Magnesium	2200		ug/L	250	4/15/13 8:38	4/18/13 12:16	EPA 6010
7439-96-5	Manganese	240		ug/L	5.0	4/15/13 8:38	4/18/13 12:16	EPA 6010
7439-98-7	Molybdenum	10	U	ug/L	10	4/15/13 8:38	4/18/13 12:16	EPA 6010
7440-02-0	Nickel	21		ug/L	10	4/15/13 8:38	4/18/13 12:16	EPA 6010
7440-09-7	Potassium	2800		ug/L	1000	4/15/13 8:38	4/18/13 12:16	EPA 6010
7782-49-2	Selenium	9.9		ug/L	2.0	4/15/13 8:41	4/26/13 16:05	EPA 200.8
7440-22-4	Silver	5.0	U	ug/L	5.0	4/15/13 8:38	4/18/13 12:16	EPA 6010
7440-23-5	Sodium	39000		ug/L	1000	4/15/13 8:38	4/18/13 12:16	EPA 6010
7440-24-6	Strontium	67		ug/L	5.0	4/15/13 8:38	4/18/13 12:16	EPA 6010
7440-28-0	Thallium	1.0	U	ug/L	1.0	4/15/13 8:41	4/26/13 16:05	EPA 200.8
7440-31-5	Tin	15	U	ug/L	15	4/15/13 8:38	4/18/13 12:16	EPA 6010
7440-32-6	Titanium	130		ug/L	5.0	4/15/13 8:38	4/18/13 12:16	EPA 6010
7440-62-2	Vanadium	70		ug/L	5.0	4/15/13 8:38	4/18/13 12:16	EPA 6010
7440-65-5	Yttrium	44		ug/L	3.0	4/15/13 8:38	4/18/13 12:16	EPA 6010
7440-66-6	Zinc	94		ug/L	10	4/15/13 8:38	4/18/13 12:16	EPA 6010

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D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Terri White

Total Metals (TMTL) - Quality Control

US-EPA, Region 4, SESD

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1304059 - M 200.2 Metals Water										
Blank (1304059-BLK1)				Prepared: 04/15/13 Analyzed: 04/18/13						
EPA 6010										
Silver	U	5.0	ug/L							U
Barium	U	5.0	"							U
Beryllium	U	3.0	"							U
Cobalt	U	5.0	"							U
Chromium	U	5.0	"							U
Copper	U	10	"							U
Molybdenum	U	10	"							U
Nickel	U	10	"							U
Tin	U	15	"							U
Strontium	U	5.0	"							U
Titanium	U	5.0	"							U
Vanadium	U	5.0	"							U
Yttrium	U	3.0	"							U
Zinc	U	10	"							U
Aluminum	U	100	"							U
Manganese	U	5.0	"							U
Calcium	U	250	"							U
Magnesium	U	250	"							U
Iron	U	100	"							U
Sodium	U	1000	"							U
Potassium	U	1000	"							U
LCS (1304059-BS1)				Prepared: 04/15/13 Analyzed: 04/18/13						
EPA 6010										
Silver	96.847	5.0	ug/L	100.00		96.8	85-115			
Barium	198.64	5.0	"	200.00		99.3	85-115			
Beryllium	50.573	3.0	"	50.000		101	85-115			
Cobalt	99.534	5.0	"	100.00		99.5	85-115			
Chromium	200.57	5.0	"	200.00		100	85-115			
Copper	102.57	10	"	100.00		103	85-115			
Molybdenum	102.09	10	"	100.00		102	85-115			
Nickel	194.84	10	"	200.00		97.4	85-115			
Tin	107.68	15	"	100.00		108	85-115			
Strontium	99.402	5.0	"	100.00		99.4	85-115			
Titanium	100.33	5.0	"	100.00		100	85-115			
Vanadium	102.57	5.0	"	100.00		103	85-115			
Yttrium	100.12	3.0	"	100.00		100	85-115			
Zinc	200.66	10	"	200.00		100	85-115			
Aluminum	4897.5	100	"	5000.0		98.0	85-115			

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Project: 13-0295, Greenwood Mills Liner Plt - Reported by Terri White

Total Metals (TMTL) - Quality Control
US-EPA, Region 4, SESD

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1304059 - M 200.2 Metals Water										
LCS (1304059-BS1)				Prepared: 04/15/13 Analyzed: 04/18/13						
Manganese	518.25	5.0	ug/L	500.00		104	85-115			
Calcium	5120.1	250	"	5000.0		102	85-115			
Magnesium	5118.5	250	"	5000.0		102	85-115			
Iron	5248.9	100	"	5000.0		105	85-115			
Sodium	9912.0	1000	"	10000		99.1	85-115			
Potassium	9800.3	1000	"	10000		98.0	85-115			
Matrix Spike (1304059-MS1)		**Source: E131407-01**		Prepared: 04/15/13 Analyzed: 04/18/13						
EPA 6010										
Silver	94.920	5.0	ug/L	100.00	U	94.9	75-125			
Barium	200.15	5.0	"	200.00	4.5459	97.8	75-125			
Beryllium	50.216	3.0	"	50.000	U	100	75-125			
Cobalt	99.604	5.0	"	100.00	3.0076	96.6	75-125			
Chromium	199.31	5.0	"	200.00	3.5059	97.9	75-125			
Copper	105.18	10	"	100.00	4.1494	101	75-125			
Molybdenum	97.640	10	"	100.00	1.7267	95.9	75-125			
Nickel	200.35	10	"	200.00	8.5801	95.9	75-125			
Tin	105.16	15	"	100.00	U	105	75-125			
Strontium	101.59	5.0	"	100.00	3.7990	97.8	75-125			
Titanium	116.11	5.0	"	100.00	22.909	93.2	75-125			
Vanadium	127.78	5.0	"	100.00	27.744	100	75-125			
Yttrium	102.84	3.0	"	100.00	4.0258	98.8	75-125			
Zinc	219.86	10	"	200.00	17.349	101	75-125			
Aluminum	8395.4	100	"	5000.0	3610.0	95.7	75-125			
Manganese	551.50	5.0	"	500.00	26.052	105	75-125			
Calcium	5866.0	250	"	5000.0	499.23	107	75-125			
Magnesium	5334.1	250	"	5000.0	169.99	103	75-125			
Iron	11211	100	"	5000.0	6458.6	95.0	75-125			
Sodium	75275	1000	"	10000	64715	106	75-125			
Potassium	10836	1000	"	10000	779.08	101	75-125			

Total Metals (TMTL) - Quality Control

US-EPA, Region 4, SESD

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1304059 - M 200.2 Metals Water										
Matrix Spike Dup (1304059-MSD1)		**Source: E131407-01**		Prepared: 04/15/13 Analyzed: 04/18/13						
EPA 6010										
Silver	96.112	5.0	ug/L	100.00	U	96.1	75-125	1.25	20	
Barium	201.37	5.0	"	200.00	4.5459	98.4	75-125	0.605	20	
Beryllium	50.405	3.0	"	50.000	U	101	75-125	0.376	20	
Cobalt	100.62	5.0	"	100.00	3.0076	97.6	75-125	1.01	20	
Chromium	201.36	5.0	"	200.00	3.5059	98.9	75-125	1.02	20	
Copper	104.23	10	"	100.00	4.1494	100	75-125	0.903	20	
Molybdenum	97.875	10	"	100.00	1.7267	96.1	75-125	0.241	20	
Nickel	202.73	10	"	200.00	8.5801	97.1	75-125	1.18	20	
Tin	105.30	15	"	100.00	U	105	75-125	0.128	20	
Strontium	102.22	5.0	"	100.00	3.7990	98.4	75-125	0.623	20	
Titanium	113.93	5.0	"	100.00	22.909	91.0	75-125	1.89	20	
Vanadium	127.38	5.0	"	100.00	27.744	99.6	75-125	0.309	20	
Yttrium	103.01	3.0	"	100.00	4.0258	99.0	75-125	0.164	20	
Zinc	221.43	10	"	200.00	17.349	102	75-125	0.711	20	
Aluminum	8127.8	100	"	5000.0	3610.0	90.4	75-125	3.24	20	
Manganese	539.92	5.0	"	500.00	26.052	103	75-125	2.12	20	
Calcium	6207.7	250	"	5000.0	499.23	114	75-125	5.66	20	
Magnesium	5248.1	250	"	5000.0	169.99	102	75-125	1.63	20	
Iron	10717	100	"	5000.0	6458.6	85.2	75-125	4.50	20	
Sodium	74905	1000	"	10000	64715	102	75-125	0.493	20	
Potassium	10631	1000	"	10000	779.08	98.5	75-125	1.91	20	
MRL Verification (1304059-PS1)				Prepared: 04/15/13 Analyzed: 04/18/13						
EPA 6010										
Silver	4.9214	5.0	ug/L	5.0000		98.4	70-130			MRL-2, U
Barium	5.4044	5.0	"	5.0000		108	70-130			MRL-2
Beryllium	3.0423	3.0	"	3.0000		101	70-130			MRL-2
Cobalt	5.9337	5.0	"	5.0000		119	70-130			MRL-2
Chromium	5.2074	5.0	"	5.0000		104	70-130			MRL-2
Copper	11.220	10	"	10.000		112	70-130			MRL-2
Molybdenum	10.619	10	"	10.000		106	70-130			MRL-2
Nickel	10.262	10	"	10.000		103	70-130			MRL-2
Tin	18.551	15	"	15.000		124	70-130			MRL-2
Strontium	5.0966	5.0	"	5.0000		102	70-130			MRL-2
Titanium	5.3908	5.0	"	5.0000		108	70-130			MRL-2
Vanadium	5.6432	5.0	"	5.0000		113	70-130			MRL-2
Yttrium	3.2730	3.0	"	3.0000		109	70-130			MRL-2
Zinc	10.805	10	"	10.000		108	70-130			MRL-2

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Terri White

Total Metals (TMTL) - Quality Control

US-EPA, Region 4, SESD

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1304059 - M 200.2 Metals Water										
MRL Verification (1304059-PS1)				Prepared: 04/15/13 Analyzed: 04/18/13						
Aluminum	93.072	100	ug/L	100.00		93.1	70-130			MRL-2, U
Manganese	5.3286	5.0	"	5.0000		107	70-130			MRL-2
Calcium	281.89	250	"	250.00		113	70-130			MRL-2
Magnesium	267.18	250	"	250.00		107	70-130			MRL-2
Iron	107.27	100	"	100.00		107	70-130			MRL-2
Sodium	997.03	1000	"	1000.0		99.7	70-130			MRL-2, U
Potassium	1011.1	1000	"	1000.0		101	70-130			MRL-2
Batch 1304060 - M 200.2 Metals Water										
Blank (1304060-BLK1)				Prepared: 04/15/13 Analyzed: 04/26/13						
EPA 200.8										
Beryllium	U	0.50	ug/L							U
Arsenic	U	1.0	"							U
Selenium	U	2.0	"							U
Cadmium	U	0.50	"							U
Antimony	U	1.0	"							U
Thallium	U	1.0	"							U
Lead	U	1.0	"							U
LCS (1304060-BS1)				Prepared: 04/15/13 Analyzed: 04/26/13						
EPA 200.8										
Beryllium	51.702	2.5	ug/L	50.000		103	85-115			
Arsenic	205.85	5.0	"	200.00		103	85-115			
Selenium	209.99	10	"	200.00		105	85-115			
Cadmium	52.524	2.5	"	50.000		105	85-115			
Antimony	203.07	5.0	"	200.00		102	85-115			
Thallium	210.87	5.0	"	200.00		105	85-115			
Lead	208.00	5.0	"	200.00		104	85-115			

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Total Metals (TMTL) - Quality Control

US-EPA, Region 4, SESD

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1304060 - M 200.2 Metals Water										
Matrix Spike (1304060-MS1)		**Source: E131407-01**		Prepared: 04/15/13 Analyzed: 04/26/13						
EPA 200.8										
Beryllium	51.357	2.5	ug/L	50.000	0.092704	103	70-130			
Arsenic	206.85	5.0	"	200.00	10.776	98.0	70-130			
Selenium	194.81	10	"	200.00	1.6199	96.6	70-130			
Cadmium	50.549	2.5	"	50.000	0.19471	101	70-130			
Antimony	171.50	5.0	"	200.00	0.22073	85.6	70-130			
Thallium	206.23	5.0	"	200.00	0.14061	103	70-130			
Lead	204.54	5.0	"	200.00	2.8245	101	70-130			
Matrix Spike Dup (1304060-MSD1)		**Source: E131407-01**		Prepared: 04/15/13 Analyzed: 04/26/13						
EPA 200.8										
Beryllium	50.073	2.5	ug/L	50.000	0.092704	100	70-130	2.53	20	
Arsenic	208.91	5.0	"	200.00	10.776	99.1	70-130	0.992	20	
Selenium	197.18	10	"	200.00	1.6199	97.8	70-130	1.21	20	
Cadmium	50.980	2.5	"	50.000	0.19471	102	70-130	0.849	20	
Antimony	172.96	5.0	"	200.00	0.22073	86.4	70-130	0.845	20	
Thallium	209.38	5.0	"	200.00	0.14061	105	70-130	1.52	20	
Lead	205.82	5.0	"	200.00	2.8245	101	70-130	0.622	20	
MRL Verification (1304060-PS1)				Prepared: 04/15/13 Analyzed: 04/26/13						
EPA 200.8										
Beryllium	0.52173	0.50	ug/L	0.50000		104	65-135			MRL-2
Arsenic	0.84360	1.0	"	1.0000		84.4	65-135			MRL-2, U
Selenium	2.3050	2.0	"	2.0000		115	65-135			MRL-2
Cadmium	0.51395	0.50	"	0.50000		103	65-135			MRL-2
Antimony	0.50244	1.0	"	0.50000		100	65-135			MRL-2, U
Thallium	0.51701	1.0	"	0.50000		103	65-135			MRL-2, U
Lead	1.0608	1.0	"	1.0000		106	65-135			MRL-2
Batch 1304092 - M 245.1 Hg Wtr										
Blank (1304092-BLK1)				Prepared & Analyzed: 04/24/13						
EPA 245.1										
Mercury	U	0.10	ug/L							U

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Total Metals (TMTL) - Quality Control

US-EPA, Region 4, SESD

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1304092 - M 245.1 Hg Wtr										
LCS (1304092-BS1)				Prepared & Analyzed: 04/24/13						
EPA 245.1										
Mercury	1.9980	0.10	ug/L	2.0000		99.9	85-115			
LCS Dup (1304092-BSD1)				Prepared & Analyzed: 04/24/13						
EPA 245.1										
Mercury	2.1220	0.10	ug/L	2.0000		106	85-115	6.02	20	
Matrix Spike (1304092-MS1)		**Source: E131407-01**		Prepared & Analyzed: 04/24/13						
EPA 245.1										
Mercury	2.0210	0.10	ug/L	2.0000	0.025000	99.8	70-130			
Matrix Spike Dup (1304092-MSD1)		**Source: E131407-01**		Prepared & Analyzed: 04/24/13						
EPA 245.1										
Mercury	2.0160	0.10	ug/L	2.0000	0.025000	99.6	70-130	0.248	20	
MRL Verification (1304092-PS1)				Prepared & Analyzed: 04/24/13						
EPA 245.1										
Mercury	0.077000	0.10	ug/L	0.10000		77.0	65-135			MRL-2, U

Notes and Definitions for QC Samples

U	The analyte was not detected at or above the reporting limit.
MRL-2	MRL verification for Non-Potable Water matrix

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May 15, 2013

4SESD-ASB

MEMORANDUM

SUBJECT: FINAL Analytical Report
Project: 13-0295, Greenwood Mills Liner Plt
Superfund Remedial

FROM: Terri White
ICS Chemist

THRU: Mike Wasko, Chief
ASB Inorganic Chemistry Section

TO: Nancy McKee

Attached are the final results for the analytical groups listed below. These analyses were performed in accordance with the Analytical Support Branch's (ASB) Laboratory Operations and Quality Assurance Manual (ASB LOQAM) found at www.epa.gov/region4/sesd/asbsop. Any unique project data quality objectives specified in writing by the data requestor have also been incorporated into the data unless otherwise noted in the Report Narrative. Chemistry data have been verified based on the ASB LOQAM specifications and have been qualified by this laboratory if the applicable quality control criteria were not met. Verification is defined in Section 5.2 of the ASB LOQAM. For a listing of specific data qualifiers and explanations, please refer to the Data Qualifier Definitions included in this report. The reported results are accurate within the limits of the method(s) and are representative only of the samples as received by the laboratory.

Analyses Included in this report:	Method Used:	Accreditations:
Physical Properties (PHYSP)		
Physical Properties	EPA 200.2 (Soil)	None
Total Metals (TMTL)		
Total Mercury	EPA 245.1 (Water)	ISO
Total Mercury	EPA 7473 (Soil)	ISO
Total Metals	EPA 200.8 (Soil)	ISO
Total Metals	EPA 200.8 (Water)	ISO
Total Metals	EPA 6010 (Soil)	ISO
Total Metals	EPA 6010 (Water)	ISO

Sample Disposal Policy

Because of the laboratory's limited space for long term sample storage, our policy is to dispose of samples on a periodic schedule. Please note that within 60 days of this memo, the original samples and all sample extracts and/or sample digestates will be disposed of in accordance with applicable regulations. The 60-day sample disposal policy does not apply to criminal samples which are held until the laboratory is notified by the criminal investigators that case development and litigation are complete.

These samples may be held in the laboratory's custody for a longer period of time if you have a special project need. If you wish for the laboratory to hold samples beyond the 60-day period, please contact our Sample Control Coordinator by e-mail at R4SampleCustody@epa.gov, and provide a reason for holding samples beyond 60 days

cc: Nardina Turner

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
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D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Terri White

SAMPLES INCLUDED IN THIS REPORT

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID	Laboratory ID	Matrix	Date Collected	Date Received
GML-023-PB	E131406-01	Preservative Blank	4/3/13 12:00	4/4/13 10:02
GML-001-SD	E131406-02	Sediment	4/3/13 14:05	4/4/13 10:02
GML-001-SW	E131406-03	Surface Water	4/3/13 14:00	4/4/13 10:02
GML-002-SD	E131406-04	Sediment	4/3/13 14:20	4/4/13 10:02
GML-002-SW	E131406-05	Surface Water	4/3/13 14:10	4/4/13 10:02
GML-003-SD	E131406-06	Sediment	4/3/13 11:25	4/4/13 10:02
GML-003-SW	E131406-07	Surface Water	4/3/13 11:20	4/4/13 10:02
GML-004-SD	E131406-08	Sediment	4/3/13 11:45	4/4/13 10:02
GML-004-SW	E131406-09	Surface Water	4/3/13 11:40	4/4/13 10:02
GML-005-SD	E131406-10	Sediment	4/3/13 13:31	4/4/13 10:02
GML-005-SW	E131406-11	Surface Water	4/3/13 13:25	4/4/13 10:02
GML-006-SD	E131406-12	Sediment	4/3/13 11:10	4/4/13 10:02
GML-006-SW	E131406-13	Surface Water	4/3/13 11:05	4/4/13 10:02
GML-007-SD	E131406-14	Sediment	4/3/13 11:26	4/4/13 10:02
GML-007-SW	E131406-15	Surface Water	4/3/13 11:21	4/4/13 10:02
GML-008-SF	E131406-16	Surface Soil	4/3/13 12:30	4/4/13 10:02
GML-009-SF	E131406-17	Surface Soil	4/3/13 11:34	4/4/13 10:02
GML-010-SF	E131406-18	Surface Soil	4/3/13 11:45	4/4/13 10:02
GML-011-SF	E131406-19	Surface Soil	4/3/13 12:08	4/4/13 10:02
GML-012-SF	E131406-20	Surface Soil	4/3/13 12:15	4/4/13 10:02
GML-013-SF	E131406-21	Surface Soil	4/3/13 09:55	4/4/13 10:02
GML-014-SF	E131406-22	Surface Soil	4/3/13 10:10	4/4/13 10:02
GML-015-SF	E131406-23	Surface Soil	4/3/13 10:25	4/4/13 10:02
GML-016-SF	E131406-24	Surface Soil	4/3/13 12:42	4/4/13 10:02
GML-017-SF	E131406-25	Surface Soil	4/3/13 12:56	4/4/13 10:02

DATA QUALIFIER DEFINITIONS

U	The analyte was not detected at or above the reporting limit.
B-4	Level in blank impacts MRLs.
J	The identification of the analyte is acceptable; the reported value is an estimate.
QM-1	Matrix Spike Recovery less than method control limits

ACRONYMS AND ABBREVIATIONS

CAS Chemical Abstracts Service

Note: Analytes with no known CAS identifiers have been assigned codes beginning with "E", the EPA ID as assigned by the EPA Substance Registry System (www.epa.gov/srs), or beginning with "R4-", a unique identifier assigned by the EPA Region 4 laboratory.

ISO The test, if analyzed after June 26, 2012, is accredited under the EPA Region 4 ASB's ISO/IEC 17025 accreditation issued by ANSI-ASQ National Accreditation Board/ACLASS. Refer to certificate and scope of accreditation AT-1691.

MDL Method Detection Limit - The minimum concentration of a substance (an analyte) that can be measured and reported with a 99% confidence that the analyte concentration is greater than zero.

MRL Minimum Reporting Limit - Analyte concentration that corresponds to the lowest demonstrated level of acceptable quantitation. The MRL is sample-specific and accounts for preparation weights and volumes, dilutions, and moisture content of soil/sediments.

TIC Tentatively Identified Compound - An analyte identified based on a match with the instrument software's mass spectral library. A calibration standard has not been analyzed to confirm the compound's identification or the estimated concentration reported.

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D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Terri White

Total Metals

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-023-PB
Station ID:

Lab ID: E131406-01
Matrix: Preservative Blank

Date Collected: 4/3/13 12:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7439-97-6	Mercury	0.10	U	ug/L	0.10	4/22/13 8:35	4/22/13 14:25	EPA 245.1
7429-90-5	Aluminum	100	U	ug/L	100	4/09/13 10:53	4/10/13 17:26	EPA 6010
7440-36-0	Antimony	1.0	U	ug/L	1.0	4/09/13 10:56	4/24/13 18:24	EPA 200.8
7440-38-2	Arsenic	1.0	U	ug/L	1.0	4/09/13 10:56	4/24/13 18:24	EPA 200.8
7440-39-3	Barium	5.0	U	ug/L	5.0	4/09/13 10:53	4/10/13 17:26	EPA 6010
7440-41-7	Beryllium	3.0	U	ug/L	3.0	4/09/13 10:53	4/10/13 17:26	EPA 6010
7440-43-9	Cadmium	0.50	U	ug/L	0.50	4/09/13 10:56	4/24/13 18:24	EPA 200.8
7440-70-2	Calcium	250	U	ug/L	250	4/09/13 10:53	4/10/13 17:26	EPA 6010
7440-47-3	Chromium	5.0	U	ug/L	5.0	4/09/13 10:53	4/10/13 17:26	EPA 6010
7440-48-4	Cobalt	5.0	U	ug/L	5.0	4/09/13 10:53	4/10/13 17:26	EPA 6010
7440-50-8	Copper	10	U	ug/L	10	4/09/13 10:53	4/10/13 17:26	EPA 6010
7439-89-6	Iron	100	U	ug/L	100	4/09/13 10:53	4/10/13 17:26	EPA 6010
7439-92-1	Lead	6.0	U, B-4	ug/L	6.0	4/09/13 10:56	4/24/13 18:24	EPA 200.8
7439-95-4	Magnesium	250	U	ug/L	250	4/09/13 10:53	4/10/13 17:26	EPA 6010
7439-96-5	Manganese	5.0	U	ug/L	5.0	4/09/13 10:53	4/10/13 17:26	EPA 6010
7439-98-7	Molybdenum	10	U	ug/L	10	4/09/13 10:53	4/10/13 17:26	EPA 6010
7440-02-0	Nickel	10	U	ug/L	10	4/09/13 10:53	4/10/13 17:26	EPA 6010
7440-09-7	Potassium	1000	U	ug/L	1000	4/09/13 10:53	4/10/13 17:26	EPA 6010
7782-49-2	Selenium	2.0	U	ug/L	2.0	4/09/13 10:56	4/24/13 18:24	EPA 200.8
7440-22-4	Silver	5.0	U	ug/L	5.0	4/09/13 10:53	4/11/13 15:28	EPA 6010
7440-23-5	Sodium	1000	U	ug/L	1000	4/09/13 10:53	4/10/13 17:26	EPA 6010
7440-24-6	Strontium	5.0	U	ug/L	5.0	4/09/13 10:53	4/10/13 17:26	EPA 6010
7440-28-0	Thallium	1.0	U	ug/L	1.0	4/09/13 10:56	4/24/13 18:24	EPA 200.8
7440-31-5	Tin	15	U	ug/L	15	4/09/13 10:53	4/10/13 17:26	EPA 6010
7440-32-6	Titanium	5.0	U	ug/L	5.0	4/09/13 10:53	4/10/13 17:26	EPA 6010
7440-62-2	Vanadium	5.0	U	ug/L	5.0	4/09/13 10:53	4/10/13 17:26	EPA 6010
7440-65-5	Yttrium	3.0	U	ug/L	3.0	4/09/13 10:53	4/10/13 17:26	EPA 6010
7440-66-6	Zinc	10	U	ug/L	10	4/09/13 10:53	4/10/13 17:26	EPA 6010

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D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Terri White

Total Metals

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-001-SD
Station ID: GML001
Lab ID: E131406-02
Matrix: Sediment

Date Collected: 4/3/13 14:05

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7439-97-6	Mercury	0.19		mg/kg dry	0.018	4/19/13 9:42	4/19/13 15:48	EPA 7473
7429-90-5	Aluminum	3800		mg/kg dry	10	4/11/13 12:40	4/18/13 12:49	EPA 6010
7440-36-0	Antimony	0.25	U	mg/kg dry	0.25	4/11/13 12:44	4/26/13 16:42	EPA 200.8
7440-38-2	Arsenic	0.64		mg/kg dry	0.25	4/11/13 12:44	4/26/13 16:42	EPA 200.8
7440-39-3	Barium	30		mg/kg dry	0.50	4/11/13 12:40	4/18/13 12:49	EPA 6010
7440-41-7	Beryllium	0.38		mg/kg dry	0.30	4/11/13 12:40	4/18/13 12:49	EPA 6010
7440-43-9	Cadmium	0.15		mg/kg dry	0.12	4/11/13 12:44	4/26/13 16:42	EPA 200.8
7440-70-2	Calcium	1500		mg/kg dry	25	4/11/13 12:40	4/18/13 12:49	EPA 6010
7440-47-3	Chromium	4.7		mg/kg dry	0.50	4/11/13 12:40	4/18/13 12:49	EPA 6010
7440-48-4	Cobalt	1.1		mg/kg dry	0.50	4/11/13 12:40	4/18/13 12:49	EPA 6010
7440-50-8	Copper	2.8		mg/kg dry	1.0	4/11/13 12:40	4/18/13 12:49	EPA 6010
7439-89-6	Iron	1700		mg/kg dry	10	4/11/13 12:40	4/18/13 12:49	EPA 6010
7439-92-1	Lead	12		mg/kg dry	0.25	4/11/13 12:44	4/26/13 16:42	EPA 200.8
7439-95-4	Magnesium	130		mg/kg dry	25	4/11/13 12:40	4/18/13 12:49	EPA 6010
7439-96-5	Manganese	45		mg/kg dry	0.50	4/11/13 12:40	4/18/13 12:49	EPA 6010
7439-98-7	Molybdenum	1.0	U	mg/kg dry	1.0	4/11/13 12:40	4/18/13 12:49	EPA 6010
7440-02-0	Nickel	1.6		mg/kg dry	1.0	4/11/13 12:40	4/18/13 12:49	EPA 6010
7440-09-7	Potassium	100	U	mg/kg dry	100	4/11/13 12:40	4/18/13 12:49	EPA 6010
7782-49-2	Selenium	0.50	U	mg/kg dry	0.50	4/11/13 12:44	4/26/13 16:42	EPA 200.8
7440-22-4	Silver	0.50	U	mg/kg dry	0.50	4/11/13 12:40	4/18/13 12:49	EPA 6010
7440-23-5	Sodium	100	U	mg/kg dry	100	4/11/13 12:40	4/18/13 12:49	EPA 6010
7440-24-6	Strontium	8.1		mg/kg dry	0.50	4/11/13 12:40	4/18/13 12:49	EPA 6010
7440-28-0	Thallium	0.25	U	mg/kg dry	0.25	4/11/13 12:44	4/26/13 16:42	EPA 200.8
7440-31-5	Tin	1.5	U	mg/kg dry	1.5	4/11/13 12:40	4/18/13 12:49	EPA 6010
7440-32-6	Titanium	7.9		mg/kg dry	0.50	4/11/13 12:40	4/18/13 12:49	EPA 6010
7440-62-2	Vanadium	5.3		mg/kg dry	0.50	4/11/13 12:40	4/18/13 12:49	EPA 6010
7440-65-5	Yttrium	4.8		mg/kg dry	0.30	4/11/13 12:40	4/18/13 12:49	EPA 6010
7440-66-6	Zinc	13		mg/kg dry	1.0	4/11/13 12:40	4/18/13 12:49	EPA 6010

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Terri White

Physical Properties

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-001-SD
Station ID: GML001
Lab ID: E131406-02
Matrix: Sediment

Date Collected: 4/3/13 14:05

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1642941	% Solids	59		%	0.0	4/08/13 16:23	4/10/13 11:10	EPA 200.2

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Terri White

Total Metals

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-001-SW
Station ID: GML001

Lab ID: E131406-03
Matrix: Surface Water

Date Collected: 4/3/13 14:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7439-97-6	Mercury	0.10	U	ug/L	0.10	4/22/13 8:35	4/22/13 14:25	EPA 245.1
7429-90-5	Aluminum	330		ug/L	100	4/09/13 10:53	4/10/13 17:31	EPA 6010
7440-36-0	Antimony	1.0	U	ug/L	1.0	4/09/13 10:56	4/24/13 18:29	EPA 200.8
7440-38-2	Arsenic	1.0	U	ug/L	1.0	4/09/13 10:56	4/24/13 18:29	EPA 200.8
7440-39-3	Barium	18		ug/L	5.0	4/09/13 10:53	4/10/13 17:31	EPA 6010
7440-41-7	Beryllium	3.0	U	ug/L	3.0	4/09/13 10:53	4/10/13 17:31	EPA 6010
7440-43-9	Cadmium	0.50	U	ug/L	0.50	4/09/13 10:56	4/24/13 18:29	EPA 200.8
7440-70-2	Calcium	3400		ug/L	250	4/09/13 10:53	4/10/13 17:31	EPA 6010
7440-47-3	Chromium	5.0	U	ug/L	5.0	4/09/13 10:53	4/10/13 17:31	EPA 6010
7440-48-4	Cobalt	5.0	U	ug/L	5.0	4/09/13 10:53	4/10/13 17:31	EPA 6010
7440-50-8	Copper	10	U	ug/L	10	4/09/13 10:53	4/10/13 17:31	EPA 6010
7439-89-6	Iron	510		ug/L	100	4/09/13 10:53	4/10/13 17:31	EPA 6010
7439-92-1	Lead	6.0	U, B-4	ug/L	6.0	4/09/13 10:56	4/24/13 18:29	EPA 200.8
7439-95-4	Magnesium	870		ug/L	250	4/09/13 10:53	4/10/13 17:31	EPA 6010
7439-96-5	Manganese	24		ug/L	5.0	4/09/13 10:53	4/10/13 17:31	EPA 6010
7439-98-7	Molybdenum	10	U	ug/L	10	4/09/13 10:53	4/10/13 17:31	EPA 6010
7440-02-0	Nickel	10	U	ug/L	10	4/09/13 10:53	4/10/13 17:31	EPA 6010
7440-09-7	Potassium	1100		ug/L	1000	4/09/13 10:53	4/10/13 17:31	EPA 6010
7782-49-2	Selenium	2.0	U	ug/L	2.0	4/09/13 10:56	4/24/13 18:29	EPA 200.8
7440-22-4	Silver	5.0	U	ug/L	5.0	4/09/13 10:53	4/11/13 15:33	EPA 6010
7440-23-5	Sodium	5800		ug/L	1000	4/09/13 10:53	4/10/13 17:31	EPA 6010
7440-24-6	Strontium	13		ug/L	5.0	4/09/13 10:53	4/10/13 17:31	EPA 6010
7440-28-0	Thallium	1.0	U	ug/L	1.0	4/09/13 10:56	4/24/13 18:29	EPA 200.8
7440-31-5	Tin	15	U	ug/L	15	4/09/13 10:53	4/10/13 17:31	EPA 6010
7440-32-6	Titanium	5.0	U	ug/L	5.0	4/09/13 10:53	4/10/13 17:31	EPA 6010
7440-62-2	Vanadium	5.0	U	ug/L	5.0	4/09/13 10:53	4/10/13 17:31	EPA 6010
7440-65-5	Yttrium	3.0	U	ug/L	3.0	4/09/13 10:53	4/10/13 17:31	EPA 6010
7440-66-6	Zinc	10	U	ug/L	10	4/09/13 10:53	4/10/13 17:31	EPA 6010

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Terri White

Total Metals

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-002-SD
Station ID: GML002
Lab ID: E131406-04
Matrix: Sediment

Date Collected: 4/3/13 14:20

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7439-97-6	Mercury	0.028		mg/kg dry	0.020	4/19/13 9:42	4/19/13 15:48	EPA 7473
7429-90-5	Aluminum	3100	J, QM-1	mg/kg dry	10	4/11/13 12:40	4/18/13 12:54	EPA 6010
7440-36-0	Antimony	0.25	U, J, QM-1	mg/kg dry	0.25	4/11/13 12:44	4/26/13 16:47	EPA 200.8
7440-38-2	Arsenic	0.25	U	mg/kg dry	0.25	4/11/13 12:44	4/26/13 16:47	EPA 200.8
7440-39-3	Barium	17		mg/kg dry	0.50	4/11/13 12:40	4/18/13 12:54	EPA 6010
7440-41-7	Beryllium	0.30	U	mg/kg dry	0.30	4/11/13 12:40	4/18/13 12:54	EPA 6010
7440-43-9	Cadmium	0.12	U	mg/kg dry	0.12	4/11/13 12:44	4/26/13 16:47	EPA 200.8
7440-70-2	Calcium	460		mg/kg dry	25	4/11/13 12:40	4/18/13 12:54	EPA 6010
7440-47-3	Chromium	3.6		mg/kg dry	0.50	4/11/13 12:40	4/18/13 12:54	EPA 6010
7440-48-4	Cobalt	0.56		mg/kg dry	0.50	4/11/13 12:40	4/18/13 12:54	EPA 6010
7440-50-8	Copper	1.0	U	mg/kg dry	1.0	4/11/13 12:40	4/18/13 12:54	EPA 6010
7439-89-6	Iron	800		mg/kg dry	10	4/11/13 12:40	4/18/13 12:54	EPA 6010
7439-92-1	Lead	3.9		mg/kg dry	0.25	4/11/13 12:44	4/26/13 16:47	EPA 200.8
7439-95-4	Magnesium	130		mg/kg dry	25	4/11/13 12:40	4/18/13 12:54	EPA 6010
7439-96-5	Manganese	49		mg/kg dry	0.50	4/11/13 12:40	4/18/13 12:54	EPA 6010
7439-98-7	Molybdenum	1.0	U	mg/kg dry	1.0	4/11/13 12:40	4/18/13 12:54	EPA 6010
7440-02-0	Nickel	1.0	U	mg/kg dry	1.0	4/11/13 12:40	4/18/13 12:54	EPA 6010
7440-09-7	Potassium	100	U	mg/kg dry	100	4/11/13 12:40	4/18/13 12:54	EPA 6010
7782-49-2	Selenium	0.50	U	mg/kg dry	0.50	4/11/13 12:44	4/26/13 16:47	EPA 200.8
7440-22-4	Silver	0.50	U	mg/kg dry	0.50	4/11/13 12:40	4/18/13 12:54	EPA 6010
7440-23-5	Sodium	100	U	mg/kg dry	100	4/11/13 12:40	4/18/13 12:54	EPA 6010
7440-24-6	Strontium	3.1		mg/kg dry	0.50	4/11/13 12:40	4/18/13 12:54	EPA 6010
7440-28-0	Thallium	0.25	U	mg/kg dry	0.25	4/11/13 12:44	4/26/13 16:47	EPA 200.8
7440-31-5	Tin	1.5	U	mg/kg dry	1.5	4/11/13 12:40	4/18/13 12:54	EPA 6010
7440-32-6	Titanium	6.4	J, QM-1	mg/kg dry	0.50	4/11/13 12:40	4/18/13 12:54	EPA 6010
7440-62-2	Vanadium	3.2		mg/kg dry	0.50	4/11/13 12:40	4/18/13 12:54	EPA 6010
7440-65-5	Yttrium	2.3		mg/kg dry	0.30	4/11/13 12:40	4/18/13 12:54	EPA 6010
7440-66-6	Zinc	2.4		mg/kg dry	1.0	4/11/13 12:40	4/18/13 12:54	EPA 6010

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Terri White

Physical Properties

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-002-SD
Station ID: GML002
Lab ID: E131406-04
Matrix: Sediment

Date Collected: 4/3/13 14:20

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1642941	% Solids	54		%	0.0	4/08/13 16:23	4/10/13 11:10	EPA 200.2

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Terri White

Total Metals

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-002-SW
Station ID: GML002
Lab ID: E131406-05
Matrix: Surface Water

Date Collected: 4/3/13 14:10

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7439-97-6	Mercury	0.10	U	ug/L	0.10	4/22/13 8:35	4/22/13 14:25	EPA 245.1
7429-90-5	Aluminum	250		ug/L	100	4/09/13 10:53	4/10/13 17:46	EPA 6010
7440-36-0	Antimony	1.0	U	ug/L	1.0	4/09/13 10:56	4/24/13 18:50	EPA 200.8
7440-38-2	Arsenic	1.0	U	ug/L	1.0	4/09/13 10:56	4/24/13 18:50	EPA 200.8
7440-39-3	Barium	17		ug/L	5.0	4/09/13 10:53	4/10/13 17:46	EPA 6010
7440-41-7	Beryllium	3.0	U	ug/L	3.0	4/09/13 10:53	4/10/13 17:46	EPA 6010
7440-43-9	Cadmium	0.50	U	ug/L	0.50	4/09/13 10:56	4/24/13 18:50	EPA 200.8
7440-70-2	Calcium	3300		ug/L	250	4/09/13 10:53	4/10/13 17:46	EPA 6010
7440-47-3	Chromium	5.0	U	ug/L	5.0	4/09/13 10:53	4/10/13 17:46	EPA 6010
7440-48-4	Cobalt	5.0	U	ug/L	5.0	4/09/13 10:53	4/10/13 17:46	EPA 6010
7440-50-8	Copper	10	U	ug/L	10	4/09/13 10:53	4/10/13 17:46	EPA 6010
7439-89-6	Iron	480		ug/L	100	4/09/13 10:53	4/10/13 17:46	EPA 6010
7439-92-1	Lead	6.0	U, B-4	ug/L	6.0	4/09/13 10:56	4/24/13 18:50	EPA 200.8
7439-95-4	Magnesium	860		ug/L	250	4/09/13 10:53	4/10/13 17:46	EPA 6010
7439-96-5	Manganese	24		ug/L	5.0	4/09/13 10:53	4/10/13 17:46	EPA 6010
7439-98-7	Molybdenum	10	U	ug/L	10	4/09/13 10:53	4/10/13 17:46	EPA 6010
7440-02-0	Nickel	10	U	ug/L	10	4/09/13 10:53	4/10/13 17:46	EPA 6010
7440-09-7	Potassium	1200		ug/L	1000	4/09/13 10:53	4/10/13 17:46	EPA 6010
7782-49-2	Selenium	2.0	U	ug/L	2.0	4/09/13 10:56	4/24/13 18:50	EPA 200.8
7440-22-4	Silver	5.0	U	ug/L	5.0	4/09/13 10:53	4/11/13 15:49	EPA 6010
7440-23-5	Sodium	5600		ug/L	1000	4/09/13 10:53	4/10/13 17:46	EPA 6010
7440-24-6	Strontium	13		ug/L	5.0	4/09/13 10:53	4/10/13 17:46	EPA 6010
7440-28-0	Thallium	1.0	U	ug/L	1.0	4/09/13 10:56	4/24/13 18:50	EPA 200.8
7440-31-5	Tin	15	U	ug/L	15	4/09/13 10:53	4/10/13 17:46	EPA 6010
7440-32-6	Titanium	5.0	U	ug/L	5.0	4/09/13 10:53	4/10/13 17:46	EPA 6010
7440-62-2	Vanadium	5.0	U	ug/L	5.0	4/09/13 10:53	4/10/13 17:46	EPA 6010
7440-65-5	Yttrium	3.0	U	ug/L	3.0	4/09/13 10:53	4/10/13 17:46	EPA 6010
7440-66-6	Zinc	10	U	ug/L	10	4/09/13 10:53	4/10/13 17:46	EPA 6010

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Terri White

Total Metals

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-003-SD
Station ID: GML003
Lab ID: E131406-06
Matrix: Sediment

Date Collected: 4/3/13 11:25

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7439-97-6	Mercury	0.18		mg/kg dry	0.019	4/19/13 9:42	4/19/13 15:48	EPA 7473
7429-90-5	Aluminum	5100		mg/kg dry	10	4/11/13 12:40	4/18/13 13:17	EPA 6010
7440-36-0	Antimony	0.25	U	mg/kg dry	0.25	4/11/13 12:44	4/26/13 17:10	EPA 200.8
7440-38-2	Arsenic	0.41		mg/kg dry	0.25	4/11/13 12:44	4/26/13 17:10	EPA 200.8
7440-39-3	Barium	33		mg/kg dry	0.50	4/11/13 12:40	4/18/13 13:17	EPA 6010
7440-41-7	Beryllium	0.40		mg/kg dry	0.30	4/11/13 12:40	4/18/13 13:17	EPA 6010
7440-43-9	Cadmium	0.12	U	mg/kg dry	0.12	4/11/13 12:44	4/26/13 17:10	EPA 200.8
7440-70-2	Calcium	420		mg/kg dry	25	4/11/13 12:40	4/18/13 13:17	EPA 6010
7440-47-3	Chromium	120		mg/kg dry	0.50	4/11/13 12:40	4/18/13 13:17	EPA 6010
7440-48-4	Cobalt	0.57		mg/kg dry	0.50	4/11/13 12:40	4/18/13 13:17	EPA 6010
7440-50-8	Copper	3.3		mg/kg dry	1.0	4/11/13 12:40	4/18/13 13:17	EPA 6010
7439-89-6	Iron	2200		mg/kg dry	10	4/11/13 12:40	4/18/13 13:17	EPA 6010
7439-92-1	Lead	18		mg/kg dry	0.25	4/11/13 12:44	4/26/13 17:10	EPA 200.8
7439-95-4	Magnesium	140		mg/kg dry	25	4/11/13 12:40	4/18/13 13:17	EPA 6010
7439-96-5	Manganese	16		mg/kg dry	0.50	4/11/13 12:40	4/18/13 13:17	EPA 6010
7439-98-7	Molybdenum	1.0	U	mg/kg dry	1.0	4/11/13 12:40	4/18/13 13:17	EPA 6010
7440-02-0	Nickel	1.9		mg/kg dry	1.0	4/11/13 12:40	4/18/13 13:17	EPA 6010
7440-09-7	Potassium	160		mg/kg dry	100	4/11/13 12:40	4/18/13 13:17	EPA 6010
7782-49-2	Selenium	0.51		mg/kg dry	0.50	4/11/13 12:44	4/26/13 17:10	EPA 200.8
7440-22-4	Silver	0.50	U	mg/kg dry	0.50	4/11/13 12:40	4/18/13 13:17	EPA 6010
7440-23-5	Sodium	100	U	mg/kg dry	100	4/11/13 12:40	4/18/13 13:17	EPA 6010
7440-24-6	Strontium	4.4		mg/kg dry	0.50	4/11/13 12:40	4/18/13 13:17	EPA 6010
7440-28-0	Thallium	0.25	U	mg/kg dry	0.25	4/11/13 12:44	4/26/13 17:10	EPA 200.8
7440-31-5	Tin	1.5	U	mg/kg dry	1.5	4/11/13 12:40	4/18/13 13:17	EPA 6010
7440-32-6	Titanium	13		mg/kg dry	0.50	4/11/13 12:40	4/18/13 13:17	EPA 6010
7440-62-2	Vanadium	6.7		mg/kg dry	0.50	4/11/13 12:40	4/18/13 13:17	EPA 6010
7440-65-5	Yttrium	3.8		mg/kg dry	0.30	4/11/13 12:40	4/18/13 13:17	EPA 6010
7440-66-6	Zinc	9.8		mg/kg dry	1.0	4/11/13 12:40	4/18/13 13:17	EPA 6010

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Terri White

Physical Properties

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-003-SD
Station ID: GML003
Lab ID: E131406-06
Matrix: Sediment

Date Collected: 4/3/13 11:25

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1642941	% Solids	52		%	0.0	4/08/13 16:23	4/10/13 11:10	EPA 200.2

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Terri White

Total Metals

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-003-SW
Station ID: GML003

Lab ID: E131406-07
Matrix: Surface Water

Date Collected: 4/3/13 11:20

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7439-97-6	Mercury	0.10	U	ug/L	0.10	4/22/13 8:35	4/22/13 14:25	EPA 245.1
7429-90-5	Aluminum	610		ug/L	100	4/09/13 10:53	4/10/13 17:51	EPA 6010
7440-36-0	Antimony	1.0	U	ug/L	1.0	4/09/13 10:56	4/24/13 18:55	EPA 200.8
7440-38-2	Arsenic	1.0	U	ug/L	1.0	4/09/13 10:56	4/24/13 18:55	EPA 200.8
7440-39-3	Barium	20		ug/L	5.0	4/09/13 10:53	4/10/13 17:51	EPA 6010
7440-41-7	Beryllium	3.0	U	ug/L	3.0	4/09/13 10:53	4/10/13 17:51	EPA 6010
7440-43-9	Cadmium	0.50	U	ug/L	0.50	4/09/13 10:56	4/24/13 18:55	EPA 200.8
7440-70-2	Calcium	4500		ug/L	250	4/09/13 10:53	4/10/13 17:51	EPA 6010
7440-47-3	Chromium	5.0	U	ug/L	5.0	4/09/13 10:53	4/10/13 17:51	EPA 6010
7440-48-4	Cobalt	5.0	U	ug/L	5.0	4/09/13 10:53	4/10/13 17:51	EPA 6010
7440-50-8	Copper	10	U	ug/L	10	4/09/13 10:53	4/10/13 17:51	EPA 6010
7439-89-6	Iron	680		ug/L	100	4/09/13 10:53	4/10/13 17:51	EPA 6010
7439-92-1	Lead	6.0	U, B-4	ug/L	6.0	4/09/13 10:56	4/24/13 18:55	EPA 200.8
7439-95-4	Magnesium	870		ug/L	250	4/09/13 10:53	4/10/13 17:51	EPA 6010
7439-96-5	Manganese	41		ug/L	5.0	4/09/13 10:53	4/10/13 17:51	EPA 6010
7439-98-7	Molybdenum	10	U	ug/L	10	4/09/13 10:53	4/10/13 17:51	EPA 6010
7440-02-0	Nickel	10	U	ug/L	10	4/09/13 10:53	4/10/13 17:51	EPA 6010
7440-09-7	Potassium	1200		ug/L	1000	4/09/13 10:53	4/10/13 17:51	EPA 6010
7782-49-2	Selenium	2.0	U	ug/L	2.0	4/09/13 10:56	4/24/13 18:55	EPA 200.8
7440-22-4	Silver	5.0	U	ug/L	5.0	4/09/13 10:53	4/11/13 15:54	EPA 6010
7440-23-5	Sodium	8500		ug/L	1000	4/09/13 10:53	4/10/13 17:51	EPA 6010
7440-24-6	Strontium	14		ug/L	5.0	4/09/13 10:53	4/10/13 17:51	EPA 6010
7440-28-0	Thallium	1.0	U	ug/L	1.0	4/09/13 10:56	4/24/13 18:55	EPA 200.8
7440-31-5	Tin	15	U	ug/L	15	4/09/13 10:53	4/10/13 17:51	EPA 6010
7440-32-6	Titanium	9.1		ug/L	5.0	4/09/13 10:53	4/10/13 17:51	EPA 6010
7440-62-2	Vanadium	5.0	U	ug/L	5.0	4/09/13 10:53	4/10/13 17:51	EPA 6010
7440-65-5	Yttrium	3.0	U	ug/L	3.0	4/09/13 10:53	4/10/13 17:51	EPA 6010
7440-66-6	Zinc	10	U	ug/L	10	4/09/13 10:53	4/10/13 17:51	EPA 6010

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Terri White

Total Metals

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-004-SD
Station ID: GML004
Lab ID: E131406-08
Matrix: Sediment
Date Collected: 4/3/13 11:45

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7439-97-6	Mercury	0.12		mg/kg dry	0.020	4/19/13 9:42	4/19/13 15:48	EPA 7473
7429-90-5	Aluminum	3500		mg/kg dry	9.8	4/11/13 12:40	4/18/13 13:25	EPA 6010
7440-36-0	Antimony	0.25	U	mg/kg dry	0.25	4/11/13 12:44	4/26/13 17:15	EPA 200.8
7440-38-2	Arsenic	0.58		mg/kg dry	0.25	4/11/13 12:44	4/26/13 17:15	EPA 200.8
7440-39-3	Barium	44		mg/kg dry	0.49	4/11/13 12:40	4/18/13 13:25	EPA 6010
7440-41-7	Beryllium	0.29	U	mg/kg dry	0.29	4/11/13 12:40	4/18/13 13:25	EPA 6010
7440-43-9	Cadmium	0.13		mg/kg dry	0.12	4/11/13 12:44	4/26/13 17:15	EPA 200.8
7440-70-2	Calcium	710		mg/kg dry	25	4/11/13 12:40	4/18/13 13:25	EPA 6010
7440-47-3	Chromium	26		mg/kg dry	0.49	4/11/13 12:40	4/18/13 13:25	EPA 6010
7440-48-4	Cobalt	0.97		mg/kg dry	0.49	4/11/13 12:40	4/18/13 13:25	EPA 6010
7440-50-8	Copper	3.1		mg/kg dry	0.98	4/11/13 12:40	4/18/13 13:25	EPA 6010
7439-89-6	Iron	2700		mg/kg dry	9.8	4/11/13 12:40	4/18/13 13:25	EPA 6010
7439-92-1	Lead	25		mg/kg dry	0.25	4/11/13 12:44	4/26/13 17:15	EPA 200.8
7439-95-4	Magnesium	180		mg/kg dry	25	4/11/13 12:40	4/18/13 13:25	EPA 6010
7439-96-5	Manganese	15		mg/kg dry	0.49	4/11/13 12:40	4/18/13 13:25	EPA 6010
7439-98-7	Molybdenum	0.98	U	mg/kg dry	0.98	4/11/13 12:40	4/18/13 13:25	EPA 6010
7440-02-0	Nickel	1.7		mg/kg dry	0.98	4/11/13 12:40	4/18/13 13:25	EPA 6010
7440-09-7	Potassium	260		mg/kg dry	98	4/11/13 12:40	4/18/13 13:25	EPA 6010
7782-49-2	Selenium	0.49	U	mg/kg dry	0.49	4/11/13 12:44	4/26/13 17:15	EPA 200.8
7440-22-4	Silver	0.49	U	mg/kg dry	0.49	4/11/13 12:40	4/18/13 13:25	EPA 6010
7440-23-5	Sodium	98	U	mg/kg dry	98	4/11/13 12:40	4/18/13 13:25	EPA 6010
7440-24-6	Strontium	6.6		mg/kg dry	0.49	4/11/13 12:40	4/18/13 13:25	EPA 6010
7440-28-0	Thallium	0.25	U	mg/kg dry	0.25	4/11/13 12:44	4/26/13 17:15	EPA 200.8
7440-31-5	Tin	1.5	U	mg/kg dry	1.5	4/11/13 12:40	4/18/13 13:25	EPA 6010
7440-32-6	Titanium	11		mg/kg dry	0.49	4/11/13 12:40	4/18/13 13:25	EPA 6010
7440-62-2	Vanadium	4.3		mg/kg dry	0.49	4/11/13 12:40	4/18/13 13:25	EPA 6010
7440-65-5	Yttrium	3.0		mg/kg dry	0.29	4/11/13 12:40	4/18/13 13:25	EPA 6010
7440-66-6	Zinc	12		mg/kg dry	0.98	4/11/13 12:40	4/18/13 13:25	EPA 6010

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Terri White

Physical Properties

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-004-SD
Station ID: GML004
Lab ID: E131406-08
Matrix: Sediment

Date Collected: 4/3/13 11:45

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1642941	% Solids	45		%	0.0	4/08/13 16:23	4/10/13 11:10	EPA 200.2

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D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Terri White

Total Metals

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-004-SW
Station ID: GML004
Lab ID: E131406-09
Matrix: Surface Water

Date Collected: 4/3/13 11:40

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7439-97-6	Mercury	0.10	U	ug/L	0.10	4/22/13 8:35	4/22/13 14:25	EPA 245.1
7429-90-5	Aluminum	270		ug/L	100	4/09/13 10:53	4/10/13 17:57	EPA 6010
7440-36-0	Antimony	1.0	U	ug/L	1.0	4/09/13 10:56	4/24/13 19:00	EPA 200.8
7440-38-2	Arsenic	1.0	U	ug/L	1.0	4/09/13 10:56	4/24/13 19:00	EPA 200.8
7440-39-3	Barium	18		ug/L	5.0	4/09/13 10:53	4/10/13 17:57	EPA 6010
7440-41-7	Beryllium	3.0	U	ug/L	3.0	4/09/13 10:53	4/10/13 17:57	EPA 6010
7440-43-9	Cadmium	0.50	U	ug/L	0.50	4/09/13 10:56	4/24/13 19:00	EPA 200.8
7440-70-2	Calcium	3400		ug/L	250	4/09/13 10:53	4/10/13 17:57	EPA 6010
7440-47-3	Chromium	5.0	U	ug/L	5.0	4/09/13 10:53	4/10/13 17:57	EPA 6010
7440-48-4	Cobalt	5.0	U	ug/L	5.0	4/09/13 10:53	4/10/13 17:57	EPA 6010
7440-50-8	Copper	10	U	ug/L	10	4/09/13 10:53	4/10/13 17:57	EPA 6010
7439-89-6	Iron	480		ug/L	100	4/09/13 10:53	4/10/13 17:57	EPA 6010
7439-92-1	Lead	6.0	U, B-4	ug/L	6.0	4/09/13 10:56	4/24/13 19:00	EPA 200.8
7439-95-4	Magnesium	860		ug/L	250	4/09/13 10:53	4/10/13 17:57	EPA 6010
7439-96-5	Manganese	27		ug/L	5.0	4/09/13 10:53	4/10/13 17:57	EPA 6010
7439-98-7	Molybdenum	10	U	ug/L	10	4/09/13 10:53	4/10/13 17:57	EPA 6010
7440-02-0	Nickel	10	U	ug/L	10	4/09/13 10:53	4/10/13 17:57	EPA 6010
7440-09-7	Potassium	1100		ug/L	1000	4/09/13 10:53	4/10/13 17:57	EPA 6010
7782-49-2	Selenium	2.0	U	ug/L	2.0	4/09/13 10:56	4/24/13 19:00	EPA 200.8
7440-22-4	Silver	5.0	U	ug/L	5.0	4/09/13 10:53	4/11/13 15:59	EPA 6010
7440-23-5	Sodium	5700		ug/L	1000	4/09/13 10:53	4/10/13 17:57	EPA 6010
7440-24-6	Strontium	13		ug/L	5.0	4/09/13 10:53	4/10/13 17:57	EPA 6010
7440-28-0	Thallium	1.0	U	ug/L	1.0	4/09/13 10:56	4/24/13 19:00	EPA 200.8
7440-31-5	Tin	15	U	ug/L	15	4/09/13 10:53	4/10/13 17:57	EPA 6010
7440-32-6	Titanium	5.0	U	ug/L	5.0	4/09/13 10:53	4/10/13 17:57	EPA 6010
7440-62-2	Vanadium	5.0	U	ug/L	5.0	4/09/13 10:53	4/10/13 17:57	EPA 6010
7440-65-5	Yttrium	3.0	U	ug/L	3.0	4/09/13 10:53	4/10/13 17:57	EPA 6010
7440-66-6	Zinc	10	U	ug/L	10	4/09/13 10:53	4/10/13 17:57	EPA 6010

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980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Terri White

Total Metals

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-005-SD
Station ID: GML005
Lab ID: E131406-10
Matrix: Sediment

Date Collected: 4/3/13 13:31

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7439-97-6	Mercury	0.019	U	mg/kg dry	0.019	4/19/13 9:42	4/19/13 15:48	EPA 7473
7429-90-5	Aluminum	4200		mg/kg dry	9.8	4/11/13 12:40	4/18/13 13:30	EPA 6010
7440-36-0	Antimony	0.25	U	mg/kg dry	0.25	4/11/13 12:44	4/26/13 17:20	EPA 200.8
7440-38-2	Arsenic	1.3		mg/kg dry	0.25	4/11/13 12:44	4/26/13 17:20	EPA 200.8
7440-39-3	Barium	41		mg/kg dry	0.49	4/11/13 12:40	4/18/13 13:30	EPA 6010
7440-41-7	Beryllium	0.30	U	mg/kg dry	0.30	4/11/13 12:40	4/18/13 13:30	EPA 6010
7440-43-9	Cadmium	0.12	U	mg/kg dry	0.12	4/11/13 12:44	4/26/13 17:20	EPA 200.8
7440-70-2	Calcium	180		mg/kg dry	25	4/11/13 12:40	4/18/13 13:30	EPA 6010
7440-47-3	Chromium	3.0		mg/kg dry	0.49	4/11/13 12:40	4/18/13 13:30	EPA 6010
7440-48-4	Cobalt	0.49	U	mg/kg dry	0.49	4/11/13 12:40	4/18/13 13:30	EPA 6010
7440-50-8	Copper	2.5		mg/kg dry	0.98	4/11/13 12:40	4/18/13 13:30	EPA 6010
7439-89-6	Iron	2200		mg/kg dry	9.8	4/11/13 12:40	4/18/13 13:30	EPA 6010
7439-92-1	Lead	4.8		mg/kg dry	0.25	4/11/13 12:44	4/26/13 17:20	EPA 200.8
7439-95-4	Magnesium	130		mg/kg dry	25	4/11/13 12:40	4/18/13 13:30	EPA 6010
7439-96-5	Manganese	19		mg/kg dry	0.49	4/11/13 12:40	4/18/13 13:30	EPA 6010
7439-98-7	Molybdenum	0.98	U	mg/kg dry	0.98	4/11/13 12:40	4/18/13 13:30	EPA 6010
7440-02-0	Nickel	2.1		mg/kg dry	0.98	4/11/13 12:40	4/18/13 13:30	EPA 6010
7440-09-7	Potassium	98	U	mg/kg dry	98	4/11/13 12:40	4/18/13 13:30	EPA 6010
7782-49-2	Selenium	0.49	U	mg/kg dry	0.49	4/11/13 12:44	4/26/13 17:20	EPA 200.8
7440-22-4	Silver	0.49	U	mg/kg dry	0.49	4/11/13 12:40	4/18/13 13:30	EPA 6010
7440-23-5	Sodium	98	U	mg/kg dry	98	4/11/13 12:40	4/18/13 13:30	EPA 6010
7440-24-6	Strontium	6.1		mg/kg dry	0.49	4/11/13 12:40	4/18/13 13:30	EPA 6010
7440-28-0	Thallium	0.25	U	mg/kg dry	0.25	4/11/13 12:44	4/26/13 17:20	EPA 200.8
7440-31-5	Tin	1.5	U	mg/kg dry	1.5	4/11/13 12:40	4/18/13 13:30	EPA 6010
7440-32-6	Titanium	35		mg/kg dry	0.49	4/11/13 12:40	4/18/13 13:30	EPA 6010
7440-62-2	Vanadium	3.9		mg/kg dry	0.49	4/11/13 12:40	4/18/13 13:30	EPA 6010
7440-65-5	Yttrium	1.7		mg/kg dry	0.30	4/11/13 12:40	4/18/13 13:30	EPA 6010
7440-66-6	Zinc	8.3		mg/kg dry	0.98	4/11/13 12:40	4/18/13 13:30	EPA 6010

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Terri White

Physical Properties

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-005-SD
Station ID: GML005
Lab ID: E131406-10
Matrix: Sediment

Date Collected: 4/3/13 13:31

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1642941	% Solids	78		%	0.0	4/08/13 16:23	4/10/13 11:10	EPA 200.2

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
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D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Terri White

Total Metals

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-005-SW
Station ID: GML005
Lab ID: E131406-11
Matrix: Surface Water

Date Collected: 4/3/13 13:25

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7439-97-6	Mercury	0.10	U	ug/L	0.10	4/22/13 8:35	4/22/13 14:25	EPA 245.1
7429-90-5	Aluminum	370		ug/L	100	4/09/13 10:53	4/10/13 18:02	EPA 6010
7440-36-0	Antimony	1.0	U	ug/L	1.0	4/09/13 10:56	4/24/13 19:04	EPA 200.8
7440-38-2	Arsenic	1.0	U	ug/L	1.0	4/09/13 10:56	4/24/13 19:04	EPA 200.8
7440-39-3	Barium	14		ug/L	5.0	4/09/13 10:53	4/10/13 18:02	EPA 6010
7440-41-7	Beryllium	3.0	U	ug/L	3.0	4/09/13 10:53	4/10/13 18:02	EPA 6010
7440-43-9	Cadmium	0.50	U	ug/L	0.50	4/09/13 10:56	4/24/13 19:04	EPA 200.8
7440-70-2	Calcium	5700		ug/L	250	4/09/13 10:53	4/10/13 18:02	EPA 6010
7440-47-3	Chromium	5.0	U	ug/L	5.0	4/09/13 10:53	4/10/13 18:02	EPA 6010
7440-48-4	Cobalt	5.0	U	ug/L	5.0	4/09/13 10:53	4/10/13 18:02	EPA 6010
7440-50-8	Copper	10	U	ug/L	10	4/09/13 10:53	4/10/13 18:02	EPA 6010
7439-89-6	Iron	390		ug/L	100	4/09/13 10:53	4/10/13 18:02	EPA 6010
7439-92-1	Lead	6.0	U, B-4	ug/L	6.0	4/09/13 10:56	4/24/13 19:04	EPA 200.8
7439-95-4	Magnesium	1900		ug/L	250	4/09/13 10:53	4/10/13 18:02	EPA 6010
7439-96-5	Manganese	46		ug/L	5.0	4/09/13 10:53	4/10/13 18:02	EPA 6010
7439-98-7	Molybdenum	10	U	ug/L	10	4/09/13 10:53	4/10/13 18:02	EPA 6010
7440-02-0	Nickel	10	U	ug/L	10	4/09/13 10:53	4/10/13 18:02	EPA 6010
7440-09-7	Potassium	1000	U	ug/L	1000	4/09/13 10:53	4/10/13 18:02	EPA 6010
7782-49-2	Selenium	2.0	U	ug/L	2.0	4/09/13 10:56	4/24/13 19:04	EPA 200.8
7440-22-4	Silver	5.0	U	ug/L	5.0	4/09/13 10:53	4/11/13 16:04	EPA 6010
7440-23-5	Sodium	8800		ug/L	1000	4/09/13 10:53	4/10/13 18:02	EPA 6010
7440-24-6	Strontium	23		ug/L	5.0	4/09/13 10:53	4/10/13 18:02	EPA 6010
7440-28-0	Thallium	1.0	U	ug/L	1.0	4/09/13 10:56	4/24/13 19:04	EPA 200.8
7440-31-5	Tin	15	U	ug/L	15	4/09/13 10:53	4/10/13 18:02	EPA 6010
7440-32-6	Titanium	8.8		ug/L	5.0	4/09/13 10:53	4/10/13 18:02	EPA 6010
7440-62-2	Vanadium	5.0	U	ug/L	5.0	4/09/13 10:53	4/10/13 18:02	EPA 6010
7440-65-5	Yttrium	3.0	U	ug/L	3.0	4/09/13 10:53	4/10/13 18:02	EPA 6010
7440-66-6	Zinc	15		ug/L	10	4/09/13 10:53	4/10/13 18:02	EPA 6010

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Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Terri White

Total Metals

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-006-SD
Station ID: GML006
Lab ID: E131406-12
Matrix: Sediment
Date Collected: 4/3/13 11:10

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7439-97-6	Mercury	0.028		mg/kg dry	0.018	4/19/13 9:42	4/19/13 15:48	EPA 7473
7429-90-5	Aluminum	4200		mg/kg dry	9.9	4/11/13 12:40	4/18/13 13:36	EPA 6010
7440-36-0	Antimony	0.25	U	mg/kg dry	0.25	4/11/13 12:44	4/26/13 17:25	EPA 200.8
7440-38-2	Arsenic	0.84		mg/kg dry	0.25	4/11/13 12:44	4/26/13 17:25	EPA 200.8
7440-39-3	Barium	9.7		mg/kg dry	0.50	4/11/13 12:40	4/18/13 13:36	EPA 6010
7440-41-7	Beryllium	0.30	U	mg/kg dry	0.30	4/11/13 12:40	4/18/13 13:36	EPA 6010
7440-43-9	Cadmium	0.12	U	mg/kg dry	0.12	4/11/13 12:44	4/26/13 17:25	EPA 200.8
7440-70-2	Calcium	180		mg/kg dry	25	4/11/13 12:40	4/18/13 13:36	EPA 6010
7440-47-3	Chromium	14		mg/kg dry	0.50	4/11/13 12:40	4/18/13 13:36	EPA 6010
7440-48-4	Cobalt	0.50	U	mg/kg dry	0.50	4/11/13 12:40	4/18/13 13:36	EPA 6010
7440-50-8	Copper	2.6		mg/kg dry	0.99	4/11/13 12:40	4/18/13 13:36	EPA 6010
7439-89-6	Iron	4500		mg/kg dry	9.9	4/11/13 12:40	4/18/13 13:36	EPA 6010
7439-92-1	Lead	3.7		mg/kg dry	0.25	4/11/13 12:44	4/26/13 17:25	EPA 200.8
7439-95-4	Magnesium	89		mg/kg dry	25	4/11/13 12:40	4/18/13 13:36	EPA 6010
7439-96-5	Manganese	11		mg/kg dry	0.50	4/11/13 12:40	4/18/13 13:36	EPA 6010
7439-98-7	Molybdenum	0.99	U	mg/kg dry	0.99	4/11/13 12:40	4/18/13 13:36	EPA 6010
7440-02-0	Nickel	1.2		mg/kg dry	0.99	4/11/13 12:40	4/18/13 13:36	EPA 6010
7440-09-7	Potassium	99	U	mg/kg dry	99	4/11/13 12:40	4/18/13 13:36	EPA 6010
7782-49-2	Selenium	0.50	U	mg/kg dry	0.50	4/11/13 12:44	4/26/13 17:25	EPA 200.8
7440-22-4	Silver	0.50	U	mg/kg dry	0.50	4/11/13 12:40	4/18/13 13:36	EPA 6010
7440-23-5	Sodium	99	U	mg/kg dry	99	4/11/13 12:40	4/18/13 13:36	EPA 6010
7440-24-6	Strontium	1.4		mg/kg dry	0.50	4/11/13 12:40	4/18/13 13:36	EPA 6010
7440-28-0	Thallium	0.25	U	mg/kg dry	0.25	4/11/13 12:44	4/26/13 17:25	EPA 200.8
7440-31-5	Tin	1.5	U	mg/kg dry	1.5	4/11/13 12:40	4/18/13 13:36	EPA 6010
7440-32-6	Titanium	25		mg/kg dry	0.50	4/11/13 12:40	4/18/13 13:36	EPA 6010
7440-62-2	Vanadium	14		mg/kg dry	0.50	4/11/13 12:40	4/18/13 13:36	EPA 6010
7440-65-5	Yttrium	1.2		mg/kg dry	0.30	4/11/13 12:40	4/18/13 13:36	EPA 6010
7440-66-6	Zinc	20		mg/kg dry	0.99	4/11/13 12:40	4/18/13 13:36	EPA 6010

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Terri White

Physical Properties

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-006-SD
Station ID: GML006
Lab ID: E131406-12
Matrix: Sediment

Date Collected: 4/3/13 11:10

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1642941	% Solids	74		%	0.0	4/08/13 16:23	4/10/13 11:10	EPA 200.2

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
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D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Terri White

Total Metals

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-006-SW
Station ID: GML006

Lab ID: E131406-13
Matrix: Surface Water

Date Collected: 4/3/13 11:05

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7439-97-6	Mercury	0.10	U	ug/L	0.10	4/22/13 8:35	4/22/13 14:25	EPA 245.1
7429-90-5	Aluminum	310		ug/L	100	4/09/13 10:53	4/10/13 18:07	EPA 6010
7440-36-0	Antimony	1.0	U	ug/L	1.0	4/09/13 10:56	4/24/13 19:09	EPA 200.8
7440-38-2	Arsenic	1.0	U	ug/L	1.0	4/09/13 10:56	4/24/13 19:09	EPA 200.8
7440-39-3	Barium	13		ug/L	5.0	4/09/13 10:53	4/10/13 18:07	EPA 6010
7440-41-7	Beryllium	3.0	U	ug/L	3.0	4/09/13 10:53	4/10/13 18:07	EPA 6010
7440-43-9	Cadmium	0.50	U	ug/L	0.50	4/09/13 10:56	4/24/13 19:09	EPA 200.8
7440-70-2	Calcium	14000		ug/L	250	4/09/13 10:53	4/10/13 18:07	EPA 6010
7440-47-3	Chromium	5.0	U	ug/L	5.0	4/09/13 10:53	4/10/13 18:07	EPA 6010
7440-48-4	Cobalt	5.0	U	ug/L	5.0	4/09/13 10:53	4/10/13 18:07	EPA 6010
7440-50-8	Copper	10	U	ug/L	10	4/09/13 10:53	4/10/13 18:07	EPA 6010
7439-89-6	Iron	4200		ug/L	100	4/09/13 10:53	4/10/13 18:07	EPA 6010
7439-92-1	Lead	6.0	U, B-4	ug/L	6.0	4/09/13 10:56	4/24/13 19:09	EPA 200.8
7439-95-4	Magnesium	980		ug/L	250	4/09/13 10:53	4/10/13 18:07	EPA 6010
7439-96-5	Manganese	230		ug/L	5.0	4/09/13 10:53	4/10/13 18:07	EPA 6010
7439-98-7	Molybdenum	10	U	ug/L	10	4/09/13 10:53	4/10/13 18:07	EPA 6010
7440-02-0	Nickel	10	U	ug/L	10	4/09/13 10:53	4/10/13 18:07	EPA 6010
7440-09-7	Potassium	1000	U	ug/L	1000	4/09/13 10:53	4/10/13 18:07	EPA 6010
7782-49-2	Selenium	2.0	U	ug/L	2.0	4/09/13 10:56	4/24/13 19:09	EPA 200.8
7440-22-4	Silver	5.0	U	ug/L	5.0	4/09/13 10:53	4/11/13 16:09	EPA 6010
7440-23-5	Sodium	3900		ug/L	1000	4/09/13 10:53	4/10/13 18:07	EPA 6010
7440-24-6	Strontium	30		ug/L	5.0	4/09/13 10:53	4/10/13 18:07	EPA 6010
7440-28-0	Thallium	1.0	U	ug/L	1.0	4/09/13 10:56	4/24/13 19:09	EPA 200.8
7440-31-5	Tin	15	U	ug/L	15	4/09/13 10:53	4/10/13 18:07	EPA 6010
7440-32-6	Titanium	5.8		ug/L	5.0	4/09/13 10:53	4/10/13 18:07	EPA 6010
7440-62-2	Vanadium	5.0	U	ug/L	5.0	4/09/13 10:53	4/10/13 18:07	EPA 6010
7440-65-5	Yttrium	3.0	U	ug/L	3.0	4/09/13 10:53	4/10/13 18:07	EPA 6010
7440-66-6	Zinc	12		ug/L	10	4/09/13 10:53	4/10/13 18:07	EPA 6010

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
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D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Terri White

Total Metals

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-007-SD
Station ID: GML007

Lab ID: E131406-14
Matrix: Sediment

Date Collected: 4/3/13 11:26

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7439-97-6	Mercury	0.020	U	mg/kg dry	0.020	4/19/13 9:42	4/19/13 15:48	EPA 7473
7429-90-5	Aluminum	1700		mg/kg dry	10	4/11/13 12:40	4/18/13 13:41	EPA 6010
7440-36-0	Antimony	0.25	U	mg/kg dry	0.25	4/11/13 12:44	4/26/13 17:29	EPA 200.8
7440-38-2	Arsenic	0.25	U	mg/kg dry	0.25	4/11/13 12:44	4/26/13 17:29	EPA 200.8
7440-39-3	Barium	4.6		mg/kg dry	0.50	4/11/13 12:40	4/18/13 13:41	EPA 6010
7440-41-7	Beryllium	0.30	U	mg/kg dry	0.30	4/11/13 12:40	4/18/13 13:41	EPA 6010
7440-43-9	Cadmium	0.12	U	mg/kg dry	0.12	4/11/13 12:44	4/26/13 17:29	EPA 200.8
7440-70-2	Calcium	120		mg/kg dry	25	4/11/13 12:40	4/18/13 13:41	EPA 6010
7440-47-3	Chromium	3.1		mg/kg dry	0.50	4/11/13 12:40	4/18/13 13:41	EPA 6010
7440-48-4	Cobalt	0.50	U	mg/kg dry	0.50	4/11/13 12:40	4/18/13 13:41	EPA 6010
7440-50-8	Copper	1.0	U	mg/kg dry	1.0	4/11/13 12:40	4/18/13 13:41	EPA 6010
7439-89-6	Iron	1100		mg/kg dry	10	4/11/13 12:40	4/18/13 13:41	EPA 6010
7439-92-1	Lead	1.3		mg/kg dry	0.25	4/11/13 12:44	4/26/13 17:29	EPA 200.8
7439-95-4	Magnesium	34		mg/kg dry	25	4/11/13 12:40	4/18/13 13:41	EPA 6010
7439-96-5	Manganese	7.6		mg/kg dry	0.50	4/11/13 12:40	4/18/13 13:41	EPA 6010
7439-98-7	Molybdenum	1.0	U	mg/kg dry	1.0	4/11/13 12:40	4/18/13 13:41	EPA 6010
7440-02-0	Nickel	1.0	U	mg/kg dry	1.0	4/11/13 12:40	4/18/13 13:41	EPA 6010
7440-09-7	Potassium	100	U	mg/kg dry	100	4/11/13 12:40	4/18/13 13:41	EPA 6010
7782-49-2	Selenium	0.50	U	mg/kg dry	0.50	4/11/13 12:44	4/26/13 17:29	EPA 200.8
7440-22-4	Silver	0.50	U	mg/kg dry	0.50	4/11/13 12:40	4/18/13 13:41	EPA 6010
7440-23-5	Sodium	100	U	mg/kg dry	100	4/11/13 12:40	4/18/13 13:41	EPA 6010
7440-24-6	Strontium	0.75		mg/kg dry	0.50	4/11/13 12:40	4/18/13 13:41	EPA 6010
7440-28-0	Thallium	0.25	U	mg/kg dry	0.25	4/11/13 12:44	4/26/13 17:29	EPA 200.8
7440-31-5	Tin	1.5	U	mg/kg dry	1.5	4/11/13 12:40	4/18/13 13:41	EPA 6010
7440-32-6	Titanium	13		mg/kg dry	0.50	4/11/13 12:40	4/18/13 13:41	EPA 6010
7440-62-2	Vanadium	3.6		mg/kg dry	0.50	4/11/13 12:40	4/18/13 13:41	EPA 6010
7440-65-5	Yttrium	0.62		mg/kg dry	0.30	4/11/13 12:40	4/18/13 13:41	EPA 6010
7440-66-6	Zinc	2.4		mg/kg dry	1.0	4/11/13 12:40	4/18/13 13:41	EPA 6010

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Terri White

Physical Properties

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-007-SD
Station ID: GML007
Lab ID: E131406-14
Matrix: Sediment

Date Collected: 4/3/13 11:26

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1642941	% Solids	80		%	0.0	4/08/13 16:23	4/10/13 11:10	EPA 200.2

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
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D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Terri White

Total Metals

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-007-SW
Station ID: GML007
Lab ID: E131406-15
Matrix: Surface Water

Date Collected: 4/3/13 11:21

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7439-97-6	Mercury	0.10	U	ug/L	0.10	4/22/13 8:35	4/22/13 14:25	EPA 245.1
7429-90-5	Aluminum	4800		ug/L	100	4/09/13 10:53	4/10/13 18:12	EPA 6010
7440-36-0	Antimony	1.0	U	ug/L	1.0	4/09/13 10:56	4/24/13 19:14	EPA 200.8
7440-38-2	Arsenic	1.2		ug/L	1.0	4/09/13 10:56	4/24/13 19:14	EPA 200.8
7440-39-3	Barium	10		ug/L	5.0	4/09/13 10:53	4/10/13 18:12	EPA 6010
7440-41-7	Beryllium	3.0	U	ug/L	3.0	4/09/13 10:53	4/10/13 18:12	EPA 6010
7440-43-9	Cadmium	0.50	U	ug/L	0.50	4/09/13 10:56	4/24/13 19:14	EPA 200.8
7440-70-2	Calcium	1700		ug/L	250	4/09/13 10:53	4/10/13 18:12	EPA 6010
7440-47-3	Chromium	7.2		ug/L	5.0	4/09/13 10:53	4/10/13 18:12	EPA 6010
7440-48-4	Cobalt	5.0	U	ug/L	5.0	4/09/13 10:53	4/10/13 18:12	EPA 6010
7440-50-8	Copper	10	U	ug/L	10	4/09/13 10:53	4/10/13 18:12	EPA 6010
7439-89-6	Iron	3300		ug/L	100	4/09/13 10:53	4/10/13 18:12	EPA 6010
7439-92-1	Lead	6.0	U, B-4	ug/L	6.0	4/09/13 10:56	4/24/13 19:14	EPA 200.8
7439-95-4	Magnesium	710		ug/L	250	4/09/13 10:53	4/10/13 18:12	EPA 6010
7439-96-5	Manganese	30		ug/L	5.0	4/09/13 10:53	4/10/13 18:12	EPA 6010
7439-98-7	Molybdenum	10	U	ug/L	10	4/09/13 10:53	4/10/13 18:12	EPA 6010
7440-02-0	Nickel	10	U	ug/L	10	4/09/13 10:53	4/10/13 18:12	EPA 6010
7440-09-7	Potassium	1700		ug/L	1000	4/09/13 10:53	4/10/13 18:12	EPA 6010
7782-49-2	Selenium	2.0	U	ug/L	2.0	4/09/13 10:56	4/24/13 19:14	EPA 200.8
7440-22-4	Silver	5.0	U	ug/L	5.0	4/09/13 10:53	4/11/13 16:14	EPA 6010
7440-23-5	Sodium	17000		ug/L	1000	4/09/13 10:53	4/10/13 18:12	EPA 6010
7440-24-6	Strontium	5.7		ug/L	5.0	4/09/13 10:53	4/10/13 18:12	EPA 6010
7440-28-0	Thallium	1.0	U	ug/L	1.0	4/09/13 10:56	4/24/13 19:14	EPA 200.8
7440-31-5	Tin	15	U	ug/L	15	4/09/13 10:53	4/10/13 18:12	EPA 6010
7440-32-6	Titanium	48		ug/L	5.0	4/09/13 10:53	4/10/13 18:12	EPA 6010
7440-62-2	Vanadium	9.4		ug/L	5.0	4/09/13 10:53	4/10/13 18:12	EPA 6010
7440-65-5	Yttrium	3.0	U	ug/L	3.0	4/09/13 10:53	4/10/13 18:12	EPA 6010
7440-66-6	Zinc	10		ug/L	10	4/09/13 10:53	4/10/13 18:12	EPA 6010

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980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Terri White

Total Metals

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-008-SF
Station ID: GML008
Lab ID: E131406-16
Matrix: Surface Soil
Date Collected: 4/3/13 12:30

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7439-97-6	Mercury	0.021		mg/kg dry	0.020	4/19/13 9:42	4/19/13 15:48	EPA 7473
7429-90-5	Aluminum	3700		mg/kg dry	9.9	4/11/13 12:40	4/18/13 14:36	EPA 6010
7440-36-0	Antimony	0.25	U	mg/kg dry	0.25	4/11/13 12:44	4/26/13 17:34	EPA 200.8
7440-38-2	Arsenic	0.80		mg/kg dry	0.25	4/11/13 12:44	4/26/13 17:34	EPA 200.8
7440-39-3	Barium	14		mg/kg dry	0.50	4/11/13 12:40	4/18/13 14:36	EPA 6010
7440-41-7	Beryllium	0.30	U	mg/kg dry	0.30	4/11/13 12:40	4/18/13 14:36	EPA 6010
7440-43-9	Cadmium	0.12	U	mg/kg dry	0.12	4/11/13 12:44	4/26/13 17:34	EPA 200.8
7440-70-2	Calcium	370		mg/kg dry	25	4/11/13 12:40	4/18/13 14:36	EPA 6010
7440-47-3	Chromium	2.6		mg/kg dry	0.50	4/11/13 12:40	4/18/13 14:36	EPA 6010
7440-48-4	Cobalt	0.50	U	mg/kg dry	0.50	4/11/13 12:40	4/18/13 14:36	EPA 6010
7440-50-8	Copper	1.5		mg/kg dry	0.99	4/11/13 12:40	4/18/13 14:36	EPA 6010
7439-89-6	Iron	2100		mg/kg dry	9.9	4/11/13 12:40	4/18/13 14:36	EPA 6010
7439-92-1	Lead	7.6		mg/kg dry	0.25	4/11/13 12:44	4/26/13 17:34	EPA 200.8
7439-95-4	Magnesium	130		mg/kg dry	25	4/11/13 12:40	4/18/13 14:36	EPA 6010
7439-96-5	Manganese	95		mg/kg dry	0.50	4/11/13 12:40	4/18/13 14:36	EPA 6010
7439-98-7	Molybdenum	0.99	U	mg/kg dry	0.99	4/11/13 12:40	4/18/13 14:36	EPA 6010
7440-02-0	Nickel	1.8		mg/kg dry	0.99	4/11/13 12:40	4/18/13 14:36	EPA 6010
7440-09-7	Potassium	100		mg/kg dry	99	4/11/13 12:40	4/18/13 14:36	EPA 6010
7782-49-2	Selenium	0.50	U	mg/kg dry	0.50	4/11/13 12:44	4/26/13 17:34	EPA 200.8
7440-22-4	Silver	0.50	U	mg/kg dry	0.50	4/11/13 12:40	4/18/13 14:36	EPA 6010
7440-23-5	Sodium	99	U	mg/kg dry	99	4/11/13 12:40	4/18/13 14:36	EPA 6010
7440-24-6	Strontium	1.9		mg/kg dry	0.50	4/11/13 12:40	4/18/13 14:36	EPA 6010
7440-28-0	Thallium	0.25	U	mg/kg dry	0.25	4/11/13 12:44	4/26/13 17:34	EPA 200.8
7440-31-5	Tin	1.5	U	mg/kg dry	1.5	4/11/13 12:40	4/18/13 14:36	EPA 6010
7440-32-6	Titanium	24		mg/kg dry	0.50	4/11/13 12:40	4/18/13 14:36	EPA 6010
7440-62-2	Vanadium	5.2		mg/kg dry	0.50	4/11/13 12:40	4/18/13 14:36	EPA 6010
7440-65-5	Yttrium	2.9		mg/kg dry	0.30	4/11/13 12:40	4/18/13 14:36	EPA 6010
7440-66-6	Zinc	7.8		mg/kg dry	0.99	4/11/13 12:40	4/18/13 14:36	EPA 6010

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980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Terri White

Physical Properties

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-008-SF
Station ID: GML008
Lab ID: E131406-16
Matrix: Surface Soil

Date Collected: 4/3/13 12:30

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1642941	% Solids	89		%	0.0	4/08/13 16:23	4/10/13 11:10	EPA 200.2

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
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980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Terri White

Total Metals

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-009-SF
Station ID: GML009
Lab ID: E131406-17
Matrix: Surface Soil

Date Collected: 4/3/13 11:34

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7439-97-6	Mercury	2.7		mg/kg dry	0.20	4/23/13 8:19	4/23/13 11:46	EPA 7473
7429-90-5	Aluminum	5100		mg/kg dry	80	4/11/13 12:40	4/18/13 14:41	EPA 6010
7440-36-0	Antimony	5.0		mg/kg dry	1.0	4/11/13 12:44	4/26/13 17:39	EPA 200.8
7440-38-2	Arsenic	2.5		mg/kg dry	1.0	4/11/13 12:44	4/26/13 17:39	EPA 200.8
7440-39-3	Barium	390		mg/kg dry	4.0	4/11/13 12:40	4/18/13 14:41	EPA 6010
7440-41-7	Beryllium	2.4	U	mg/kg dry	2.4	4/11/13 12:40	4/18/13 14:41	EPA 6010
7440-43-9	Cadmium	6.0		mg/kg dry	0.50	4/11/13 12:44	4/26/13 17:39	EPA 200.8
7440-70-2	Calcium	9000		mg/kg dry	200	4/11/13 12:40	4/18/13 14:41	EPA 6010
7440-47-3	Chromium	6300		mg/kg dry	4.0	4/11/13 12:40	4/18/13 14:41	EPA 6010
7440-48-4	Cobalt	4.0	U	mg/kg dry	4.0	4/11/13 12:40	4/18/13 14:41	EPA 6010
7440-50-8	Copper	180		mg/kg dry	8.0	4/11/13 12:40	4/18/13 14:41	EPA 6010
7439-89-6	Iron	13000		mg/kg dry	80	4/11/13 12:40	4/18/13 14:41	EPA 6010
7439-92-1	Lead	120		mg/kg dry	1.0	4/11/13 12:44	4/26/13 17:39	EPA 200.8
7439-95-4	Magnesium	2400		mg/kg dry	200	4/11/13 12:40	4/18/13 14:41	EPA 6010
7439-96-5	Manganese	510		mg/kg dry	4.0	4/11/13 12:40	4/18/13 14:41	EPA 6010
7439-98-7	Molybdenum	8.0	U	mg/kg dry	8.0	4/11/13 12:40	4/18/13 14:41	EPA 6010
7440-02-0	Nickel	28		mg/kg dry	8.0	4/11/13 12:40	4/18/13 14:41	EPA 6010
7440-09-7	Potassium	800	U	mg/kg dry	800	4/11/13 12:40	4/18/13 14:41	EPA 6010
7782-49-2	Selenium	2.5		mg/kg dry	2.0	4/11/13 12:44	4/26/13 17:39	EPA 200.8
7440-22-4	Silver	4.0	U	mg/kg dry	4.0	4/11/13 12:40	4/18/13 14:41	EPA 6010
7440-23-5	Sodium	800	U	mg/kg dry	800	4/11/13 12:40	4/18/13 14:41	EPA 6010
7440-24-6	Strontium	100		mg/kg dry	4.0	4/11/13 12:40	4/18/13 14:41	EPA 6010
7440-28-0	Thallium	1.0	U	mg/kg dry	1.0	4/11/13 12:44	4/26/13 17:39	EPA 200.8
7440-31-5	Tin	13		mg/kg dry	12	4/11/13 12:40	4/18/13 14:41	EPA 6010
7440-32-6	Titanium	37		mg/kg dry	4.0	4/11/13 12:40	4/18/13 14:41	EPA 6010
7440-62-2	Vanadium	32		mg/kg dry	4.0	4/11/13 12:40	4/18/13 14:41	EPA 6010
7440-65-5	Yttrium	2.4	U	mg/kg dry	2.4	4/11/13 12:40	4/18/13 14:41	EPA 6010
7440-66-6	Zinc	4800		mg/kg dry	8.0	4/11/13 12:40	4/18/13 14:41	EPA 6010

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D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Terri White

Physical Properties

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-009-SF
Station ID: GML009
Lab ID: E131406-17
Matrix: Surface Soil

Date Collected: 4/3/13 11:34

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1642941	% Solids	51		%	0.0	4/08/13 16:23	4/10/13 11:10	EPA 200.2

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Total Metals

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-010-SF
Station ID: GML010
Lab ID: E131406-18
Matrix: Surface Soil

Date Collected: 4/3/13 11:45

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7439-97-6	Mercury	3.1		mg/kg dry	0.20	4/23/13 8:19	4/23/13 11:46	EPA 7473
7429-90-5	Aluminum	2300		mg/kg dry	20	4/11/13 12:40	4/18/13 14:58	EPA 6010
7440-36-0	Antimony	72		mg/kg dry	0.99	4/11/13 12:44	4/26/13 17:43	EPA 200.8
7440-38-2	Arsenic	5.8		mg/kg dry	0.99	4/11/13 12:44	4/26/13 17:43	EPA 200.8
7440-39-3	Barium	160		mg/kg dry	0.99	4/11/13 12:40	4/18/13 14:58	EPA 6010
7440-41-7	Beryllium	0.59	U	mg/kg dry	0.59	4/11/13 12:40	4/18/13 14:58	EPA 6010
7440-43-9	Cadmium	1.2		mg/kg dry	0.49	4/11/13 12:44	4/26/13 17:43	EPA 200.8
7440-70-2	Calcium	570		mg/kg dry	49	4/11/13 12:40	4/18/13 14:58	EPA 6010
7440-47-3	Chromium	1900		mg/kg dry	0.99	4/11/13 12:40	4/18/13 14:58	EPA 6010
7440-48-4	Cobalt	1.3		mg/kg dry	0.99	4/11/13 12:40	4/18/13 14:58	EPA 6010
7440-50-8	Copper	220		mg/kg dry	2.0	4/11/13 12:40	4/18/13 14:58	EPA 6010
7439-89-6	Iron	6600		mg/kg dry	20	4/11/13 12:40	4/18/13 14:58	EPA 6010
7439-92-1	Lead	84		mg/kg dry	0.99	4/11/13 12:44	4/26/13 17:43	EPA 200.8
7439-95-4	Magnesium	360		mg/kg dry	49	4/11/13 12:40	4/18/13 14:58	EPA 6010
7439-96-5	Manganese	18		mg/kg dry	0.99	4/11/13 12:40	4/18/13 14:58	EPA 6010
7439-98-7	Molybdenum	2.4		mg/kg dry	2.0	4/11/13 12:40	4/18/13 14:58	EPA 6010
7440-02-0	Nickel	39		mg/kg dry	2.0	4/11/13 12:40	4/18/13 14:58	EPA 6010
7440-09-7	Potassium	200	U	mg/kg dry	200	4/11/13 12:40	4/18/13 14:58	EPA 6010
7782-49-2	Selenium	2.0	U	mg/kg dry	2.0	4/11/13 12:44	4/26/13 17:43	EPA 200.8
7440-22-4	Silver	0.99	U	mg/kg dry	0.99	4/11/13 12:40	4/18/13 14:58	EPA 6010
7440-23-5	Sodium	200	U	mg/kg dry	200	4/11/13 12:40	4/18/13 14:58	EPA 6010
7440-24-6	Strontium	7.7		mg/kg dry	0.99	4/11/13 12:40	4/18/13 14:58	EPA 6010
7440-28-0	Thallium	0.99	U	mg/kg dry	0.99	4/11/13 12:44	4/26/13 17:43	EPA 200.8
7440-31-5	Tin	25		mg/kg dry	3.0	4/11/13 12:40	4/18/13 14:58	EPA 6010
7440-32-6	Titanium	69		mg/kg dry	0.99	4/11/13 12:40	4/18/13 14:58	EPA 6010
7440-62-2	Vanadium	330		mg/kg dry	0.99	4/11/13 12:40	4/18/13 14:58	EPA 6010
7440-65-5	Yttrium	1.9		mg/kg dry	0.59	4/11/13 12:40	4/18/13 14:58	EPA 6010
7440-66-6	Zinc	110		mg/kg dry	2.0	4/11/13 12:40	4/18/13 14:58	EPA 6010

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Project: 13-0295, Greenwood Mills Liner Plt - Reported by Terri White

Physical Properties

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-010-SF
Station ID: GML010
Lab ID: E131406-18
Matrix: Surface Soil

Date Collected: 4/3/13 11:45

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1642941	% Solids	90		%	0.0	4/08/13 16:23	4/10/13 11:10	EPA 200.2

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Total Metals

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-011-SF
Station ID: GML011
Lab ID: E131406-19
Matrix: Surface Soil
Date Collected: 4/3/13 12:08

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7439-97-6	Mercury	0.020	U	mg/kg dry	0.020	4/23/13 8:19	4/23/13 11:46	EPA 7473
7429-90-5	Aluminum	2500		mg/kg dry	9.9	4/11/13 12:40	4/18/13 15:06	EPA 6010
7440-36-0	Antimony	0.25		mg/kg dry	0.25	4/11/13 12:44	4/26/13 18:02	EPA 200.8
7440-38-2	Arsenic	0.55		mg/kg dry	0.25	4/11/13 12:44	4/26/13 18:02	EPA 200.8
7440-39-3	Barium	11		mg/kg dry	0.49	4/11/13 12:40	4/18/13 15:06	EPA 6010
7440-41-7	Beryllium	0.30	U	mg/kg dry	0.30	4/11/13 12:40	4/18/13 15:06	EPA 6010
7440-43-9	Cadmium	0.14		mg/kg dry	0.12	4/11/13 12:44	4/26/13 18:02	EPA 200.8
7440-70-2	Calcium	77		mg/kg dry	25	4/11/13 12:40	4/18/13 15:06	EPA 6010
7440-47-3	Chromium	380		mg/kg dry	0.49	4/11/13 12:40	4/18/13 15:06	EPA 6010
7440-48-4	Cobalt	0.49	U	mg/kg dry	0.49	4/11/13 12:40	4/18/13 15:06	EPA 6010
7440-50-8	Copper	3.6		mg/kg dry	0.99	4/11/13 12:40	4/18/13 15:06	EPA 6010
7439-89-6	Iron	3700		mg/kg dry	9.9	4/11/13 12:40	4/18/13 15:06	EPA 6010
7439-92-1	Lead	3.5		mg/kg dry	0.25	4/11/13 12:44	4/26/13 18:02	EPA 200.8
7439-95-4	Magnesium	66		mg/kg dry	25	4/11/13 12:40	4/18/13 15:06	EPA 6010
7439-96-5	Manganese	3.5		mg/kg dry	0.49	4/11/13 12:40	4/18/13 15:06	EPA 6010
7439-98-7	Molybdenum	0.99	U	mg/kg dry	0.99	4/11/13 12:40	4/18/13 15:06	EPA 6010
7440-02-0	Nickel	1.1		mg/kg dry	0.99	4/11/13 12:40	4/18/13 15:06	EPA 6010
7440-09-7	Potassium	99	U	mg/kg dry	99	4/11/13 12:40	4/18/13 15:06	EPA 6010
7782-49-2	Selenium	0.49	U	mg/kg dry	0.49	4/11/13 12:44	4/26/13 18:02	EPA 200.8
7440-22-4	Silver	0.49	U	mg/kg dry	0.49	4/11/13 12:40	4/18/13 15:06	EPA 6010
7440-23-5	Sodium	99	U	mg/kg dry	99	4/11/13 12:40	4/18/13 15:06	EPA 6010
7440-24-6	Strontium	1.7		mg/kg dry	0.49	4/11/13 12:40	4/18/13 15:06	EPA 6010
7440-28-0	Thallium	0.25	U	mg/kg dry	0.25	4/11/13 12:44	4/26/13 18:02	EPA 200.8
7440-31-5	Tin	1.5	U	mg/kg dry	1.5	4/11/13 12:40	4/18/13 15:06	EPA 6010
7440-32-6	Titanium	18		mg/kg dry	0.49	4/11/13 12:40	4/18/13 15:06	EPA 6010
7440-62-2	Vanadium	14		mg/kg dry	0.49	4/11/13 12:40	4/18/13 15:06	EPA 6010
7440-65-5	Yttrium	0.43		mg/kg dry	0.30	4/11/13 12:40	4/18/13 15:06	EPA 6010
7440-66-6	Zinc	17		mg/kg dry	0.99	4/11/13 12:40	4/18/13 15:06	EPA 6010

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Project: 13-0295, Greenwood Mills Liner Plt - Reported by Terri White

Physical Properties

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-011-SF
Station ID: GML011
Lab ID: E131406-19
Matrix: Surface Soil

Date Collected: 4/3/13 12:08

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1642941	% Solids	92		%	0.0	4/08/13 16:23	4/10/13 11:10	EPA 200.2

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Total Metals

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-012-SF
Station ID: GML012
Lab ID: E131406-20
Matrix: Surface Soil
Date Collected: 4/3/13 12:15

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7439-97-6	Mercury	0.039		mg/kg dry	0.020	4/23/13 8:19	4/23/13 11:46	EPA 7473
7429-90-5	Aluminum	2900		mg/kg dry	10	4/11/13 12:40	4/18/13 15:15	EPA 6010
7440-36-0	Antimony	1.7		mg/kg dry	0.25	4/11/13 12:44	4/26/13 18:07	EPA 200.8
7440-38-2	Arsenic	1.1		mg/kg dry	0.25	4/11/13 12:44	4/26/13 18:07	EPA 200.8
7440-39-3	Barium	31		mg/kg dry	0.50	4/11/13 12:40	4/18/13 15:15	EPA 6010
7440-41-7	Beryllium	0.30	U	mg/kg dry	0.30	4/11/13 12:40	4/18/13 15:15	EPA 6010
7440-43-9	Cadmium	0.15		mg/kg dry	0.12	4/11/13 12:44	4/26/13 18:07	EPA 200.8
7440-70-2	Calcium	200		mg/kg dry	25	4/11/13 12:40	4/18/13 15:15	EPA 6010
7440-47-3	Chromium	350		mg/kg dry	0.50	4/11/13 12:40	4/18/13 15:15	EPA 6010
7440-48-4	Cobalt	0.50	U	mg/kg dry	0.50	4/11/13 12:40	4/18/13 15:15	EPA 6010
7440-50-8	Copper	25		mg/kg dry	1.0	4/11/13 12:40	4/18/13 15:15	EPA 6010
7439-89-6	Iron	3900		mg/kg dry	10	4/11/13 12:40	4/18/13 15:15	EPA 6010
7439-92-1	Lead	7.1		mg/kg dry	0.25	4/11/13 12:44	4/26/13 18:07	EPA 200.8
7439-95-4	Magnesium	93		mg/kg dry	25	4/11/13 12:40	4/18/13 15:15	EPA 6010
7439-96-5	Manganese	3.8		mg/kg dry	0.50	4/11/13 12:40	4/18/13 15:15	EPA 6010
7439-98-7	Molybdenum	1.0	U	mg/kg dry	1.0	4/11/13 12:40	4/18/13 15:15	EPA 6010
7440-02-0	Nickel	4.3		mg/kg dry	1.0	4/11/13 12:40	4/18/13 15:15	EPA 6010
7440-09-7	Potassium	100	U	mg/kg dry	100	4/11/13 12:40	4/18/13 15:15	EPA 6010
7782-49-2	Selenium	0.50	U	mg/kg dry	0.50	4/11/13 12:44	4/26/13 18:07	EPA 200.8
7440-22-4	Silver	0.50	U	mg/kg dry	0.50	4/11/13 12:40	4/18/13 15:15	EPA 6010
7440-23-5	Sodium	100	U	mg/kg dry	100	4/11/13 12:40	4/18/13 15:15	EPA 6010
7440-24-6	Strontium	3.3		mg/kg dry	0.50	4/11/13 12:40	4/18/13 15:15	EPA 6010
7440-28-0	Thallium	0.25	U	mg/kg dry	0.25	4/11/13 12:44	4/26/13 18:07	EPA 200.8
7440-31-5	Tin	2.1		mg/kg dry	1.5	4/11/13 12:40	4/18/13 15:15	EPA 6010
7440-32-6	Titanium	19		mg/kg dry	0.50	4/11/13 12:40	4/18/13 15:15	EPA 6010
7440-62-2	Vanadium	47		mg/kg dry	0.50	4/11/13 12:40	4/18/13 15:15	EPA 6010
7440-65-5	Yttrium	0.53		mg/kg dry	0.30	4/11/13 12:40	4/18/13 15:15	EPA 6010
7440-66-6	Zinc	42		mg/kg dry	1.0	4/11/13 12:40	4/18/13 15:15	EPA 6010

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Project: 13-0295, Greenwood Mills Liner Plt - Reported by Terri White

Physical Properties

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-012-SF
Station ID: GML012
Lab ID: E131406-20
Matrix: Surface Soil

Date Collected: 4/3/13 12:15

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1642941	% Solids	84		%	0.0	4/08/13 16:23	4/10/13 11:10	EPA 200.2

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Total Metals

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-013-SF
Station ID: GML013
Lab ID: E131406-21
Matrix: Surface Soil
Date Collected: 4/3/13 9:55

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7439-97-6	Mercury	0.23		mg/kg dry	0.020	4/23/13 8:19	4/23/13 11:46	EPA 7473
7429-90-5	Aluminum	5400		mg/kg dry	9.9	4/11/13 12:40	4/18/13 15:23	EPA 6010
7440-36-0	Antimony	3.6		mg/kg dry	0.25	4/11/13 12:44	4/26/13 18:12	EPA 200.8
7440-38-2	Arsenic	1.1		mg/kg dry	0.25	4/11/13 12:44	4/26/13 18:12	EPA 200.8
7440-39-3	Barium	36		mg/kg dry	0.50	4/11/13 12:40	4/18/13 15:23	EPA 6010
7440-41-7	Beryllium	0.30	U	mg/kg dry	0.30	4/11/13 12:40	4/18/13 15:23	EPA 6010
7440-43-9	Cadmium	0.30		mg/kg dry	0.12	4/11/13 12:44	4/26/13 18:12	EPA 200.8
7440-70-2	Calcium	310		mg/kg dry	25	4/11/13 12:40	4/18/13 15:23	EPA 6010
7440-47-3	Chromium	380		mg/kg dry	0.50	4/11/13 12:40	4/18/13 15:23	EPA 6010
7440-48-4	Cobalt	0.50	U	mg/kg dry	0.50	4/11/13 12:40	4/18/13 15:23	EPA 6010
7440-50-8	Copper	84		mg/kg dry	0.99	4/11/13 12:40	4/18/13 15:23	EPA 6010
7439-89-6	Iron	6000		mg/kg dry	9.9	4/11/13 12:40	4/18/13 15:23	EPA 6010
7439-92-1	Lead	9.8		mg/kg dry	0.25	4/11/13 12:44	4/26/13 18:12	EPA 200.8
7439-95-4	Magnesium	140		mg/kg dry	25	4/11/13 12:40	4/18/13 15:23	EPA 6010
7439-96-5	Manganese	21		mg/kg dry	0.50	4/11/13 12:40	4/18/13 15:23	EPA 6010
7439-98-7	Molybdenum	0.99	U	mg/kg dry	0.99	4/11/13 12:40	4/18/13 15:23	EPA 6010
7440-02-0	Nickel	5.8		mg/kg dry	0.99	4/11/13 12:40	4/18/13 15:23	EPA 6010
7440-09-7	Potassium	100		mg/kg dry	99	4/11/13 12:40	4/18/13 15:23	EPA 6010
7782-49-2	Selenium	0.50	U	mg/kg dry	0.50	4/11/13 12:44	4/26/13 18:12	EPA 200.8
7440-22-4	Silver	0.50	U	mg/kg dry	0.50	4/11/13 12:40	4/18/13 15:23	EPA 6010
7440-23-5	Sodium	99	U	mg/kg dry	99	4/11/13 12:40	4/18/13 15:23	EPA 6010
7440-24-6	Strontium	3.3		mg/kg dry	0.50	4/11/13 12:40	4/18/13 15:23	EPA 6010
7440-28-0	Thallium	0.25	U	mg/kg dry	0.25	4/11/13 12:44	4/26/13 18:12	EPA 200.8
7440-31-5	Tin	4.7		mg/kg dry	1.5	4/11/13 12:40	4/18/13 15:23	EPA 6010
7440-32-6	Titanium	40		mg/kg dry	0.50	4/11/13 12:40	4/18/13 15:23	EPA 6010
7440-62-2	Vanadium	26		mg/kg dry	0.50	4/11/13 12:40	4/18/13 15:23	EPA 6010
7440-65-5	Yttrium	1.7		mg/kg dry	0.30	4/11/13 12:40	4/18/13 15:23	EPA 6010
7440-66-6	Zinc	77		mg/kg dry	0.99	4/11/13 12:40	4/18/13 15:23	EPA 6010

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Terri White

Physical Properties

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-013-SF
Station ID: GML013
Lab ID: E131406-21
Matrix: Surface Soil

Date Collected: 4/3/13 9:55

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1642941	% Solids	95		%	0.0	4/08/13 16:23	4/10/13 11:10	EPA 200.2

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Project: 13-0295, Greenwood Mills Liner Plt - Reported by Terri White

Total Metals

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-014-SF
Station ID: GML014
Lab ID: E131406-22
Matrix: Surface Soil
Date Collected: 4/3/13 10:10

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7439-97-6	Mercury	0.33		mg/kg dry	0.018	4/23/13 8:19	4/23/13 11:46	EPA 7473
7429-90-5	Aluminum	7000		mg/kg dry	10	4/11/13 12:40	4/18/13 15:32	EPA 6010
7440-36-0	Antimony	2.9		mg/kg dry	0.25	4/11/13 12:44	4/26/13 18:16	EPA 200.8
7440-38-2	Arsenic	0.51		mg/kg dry	0.25	4/11/13 12:44	4/26/13 18:16	EPA 200.8
7440-39-3	Barium	24		mg/kg dry	0.50	4/11/13 12:40	4/18/13 15:32	EPA 6010
7440-41-7	Beryllium	0.30	U	mg/kg dry	0.30	4/11/13 12:40	4/18/13 15:32	EPA 6010
7440-43-9	Cadmium	0.12	U	mg/kg dry	0.12	4/11/13 12:44	4/26/13 18:16	EPA 200.8
7440-70-2	Calcium	53		mg/kg dry	25	4/11/13 12:40	4/18/13 15:32	EPA 6010
7440-47-3	Chromium	35		mg/kg dry	0.50	4/11/13 12:40	4/18/13 15:32	EPA 6010
7440-48-4	Cobalt	0.50	U	mg/kg dry	0.50	4/11/13 12:40	4/18/13 15:32	EPA 6010
7440-50-8	Copper	84		mg/kg dry	1.0	4/11/13 12:40	4/18/13 15:32	EPA 6010
7439-89-6	Iron	5500		mg/kg dry	10	4/11/13 12:40	4/18/13 15:32	EPA 6010
7439-92-1	Lead	11		mg/kg dry	0.25	4/11/13 12:44	4/26/13 18:16	EPA 200.8
7439-95-4	Magnesium	110		mg/kg dry	25	4/11/13 12:40	4/18/13 15:32	EPA 6010
7439-96-5	Manganese	5.9		mg/kg dry	0.50	4/11/13 12:40	4/18/13 15:32	EPA 6010
7439-98-7	Molybdenum	1.0	U	mg/kg dry	1.0	4/11/13 12:40	4/18/13 15:32	EPA 6010
7440-02-0	Nickel	4.0		mg/kg dry	1.0	4/11/13 12:40	4/18/13 15:32	EPA 6010
7440-09-7	Potassium	100	U	mg/kg dry	100	4/11/13 12:40	4/18/13 15:32	EPA 6010
7782-49-2	Selenium	0.50	U	mg/kg dry	0.50	4/11/13 12:44	4/26/13 18:16	EPA 200.8
7440-22-4	Silver	0.50	U	mg/kg dry	0.50	4/11/13 12:40	4/18/13 15:32	EPA 6010
7440-23-5	Sodium	100	U	mg/kg dry	100	4/11/13 12:40	4/18/13 15:32	EPA 6010
7440-24-6	Strontium	1.4		mg/kg dry	0.50	4/11/13 12:40	4/18/13 15:32	EPA 6010
7440-28-0	Thallium	0.25	U	mg/kg dry	0.25	4/11/13 12:44	4/26/13 18:16	EPA 200.8
7440-31-5	Tin	3.8		mg/kg dry	1.5	4/11/13 12:40	4/18/13 15:32	EPA 6010
7440-32-6	Titanium	50		mg/kg dry	0.50	4/11/13 12:40	4/18/13 15:32	EPA 6010
7440-62-2	Vanadium	43		mg/kg dry	0.50	4/11/13 12:40	4/18/13 15:32	EPA 6010
7440-65-5	Yttrium	1.2		mg/kg dry	0.30	4/11/13 12:40	4/18/13 15:32	EPA 6010
7440-66-6	Zinc	13		mg/kg dry	1.0	4/11/13 12:40	4/18/13 15:32	EPA 6010

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D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Terri White

Physical Properties

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-014-SF
Station ID: GML014
Lab ID: E131406-22
Matrix: Surface Soil

Date Collected: 4/3/13 10:10

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1642941	% Solids	86		%	0.0	4/08/13 16:23	4/10/13 11:10	EPA 200.2

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Total Metals

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-015-SF
Station ID: GML015
Lab ID: E131406-23
Matrix: Surface Soil
Date Collected: 4/3/13 10:25

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7439-97-6	Mercury	0.028		mg/kg dry	0.020	4/23/13 8:19	4/23/13 11:46	EPA 7473
7429-90-5	Aluminum	5400		mg/kg dry	9.9	4/11/13 12:40	4/18/13 15:40	EPA 6010
7440-36-0	Antimony	0.25	U	mg/kg dry	0.25	4/11/13 12:44	4/26/13 18:21	EPA 200.8
7440-38-2	Arsenic	1.0		mg/kg dry	0.25	4/11/13 12:44	4/26/13 18:21	EPA 200.8
7440-39-3	Barium	8.3		mg/kg dry	0.50	4/11/13 12:40	4/18/13 15:40	EPA 6010
7440-41-7	Beryllium	0.30	U	mg/kg dry	0.30	4/11/13 12:40	4/18/13 15:40	EPA 6010
7440-43-9	Cadmium	0.12	U	mg/kg dry	0.12	4/11/13 12:44	4/26/13 18:21	EPA 200.8
7440-70-2	Calcium	180		mg/kg dry	25	4/11/13 12:40	4/18/13 15:40	EPA 6010
7440-47-3	Chromium	18		mg/kg dry	0.50	4/11/13 12:40	4/18/13 15:40	EPA 6010
7440-48-4	Cobalt	0.50	U	mg/kg dry	0.50	4/11/13 12:40	4/18/13 15:40	EPA 6010
7440-50-8	Copper	2.4		mg/kg dry	0.99	4/11/13 12:40	4/18/13 15:40	EPA 6010
7439-89-6	Iron	6600		mg/kg dry	9.9	4/11/13 12:40	4/18/13 15:40	EPA 6010
7439-92-1	Lead	3.7		mg/kg dry	0.25	4/11/13 12:44	4/26/13 18:21	EPA 200.8
7439-95-4	Magnesium	94		mg/kg dry	25	4/11/13 12:40	4/18/13 15:40	EPA 6010
7439-96-5	Manganese	14		mg/kg dry	0.50	4/11/13 12:40	4/18/13 15:40	EPA 6010
7439-98-7	Molybdenum	0.99	U	mg/kg dry	0.99	4/11/13 12:40	4/18/13 15:40	EPA 6010
7440-02-0	Nickel	1.7		mg/kg dry	0.99	4/11/13 12:40	4/18/13 15:40	EPA 6010
7440-09-7	Potassium	99	U	mg/kg dry	99	4/11/13 12:40	4/18/13 15:40	EPA 6010
7782-49-2	Selenium	0.50	U	mg/kg dry	0.50	4/11/13 12:44	4/26/13 18:21	EPA 200.8
7440-22-4	Silver	0.50	U	mg/kg dry	0.50	4/11/13 12:40	4/18/13 15:40	EPA 6010
7440-23-5	Sodium	99	U	mg/kg dry	99	4/11/13 12:40	4/18/13 15:40	EPA 6010
7440-24-6	Strontium	1.7		mg/kg dry	0.50	4/11/13 12:40	4/18/13 15:40	EPA 6010
7440-28-0	Thallium	0.25	U	mg/kg dry	0.25	4/11/13 12:44	4/26/13 18:21	EPA 200.8
7440-31-5	Tin	1.5	U	mg/kg dry	1.5	4/11/13 12:40	4/18/13 15:40	EPA 6010
7440-32-6	Titanium	31		mg/kg dry	0.50	4/11/13 12:40	4/18/13 15:40	EPA 6010
7440-62-2	Vanadium	21		mg/kg dry	0.50	4/11/13 12:40	4/18/13 15:40	EPA 6010
7440-65-5	Yttrium	1.6		mg/kg dry	0.30	4/11/13 12:40	4/18/13 15:40	EPA 6010
7440-66-6	Zinc	8.0		mg/kg dry	0.99	4/11/13 12:40	4/18/13 15:40	EPA 6010

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D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Terri White

Physical Properties

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-015-SF
Station ID: GML015
Lab ID: E131406-23
Matrix: Surface Soil

Date Collected: 4/3/13 10:25

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1642941	% Solids	92		%	0.0	4/08/13 16:23	4/10/13 11:10	EPA 200.2

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Total Metals

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-016-SF
Station ID: GML016
Lab ID: E131406-24
Matrix: Surface Soil
Date Collected: 4/3/13 12:42

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7439-97-6	Mercury	0.031		mg/kg dry	0.020	4/23/13 8:19	4/23/13 11:46	EPA 7473
7429-90-5	Aluminum	4300		mg/kg dry	250	4/11/13 12:40	4/18/13 16:29	EPA 6010
7440-36-0	Antimony	4.9	U, J, QM-1	mg/kg dry	4.9	4/11/13 12:44	4/26/13 18:26	EPA 200.8
7440-38-2	Arsenic	23		mg/kg dry	4.9	4/11/13 12:44	4/26/13 18:26	EPA 200.8
7440-39-3	Barium	210		mg/kg dry	12	4/11/13 12:40	4/18/13 16:29	EPA 6010
7440-41-7	Beryllium	7.4	U	mg/kg dry	7.4	4/11/13 12:40	4/18/13 16:29	EPA 6010
7440-43-9	Cadmium	2.5	U	mg/kg dry	2.5	4/11/13 12:44	4/26/13 18:26	EPA 200.8
7440-70-2	Calcium	4000		mg/kg dry	620	4/11/13 12:40	4/18/13 16:29	EPA 6010
7440-47-3	Chromium	120		mg/kg dry	12	4/11/13 12:40	4/18/13 16:29	EPA 6010
7440-48-4	Cobalt	32		mg/kg dry	12	4/11/13 12:40	4/18/13 16:29	EPA 6010
7440-50-8	Copper	67		mg/kg dry	25	4/11/13 12:40	4/18/13 16:29	EPA 6010
7439-89-6	Iron	110000		mg/kg dry	250	4/11/13 12:40	4/18/13 16:29	EPA 6010
7439-92-1	Lead	280	J, QM-1	mg/kg dry	4.9	4/11/13 12:44	4/26/13 18:26	EPA 200.8
7439-95-4	Magnesium	620	U	mg/kg dry	620	4/11/13 12:40	4/18/13 16:29	EPA 6010
7439-96-5	Manganese	510		mg/kg dry	12	4/11/13 12:40	4/18/13 16:29	EPA 6010
7439-98-7	Molybdenum	140		mg/kg dry	25	4/11/13 12:40	4/18/13 16:29	EPA 6010
7440-02-0	Nickel	5300		mg/kg dry	25	4/11/13 12:40	4/29/13 20:57	EPA 6010
7440-09-7	Potassium	2500	U	mg/kg dry	2500	4/11/13 12:40	4/18/13 16:29	EPA 6010
7782-49-2	Selenium	9.9	U, J, QM-1	mg/kg dry	9.9	4/11/13 12:44	4/26/13 18:26	EPA 200.8
7440-22-4	Silver	12	U	mg/kg dry	12	4/11/13 12:40	4/18/13 16:29	EPA 6010
7440-23-5	Sodium	8000		mg/kg dry	2500	4/11/13 12:40	4/18/13 16:29	EPA 6010
7440-24-6	Strontium	78		mg/kg dry	12	4/11/13 12:40	4/18/13 16:29	EPA 6010
7440-28-0	Thallium	4.9	U	mg/kg dry	4.9	4/11/13 12:44	4/26/13 18:26	EPA 200.8
7440-31-5	Tin	37	U	mg/kg dry	37	4/11/13 12:40	4/18/13 16:29	EPA 6010
7440-32-6	Titanium	220		mg/kg dry	12	4/11/13 12:40	4/18/13 16:29	EPA 6010
7440-62-2	Vanadium	43000		mg/kg dry	12	4/11/13 12:40	4/18/13 16:29	EPA 6010
7440-65-5	Yttrium	7.4	U	mg/kg dry	7.4	4/11/13 12:40	4/18/13 16:29	EPA 6010
7440-66-6	Zinc	400		mg/kg dry	25	4/11/13 12:40	4/18/13 16:29	EPA 6010

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Project: 13-0295, Greenwood Mills Liner Plt - Reported by Terri White

Physical Properties

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-016-SF
Station ID: GML016
Lab ID: E131406-24
Matrix: Surface Soil

Date Collected: 4/3/13 12:42

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1642941	% Solids	80		%	0.0	4/08/13 16:23	4/10/13 11:10	EPA 200.2

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Project: 13-0295, Greenwood Mills Liner Plt - Reported by Terri White

Total Metals

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-017-SF
Station ID: GML017
Lab ID: E131406-25
Matrix: Surface Soil
Date Collected: 4/3/13 12:56

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7439-97-6	Mercury	0.026		mg/kg dry	0.019	4/23/13 8:19	4/23/13 11:46	EPA 7473
7429-90-5	Aluminum	5500		mg/kg dry	10	4/11/13 12:40	4/18/13 16:55	EPA 6010
7440-36-0	Antimony	0.25	U	mg/kg dry	0.25	4/11/13 12:44	4/26/13 18:40	EPA 200.8
7440-38-2	Arsenic	2.2		mg/kg dry	0.25	4/11/13 12:44	4/26/13 18:40	EPA 200.8
7440-39-3	Barium	33		mg/kg dry	0.50	4/11/13 12:40	4/18/13 16:55	EPA 6010
7440-41-7	Beryllium	0.30	U	mg/kg dry	0.30	4/11/13 12:40	4/18/13 16:55	EPA 6010
7440-43-9	Cadmium	0.12	U	mg/kg dry	0.12	4/11/13 12:44	4/26/13 18:40	EPA 200.8
7440-70-2	Calcium	580		mg/kg dry	25	4/11/13 12:40	4/18/13 16:55	EPA 6010
7440-47-3	Chromium	4.8		mg/kg dry	0.50	4/11/13 12:40	4/18/13 16:55	EPA 6010
7440-48-4	Cobalt	0.69		mg/kg dry	0.50	4/11/13 12:40	4/18/13 16:55	EPA 6010
7440-50-8	Copper	6.7		mg/kg dry	1.0	4/11/13 12:40	4/18/13 16:55	EPA 6010
7439-89-6	Iron	4100		mg/kg dry	10	4/11/13 12:40	4/18/13 16:55	EPA 6010
7439-92-1	Lead	7.0		mg/kg dry	0.25	4/11/13 12:44	4/26/13 18:40	EPA 200.8
7439-95-4	Magnesium	190		mg/kg dry	25	4/11/13 12:40	4/18/13 16:55	EPA 6010
7439-96-5	Manganese	260		mg/kg dry	0.50	4/11/13 12:40	4/18/13 16:55	EPA 6010
7439-98-7	Molybdenum	1.0	U	mg/kg dry	1.0	4/11/13 12:40	4/18/13 16:55	EPA 6010
7440-02-0	Nickel	14		mg/kg dry	1.0	4/11/13 12:40	4/18/13 16:55	EPA 6010
7440-09-7	Potassium	100		mg/kg dry	100	4/11/13 12:40	4/18/13 16:55	EPA 6010
7782-49-2	Selenium	0.50	U	mg/kg dry	0.50	4/11/13 12:44	4/26/13 18:40	EPA 200.8
7440-22-4	Silver	0.50	U	mg/kg dry	0.50	4/11/13 12:40	4/18/13 16:55	EPA 6010
7440-23-5	Sodium	100	U	mg/kg dry	100	4/11/13 12:40	4/18/13 16:55	EPA 6010
7440-24-6	Strontium	6.7		mg/kg dry	0.50	4/11/13 12:40	4/18/13 16:55	EPA 6010
7440-28-0	Thallium	0.25	U	mg/kg dry	0.25	4/11/13 12:44	4/26/13 18:40	EPA 200.8
7440-31-5	Tin	1.5	U	mg/kg dry	1.5	4/11/13 12:40	4/18/13 16:55	EPA 6010
7440-32-6	Titanium	42		mg/kg dry	0.50	4/11/13 12:40	4/18/13 16:55	EPA 6010
7440-62-2	Vanadium	59		mg/kg dry	0.50	4/11/13 12:40	4/18/13 16:55	EPA 6010
7440-65-5	Yttrium	2.2		mg/kg dry	0.30	4/11/13 12:40	4/18/13 16:55	EPA 6010
7440-66-6	Zinc	21		mg/kg dry	1.0	4/11/13 12:40	4/18/13 16:55	EPA 6010

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D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Terri White

Physical Properties

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-017-SF
Station ID: GML017
Lab ID: E131406-25
Matrix: Surface Soil

Date Collected: 4/3/13 12:56

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1642941	% Solids	87		%	0.0	4/08/13 16:23	4/10/13 11:10	EPA 200.2

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Total Metals (TMTL) - Quality Control

US-EPA, Region 4, SESD

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1304049 - M 200.2 Metals Water										
Blank (1304049-BLK1)				Prepared: 04/09/13 Analyzed: 04/10/13						
EPA 6010										
Barium	U	5.0	ug/L							U
Beryllium	U	3.0	"							U
Cobalt	U	5.0	"							U
Chromium	U	5.0	"							U
Copper	U	10	"							U
Molybdenum	U	10	"							U
Nickel	U	10	"							U
Tin	U	15	"							U
Strontium	U	5.0	"							U
Titanium	U	5.0	"							U
Vanadium	U	5.0	"							U
Yttrium	U	3.0	"							U
Zinc	U	10	"							U
Aluminum	U	100	"							U
Manganese	U	5.0	"							U
Calcium	U	250	"							U
Magnesium	U	250	"							U
Iron	U	100	"							U
Sodium	U	1000	"							U
Potassium	U	1000	"							U
Blank (1304049-BLK2)				Prepared: 04/09/13 Analyzed: 04/11/13						
EPA 6010										
Silver	U	5.0	ug/L							U
LCS (1304049-BS1)				Prepared: 04/09/13 Analyzed: 04/10/13						
EPA 6010										
Barium	193.92	5.0	ug/L	200.00		97.0	85-115			
Beryllium	50.732	3.0	"	50.000		101	85-115			
Cobalt	98.846	5.0	"	100.00		98.8	85-115			
Chromium	202.69	5.0	"	200.00		101	85-115			
Copper	100.07	10	"	100.00		100	85-115			
Molybdenum	103.13	10	"	100.00		103	85-115			
Nickel	201.22	10	"	200.00		101	85-115			
Tin	99.822	15	"	100.00		99.8	85-115			
Strontium	97.098	5.0	"	100.00		97.1	85-115			
Titanium	98.536	5.0	"	100.00		98.5	85-115			
Vanadium	103.04	5.0	"	100.00		103	85-115			

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Total Metals (TMTL) - Quality Control

US-EPA, Region 4, SESD

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1304049 - M 200.2 Metals Water										
LCS (1304049-BS1)				Prepared: 04/09/13 Analyzed: 04/10/13						
Yttrium	100.37	3.0	ug/L	100.00		100	85-115			
Zinc	205.84	10	"	200.00		103	85-115			
Aluminum	4929.5	100	"	5000.0		98.6	85-115			
Manganese	523.27	5.0	"	500.00		105	85-115			
Calcium	5169.2	250	"	5000.0		103	85-115			
Magnesium	5148.5	250	"	5000.0		103	85-115			
Iron	5272.7	100	"	5000.0		105	85-115			
Sodium	9998.7	1000	"	10000		100	85-115			
Potassium	9832.6	1000	"	10000		98.3	85-115			
LCS (1304049-BS2)				Prepared: 04/09/13 Analyzed: 04/11/13						
EPA 6010										
Silver	96.818	5.0	ug/L	100.00		96.8	85-115			
Matrix Spike (1304049-MS1)		**Source: E131406-03**		Prepared: 04/09/13 Analyzed: 04/10/13						
EPA 6010										
Barium	206.11	5.0	ug/L	200.00	17.920	94.1	75-125			
Beryllium	50.709	3.0	"	50.000	U	101	75-125			
Cobalt	99.010	5.0	"	100.00	0.56039	98.4	75-125			
Chromium	200.59	5.0	"	200.00	U	100	75-125			
Copper	101.45	10	"	100.00	U	101	75-125			
Molybdenum	102.86	10	"	100.00	U	103	75-125			
Nickel	199.07	10	"	200.00	1.4131	98.8	75-125			
Tin	98.651	15	"	100.00	U	98.7	75-125			
Strontium	107.78	5.0	"	100.00	13.075	94.7	75-125			
Titanium	103.26	5.0	"	100.00	3.6551	99.6	75-125			
Vanadium	103.58	5.0	"	100.00	U	104	75-125			
Yttrium	100.29	3.0	"	100.00	0.62071	99.7	75-125			
Zinc	209.56	10	"	200.00	6.9443	101	75-125			
Aluminum	5122.1	100	"	5000.0	329.67	95.8	75-125			
Manganese	549.39	5.0	"	500.00	23.560	105	75-125			
Calcium	8401.1	250	"	5000.0	3422.9	99.6	75-125			
Magnesium	5990.3	250	"	5000.0	870.92	102	75-125			
Iron	5787.3	100	"	5000.0	505.47	106	75-125			
Sodium	15348	1000	"	10000	5779.1	95.7	75-125			
Potassium	10720	1000	"	10000	1092.0	96.3	75-125			

Total Metals (TMTL) - Quality Control

US-EPA, Region 4, SESD

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1304049 - M 200.2 Metals Water										
Matrix Spike (1304049-MS2)		**Source: E131406-03**		Prepared: 04/09/13 Analyzed: 04/11/13						
EPA 6010										
Silver	95.372	5.0	ug/L	100.00	U	95.4	75-125			
Matrix Spike Dup (1304049-MSD1)		**Source: E131406-03**		Prepared: 04/09/13 Analyzed: 04/10/13						
EPA 6010										
Barium	208.86	5.0	ug/L	200.00	17.920	95.5	75-125	1.32	20	
Beryllium	50.397	3.0	"	50.000	U	101	75-125	0.618	20	
Cobalt	97.036	5.0	"	100.00	0.56039	96.5	75-125	2.01	20	
Chromium	196.35	5.0	"	200.00	U	98.2	75-125	2.14	20	
Copper	98.527	10	"	100.00	U	98.5	75-125	2.93	20	
Molybdenum	101.22	10	"	100.00	U	101	75-125	1.61	20	
Nickel	193.86	10	"	200.00	1.4131	96.2	75-125	2.65	20	
Tin	98.070	15	"	100.00	U	98.1	75-125	0.591	20	
Strontium	109.01	5.0	"	100.00	13.075	95.9	75-125	1.13	20	
Titanium	102.29	5.0	"	100.00	3.6551	98.6	75-125	0.944	20	
Vanadium	100.68	5.0	"	100.00	U	101	75-125	2.83	20	
Yttrium	99.760	3.0	"	100.00	0.62071	99.1	75-125	0.533	20	
Zinc	205.81	10	"	200.00	6.9443	99.4	75-125	1.81	20	
Aluminum	5171.6	100	"	5000.0	329.67	96.8	75-125	0.962	20	
Manganese	542.01	5.0	"	500.00	23.560	104	75-125	1.35	20	
Calcium	9043.9	250	"	5000.0	3422.9	112	75-125	7.37	20	
Magnesium	5929.0	250	"	5000.0	870.92	101	75-125	1.03	20	
Iron	5714.4	100	"	5000.0	505.47	104	75-125	1.27	20	
Sodium	15548	1000	"	10000	5779.1	97.7	75-125	1.29	20	
Potassium	10835	1000	"	10000	1092.0	97.4	75-125	1.07	20	
Matrix Spike Dup (1304049-MSD2)		**Source: E131406-03**		Prepared: 04/09/13 Analyzed: 04/11/13						
EPA 6010										
Silver	95.640	5.0	ug/L	100.00	U	95.6	75-125	0.280	20	
MRL Verification (1304049-PS1)				Prepared: 04/09/13 Analyzed: 04/10/13						
EPA 6010										
Barium	4.9284	5.0	ug/L	5.0000		98.6	70-130			MRL-2, U
Beryllium	3.1371	3.0	"	3.0000		105	70-130			MRL-2
Cobalt	5.3049	5.0	"	5.0000		106	70-130			MRL-2
Chromium	5.1386	5.0	"	5.0000		103	70-130			MRL-2
Copper	10.918	10	"	10.000		109	70-130			MRL-2
Molybdenum	10.223	10	"	10.000		102	70-130			MRL-2

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Total Metals (TMTL) - Quality Control

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1304049 - M 200.2 Metals Water										
MRL Verification (1304049-PS1)				Prepared: 04/09/13 Analyzed: 04/10/13						
Nickel	10.193	10	ug/L	10.000		102	70-130			MRL-2
Tin	14.456	15	"	15.000		96.4	70-130			MRL-2, U
Strontium	4.7988	5.0	"	5.0000		96.0	70-130			MRL-2, U
Titanium	5.3000	5.0	"	5.0000		106	70-130			MRL-2
Vanadium	4.8197	5.0	"	5.0000		96.4	70-130			MRL-2, U
Yttrium	3.1545	3.0	"	3.0000		105	70-130			MRL-2
Zinc	11.388	10	"	10.000		114	70-130			MRL-2
Aluminum	95.546	100	"	100.00		95.5	70-130			MRL-2, U
Manganese	5.4715	5.0	"	5.0000		109	70-130			MRL-2
Calcium	274.34	250	"	250.00		110	70-130			MRL-2
Magnesium	262.11	250	"	250.00		105	70-130			MRL-2
Iron	106.24	100	"	100.00		106	70-130			MRL-2
Sodium	1008.8	1000	"	1000.0		101	70-130			MRL-2
Potassium	975.88	1000	"	1000.0		97.6	70-130			MRL-2, U
MRL Verification (1304049-PS2)				Prepared: 04/09/13 Analyzed: 04/11/13						
EPA 6010										
Silver	5.4444	5.0	ug/L	5.0000		109	70-130			MRL-2
Batch 1304050 - M 200.2 Metals Water										
Blank (1304050-BLK1)				Prepared: 04/09/13 Analyzed: 04/24/13						
EPA 200.8										
Beryllium	U	0.50	ug/L							U
Arsenic	U	1.0	"							U
Selenium	U	2.0	"							U
Cadmium	U	0.50	"							U
Antimony	U	1.0	"							U
Thallium	U	1.0	"							U
Lead	U	1.0	"							U

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Total Metals (TMTL) - Quality Control

US-EPA, Region 4, SESD

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1304050 - M 200.2 Metals Water										
LCS (1304050-BS1)				Prepared: 04/09/13 Analyzed: 04/24/13						
EPA 200.8										
Beryllium	50.039	2.5	ug/L	50.000		100	85-115			
Arsenic	202.18	5.0	"	200.00		101	85-115			
Selenium	206.47	10	"	200.00		103	85-115			
Cadmium	51.293	2.5	"	50.000		103	85-115			
Antimony	197.65	5.0	"	200.00		98.8	85-115			
Thallium	207.42	5.0	"	200.00		104	85-115			
Lead	202.05	5.0	"	200.00		101	85-115			
Matrix Spike (1304050-MS1)		**Source: E131406-03**		Prepared: 04/09/13 Analyzed: 04/24/13						
EPA 200.8										
Beryllium	50.614	2.5	ug/L	50.000	0.068644	101	70-130			
Arsenic	198.85	5.0	"	200.00	0.45892	99.2	70-130			
Selenium	204.66	10	"	200.00	U	102	70-130			
Cadmium	50.150	2.5	"	50.000	0.27309	99.8	70-130			
Antimony	194.10	5.0	"	200.00	0.050222	97.0	70-130			
Thallium	204.94	5.0	"	200.00	U	102	70-130			
Lead	201.91	5.0	"	200.00	5.2695	98.3	70-130			
Matrix Spike Dup (1304050-MSD1)		**Source: E131406-03**		Prepared: 04/09/13 Analyzed: 04/24/13						
EPA 200.8										
Beryllium	51.286	2.5	ug/L	50.000	0.068644	102	70-130	1.32	20	
Arsenic	201.46	5.0	"	200.00	0.45892	101	70-130	1.31	20	
Selenium	206.99	10	"	200.00	U	103	70-130	1.13	20	
Cadmium	50.535	2.5	"	50.000	0.27309	101	70-130	0.765	20	
Antimony	194.72	5.0	"	200.00	0.050222	97.3	70-130	0.319	20	
Thallium	205.14	5.0	"	200.00	U	103	70-130	0.0965	20	
Lead	200.00	5.0	"	200.00	5.2695	97.4	70-130	0.951	20	
MRL Verification (1304050-PS1)				Prepared: 04/09/13 Analyzed: 04/24/13						
EPA 200.8										
Beryllium	0.57741	0.50	ug/L	0.50000		115	65-135			MRL-2
Arsenic	0.86493	1.0	"	1.0000		86.5	65-135			MRL-2, U
Selenium	2.1135	2.0	"	2.0000		106	65-135			MRL-2
Cadmium	0.55930	0.50	"	0.50000		112	65-135			MRL-2
Antimony	0.50340	1.0	"	0.50000		101	65-135			MRL-2, U
Thallium	0.53192	1.0	"	0.50000		106	65-135			MRL-2, U

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Total Metals (TMTL) - Quality Control

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1304050 - M 200.2 Metals Water										
MRL Verification (1304050-PS1)				Prepared: 04/09/13 Analyzed: 04/24/13						
Lead	1.0628	1.0	ug/L	1.0000		106	65-135			MRL-2
Batch 1304055 - M 200.2 Metals Soil										
Blank (1304055-BLK1)				Prepared: 04/11/13 Analyzed: 04/18/13						
EPA 6010										
Silver	U	0.50	mg/kg dry							U
Barium	U	0.50	"							U
Beryllium	U	0.30	"							U
Cobalt	U	0.50	"							U
Chromium	U	0.50	"							U
Copper	U	1.0	"							U
Molybdenum	U	1.0	"							U
Nickel	U	1.0	"							U
Tin	U	1.5	"							U
Strontium	U	0.50	"							U
Titanium	U	0.50	"							U
Vanadium	U	0.50	"							U
Yttrium	U	0.30	"							U
Zinc	U	1.0	"							U
Aluminum	U	10	"							U
Manganese	U	0.50	"							U
Calcium	U	25	"							U
Magnesium	U	25	"							U
Iron	U	10	"							U
Sodium	U	100	"							U
Potassium	U	100	"							U

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Total Metals (TMTL) - Quality Control

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1304055 - M 200.2 Metals Soil										
Blank (1304055-BLK2)				Prepared: 04/11/13 Analyzed: 04/18/13						
EPA 6010										
Silver	U	0.50	mg/kg dry							U
Barium	U	0.50	"							U
Beryllium	U	0.30	"							U
Cobalt	U	0.50	"							U
Chromium	U	0.50	"							U
Copper	U	1.0	"							U
Molybdenum	U	1.0	"							U
Nickel	U	1.0	"							U
Tin	U	1.5	"							U
Strontium	U	0.50	"							U
Titanium	U	0.50	"							U
Vanadium	U	0.50	"							U
Yttrium	U	0.30	"							U
Zinc	U	1.0	"							U
Aluminum	U	10	"							U
Manganese	U	0.50	"							U
Calcium	U	25	"							U
Magnesium	U	25	"							U
Iron	U	10	"							U
Sodium	U	100	"							U
Potassium	U	100	"							U
LCS (1304055-BS1)				Prepared: 04/11/13 Analyzed: 04/18/13						
EPA 6010										
Silver	9.5294	0.50	mg/kg dry	10.000		95.3	85-115			
Barium	49.308	0.50	"	50.000		98.6	85-115			
Beryllium	20.198	0.30	"	20.000		101	85-115			
Cobalt	48.227	0.50	"	50.000		96.5	85-115			
Chromium	49.804	0.50	"	50.000		99.6	85-115			
Copper	29.690	1.0	"	30.000		99.0	85-115			
Molybdenum	30.215	1.0	"	30.000		101	85-115			
Nickel	78.352	1.0	"	80.000		97.9	85-115			
Tin	101.33	1.5	"	100.00		101	85-115			
Strontium	40.224	0.50	"	40.000		101	85-115			
Titanium	50.409	0.50	"	50.000		101	85-115			
Vanadium	40.594	0.50	"	40.000		101	85-115			
Yttrium	30.019	0.30	"	30.000		100	85-115			
Zinc	98.213	1.0	"	100.00		98.2	85-115			
Aluminum	498.35	10	"	500.00		99.7	85-115			

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Total Metals (TMTL) - Quality Control

US-EPA, Region 4, SESD

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1304055 - M 200.2 Metals Soil										
LCS (1304055-BS1)				Prepared: 04/11/13 Analyzed: 04/18/13						
Manganese	516.34	0.50	mg/kg dry	500.00		103	85-115			
Calcium	516.70	25	"	500.00		103	85-115			
Magnesium	514.34	25	"	500.00		103	85-115			
Iron	522.81	10	"	500.00		105	85-115			
Sodium	996.93	100	"	1000.0		99.7	85-115			
Potassium	1008.6	100	"	1000.0		101	85-115			
Matrix Spike (1304055-MS1)		**Source: E131406-04**		Prepared: 04/11/13 Analyzed: 04/18/13						
EPA 6010										
Silver	9.6514	0.50	mg/kg dry	9.9483	U	97.0	75-125			
Barium	66.444	0.50	"	49.741	16.959	99.5	75-125			
Beryllium	21.179	0.30	"	19.897	0.21910	105	75-125			
Cobalt	50.507	0.50	"	49.741	0.55877	100	75-125			
Chromium	54.434	0.50	"	49.741	3.6120	102	75-125			
Copper	32.316	0.99	"	29.845	0.53590	106	75-125			
Molybdenum	27.570	0.99	"	29.845	U	92.4	75-125			
Nickel	80.960	0.99	"	79.586	0.74361	101	75-125			
Tin	83.137	1.5	"	99.483	0.39382	83.2	75-125			
Strontium	43.902	0.50	"	39.793	3.1015	103	75-125			
Titanium	38.934	0.50	"	49.741	6.3700	65.5	75-125			QM-1
Vanadium	44.241	0.50	"	39.793	3.1503	103	75-125			
Yttrium	32.674	0.30	"	29.845	2.2587	102	75-125			
Zinc	103.69	0.99	"	99.483	2.3568	102	75-125			
Aluminum	3262.6	9.9	"	497.41	3122.5	28.2	75-125			QM-1
Manganese	573.18	0.50	"	497.41	48.914	105	75-125			
Calcium	949.35	25	"	497.41	464.21	97.5	75-125			
Magnesium	657.50	25	"	497.41	128.31	106	75-125			
Iron	1267.1	9.9	"	497.41	796.24	94.7	75-125			
Sodium	1060.1	99	"	994.83	38.567	103	75-125			
Potassium	1076.7	99	"	994.83	83.304	99.9	75-125			

Total Metals (TMTL) - Quality Control

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1304055 - M 200.2 Metals Soil										
Matrix Spike (1304055-MS3)		**Source: E131406-24**		Prepared: 04/11/13 Analyzed: 04/18/13						
EPA 6010										
Silver	93.593		ug/L	100.00	1.0531	92.5	75-125			
Barium	576.68		"	500.00	86.691	98.0	75-125			
Beryllium	198.52		"	200.00	-0.057601	99.3	75-125			
Cobalt	494.94		"	500.00	12.854	96.4	75-125			
Chromium	532.49		"	500.00	47.977	96.9	75-125			
Copper	316.51		"	300.00	27.170	96.4	75-125			
Molybdenum	346.30		"	300.00	55.275	97.0	75-125			
Tin	1017.9		"	1000.0	3.0123	101	75-125			
Strontium	430.43		"	400.00	31.670	99.7	75-125			
Titanium	594.21		"	500.00	90.964	101	75-125			
Vanadium	18107		"	400.00	17539	142	75-125			XM-1
Yttrium	298.41		"	300.00	1.4785	99.0	75-125			
Zinc	1148.7		"	1000.0	160.94	98.8	75-125			
Aluminum	6.7768		mg/L	5.0000	1.7417	101	75-125			
Manganese	5.3157		"	5.0000	0.20504	102	75-125			
Calcium	6.6758		"	5.0000	1.6202	101	75-125			
Magnesium	5.2788		"	5.0000	0.19454	102	75-125			
Iron	49.512		"	5.0000	44.102	108	75-125			
Sodium	13.278		"	10.000	3.2471	100	75-125			
Potassium	11.070		"	10.000	0.93841	101	75-125			
Matrix Spike (1304055-MS4)		**Source: E131406-24RE1**		Prepared: 04/11/13 Analyzed: 04/29/13						
EPA 6010										
Nickel	2866.8		ug/L	800.00	2137.4	91.2	75-125			
Matrix Spike Dup (1304055-MSD1)		**Source: E131406-04**		Prepared: 04/11/13 Analyzed: 04/18/13						
EPA 6010										
Silver	9.3698	0.49	mg/kg dry	9.8678	U	95.0	75-125	2.96	20	
Barium	64.693	0.49	"	49.339	16.959	96.7	75-125	2.67	20	
Beryllium	20.631	0.30	"	19.736	0.21910	103	75-125	2.62	20	
Cobalt	49.063	0.49	"	49.339	0.55877	98.3	75-125	2.90	20	
Chromium	52.857	0.49	"	49.339	3.6120	99.8	75-125	2.94	20	
Copper	30.724	0.99	"	29.603	0.53590	102	75-125	5.05	20	
Molybdenum	26.707	0.99	"	29.603	U	90.2	75-125	3.18	20	
Nickel	78.695	0.99	"	78.942	0.74361	98.7	75-125	2.84	20	
Tin	83.272	1.5	"	98.678	0.39382	84.0	75-125	0.162	20	
Strontium	42.816	0.49	"	39.471	3.1015	101	75-125	2.50	20	
Titanium	37.827	0.49	"	49.339	6.3700	63.8	75-125	2.89	20	QM-1

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Total Metals (TMTL) - Quality Control

US-EPA, Region 4, SESD

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1304055 - M 200.2 Metals Soil										
Matrix Spike Dup (1304055-MSD1)		**Source: E131406-04**		Prepared: 04/11/13 Analyzed: 04/18/13						
Vanadium	43.025	0.49	mg/kg dry	39.471	3.1503	101	75-125	2.79	20	
Yttrium	31.982	0.30	"	29.603	2.2587	100	75-125	2.14	20	
Zinc	100.47	0.99	"	98.678	2.3568	99.4	75-125	3.15	20	
Aluminum	3185.6	9.9	"	493.39	3122.5	12.8	75-125	2.39	20	QM-1
Manganese	561.36	0.49	"	493.39	48.914	104	75-125	2.08	20	
Calcium	944.64	25	"	493.39	464.21	97.4	75-125	0.498	20	
Magnesium	627.94	25	"	493.39	128.31	101	75-125	4.60	20	
Iron	1261.3	9.9	"	493.39	796.24	94.3	75-125	0.461	20	
Sodium	1033.3	99	"	986.78	38.567	101	75-125	2.56	20	
Potassium	1052.8	99	"	986.78	83.304	98.2	75-125	2.25	20	
Matrix Spike Dup (1304055-MSD3)		**Source: E131406-24**		Prepared: 04/11/13 Analyzed: 04/18/13						
EPA 6010										
Silver	93.568		ug/L	100.00	1.0531	92.5	75-125	0.0268	20	
Barium	575.44		"	500.00	86.691	97.8	75-125	0.215	20	
Beryllium	199.25		"	200.00	-0.057601	99.7	75-125	0.370	20	
Cobalt	485.70		"	500.00	12.854	94.6	75-125	1.88	20	
Chromium	533.19		"	500.00	47.977	97.0	75-125	0.132	20	
Copper	312.24		"	300.00	27.170	95.0	75-125	1.36	20	
Molybdenum	342.82		"	300.00	55.275	95.8	75-125	1.01	20	
Tin	998.79		"	1000.0	3.0123	99.6	75-125	1.89	20	
Strontium	430.03		"	400.00	31.670	99.6	75-125	0.0927	20	
Titanium	585.67		"	500.00	90.964	98.9	75-125	1.45	20	
Vanadium	17992		"	400.00	17539	113	75-125	0.639	20	XM-1
Yttrium	298.65		"	300.00	1.4785	99.1	75-125	0.0809	20	
Zinc	1140.3		"	1000.0	160.94	97.9	75-125	0.736	20	
Aluminum	6.6711		mg/L	5.0000	1.7417	98.6	75-125		20	
Manganese	5.2963		"	5.0000	0.20504	102	75-125	0.367	20	
Calcium	6.5887		"	5.0000	1.6202	99.4	75-125		20	
Magnesium	5.2482		"	5.0000	0.19454	101	75-125		20	
Iron	48.892		"	5.0000	44.102	95.8	75-125		20	
Sodium	13.261		"	10.000	3.2471	100	75-125		20	
Potassium	10.929		"	10.000	0.93841	99.9	75-125		20	

Total Metals (TMTL) - Quality Control

US-EPA, Region 4, SESD

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1304055 - M 200.2 Metals Soil										
Matrix Spike Dup (1304055-MSD4)		**Source: E131406-24RE1**		Prepared: 04/11/13 Analyzed: 04/29/13						
EPA 6010										
Nickel	2855.0		ug/L	800.00	2137.4	89.7	75-125	0.413	20	
MRL Verification (1304055-PS1)				Prepared: 04/11/13 Analyzed: 04/18/13						
EPA 6010										
Silver	0.55340	0.50	mg/kg dry	0.50000		111	70-130			MRL-3
Barium	0.51260	0.50	"	0.50000		103	70-130			MRL-3
Beryllium	0.30343	0.30	"	0.30000		101	70-130			MRL-3
Cobalt	0.54955	0.50	"	0.50000		110	70-130			MRL-3
Chromium	0.52739	0.50	"	0.50000		105	70-130			MRL-3
Copper	1.1199	1.0	"	1.0000		112	70-130			MRL-3
Molybdenum	1.0809	1.0	"	1.0000		108	70-130			MRL-3
Nickel	1.0241	1.0	"	1.0000		102	70-130			MRL-3
Tin	1.7898	1.5	"	1.5000		119	70-130			MRL-3
Strontium	0.51642	0.50	"	0.50000		103	70-130			MRL-3
Titanium	0.53731	0.50	"	0.50000		107	70-130			MRL-3
Vanadium	0.55174	0.50	"	0.50000		110	70-130			MRL-3
Yttrium	0.30216	0.30	"	0.30000		101	70-130			MRL-3
Zinc	1.1239	1.0	"	1.0000		112	70-130			MRL-3
Aluminum	11.877	10	"	10.000		119	70-130			MRL-3
Manganese	0.59592	0.50	"	0.50000		119	70-130			MRL-3
Calcium	28.209	25	"	25.000		113	70-130			MRL-3
Magnesium	26.651	25	"	25.000		107	70-130			MRL-3
Iron	10.948	10	"	10.000		109	70-130			MRL-3
Sodium	101.94	100	"	100.00		102	70-130			MRL-3
Potassium	98.466	100	"	100.00		98.5	70-130			MRL-3, U
Batch 1304056 - M 200.2 Metals Soil										
Blank (1304056-BLK1)				Prepared: 04/11/13 Analyzed: 04/26/13						
EPA 200.8										
Beryllium	U	0.050	mg/kg dry							U
Arsenic	U	0.10	"							U
Selenium	U	0.20	"							U
Cadmium	U	0.050	"							U
Antimony	U	0.10	"							U
Thallium	U	0.10	"							U
Lead	U	0.10	"							U

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Total Metals (TMTL) - Quality Control

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1304056 - M 200.2 Metals Soil										
Blank (1304056-BLK2)				Prepared: 04/11/13 Analyzed: 04/26/13						
EPA 200.8										
Beryllium	U	0.050	mg/kg dry							U
Arsenic	U	0.10	"							U
Selenium	U	0.20	"							U
Cadmium	U	0.050	"							U
Antimony	U	0.10	"							U
Thallium	U	0.10	"							U
Lead	U	0.10	"							U
LCS (1304056-BS1)				Prepared: 04/11/13 Analyzed: 04/26/13						
EPA 200.8										
Beryllium	20.277	1.2	mg/kg dry	20.000		101	85-115			
Arsenic	50.618	2.5	"	50.000		101	85-115			
Selenium	99.061	5.0	"	100.00		99.1	85-115			
Cadmium	20.567	1.2	"	20.000		103	85-115			
Antimony	102.83	2.5	"	100.00		103	85-115			
Thallium	22.206	2.5	"	20.000		111	85-115			
Lead	107.97	2.5	"	100.00		108	85-115			
Matrix Spike (1304056-MS1)		**Source: E131406-04**		Prepared: 04/11/13 Analyzed: 04/26/13						
EPA 200.8										
Beryllium	20.468	1.2	mg/kg dry	19.897	0.21937	102	70-130			
Arsenic	48.087	2.5	"	49.741	0.14042	96.4	70-130			
Selenium	96.241	5.0	"	99.483	U	96.7	70-130			
Cadmium	20.733	1.2	"	19.897	0.036147	104	70-130			
Antimony	46.536	2.5	"	99.483	0.0092070	46.8	70-130			QM-1
Thallium	22.054	2.5	"	19.897	0.043968	111	70-130			
Lead	111.62	2.5	"	99.483	3.8987	108	70-130			
Matrix Spike (1304056-MS2)		**Source: E131406-24**		Prepared: 04/11/13 Analyzed: 04/26/13						
EPA 200.8										
Beryllium	19.514	2.5	mg/kg dry	19.728	0.29073	97.4	70-130			
Arsenic	64.221	4.9	"	49.319	23.409	82.7	70-130			
Selenium	52.243	9.9	"	98.639	U	53.0	70-130			QM-1
Cadmium	21.491	2.5	"	19.728	1.2760	102	70-130			
Antimony	57.741	4.9	"	98.639	1.8324	56.7	70-130			QM-1
Thallium	21.372	4.9	"	19.728	U	108	70-130			
Lead	367.03	4.9	"	98.639	281.04	87.2	70-130			

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Total Metals (TMTL) - Quality Control

US-EPA, Region 4, SESD

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1304056 - M 200.2 Metals Soil										
Matrix Spike Dup (1304056-MSD1)		**Source: E131406-04**		Prepared: 04/11/13 Analyzed: 04/26/13						
EPA 200.8										
Beryllium	21.216	1.2	mg/kg dry	19.736	0.21937	106	70-130	3.59	20	
Arsenic	48.815	2.5	"	49.339	0.14042	98.7	70-130	1.50	20	
Selenium	97.688	4.9	"	98.678	U	99.0	70-130	1.49	20	
Cadmium	21.402	1.2	"	19.736	0.036147	108	70-130	3.18	20	
Antimony	47.624	2.5	"	98.678	0.0092070	48.3	70-130	2.31	20	QM-1
Thallium	22.153	2.5	"	19.736	0.043968	112	70-130	0.451	20	
Lead	112.97	2.5	"	98.678	3.8987	111	70-130	1.20	20	
Matrix Spike Dup (1304056-MSD2)		**Source: E131406-24**		Prepared: 04/11/13 Analyzed: 04/26/13						
EPA 200.8										
Beryllium	19.555	2.5	mg/kg dry	19.960	0.29073	96.5	70-130	0.210	20	
Arsenic	59.594	5.0	"	49.900	23.409	72.5	70-130	7.47	20	
Selenium	46.649	10	"	99.800	U	46.7	70-130	11.3	20	QM-1
Cadmium	21.614	2.5	"	19.960	1.2760	102	70-130	0.571	20	
Antimony	49.706	5.0	"	99.800	1.8324	48.0	70-130	15.0	20	QM-1
Thallium	21.332	5.0	"	19.960	U	107	70-130	0.187	20	
Lead	328.49	5.0	"	99.800	281.04	47.5	70-130	11.1	20	QM-1
MRL Verification (1304056-PS1)				Prepared: 04/11/13 Analyzed: 04/26/13						
EPA 200.8										
Beryllium	0.051931	0.050	mg/kg dry	0.050000		104	65-135			MRL-3
Arsenic	0.077935	0.10	"	0.10000		77.9	65-135			MRL-3, U
Selenium	0.18735	0.20	"	0.20000		93.7	65-135			MRL-3, U
Cadmium	0.052965	0.050	"	0.050000		106	65-135			MRL-3
Antimony	0.052427	0.10	"	0.050000		105	65-135			MRL-3, U
Thallium	0.052327	0.10	"	0.050000		105	65-135			MRL-3, U
Lead	0.10694	0.10	"	0.10000		107	65-135			MRL-3
Batch 1304066 - M 245.1 Hg Wtr										
Blank (1304066-BLK1)				Prepared & Analyzed: 04/22/13						
EPA 245.1										
Mercury	U	0.10	ug/L							U

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Total Metals (TMTL) - Quality Control
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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1304066 - M 245.1 Hg Wtr										
LCS (1304066-BS1)				Prepared & Analyzed: 04/22/13						
EPA 245.1										
Mercury	1.9490	0.10	ug/L	2.0000		97.4	85-115			
LCS Dup (1304066-BSD1)				Prepared & Analyzed: 04/22/13						
EPA 245.1										
Mercury	2.1290	0.10	ug/L	2.0000		106	85-115	8.83	20	
Matrix Spike (1304066-MS1)		***Source: E131404-03***		*Prepared & Analyzed: 04/22/13*						
EPA 245.1										
Mercury	2.0010	0.10	ug/L	2.0000	U	100	70-130			
Matrix Spike (1304066-MS2)		**Source: E131406-03**		Prepared & Analyzed: 04/22/13						
EPA 245.1										
Mercury	2.0090	0.10	ug/L	2.0000	U	100	70-130			
Matrix Spike Dup (1304066-MSD1)		**Source: E131404-03**		Prepared & Analyzed: 04/22/13						
EPA 245.1										
Mercury	2.0250	0.10	ug/L	2.0000	U	101	70-130	1.19	20	
Matrix Spike Dup (1304066-MSD2)		**Source: E131406-03**		Prepared & Analyzed: 04/22/13						
EPA 245.1										
Mercury	1.9840	0.10	ug/L	2.0000	U	99.2	70-130	1.25	20	
MRL Verification (1304066-PS1)				Prepared & Analyzed: 04/22/13						
EPA 245.1										
Mercury	0.089000	0.10	ug/L	0.10000		89.0	65-135			MRL-2, U
Batch 1304069 - M 7473 Hg-Direct										
Blank (1304069-BLK1)				Prepared & Analyzed: 04/19/13						
EPA 7473										
Mercury	U	0.020	mg/kg dry							U
LCS (1304069-BS1)				Prepared & Analyzed: 04/19/13						
EPA 7473										
Mercury	1.2782	0.12	mg/kg dry	1.4000		91.3	80-120			

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Total Metals (TMTL) - Quality Control
US-EPA, Region 4, SESD

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1304069 - M 7473 Hg-Direct										
LCS Dup (1304069-BSD1)				Prepared & Analyzed: 04/19/13						
EPA 7473										
Mercury	1.3483	0.13	mg/kg dry	1.4000		96.3	80-120	5.34	20	
Matrix Spike (1304069-MS1)		**Source: E131406-02**		Prepared & Analyzed: 04/19/13						
EPA 7473										
Mercury	0.40593	0.020	mg/kg dry	0.19604	0.19214	109	80-120			
Matrix Spike Dup (1304069-MSD1)		**Source: E131406-02**		Prepared & Analyzed: 04/19/13						
EPA 7473										
Mercury	0.42098	0.020	mg/kg dry	0.19806	0.19214	116	80-120	3.64	20	
MRL Verification (1304069-PS1)				Prepared & Analyzed: 04/19/13						
EPA 7473										
Mercury	0.91900	1.0	mg/kg dry	1.0000		91.9	70-130			MRL-3, U
Batch 1304070 - M 7473 Hg-Direct										
Blank (1304070-BLK1)				Prepared & Analyzed: 04/23/13						
EPA 7473										
Mercury	U	0.019	mg/kg dry							U
LCS (1304070-BS1)				Prepared & Analyzed: 04/23/13						
EPA 7473										
Mercury	1.3236	0.12	mg/kg dry	1.4000		94.5	80-120			
LCS Dup (1304070-BSD1)				Prepared & Analyzed: 04/23/13						
EPA 7473										
Mercury	1.3942	0.11	mg/kg dry	1.4000		99.6	80-120	5.19	20	
Matrix Spike (1304070-MS1)		**Source: E131406-17RE2**		Prepared & Analyzed: 04/23/13						
EPA 7473										
Mercury	4.6785	0.18	mg/kg dry	1.7606	2.7338	110	80-120			
Matrix Spike Dup (1304070-MSD1)		**Source: E131406-17RE2**		Prepared & Analyzed: 04/23/13						
EPA 7473										
Mercury	4.3464	0.20	mg/kg dry	1.9841	2.7338	81.3	80-120	7.36	20	

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Total Metals (TMTL) - Quality Control

US-EPA, Region 4, SESD

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1304070 - M 7473 Hg-Direct										
Matrix Spike Dup (1304070-MSD1)		**Source: E131406-17RE2**		Prepared & Analyzed: 04/23/13						
MRL Verification (1304070-PS1)				Prepared & Analyzed: 04/23/13						
EPA 7473										
Mercury	1.1143	1.0	mg/kg dry	1.0000		111	70-130			MRL-3

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Physical Properties (PHYSP) - Quality Control

US-EPA, Region 4, SESD

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1304041 - M % Solids										
Duplicate (1304041-DUP1)		**Source: E131406-23**		Prepared: 04/08/13 Analyzed: 04/10/13						
EPA 200.2										
% Solids	91.402	0.0	%		91.963			0.612	10	

Notes and Definitions for QC Samples

U	The analyte was not detected at or above the reporting limit.
MRL-2	MRL verification for Non-Potable Water matrix
MRL-3	MRL verification for Soil matrix
QM-1	Matrix Spike Recovery less than method control limits
XM-1	Sample background/spike ratio higher than method evaluation criteria

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June 10, 2013

4SESD-ASB

MEMORANDUM

SUBJECT: FINAL Analytical Report
Project: 13-0295, Greenwood Mills Liner Plt
Superfund Remedial

FROM: Diana Burdette
OCS Chemist

THRU: Sallie Hale, Chief
ASB Organic Chemistry Section

TO: Nancy McKee

Attached are the final results for the analytical groups listed below. These analyses were performed in accordance with the Analytical Support Branch's (ASB) Laboratory Operations and Quality Assurance Manual (ASB LOQAM) found at www.epa.gov/region4/sesd/asbsop. Any unique project data quality objectives specified in writing by the data requestor have also been incorporated into the data unless otherwise noted in the Report Narrative. Chemistry data have been verified based on the ASB LOQAM specifications and have been qualified by this laboratory if the applicable quality control criteria were not met. Verification is defined in Section 5.2 of the ASB LOQAM. For a listing of specific data qualifiers and explanations, please refer to the Data Qualifier Definitions included in this report. The reported results are accurate within the limits of the method(s) and are representative only of the samples as received by the laboratory.

Analyses Included in this report:	Method Used:	Accreditations:
Semi Volatile Organics (SVOA)		
Semivolatile organic compounds	EPA 8270D (Soil)	ISO
Semivolatile organic compounds	EPA 8270D (Water)	ISO

Sample Disposal Policy

Because of the laboratory's limited space for long term sample storage, our policy is to dispose of samples on a periodic schedule. Please note that within 60 days of this memo, the original samples and all sample extracts and/or sample digestates will be disposed of in accordance with applicable regulations. The 60-day sample disposal policy does not apply to criminal samples which are held until the laboratory is notified by the criminal investigators that case development and litigation are complete.

These samples may be held in the laboratory's custody for a longer period of time if you have a special project need. If you wish for the laboratory to hold samples beyond the 60-day period, please contact our Sample Control Coordinator by e-mail at R4SampleCustody@epa.gov, and provide a reason for holding samples beyond 60 days

cc: Nardina Turner

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SAMPLES INCLUDED IN THIS REPORT

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID	Laboratory ID	Matrix	Date Collected	Date Received
GML-001-SD	E131406-02	Sediment	4/3/13 14:05	4/4/13 10:02
GML-001-SW	E131406-03	Surface Water	4/3/13 14:00	4/4/13 10:02
GML-002-SD	E131406-04	Sediment	4/3/13 14:20	4/4/13 10:02
GML-002-SW	E131406-05	Surface Water	4/3/13 14:10	4/4/13 10:02
GML-003-SD	E131406-06	Sediment	4/3/13 11:25	4/4/13 10:02
GML-003-SW	E131406-07	Surface Water	4/3/13 11:20	4/4/13 10:02
GML-004-SD	E131406-08	Sediment	4/3/13 11:45	4/4/13 10:02
GML-004-SW	E131406-09	Surface Water	4/3/13 11:40	4/4/13 10:02
GML-005-SD	E131406-10	Sediment	4/3/13 13:31	4/4/13 10:02
GML-005-SW	E131406-11	Surface Water	4/3/13 13:25	4/4/13 10:02
GML-006-SD	E131406-12	Sediment	4/3/13 11:10	4/4/13 10:02
GML-006-SW	E131406-13	Surface Water	4/3/13 11:05	4/4/13 10:02
GML-007-SD	E131406-14	Sediment	4/3/13 11:26	4/4/13 10:02
GML-007-SW	E131406-15	Surface Water	4/3/13 11:21	4/4/13 10:02
GML-008-SF	E131406-16	Surface Soil	4/3/13 12:30	4/4/13 10:02
GML-009-SF	E131406-17	Surface Soil	4/3/13 11:34	4/4/13 10:02
GML-010-SF	E131406-18	Surface Soil	4/3/13 11:45	4/4/13 10:02
GML-011-SF	E131406-19	Surface Soil	4/3/13 12:08	4/4/13 10:02
GML-012-SF	E131406-20	Surface Soil	4/3/13 12:15	4/4/13 10:02
GML-013-SF	E131406-21	Surface Soil	4/3/13 09:55	4/4/13 10:02
GML-014-SF	E131406-22	Surface Soil	4/3/13 10:10	4/4/13 10:02
GML-015-SF	E131406-23	Surface Soil	4/3/13 10:25	4/4/13 10:02
GML-016-SF	E131406-24	Surface Soil	4/3/13 12:42	4/4/13 10:02
GML-017-SF	E131406-25	Surface Soil	4/3/13 12:56	4/4/13 10:02
GML-019-GW	E131407-01	Groundwater	4/4/13 17:05	4/5/13 10:31
GML-020-GW	E131407-02	Groundwater	4/4/13 14:37	4/5/13 10:31
GML-021-GW	E131407-03	Groundwater	4/4/13 12:52	4/5/13 10:31

DATA QUALIFIER DEFINITIONS

U	The analyte was not detected at or above the reporting limit.
J	The identification of the analyte is acceptable; the reported value is an estimate.
N	There is presumptive evidence that the analyte is present; the analyte is reported as a tentative identification.
NJ	Presumptive evidence that analyte is present; reported as a tentative identification with an estimated value.
Q-2	Result greater than MDL but less than MRL.
QC-2	Analyte concentration high in continuing calibration verification standard
QI-1	Internal standard was outside of method control limits.
QL-2	Laboratory Control Spike Recovery greater than method control limits
QM-1	Matrix Spike Recovery less than method control limits
QS-4	Surrogate recovery less than 10%

ACRONYMS AND ABBREVIATIONS

CAS Chemical Abstracts Service

Note: Analytes with no known CAS identifiers have been assigned codes beginning with "E", the EPA ID as assigned by the EPA Substance Registry System (www.epa.gov/srs), or beginning with "R4-", a unique identifier assigned by the EPA Region 4 laboratory.

ISO The test, if analyzed after June 26, 2012, is accredited under the EPA Region 4 ASB's ISO/IEC 17025 accreditation issued by ANSI-ASQ National Accreditation Board/ACLASS. Refer to certificate and scope of accreditation AT-1691.

MDL Method Detection Limit - The minimum concentration of a substance (an analyte) that can be measured and reported with a 99% confidence that the analyte concentration is greater than zero.

MRL Minimum Reporting Limit - Analyte concentration that corresponds to the lowest demonstrated level of acceptable quantitation. The MRL is sample-specific and accounts for preparation weights and volumes, dilutions, and moisture content of soil/sediments.

TIC Tentatively Identified Compound - An analyte identified based on a match with the instrument software's mass spectral library. A calibration standard has not been analyzed to confirm the compound's identification or the estimated concentration reported.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Diana Burdette

Semi Volatile Organics

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-001-SD
Station ID: GML001
Lab ID: E131406-02
Matrix: Sediment

Date Collected: 4/3/13 14:05

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1319-77-3	(3-and/or 4-)Methylphenol	530	U	ug/kg dry	530	4/11/13 11:11	5/14/13 12:11	EPA 8270D
92-52-4	1,1-Biphenyl	53	U	ug/kg dry	53	4/11/13 11:11	5/14/13 12:11	EPA 8270D
90-12-0	1-Methylnaphthalene	53	U	ug/kg dry	53	4/11/13 11:11	5/14/13 12:11	EPA 8270D
58-90-2	2,3,4,6-Tetrachlorophenol	530	U	ug/kg dry	530	4/11/13 11:11	5/14/13 12:11	EPA 8270D
95-95-4	2,4,5-Trichlorophenol	530	U	ug/kg dry	530	4/11/13 11:11	5/14/13 12:11	EPA 8270D
88-06-2	2,4,6-Trichlorophenol	530	U	ug/kg dry	530	4/11/13 11:11	5/14/13 12:11	EPA 8270D
120-83-2	2,4-Dichlorophenol	530	U	ug/kg dry	530	4/11/13 11:11	5/14/13 12:11	EPA 8270D
105-67-9	2,4-Dimethylphenol	530	U	ug/kg dry	530	4/11/13 11:11	5/14/13 12:11	EPA 8270D
51-28-5	2,4-Dinitrophenol	530	U	ug/kg dry	530	4/11/13 11:11	5/14/13 12:11	EPA 8270D
121-14-2	2,4-Dinitrotoluene	530	U	ug/kg dry	530	4/11/13 11:11	5/14/13 12:11	EPA 8270D
606-20-2	2,6-Dinitrotoluene	530	U	ug/kg dry	530	4/11/13 11:11	5/14/13 12:11	EPA 8270D
91-58-7	2-Chloronaphthalene	530	U	ug/kg dry	530	4/11/13 11:11	5/14/13 12:11	EPA 8270D
95-57-8	2-Chlorophenol	530	U	ug/kg dry	530	4/11/13 11:11	5/14/13 12:11	EPA 8270D
534-52-1	2-Methyl-4,6-dinitrophenol	530	U	ug/kg dry	530	4/11/13 11:11	5/14/13 12:11	EPA 8270D
91-57-6	2-Methylnaphthalene	53	U	ug/kg dry	53	4/11/13 11:11	5/14/13 12:11	EPA 8270D
95-48-7	2-Methylphenol	530	U	ug/kg dry	530	4/11/13 11:11	5/14/13 12:11	EPA 8270D
88-74-4	2-Nitroaniline	530	U	ug/kg dry	530	4/11/13 11:11	5/14/13 12:11	EPA 8270D
88-75-5	2-Nitrophenol	530	U	ug/kg dry	530	4/11/13 11:11	5/14/13 12:11	EPA 8270D
91-94-1	3,3'-Dichlorobenzidine	530	U	ug/kg dry	530	4/11/13 11:11	5/14/13 12:11	EPA 8270D
99-09-2	3-Nitroaniline	530	U	ug/kg dry	530	4/11/13 11:11	5/14/13 12:11	EPA 8270D
101-55-3	4-Bromophenyl phenyl ether	530	U	ug/kg dry	530	4/11/13 11:11	5/14/13 12:11	EPA 8270D
59-50-7	4-Chloro-3-methylphenol	530	U	ug/kg dry	530	4/11/13 11:11	5/14/13 12:11	EPA 8270D
106-47-8	4-Chloroaniline	530	U	ug/kg dry	530	4/11/13 11:11	5/14/13 12:11	EPA 8270D
7005-72-3	4-Chlorophenyl phenyl ether	530	U	ug/kg dry	530	4/11/13 11:11	5/14/13 12:11	EPA 8270D
100-01-6	4-Nitroaniline	530	U	ug/kg dry	530	4/11/13 11:11	5/14/13 12:11	EPA 8270D
100-02-7	4-Nitrophenol	530	U	ug/kg dry	530	4/11/13 11:11	5/14/13 12:11	EPA 8270D
83-32-9	Acenaphthene	53	U	ug/kg dry	53	4/11/13 11:11	5/14/13 12:11	EPA 8270D
208-96-8	Acenaphthylene	53	U	ug/kg dry	53	4/11/13 11:11	5/14/13 12:11	EPA 8270D

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Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Diana Burdette

Semi Volatile Organics

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-001-SD
Station ID: GML001
Lab ID: E131406-02
Matrix: Sediment

Date Collected: 4/3/13 14:05

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
98-86-2	Acetophenone	530	U	ug/kg dry	530	4/11/13 11:11	5/14/13 12:11	EPA 8270D
120-12-7	Anthracene	53	U	ug/kg dry	53	4/11/13 11:11	5/14/13 12:11	EPA 8270D
1912-24-9	Atrazine	530	U	ug/kg dry	530	4/11/13 11:11	5/14/13 12:11	EPA 8270D
100-52-7	Benzaldehyde	530	U	ug/kg dry	530	4/11/13 11:11	5/14/13 12:11	EPA 8270D
56-55-3	Benzo(a)anthracene	53	U	ug/kg dry	53	4/11/13 11:11	5/14/13 12:11	EPA 8270D
50-32-8	Benzo(a)pyrene	53	U	ug/kg dry	53	4/11/13 11:11	5/14/13 12:11	EPA 8270D
205-99-2	Benzo(b)fluoranthene	53	U	ug/kg dry	53	4/11/13 11:11	5/14/13 12:11	EPA 8270D
191-24-2	Benzo(g,h,i)perylene	53	U	ug/kg dry	53	4/11/13 11:11	5/14/13 12:11	EPA 8270D
207-08-9	Benzo(k)fluoranthene	53	U	ug/kg dry	53	4/11/13 11:11	5/14/13 12:11	EPA 8270D
85-68-7	Benzyl butyl phthalate	530	U	ug/kg dry	530	4/11/13 11:11	5/14/13 12:11	EPA 8270D
111-91-1	Bis(2-chloroethoxy)methane	530	U	ug/kg dry	530	4/11/13 11:11	5/14/13 12:11	EPA 8270D
111-44-4	bis(2-Chloroethyl) Ether	530	U	ug/kg dry	530	4/11/13 11:11	5/14/13 12:11	EPA 8270D
39638-32-9	Bis(2-chloroisopropyl) ether	530	U	ug/kg dry	530	4/11/13 11:11	5/14/13 12:11	EPA 8270D
117-81-7	Bis(2-ethylhexyl) phthalate	530	U	ug/kg dry	530	4/11/13 11:11	5/14/13 12:11	EPA 8270D
105-60-2	Caprolactam	530	U	ug/kg dry	530	4/11/13 11:11	5/14/13 12:11	EPA 8270D
86-74-8	Carbazole	53	U	ug/kg dry	53	4/11/13 11:11	5/14/13 12:11	EPA 8270D
218-01-9	Chrysene	53	U	ug/kg dry	53	4/11/13 11:11	5/14/13 12:11	EPA 8270D
53-70-3	Dibenz(a,h)anthracene	53	U	ug/kg dry	53	4/11/13 11:11	5/14/13 12:11	EPA 8270D
132-64-9	Dibenzofuran	53	U	ug/kg dry	53	4/11/13 11:11	5/14/13 12:11	EPA 8270D
84-66-2	Diethyl phthalate	530	U	ug/kg dry	530	4/11/13 11:11	5/14/13 12:11	EPA 8270D
131-11-3	Dimethyl phthalate	530	U	ug/kg dry	530	4/11/13 11:11	5/14/13 12:11	EPA 8270D
84-74-2	Di-n-butylphthalate	530	U	ug/kg dry	530	4/11/13 11:11	5/14/13 12:11	EPA 8270D
117-84-0	Di-n-octylphthalate	530	U	ug/kg dry	530	4/11/13 11:11	5/14/13 12:11	EPA 8270D
206-44-0	Fluoranthene	53	U	ug/kg dry	53	4/11/13 11:11	5/14/13 12:11	EPA 8270D
86-73-7	Fluorene	53	U	ug/kg dry	53	4/11/13 11:11	5/14/13 12:11	EPA 8270D
118-74-1	Hexachlorobenzene (HCB)	53	U	ug/kg dry	53	4/11/13 11:11	5/14/13 12:11	EPA 8270D
77-47-4	Hexachlorocyclopentadiene (HCCP)	530	U	ug/kg dry	530	4/11/13 11:11	5/14/13 12:11	EPA 8270D
67-72-1	Hexachloroethane	530	U	ug/kg dry	530	4/11/13 11:11	5/14/13 12:11	EPA 8270D
193-39-5	Indeno (1,2,3-cd) pyrene	53	U	ug/kg dry	53	4/11/13 11:11	5/14/13 12:11	EPA 8270D

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D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Diana Burdette

Semi Volatile Organics

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-001-SD
Station ID: GML001
Lab ID: E131406-02
Matrix: Sediment

Date Collected: 4/3/13 14:05

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
78-59-1	Isophorone	530	U	ug/kg dry	530	4/11/13 11:11	5/14/13 12:11	EPA 8270D
91-20-3	Naphthalene	53	U	ug/kg dry	53	4/11/13 11:11	5/14/13 12:11	EPA 8270D
98-95-3	Nitrobenzene	530	U	ug/kg dry	530	4/11/13 11:11	5/14/13 12:11	EPA 8270D
621-64-7	n-Nitroso di-n-Propylamine	530	U	ug/kg dry	530	4/11/13 11:11	5/14/13 12:11	EPA 8270D
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	530	U	ug/kg dry	530	4/11/13 11:11	5/14/13 12:11	EPA 8270D
87-86-5	Pentachlorophenol	530	U	ug/kg dry	530	4/11/13 11:11	5/14/13 12:11	EPA 8270D
85-01-8	Phenanthrene	53	U	ug/kg dry	53	4/11/13 11:11	5/14/13 12:11	EPA 8270D
108-95-2	Phenol	530	U	ug/kg dry	530	4/11/13 11:11	5/14/13 12:11	EPA 8270D
129-00-0	Pyrene	53	U	ug/kg dry	53	4/11/13 11:11	5/14/13 12:11	EPA 8270D
Tentatively Identified Compounds:								
R4-6500	Petroleum Product:		N			11:11 11:11	5/14/13 12:11	EPA 8270D
R4-8001173	Trifluoroacetic acid, octadecyl ester (TIC)	1000	NJ	ug/kg dry		4/11/13 11:11	5/14/13 12:11	EPA 8270D
R4-6501	Unidentified Compounds	900	J	ug/kg dry		4/11/13 11:11	5/14/13 12:11	EPA 8270D

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D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Diana Burdette

Semi Volatile Organics

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-001-SW
Station ID: GML001
Lab ID: E131406-03
Matrix: Surface Water

Date Collected: 4/3/13 14:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1319-77-3	(3-and/or 4-)Methylphenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 17:57	EPA 8270D
92-52-4	1,1-Biphenyl	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 17:57	EPA 8270D
90-12-0	1-Methylnaphthalene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 17:57	EPA 8270D
58-90-2	2,3,4,6-Tetrachlorophenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 17:57	EPA 8270D
95-95-4	2,4,5-Trichlorophenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 17:57	EPA 8270D
88-06-2	2,4,6-Trichlorophenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 17:57	EPA 8270D
120-83-2	2,4-Dichlorophenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 17:57	EPA 8270D
105-67-9	2,4-Dimethylphenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 17:57	EPA 8270D
51-28-5	2,4-Dinitrophenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 17:57	EPA 8270D
121-14-2	2,4-Dinitrotoluene	10	U	ug/L	10	4/08/13 9:28	4/23/13 17:57	EPA 8270D
606-20-2	2,6-Dinitrotoluene	10	U	ug/L	10	4/08/13 9:28	4/23/13 17:57	EPA 8270D
91-58-7	2-Chloronaphthalene	10	U	ug/L	10	4/08/13 9:28	4/23/13 17:57	EPA 8270D
95-57-8	2-Chlorophenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 17:57	EPA 8270D
534-52-1	2-Methyl-4,6-dinitrophenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 17:57	EPA 8270D
91-57-6	2-Methylnaphthalene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 17:57	EPA 8270D
95-48-7	2-Methylphenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 17:57	EPA 8270D
88-74-4	2-Nitroaniline	10	U	ug/L	10	4/08/13 9:28	4/23/13 17:57	EPA 8270D
88-75-5	2-Nitrophenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 17:57	EPA 8270D
91-94-1	3,3'-Dichlorobenzidine	10	U	ug/L	10	4/08/13 9:28	4/23/13 17:57	EPA 8270D
99-09-2	3-Nitroaniline	10	U	ug/L	10	4/08/13 9:28	4/23/13 17:57	EPA 8270D
101-55-3	4-Bromophenyl phenyl ether	10	U	ug/L	10	4/08/13 9:28	4/23/13 17:57	EPA 8270D
59-50-7	4-Chloro-3-methylphenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 17:57	EPA 8270D
106-47-8	4-Chloroaniline	10	U	ug/L	10	4/08/13 9:28	4/23/13 17:57	EPA 8270D
7005-72-3	4-Chlorophenyl phenyl ether	10	U	ug/L	10	4/08/13 9:28	4/23/13 17:57	EPA 8270D
100-01-6	4-Nitroaniline	10	U	ug/L	10	4/08/13 9:28	4/23/13 17:57	EPA 8270D
100-02-7	4-Nitrophenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 17:57	EPA 8270D
83-32-9	Acenaphthene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 17:57	EPA 8270D
208-96-8	Acenaphthylene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 17:57	EPA 8270D

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980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Diana Burdette

Semi Volatile Organics

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-001-SW
Station ID: GML001
Lab ID: E131406-03
Matrix: Surface Water

Date Collected: 4/3/13 14:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
98-86-2	Acetophenone	10	U	ug/L	10	4/08/13 9:28	4/23/13 17:57	EPA 8270D
120-12-7	Anthracene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 17:57	EPA 8270D
1912-24-9	Atrazine	10	U	ug/L	10	4/08/13 9:28	4/23/13 17:57	EPA 8270D
100-52-7	Benzaldehyde	10	U	ug/L	10	4/08/13 9:28	4/23/13 17:57	EPA 8270D
56-55-3	Benzo(a)anthracene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 17:57	EPA 8270D
50-32-8	Benzo(a)pyrene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 17:57	EPA 8270D
205-99-2	Benzo(b)fluoranthene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 17:57	EPA 8270D
191-24-2	Benzo(g,h,i)perylene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 17:57	EPA 8270D
207-08-9	Benzo(k)fluoranthene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 17:57	EPA 8270D
85-68-7	Benzyl butyl phthalate	10	U	ug/L	10	4/08/13 9:28	4/23/13 17:57	EPA 8270D
111-91-1	Bis(2-chloroethoxy)methane	10	U	ug/L	10	4/08/13 9:28	4/23/13 17:57	EPA 8270D
111-44-4	bis(2-Chloroethyl) Ether	10	U	ug/L	10	4/08/13 9:28	4/23/13 17:57	EPA 8270D
39638-32-9	Bis(2-chloroisopropyl) ether	10	U	ug/L	10	4/08/13 9:28	4/23/13 17:57	EPA 8270D
117-81-7	Bis(2-ethylhexyl) phthalate	10	U	ug/L	10	4/08/13 9:28	4/23/13 17:57	EPA 8270D
105-60-2	Caprolactam	10	U	ug/L	10	4/08/13 9:28	4/23/13 17:57	EPA 8270D
86-74-8	Carbazole	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 17:57	EPA 8270D
218-01-9	Chrysene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 17:57	EPA 8270D
53-70-3	Dibenz(a,h)anthracene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 17:57	EPA 8270D
132-64-9	Dibenzofuran	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 17:57	EPA 8270D
84-66-2	Diethyl phthalate	10	U	ug/L	10	4/08/13 9:28	4/23/13 17:57	EPA 8270D
131-11-3	Dimethyl phthalate	10	U	ug/L	10	4/08/13 9:28	4/23/13 17:57	EPA 8270D
84-74-2	Di-n-butylphthalate	10	U	ug/L	10	4/08/13 9:28	4/23/13 17:57	EPA 8270D
117-84-0	Di-n-octylphthalate	10	U	ug/L	10	4/08/13 9:28	4/23/13 17:57	EPA 8270D
206-44-0	Fluoranthene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 17:57	EPA 8270D
86-73-7	Fluorene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 17:57	EPA 8270D
118-74-1	Hexachlorobenzene (HCB)	10	U	ug/L	10	4/08/13 9:28	4/23/13 17:57	EPA 8270D
77-47-4	Hexachlorocyclopentadiene (HCCP)	10	U	ug/L	10	4/08/13 9:28	4/23/13 17:57	EPA 8270D
67-72-1	Hexachloroethane	10	U	ug/L	10	4/08/13 9:28	4/23/13 17:57	EPA 8270D
193-39-5	Indeno (1,2,3-cd) pyrene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 17:57	EPA 8270D

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Diana Burdette

Semi Volatile Organics

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-001-SW
Station ID: GML001
Lab ID: E131406-03
Matrix: Surface Water

Date Collected: 4/3/13 14:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
78-59-1	Isophorone	10	U	ug/L	10	4/08/13 9:28	4/23/13 17:57	EPA 8270D
91-20-3	Naphthalene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 17:57	EPA 8270D
98-95-3	Nitrobenzene	10	U	ug/L	10	4/08/13 9:28	4/23/13 17:57	EPA 8270D
621-64-7	n-Nitroso di-n-Propylamine	10	U	ug/L	10	4/08/13 9:28	4/23/13 17:57	EPA 8270D
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	10	U	ug/L	10	4/08/13 9:28	4/23/13 17:57	EPA 8270D
87-86-5	Pentachlorophenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 17:57	EPA 8270D
85-01-8	Phenanthrene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 17:57	EPA 8270D
108-95-2	Phenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 17:57	EPA 8270D
129-00-0	Pyrene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 17:57	EPA 8270D
Tentatively Identified Compounds:								
R4-0000	Tentatively Identified Compounds	10	U	ug/L	10	4/08/13 9:28	4/23/13 17:57	EPA 8270D

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Diana Burdette

Semi Volatile Organics

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-002-SD
Station ID: GML002
Lab ID: E131406-04
Matrix: Sediment

Date Collected: 4/3/13 14:20

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1319-77-3	(3-and/or 4-)Methylphenol	720	U	ug/kg dry	720	4/11/13 11:11	5/14/13 12:45	EPA 8270D
92-52-4	1,1-Biphenyl	72	U	ug/kg dry	72	4/11/13 11:11	5/14/13 12:45	EPA 8270D
90-12-0	1-Methylnaphthalene	72	U	ug/kg dry	72	4/11/13 11:11	5/14/13 12:45	EPA 8270D
58-90-2	2,3,4,6-Tetrachlorophenol	720	U	ug/kg dry	720	4/11/13 11:11	5/14/13 12:45	EPA 8270D
95-95-4	2,4,5-Trichlorophenol	720	U	ug/kg dry	720	4/11/13 11:11	5/14/13 12:45	EPA 8270D
88-06-2	2,4,6-Trichlorophenol	720	U	ug/kg dry	720	4/11/13 11:11	5/14/13 12:45	EPA 8270D
120-83-2	2,4-Dichlorophenol	720	U	ug/kg dry	720	4/11/13 11:11	5/14/13 12:45	EPA 8270D
105-67-9	2,4-Dimethylphenol	720	U	ug/kg dry	720	4/11/13 11:11	5/14/13 12:45	EPA 8270D
51-28-5	2,4-Dinitrophenol	720	U	ug/kg dry	720	4/11/13 11:11	5/14/13 12:45	EPA 8270D
121-14-2	2,4-Dinitrotoluene	720	U	ug/kg dry	720	4/11/13 11:11	5/14/13 12:45	EPA 8270D
606-20-2	2,6-Dinitrotoluene	720	U	ug/kg dry	720	4/11/13 11:11	5/14/13 12:45	EPA 8270D
91-58-7	2-Chloronaphthalene	720	U	ug/kg dry	720	4/11/13 11:11	5/14/13 12:45	EPA 8270D
95-57-8	2-Chlorophenol	720	U	ug/kg dry	720	4/11/13 11:11	5/14/13 12:45	EPA 8270D
534-52-1	2-Methyl-4,6-dinitrophenol	720	U	ug/kg dry	720	4/11/13 11:11	5/14/13 12:45	EPA 8270D
91-57-6	2-Methylnaphthalene	72	U	ug/kg dry	72	4/11/13 11:11	5/14/13 12:45	EPA 8270D
95-48-7	2-Methylphenol	720	U	ug/kg dry	720	4/11/13 11:11	5/14/13 12:45	EPA 8270D
88-74-4	2-Nitroaniline	720	U	ug/kg dry	720	4/11/13 11:11	5/14/13 12:45	EPA 8270D
88-75-5	2-Nitrophenol	720	U	ug/kg dry	720	4/11/13 11:11	5/14/13 12:45	EPA 8270D
91-94-1	3,3'-Dichlorobenzidine	720	U	ug/kg dry	720	4/11/13 11:11	5/14/13 12:45	EPA 8270D
99-09-2	3-Nitroaniline	720	U	ug/kg dry	720	4/11/13 11:11	5/14/13 12:45	EPA 8270D
101-55-3	4-Bromophenyl phenyl ether	720	U	ug/kg dry	720	4/11/13 11:11	5/14/13 12:45	EPA 8270D
59-50-7	4-Chloro-3-methylphenol	720	U	ug/kg dry	720	4/11/13 11:11	5/14/13 12:45	EPA 8270D
106-47-8	4-Chloroaniline	720	U	ug/kg dry	720	4/11/13 11:11	5/14/13 12:45	EPA 8270D
7005-72-3	4-Chlorophenyl phenyl ether	720	U	ug/kg dry	720	4/11/13 11:11	5/14/13 12:45	EPA 8270D
100-01-6	4-Nitroaniline	720	U	ug/kg dry	720	4/11/13 11:11	5/14/13 12:45	EPA 8270D
100-02-7	4-Nitrophenol	720	U	ug/kg dry	720	4/11/13 11:11	5/14/13 12:45	EPA 8270D
83-32-9	Acenaphthene	72	U	ug/kg dry	72	4/11/13 11:11	5/14/13 12:45	EPA 8270D
208-96-8	Acenaphthylene	72	U	ug/kg dry	72	4/11/13 11:11	5/14/13 12:45	EPA 8270D

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Diana Burdette

Semi Volatile Organics

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-002-SD
Station ID: GML002
Lab ID: E131406-04
Matrix: Sediment

Date Collected: 4/3/13 14:20

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
98-86-2	Acetophenone	720	U	ug/kg dry	720	4/11/13 11:11	5/14/13 12:45	EPA 8270D
120-12-7	Anthracene	72	U	ug/kg dry	72	4/11/13 11:11	5/14/13 12:45	EPA 8270D
1912-24-9	Atrazine	720	U	ug/kg dry	720	4/11/13 11:11	5/14/13 12:45	EPA 8270D
100-52-7	Benzaldehyde	720	U	ug/kg dry	720	4/11/13 11:11	5/14/13 12:45	EPA 8270D
56-55-3	Benzo(a)anthracene	72	U	ug/kg dry	72	4/11/13 11:11	5/14/13 12:45	EPA 8270D
50-32-8	Benzo(a)pyrene	290		ug/kg dry	72	4/11/13 11:11	5/14/13 12:45	EPA 8270D
205-99-2	Benzo(b)fluoranthene	72	U	ug/kg dry	72	4/11/13 11:11	5/14/13 12:45	EPA 8270D
191-24-2	Benzo(g,h,i)perylene	72	U	ug/kg dry	72	4/11/13 11:11	5/14/13 12:45	EPA 8270D
207-08-9	Benzo(k)fluoranthene	72	U	ug/kg dry	72	4/11/13 11:11	5/14/13 12:45	EPA 8270D
85-68-7	Benzyl butyl phthalate	720	U	ug/kg dry	720	4/11/13 11:11	5/14/13 12:45	EPA 8270D
111-91-1	Bis(2-chloroethoxy)methane	720	U	ug/kg dry	720	4/11/13 11:11	5/14/13 12:45	EPA 8270D
111-44-4	bis(2-Chloroethyl) Ether	720	U	ug/kg dry	720	4/11/13 11:11	5/14/13 12:45	EPA 8270D
39638-32-9	Bis(2-chloroisopropyl) ether	720	U	ug/kg dry	720	4/11/13 11:11	5/14/13 12:45	EPA 8270D
117-81-7	Bis(2-ethylhexyl) phthalate	720	U	ug/kg dry	720	4/11/13 11:11	5/14/13 12:45	EPA 8270D
105-60-2	Caprolactam	720	U	ug/kg dry	720	4/11/13 11:11	5/14/13 12:45	EPA 8270D
86-74-8	Carbazole	72	U	ug/kg dry	72	4/11/13 11:11	5/14/13 12:45	EPA 8270D
218-01-9	Chrysene	72	U	ug/kg dry	72	4/11/13 11:11	5/14/13 12:45	EPA 8270D
53-70-3	Dibenz(a,h)anthracene	72	U	ug/kg dry	72	4/11/13 11:11	5/14/13 12:45	EPA 8270D
132-64-9	Dibenzofuran	72	U	ug/kg dry	72	4/11/13 11:11	5/14/13 12:45	EPA 8270D
84-66-2	Diethyl phthalate	720	U	ug/kg dry	720	4/11/13 11:11	5/14/13 12:45	EPA 8270D
131-11-3	Dimethyl phthalate	720	U	ug/kg dry	720	4/11/13 11:11	5/14/13 12:45	EPA 8270D
84-74-2	Di-n-butylphthalate	720	U	ug/kg dry	720	4/11/13 11:11	5/14/13 12:45	EPA 8270D
117-84-0	Di-n-octylphthalate	720	U	ug/kg dry	720	4/11/13 11:11	5/14/13 12:45	EPA 8270D
206-44-0	Fluoranthene	72	U	ug/kg dry	72	4/11/13 11:11	5/14/13 12:45	EPA 8270D
86-73-7	Fluorene	72	U	ug/kg dry	72	4/11/13 11:11	5/14/13 12:45	EPA 8270D
118-74-1	Hexachlorobenzene (HCB)	72	U	ug/kg dry	72	4/11/13 11:11	5/14/13 12:45	EPA 8270D
77-47-4	Hexachlorocyclopentadiene (HCCP)	720	U	ug/kg dry	720	4/11/13 11:11	5/14/13 12:45	EPA 8270D
67-72-1	Hexachloroethane	720	U	ug/kg dry	720	4/11/13 11:11	5/14/13 12:45	EPA 8270D
193-39-5	Indeno (1,2,3-cd) pyrene	72	U	ug/kg dry	72	4/11/13 11:11	5/14/13 12:45	EPA 8270D

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Diana Burdette

Semi Volatile Organics

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-002-SD
Station ID: GML002
Lab ID: E131406-04
Matrix: Sediment

Date Collected: 4/3/13 14:20

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
78-59-1	Isophorone	720	U	ug/kg dry	720	4/11/13 11:11	5/14/13 12:45	EPA 8270D
91-20-3	Naphthalene	72	U	ug/kg dry	72	4/11/13 11:11	5/14/13 12:45	EPA 8270D
98-95-3	Nitrobenzene	720	U	ug/kg dry	720	4/11/13 11:11	5/14/13 12:45	EPA 8270D
621-64-7	n-Nitroso di-n-Propylamine	720	U	ug/kg dry	720	4/11/13 11:11	5/14/13 12:45	EPA 8270D
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	720	U	ug/kg dry	720	4/11/13 11:11	5/14/13 12:45	EPA 8270D
87-86-5	Pentachlorophenol	720	U	ug/kg dry	720	4/11/13 11:11	5/14/13 12:45	EPA 8270D
85-01-8	Phenanthrene	72	U	ug/kg dry	72	4/11/13 11:11	5/14/13 12:45	EPA 8270D
108-95-2	Phenol	720	U	ug/kg dry	720	4/11/13 11:11	5/14/13 12:45	EPA 8270D
129-00-0	Pyrene	72	U	ug/kg dry	72	4/11/13 11:11	5/14/13 12:45	EPA 8270D
Tentatively Identified Compounds:								
R4-6500	Petroleum Product:		N			11:11 11:11	5/14/13 12:45	EPA 8270D
R4-8001074	Taraxerol (TIC)	5000	NJ	ug/kg dry		4/11/13 11:11	5/14/13 12:45	EPA 8270D
R4-6501	Unidentified Compounds	3000	J	ug/kg dry		4/11/13 11:11	5/14/13 12:45	EPA 8270D

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
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980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Diana Burdette

Semi Volatile Organics

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-002-SW
Station ID: GML002

Lab ID: E131406-05
Matrix: Surface Water

Date Collected: 4/3/13 14:10

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1319-77-3	(3-and/or 4-)Methylphenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 18:29	EPA 8270D
92-52-4	1,1-Biphenyl	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 18:29	EPA 8270D
90-12-0	1-Methylnaphthalene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 18:29	EPA 8270D
58-90-2	2,3,4,6-Tetrachlorophenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 18:29	EPA 8270D
95-95-4	2,4,5-Trichlorophenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 18:29	EPA 8270D
88-06-2	2,4,6-Trichlorophenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 18:29	EPA 8270D
120-83-2	2,4-Dichlorophenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 18:29	EPA 8270D
105-67-9	2,4-Dimethylphenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 18:29	EPA 8270D
51-28-5	2,4-Dinitrophenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 18:29	EPA 8270D
121-14-2	2,4-Dinitrotoluene	10	U	ug/L	10	4/08/13 9:28	4/23/13 18:29	EPA 8270D
606-20-2	2,6-Dinitrotoluene	10	U	ug/L	10	4/08/13 9:28	4/23/13 18:29	EPA 8270D
91-58-7	2-Chloronaphthalene	10	U	ug/L	10	4/08/13 9:28	4/23/13 18:29	EPA 8270D
95-57-8	2-Chlorophenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 18:29	EPA 8270D
534-52-1	2-Methyl-4,6-dinitrophenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 18:29	EPA 8270D
91-57-6	2-Methylnaphthalene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 18:29	EPA 8270D
95-48-7	2-Methylphenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 18:29	EPA 8270D
88-74-4	2-Nitroaniline	10	U	ug/L	10	4/08/13 9:28	4/23/13 18:29	EPA 8270D
88-75-5	2-Nitrophenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 18:29	EPA 8270D
91-94-1	3,3'-Dichlorobenzidine	10	U	ug/L	10	4/08/13 9:28	4/23/13 18:29	EPA 8270D
99-09-2	3-Nitroaniline	10	U	ug/L	10	4/08/13 9:28	4/23/13 18:29	EPA 8270D
101-55-3	4-Bromophenyl phenyl ether	10	U	ug/L	10	4/08/13 9:28	4/23/13 18:29	EPA 8270D
59-50-7	4-Chloro-3-methylphenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 18:29	EPA 8270D
106-47-8	4-Chloroaniline	10	U	ug/L	10	4/08/13 9:28	4/23/13 18:29	EPA 8270D
7005-72-3	4-Chlorophenyl phenyl ether	10	U	ug/L	10	4/08/13 9:28	4/23/13 18:29	EPA 8270D
100-01-6	4-Nitroaniline	10	U	ug/L	10	4/08/13 9:28	4/23/13 18:29	EPA 8270D
100-02-7	4-Nitrophenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 18:29	EPA 8270D
83-32-9	Acenaphthene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 18:29	EPA 8270D
208-96-8	Acenaphthylene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 18:29	EPA 8270D

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Diana Burdette

Semi Volatile Organics

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-002-SW
Station ID: GML002
Lab ID: E131406-05
Matrix: Surface Water

Date Collected: 4/3/13 14:10

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
98-86-2	Acetophenone	10	U	ug/L	10	4/08/13 9:28	4/23/13 18:29	EPA 8270D
120-12-7	Anthracene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 18:29	EPA 8270D
1912-24-9	Atrazine	10	U	ug/L	10	4/08/13 9:28	4/23/13 18:29	EPA 8270D
100-52-7	Benzaldehyde	10	U	ug/L	10	4/08/13 9:28	4/23/13 18:29	EPA 8270D
56-55-3	Benzo(a)anthracene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 18:29	EPA 8270D
50-32-8	Benzo(a)pyrene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 18:29	EPA 8270D
205-99-2	Benzo(b)fluoranthene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 18:29	EPA 8270D
191-24-2	Benzo(g,h,i)perylene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 18:29	EPA 8270D
207-08-9	Benzo(k)fluoranthene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 18:29	EPA 8270D
85-68-7	Benzyl butyl phthalate	10	U	ug/L	10	4/08/13 9:28	4/23/13 18:29	EPA 8270D
111-91-1	Bis(2-chloroethoxy)methane	10	U	ug/L	10	4/08/13 9:28	4/23/13 18:29	EPA 8270D
111-44-4	bis(2-Chloroethyl) Ether	10	U	ug/L	10	4/08/13 9:28	4/23/13 18:29	EPA 8270D
39638-32-9	Bis(2-chloroisopropyl) ether	10	U	ug/L	10	4/08/13 9:28	4/23/13 18:29	EPA 8270D
117-81-7	Bis(2-ethylhexyl) phthalate	10	U	ug/L	10	4/08/13 9:28	4/23/13 18:29	EPA 8270D
105-60-2	Caprolactam	10	U	ug/L	10	4/08/13 9:28	4/23/13 18:29	EPA 8270D
86-74-8	Carbazole	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 18:29	EPA 8270D
218-01-9	Chrysene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 18:29	EPA 8270D
53-70-3	Dibenz(a,h)anthracene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 18:29	EPA 8270D
132-64-9	Dibenzofuran	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 18:29	EPA 8270D
84-66-2	Diethyl phthalate	10	U	ug/L	10	4/08/13 9:28	4/23/13 18:29	EPA 8270D
131-11-3	Dimethyl phthalate	10	U	ug/L	10	4/08/13 9:28	4/23/13 18:29	EPA 8270D
84-74-2	Di-n-butylphthalate	10	U	ug/L	10	4/08/13 9:28	4/23/13 18:29	EPA 8270D
117-84-0	Di-n-octylphthalate	10	U	ug/L	10	4/08/13 9:28	4/23/13 18:29	EPA 8270D
206-44-0	Fluoranthene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 18:29	EPA 8270D
86-73-7	Fluorene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 18:29	EPA 8270D
118-74-1	Hexachlorobenzene (HCB)	10	U	ug/L	10	4/08/13 9:28	4/23/13 18:29	EPA 8270D
77-47-4	Hexachlorocyclopentadiene (HCCP)	10	U	ug/L	10	4/08/13 9:28	4/23/13 18:29	EPA 8270D
67-72-1	Hexachloroethane	10	U	ug/L	10	4/08/13 9:28	4/23/13 18:29	EPA 8270D
193-39-5	Indeno (1,2,3-cd) pyrene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 18:29	EPA 8270D

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Diana Burdette

Semi Volatile Organics

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-002-SW
Station ID: GML002
Lab ID: E131406-05
Matrix: Surface Water

Date Collected: 4/3/13 14:10

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
78-59-1	Isophorone	10	U	ug/L	10	4/08/13 9:28	4/23/13 18:29	EPA 8270D
91-20-3	Naphthalene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 18:29	EPA 8270D
98-95-3	Nitrobenzene	10	U	ug/L	10	4/08/13 9:28	4/23/13 18:29	EPA 8270D
621-64-7	n-Nitroso di-n-Propylamine	10	U	ug/L	10	4/08/13 9:28	4/23/13 18:29	EPA 8270D
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	10	U	ug/L	10	4/08/13 9:28	4/23/13 18:29	EPA 8270D
87-86-5	Pentachlorophenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 18:29	EPA 8270D
85-01-8	Phenanthrene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 18:29	EPA 8270D
108-95-2	Phenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 18:29	EPA 8270D
129-00-0	Pyrene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 18:29	EPA 8270D
Tentatively Identified Compounds:								
R4-0000	Tentatively Identified Compounds	10	U	ug/L	10	4/08/13 9:28	4/23/13 18:29	EPA 8270D

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
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980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Diana Burdette

Semi Volatile Organics

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-003-SD
Station ID: GML003
Lab ID: E131406-06
Matrix: Sediment

Date Collected: 4/3/13 11:25

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1319-77-3	(3-and/or 4-)Methylphenol	1000	U	ug/kg dry	1000	4/11/13 11:11	5/14/13 17:45	EPA 8270D
92-52-4	1,1-Biphenyl	100	U	ug/kg dry	100	4/11/13 11:11	5/14/13 17:45	EPA 8270D
90-12-0	1-Methylnaphthalene	100	U	ug/kg dry	100	4/11/13 11:11	5/14/13 17:45	EPA 8270D
58-90-2	2,3,4,6-Tetrachlorophenol	1000	U	ug/kg dry	1000	4/11/13 11:11	5/14/13 17:45	EPA 8270D
95-95-4	2,4,5-Trichlorophenol	1000	U	ug/kg dry	1000	4/11/13 11:11	5/14/13 17:45	EPA 8270D
88-06-2	2,4,6-Trichlorophenol	1000	U	ug/kg dry	1000	4/11/13 11:11	5/14/13 17:45	EPA 8270D
120-83-2	2,4-Dichlorophenol	1000	U	ug/kg dry	1000	4/11/13 11:11	5/14/13 17:45	EPA 8270D
105-67-9	2,4-Dimethylphenol	1000	U	ug/kg dry	1000	4/11/13 11:11	5/14/13 17:45	EPA 8270D
51-28-5	2,4-Dinitrophenol	1000	U	ug/kg dry	1000	4/11/13 11:11	5/14/13 17:45	EPA 8270D
121-14-2	2,4-Dinitrotoluene	1000	U	ug/kg dry	1000	4/11/13 11:11	5/14/13 17:45	EPA 8270D
606-20-2	2,6-Dinitrotoluene	1000	U	ug/kg dry	1000	4/11/13 11:11	5/14/13 17:45	EPA 8270D
91-58-7	2-Chloronaphthalene	1000	U	ug/kg dry	1000	4/11/13 11:11	5/14/13 17:45	EPA 8270D
95-57-8	2-Chlorophenol	1000	U	ug/kg dry	1000	4/11/13 11:11	5/14/13 17:45	EPA 8270D
534-52-1	2-Methyl-4,6-dinitrophenol	1000	U	ug/kg dry	1000	4/11/13 11:11	5/14/13 17:45	EPA 8270D
91-57-6	2-Methylnaphthalene	100	U	ug/kg dry	100	4/11/13 11:11	5/14/13 17:45	EPA 8270D
95-48-7	2-Methylphenol	1000	U	ug/kg dry	1000	4/11/13 11:11	5/14/13 17:45	EPA 8270D
88-74-4	2-Nitroaniline	1000	U	ug/kg dry	1000	4/11/13 11:11	5/14/13 17:45	EPA 8270D
88-75-5	2-Nitrophenol	1000	U	ug/kg dry	1000	4/11/13 11:11	5/14/13 17:45	EPA 8270D
91-94-1	3,3'-Dichlorobenzidine	1000	U	ug/kg dry	1000	4/11/13 11:11	5/14/13 17:45	EPA 8270D
99-09-2	3-Nitroaniline	1000	U	ug/kg dry	1000	4/11/13 11:11	5/14/13 17:45	EPA 8270D
101-55-3	4-Bromophenyl phenyl ether	1000	U	ug/kg dry	1000	4/11/13 11:11	5/14/13 17:45	EPA 8270D
59-50-7	4-Chloro-3-methylphenol	1000	U	ug/kg dry	1000	4/11/13 11:11	5/14/13 17:45	EPA 8270D
106-47-8	4-Chloroaniline	1000	U	ug/kg dry	1000	4/11/13 11:11	5/14/13 17:45	EPA 8270D
7005-72-3	4-Chlorophenyl phenyl ether	1000	U	ug/kg dry	1000	4/11/13 11:11	5/14/13 17:45	EPA 8270D
100-01-6	4-Nitroaniline	1000	U	ug/kg dry	1000	4/11/13 11:11	5/14/13 17:45	EPA 8270D
100-02-7	4-Nitrophenol	1000	U	ug/kg dry	1000	4/11/13 11:11	5/14/13 17:45	EPA 8270D
83-32-9	Acenaphthene	100	U	ug/kg dry	100	4/11/13 11:11	5/14/13 17:45	EPA 8270D
208-96-8	Acenaphthylene	100	U	ug/kg dry	100	4/11/13 11:11	5/14/13 17:45	EPA 8270D

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Diana Burdette

Semi Volatile Organics

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-003-SD
Station ID: GML003
Lab ID: E131406-06
Matrix: Sediment

Date Collected: 4/3/13 11:25

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
98-86-2	Acetophenone	1000	U	ug/kg dry	1000	4/11/13 11:11	5/14/13 17:45	EPA 8270D
120-12-7	Anthracene	100	U	ug/kg dry	100	4/11/13 11:11	5/14/13 17:45	EPA 8270D
1912-24-9	Atrazine	1000	U	ug/kg dry	1000	4/11/13 11:11	5/14/13 17:45	EPA 8270D
100-52-7	Benzaldehyde	190	J, Q-2, QL-2	ug/kg dry	1000	4/11/13 11:11	5/14/13 17:45	EPA 8270D
56-55-3	Benzo(a)anthracene	100	U	ug/kg dry	100	4/11/13 11:11	5/14/13 17:45	EPA 8270D
50-32-8	Benzo(a)pyrene	100	U	ug/kg dry	100	4/11/13 11:11	5/14/13 17:45	EPA 8270D
205-99-2	Benzo(b)fluoranthene	100	U	ug/kg dry	100	4/11/13 11:11	5/14/13 17:45	EPA 8270D
191-24-2	Benzo(g,h,i)perylene	100	U	ug/kg dry	100	4/11/13 11:11	5/14/13 17:45	EPA 8270D
207-08-9	Benzo(k)fluoranthene	100	U	ug/kg dry	100	4/11/13 11:11	5/14/13 17:45	EPA 8270D
85-68-7	Benzyl butyl phthalate	1000	U	ug/kg dry	1000	4/11/13 11:11	5/14/13 17:45	EPA 8270D
111-91-1	Bis(2-chloroethoxy)methane	1000	U	ug/kg dry	1000	4/11/13 11:11	5/14/13 17:45	EPA 8270D
111-44-4	bis(2-Chloroethyl) Ether	1000	U	ug/kg dry	1000	4/11/13 11:11	5/14/13 17:45	EPA 8270D
39638-32-9	Bis(2-chloroisopropyl) ether	1000	U	ug/kg dry	1000	4/11/13 11:11	5/14/13 17:45	EPA 8270D
117-81-7	Bis(2-ethylhexyl) phthalate	1000	U	ug/kg dry	1000	4/11/13 11:11	5/14/13 17:45	EPA 8270D
105-60-2	Caprolactam	1000	U	ug/kg dry	1000	4/11/13 11:11	5/14/13 17:45	EPA 8270D
86-74-8	Carbazole	100	U	ug/kg dry	100	4/11/13 11:11	5/14/13 17:45	EPA 8270D
218-01-9	Chrysene	100	U	ug/kg dry	100	4/11/13 11:11	5/14/13 17:45	EPA 8270D
53-70-3	Dibenz(a,h)anthracene	100	U	ug/kg dry	100	4/11/13 11:11	5/14/13 17:45	EPA 8270D
132-64-9	Dibenzofuran	100	U	ug/kg dry	100	4/11/13 11:11	5/14/13 17:45	EPA 8270D
84-66-2	Diethyl phthalate	1000	U	ug/kg dry	1000	4/11/13 11:11	5/14/13 17:45	EPA 8270D
131-11-3	Dimethyl phthalate	1000	U	ug/kg dry	1000	4/11/13 11:11	5/14/13 17:45	EPA 8270D
84-74-2	Di-n-butylphthalate	1000	U	ug/kg dry	1000	4/11/13 11:11	5/14/13 17:45	EPA 8270D
117-84-0	Di-n-octylphthalate	1000	U	ug/kg dry	1000	4/11/13 11:11	5/14/13 17:45	EPA 8270D
206-44-0	Fluoranthene	100	U	ug/kg dry	100	4/11/13 11:11	5/14/13 17:45	EPA 8270D
86-73-7	Fluorene	100	U	ug/kg dry	100	4/11/13 11:11	5/14/13 17:45	EPA 8270D
118-74-1	Hexachlorobenzene (HCB)	100	U	ug/kg dry	100	4/11/13 11:11	5/14/13 17:45	EPA 8270D
77-47-4	Hexachlorocyclopentadiene (HCCP)	1000	U	ug/kg dry	1000	4/11/13 11:11	5/14/13 17:45	EPA 8270D
67-72-1	Hexachloroethane	1000	U	ug/kg dry	1000	4/11/13 11:11	5/14/13 17:45	EPA 8270D
193-39-5	Indeno (1,2,3-cd) pyrene	100	U	ug/kg dry	100	4/11/13 11:11	5/14/13 17:45	EPA 8270D

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Diana Burdette

Semi Volatile Organics

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-003-SD
Station ID: GML003
Lab ID: E131406-06
Matrix: Sediment

Date Collected: 4/3/13 11:25

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
78-59-1	Isophorone	1000	U	ug/kg dry	1000	4/11/13 11:11	5/14/13 17:45	EPA 8270D
91-20-3	Naphthalene	100	U	ug/kg dry	100	4/11/13 11:11	5/14/13 17:45	EPA 8270D
98-95-3	Nitrobenzene	1000	U	ug/kg dry	1000	4/11/13 11:11	5/14/13 17:45	EPA 8270D
621-64-7	n-Nitroso di-n-Propylamine	1000	U	ug/kg dry	1000	4/11/13 11:11	5/14/13 17:45	EPA 8270D
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	1000	U	ug/kg dry	1000	4/11/13 11:11	5/14/13 17:45	EPA 8270D
87-86-5	Pentachlorophenol	1000	U	ug/kg dry	1000	4/11/13 11:11	5/14/13 17:45	EPA 8270D
85-01-8	Phenanthrene	100	U	ug/kg dry	100	4/11/13 11:11	5/14/13 17:45	EPA 8270D
108-95-2	Phenol	1000	U	ug/kg dry	1000	4/11/13 11:11	5/14/13 17:45	EPA 8270D
129-00-0	Pyrene	100	U	ug/kg dry	100	4/11/13 11:11	5/14/13 17:45	EPA 8270D
Tentatively Identified Compounds:								
R4-6500	Petroleum Product:		N			11:11 11:11	5/14/13 17:45	EPA 8270D
R4-8001173	Trifluoroacetic acid, octadecyl ester (TIC)	5000	NJ	ug/kg dry		4/11/13 11:11	5/14/13 17:45	EPA 8270D
R4-6501	Unidentified Compounds	7000	J	ug/kg dry		4/11/13 11:11	5/14/13 17:45	EPA 8270D

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Diana Burdette

Semi Volatile Organics

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-003-SW
Station ID: GML003

Lab ID: E131406-07
Matrix: Surface Water

Date Collected: 4/3/13 11:20

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1319-77-3	(3-and/or 4-)Methylphenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 19:00	EPA 8270D
92-52-4	1,1-Biphenyl	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 19:00	EPA 8270D
90-12-0	1-Methylnaphthalene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 19:00	EPA 8270D
58-90-2	2,3,4,6-Tetrachlorophenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 19:00	EPA 8270D
95-95-4	2,4,5-Trichlorophenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 19:00	EPA 8270D
88-06-2	2,4,6-Trichlorophenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 19:00	EPA 8270D
120-83-2	2,4-Dichlorophenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 19:00	EPA 8270D
105-67-9	2,4-Dimethylphenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 19:00	EPA 8270D
51-28-5	2,4-Dinitrophenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 19:00	EPA 8270D
121-14-2	2,4-Dinitrotoluene	10	U	ug/L	10	4/08/13 9:28	4/23/13 19:00	EPA 8270D
606-20-2	2,6-Dinitrotoluene	10	U	ug/L	10	4/08/13 9:28	4/23/13 19:00	EPA 8270D
91-58-7	2-Chloronaphthalene	10	U	ug/L	10	4/08/13 9:28	4/23/13 19:00	EPA 8270D
95-57-8	2-Chlorophenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 19:00	EPA 8270D
534-52-1	2-Methyl-4,6-dinitrophenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 19:00	EPA 8270D
91-57-6	2-Methylnaphthalene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 19:00	EPA 8270D
95-48-7	2-Methylphenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 19:00	EPA 8270D
88-74-4	2-Nitroaniline	10	U	ug/L	10	4/08/13 9:28	4/23/13 19:00	EPA 8270D
88-75-5	2-Nitrophenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 19:00	EPA 8270D
91-94-1	3,3'-Dichlorobenzidine	10	U	ug/L	10	4/08/13 9:28	4/23/13 19:00	EPA 8270D
99-09-2	3-Nitroaniline	10	U	ug/L	10	4/08/13 9:28	4/23/13 19:00	EPA 8270D
101-55-3	4-Bromophenyl phenyl ether	10	U	ug/L	10	4/08/13 9:28	4/23/13 19:00	EPA 8270D
59-50-7	4-Chloro-3-methylphenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 19:00	EPA 8270D
106-47-8	4-Chloroaniline	10	U	ug/L	10	4/08/13 9:28	4/23/13 19:00	EPA 8270D
7005-72-3	4-Chlorophenyl phenyl ether	10	U	ug/L	10	4/08/13 9:28	4/23/13 19:00	EPA 8270D
100-01-6	4-Nitroaniline	10	U	ug/L	10	4/08/13 9:28	4/23/13 19:00	EPA 8270D
100-02-7	4-Nitrophenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 19:00	EPA 8270D
83-32-9	Acenaphthene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 19:00	EPA 8270D
208-96-8	Acenaphthylene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 19:00	EPA 8270D

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
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980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Diana Burdette

Semi Volatile Organics

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-003-SW
Station ID: GML003

Lab ID: E131406-07
Matrix: Surface Water

Date Collected: 4/3/13 11:20

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
98-86-2	Acetophenone	10	U	ug/L	10	4/08/13 9:28	4/23/13 19:00	EPA 8270D
120-12-7	Anthracene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 19:00	EPA 8270D
1912-24-9	Atrazine	10	U	ug/L	10	4/08/13 9:28	4/23/13 19:00	EPA 8270D
100-52-7	Benzaldehyde	10	U	ug/L	10	4/08/13 9:28	4/23/13 19:00	EPA 8270D
56-55-3	Benzo(a)anthracene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 19:00	EPA 8270D
50-32-8	Benzo(a)pyrene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 19:00	EPA 8270D
205-99-2	Benzo(b)fluoranthene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 19:00	EPA 8270D
191-24-2	Benzo(g,h,i)perylene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 19:00	EPA 8270D
207-08-9	Benzo(k)fluoranthene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 19:00	EPA 8270D
85-68-7	Benzyl butyl phthalate	10	U	ug/L	10	4/08/13 9:28	4/23/13 19:00	EPA 8270D
111-91-1	Bis(2-chloroethoxy)methane	10	U	ug/L	10	4/08/13 9:28	4/23/13 19:00	EPA 8270D
111-44-4	bis(2-Chloroethyl) Ether	10	U	ug/L	10	4/08/13 9:28	4/23/13 19:00	EPA 8270D
39638-32-9	Bis(2-chloroisopropyl) ether	10	U	ug/L	10	4/08/13 9:28	4/23/13 19:00	EPA 8270D
117-81-7	Bis(2-ethylhexyl) phthalate	10	U	ug/L	10	4/08/13 9:28	4/23/13 19:00	EPA 8270D
105-60-2	Caprolactam	10	U	ug/L	10	4/08/13 9:28	4/23/13 19:00	EPA 8270D
86-74-8	Carbazole	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 19:00	EPA 8270D
218-01-9	Chrysene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 19:00	EPA 8270D
53-70-3	Dibenz(a,h)anthracene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 19:00	EPA 8270D
132-64-9	Dibenzofuran	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 19:00	EPA 8270D
84-66-2	Diethyl phthalate	10	U	ug/L	10	4/08/13 9:28	4/23/13 19:00	EPA 8270D
131-11-3	Dimethyl phthalate	10	U	ug/L	10	4/08/13 9:28	4/23/13 19:00	EPA 8270D
84-74-2	Di-n-butylphthalate	10	U	ug/L	10	4/08/13 9:28	4/23/13 19:00	EPA 8270D
117-84-0	Di-n-octylphthalate	10	U	ug/L	10	4/08/13 9:28	4/23/13 19:00	EPA 8270D
206-44-0	Fluoranthene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 19:00	EPA 8270D
86-73-7	Fluorene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 19:00	EPA 8270D
118-74-1	Hexachlorobenzene (HCB)	10	U	ug/L	10	4/08/13 9:28	4/23/13 19:00	EPA 8270D
77-47-4	Hexachlorocyclopentadiene (HCCP)	10	U	ug/L	10	4/08/13 9:28	4/23/13 19:00	EPA 8270D
67-72-1	Hexachloroethane	10	U	ug/L	10	4/08/13 9:28	4/23/13 19:00	EPA 8270D
193-39-5	Indeno (1,2,3-cd) pyrene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 19:00	EPA 8270D

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Diana Burdette

Semi Volatile Organics

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-003-SW
Station ID: GML003
Lab ID: E131406-07
Matrix: Surface Water

Date Collected: 4/3/13 11:20

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
78-59-1	Isophorone	10	U	ug/L	10	4/08/13 9:28	4/23/13 19:00	EPA 8270D
91-20-3	Naphthalene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 19:00	EPA 8270D
98-95-3	Nitrobenzene	10	U	ug/L	10	4/08/13 9:28	4/23/13 19:00	EPA 8270D
621-64-7	n-Nitroso di-n-Propylamine	10	U	ug/L	10	4/08/13 9:28	4/23/13 19:00	EPA 8270D
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	10	U	ug/L	10	4/08/13 9:28	4/23/13 19:00	EPA 8270D
87-86-5	Pentachlorophenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 19:00	EPA 8270D
85-01-8	Phenanthrene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 19:00	EPA 8270D
108-95-2	Phenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 19:00	EPA 8270D
129-00-0	Pyrene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 19:00	EPA 8270D
Tentatively Identified Compounds:								
R4-0000	Tentatively Identified Compounds	10	U	ug/L	10	4/08/13 9:28	4/23/13 19:00	EPA 8270D

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Diana Burdette

Semi Volatile Organics

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-004-SD
Station ID: GML004
Lab ID: E131406-08
Matrix: Sediment

Date Collected: 4/3/13 11:45

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1319-77-3	(3-and/or 4-)Methylphenol	820	U	ug/kg dry	820	4/11/13 11:11	5/14/13 13:18	EPA 8270D
92-52-4	1,1-Biphenyl	82	U	ug/kg dry	82	4/11/13 11:11	5/14/13 13:18	EPA 8270D
90-12-0	1-Methylnaphthalene	82	U	ug/kg dry	82	4/11/13 11:11	5/14/13 13:18	EPA 8270D
58-90-2	2,3,4,6-Tetrachlorophenol	820	U	ug/kg dry	820	4/11/13 11:11	5/14/13 13:18	EPA 8270D
95-95-4	2,4,5-Trichlorophenol	820	U	ug/kg dry	820	4/11/13 11:11	5/14/13 13:18	EPA 8270D
88-06-2	2,4,6-Trichlorophenol	820	U	ug/kg dry	820	4/11/13 11:11	5/14/13 13:18	EPA 8270D
120-83-2	2,4-Dichlorophenol	820	U	ug/kg dry	820	4/11/13 11:11	5/14/13 13:18	EPA 8270D
105-67-9	2,4-Dimethylphenol	820	U	ug/kg dry	820	4/11/13 11:11	5/14/13 13:18	EPA 8270D
51-28-5	2,4-Dinitrophenol	820	U	ug/kg dry	820	4/11/13 11:11	5/14/13 13:18	EPA 8270D
121-14-2	2,4-Dinitrotoluene	820	U	ug/kg dry	820	4/11/13 11:11	5/14/13 13:18	EPA 8270D
606-20-2	2,6-Dinitrotoluene	820	U	ug/kg dry	820	4/11/13 11:11	5/14/13 13:18	EPA 8270D
91-58-7	2-Chloronaphthalene	820	U	ug/kg dry	820	4/11/13 11:11	5/14/13 13:18	EPA 8270D
95-57-8	2-Chlorophenol	820	U	ug/kg dry	820	4/11/13 11:11	5/14/13 13:18	EPA 8270D
534-52-1	2-Methyl-4,6-dinitrophenol	820	U	ug/kg dry	820	4/11/13 11:11	5/14/13 13:18	EPA 8270D
91-57-6	2-Methylnaphthalene	82	U	ug/kg dry	82	4/11/13 11:11	5/14/13 13:18	EPA 8270D
95-48-7	2-Methylphenol	820	U	ug/kg dry	820	4/11/13 11:11	5/14/13 13:18	EPA 8270D
88-74-4	2-Nitroaniline	820	U	ug/kg dry	820	4/11/13 11:11	5/14/13 13:18	EPA 8270D
88-75-5	2-Nitrophenol	820	U	ug/kg dry	820	4/11/13 11:11	5/14/13 13:18	EPA 8270D
91-94-1	3,3'-Dichlorobenzidine	820	U	ug/kg dry	820	4/11/13 11:11	5/14/13 13:18	EPA 8270D
99-09-2	3-Nitroaniline	820	U	ug/kg dry	820	4/11/13 11:11	5/14/13 13:18	EPA 8270D
101-55-3	4-Bromophenyl phenyl ether	820	U	ug/kg dry	820	4/11/13 11:11	5/14/13 13:18	EPA 8270D
59-50-7	4-Chloro-3-methylphenol	820	U	ug/kg dry	820	4/11/13 11:11	5/14/13 13:18	EPA 8270D
106-47-8	4-Chloroaniline	820	U	ug/kg dry	820	4/11/13 11:11	5/14/13 13:18	EPA 8270D
7005-72-3	4-Chlorophenyl phenyl ether	820	U	ug/kg dry	820	4/11/13 11:11	5/14/13 13:18	EPA 8270D
100-01-6	4-Nitroaniline	820	U	ug/kg dry	820	4/11/13 11:11	5/14/13 13:18	EPA 8270D
100-02-7	4-Nitrophenol	820	U	ug/kg dry	820	4/11/13 11:11	5/14/13 13:18	EPA 8270D
83-32-9	Acenaphthene	82	U	ug/kg dry	82	4/11/13 11:11	5/14/13 13:18	EPA 8270D
208-96-8	Acenaphthylene	82	U	ug/kg dry	82	4/11/13 11:11	5/14/13 13:18	EPA 8270D

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Diana Burdette

Semi Volatile Organics

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-004-SD
Station ID: GML004
Lab ID: E131406-08
Matrix: Sediment

Date Collected: 4/3/13 11:45

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
98-86-2	Acetophenone	820	U	ug/kg dry	820	4/11/13 11:11	5/14/13 13:18	EPA 8270D
120-12-7	Anthracene	82	U	ug/kg dry	82	4/11/13 11:11	5/14/13 13:18	EPA 8270D
1912-24-9	Atrazine	820	U	ug/kg dry	820	4/11/13 11:11	5/14/13 13:18	EPA 8270D
100-52-7	Benzaldehyde	290	J, Q-2, QL-2	ug/kg dry	820	4/11/13 11:11	5/14/13 13:18	EPA 8270D
56-55-3	Benzo(a)anthracene	82	U	ug/kg dry	82	4/11/13 11:11	5/14/13 13:18	EPA 8270D
50-32-8	Benzo(a)pyrene	82	U	ug/kg dry	82	4/11/13 11:11	5/14/13 13:18	EPA 8270D
205-99-2	Benzo(b)fluoranthene	82	U	ug/kg dry	82	4/11/13 11:11	5/14/13 13:18	EPA 8270D
191-24-2	Benzo(g,h,i)perylene	82	U	ug/kg dry	82	4/11/13 11:11	5/14/13 13:18	EPA 8270D
207-08-9	Benzo(k)fluoranthene	82	U	ug/kg dry	82	4/11/13 11:11	5/14/13 13:18	EPA 8270D
85-68-7	Benzyl butyl phthalate	820	U	ug/kg dry	820	4/11/13 11:11	5/14/13 13:18	EPA 8270D
111-91-1	Bis(2-chloroethoxy)methane	820	U	ug/kg dry	820	4/11/13 11:11	5/14/13 13:18	EPA 8270D
111-44-4	bis(2-Chloroethyl) Ether	820	U	ug/kg dry	820	4/11/13 11:11	5/14/13 13:18	EPA 8270D
39638-32-9	Bis(2-chloroisopropyl) ether	820	U	ug/kg dry	820	4/11/13 11:11	5/14/13 13:18	EPA 8270D
117-81-7	Bis(2-ethylhexyl) phthalate	820	U	ug/kg dry	820	4/11/13 11:11	5/14/13 13:18	EPA 8270D
105-60-2	Caprolactam	820	U	ug/kg dry	820	4/11/13 11:11	5/14/13 13:18	EPA 8270D
86-74-8	Carbazole	82	U	ug/kg dry	82	4/11/13 11:11	5/14/13 13:18	EPA 8270D
218-01-9	Chrysene	82	U	ug/kg dry	82	4/11/13 11:11	5/14/13 13:18	EPA 8270D
53-70-3	Dibenz(a,h)anthracene	82	U	ug/kg dry	82	4/11/13 11:11	5/14/13 13:18	EPA 8270D
132-64-9	Dibenzofuran	82	U	ug/kg dry	82	4/11/13 11:11	5/14/13 13:18	EPA 8270D
84-66-2	Diethyl phthalate	820	U	ug/kg dry	820	4/11/13 11:11	5/14/13 13:18	EPA 8270D
131-11-3	Dimethyl phthalate	820	U	ug/kg dry	820	4/11/13 11:11	5/14/13 13:18	EPA 8270D
84-74-2	Di-n-butylphthalate	820	U	ug/kg dry	820	4/11/13 11:11	5/14/13 13:18	EPA 8270D
117-84-0	Di-n-octylphthalate	820	U	ug/kg dry	820	4/11/13 11:11	5/14/13 13:18	EPA 8270D
206-44-0	Fluoranthene	82	U	ug/kg dry	82	4/11/13 11:11	5/14/13 13:18	EPA 8270D
86-73-7	Fluorene	82	U	ug/kg dry	82	4/11/13 11:11	5/14/13 13:18	EPA 8270D
118-74-1	Hexachlorobenzene (HCB)	82	U	ug/kg dry	82	4/11/13 11:11	5/14/13 13:18	EPA 8270D
77-47-4	Hexachlorocyclopentadiene (HCCP)	820	U	ug/kg dry	820	4/11/13 11:11	5/14/13 13:18	EPA 8270D
67-72-1	Hexachloroethane	820	U	ug/kg dry	820	4/11/13 11:11	5/14/13 13:18	EPA 8270D
193-39-5	Indeno (1,2,3-cd) pyrene	82	U	ug/kg dry	82	4/11/13 11:11	5/14/13 13:18	EPA 8270D

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Diana Burdette

Semi Volatile Organics

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-004-SD
Station ID: GML004
Lab ID: E131406-08
Matrix: Sediment

Date Collected: 4/3/13 11:45

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
78-59-1	Isophorone	820	U	ug/kg dry	820	4/11/13 11:11	5/14/13 13:18	EPA 8270D
91-20-3	Naphthalene	82	U	ug/kg dry	82	4/11/13 11:11	5/14/13 13:18	EPA 8270D
98-95-3	Nitrobenzene	820	U	ug/kg dry	820	4/11/13 11:11	5/14/13 13:18	EPA 8270D
621-64-7	n-Nitroso di-n-Propylamine	820	U	ug/kg dry	820	4/11/13 11:11	5/14/13 13:18	EPA 8270D
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	820	U	ug/kg dry	820	4/11/13 11:11	5/14/13 13:18	EPA 8270D
87-86-5	Pentachlorophenol	820	U	ug/kg dry	820	4/11/13 11:11	5/14/13 13:18	EPA 8270D
85-01-8	Phenanthrene	82	U	ug/kg dry	82	4/11/13 11:11	5/14/13 13:18	EPA 8270D
108-95-2	Phenol	820	U	ug/kg dry	820	4/11/13 11:11	5/14/13 13:18	EPA 8270D
129-00-0	Pyrene	82	U	ug/kg dry	82	4/11/13 11:11	5/14/13 13:18	EPA 8270D
Tentatively Identified Compounds:								
R4-6505	Cinnamylcinnamate (TIC)	3000	NJ	ug/kg dry		4/11/13 11:11	5/14/13 13:18	EPA 8270D
R4-6500	Petroleum Product:		N			11:11 11:11	5/14/13 13:18	EPA 8270D
R4-8001074	Taraxerol (TIC)	3000	NJ	ug/kg dry		4/11/13 11:11	5/14/13 13:18	EPA 8270D

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
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980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Diana Burdette

Semi Volatile Organics

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-004-SW
Station ID: GML004
Lab ID: E131406-09
Matrix: Surface Water

Date Collected: 4/3/13 11:40

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1319-77-3	(3-and/or 4-)Methylphenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 19:31	EPA 8270D
92-52-4	1,1-Biphenyl	2.1	U	ug/L	2.1	4/08/13 9:28	4/23/13 19:31	EPA 8270D
90-12-0	1-Methylnaphthalene	2.1	U	ug/L	2.1	4/08/13 9:28	4/23/13 19:31	EPA 8270D
58-90-2	2,3,4,6-Tetrachlorophenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 19:31	EPA 8270D
95-95-4	2,4,5-Trichlorophenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 19:31	EPA 8270D
88-06-2	2,4,6-Trichlorophenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 19:31	EPA 8270D
120-83-2	2,4-Dichlorophenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 19:31	EPA 8270D
105-67-9	2,4-Dimethylphenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 19:31	EPA 8270D
51-28-5	2,4-Dinitrophenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 19:31	EPA 8270D
121-14-2	2,4-Dinitrotoluene	10	U	ug/L	10	4/08/13 9:28	4/23/13 19:31	EPA 8270D
606-20-2	2,6-Dinitrotoluene	10	U	ug/L	10	4/08/13 9:28	4/23/13 19:31	EPA 8270D
91-58-7	2-Chloronaphthalene	10	U	ug/L	10	4/08/13 9:28	4/23/13 19:31	EPA 8270D
95-57-8	2-Chlorophenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 19:31	EPA 8270D
534-52-1	2-Methyl-4,6-dinitrophenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 19:31	EPA 8270D
91-57-6	2-Methylnaphthalene	2.1	U	ug/L	2.1	4/08/13 9:28	4/23/13 19:31	EPA 8270D
95-48-7	2-Methylphenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 19:31	EPA 8270D
88-74-4	2-Nitroaniline	10	U	ug/L	10	4/08/13 9:28	4/23/13 19:31	EPA 8270D
88-75-5	2-Nitrophenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 19:31	EPA 8270D
91-94-1	3,3'-Dichlorobenzidine	10	U	ug/L	10	4/08/13 9:28	4/23/13 19:31	EPA 8270D
99-09-2	3-Nitroaniline	10	U	ug/L	10	4/08/13 9:28	4/23/13 19:31	EPA 8270D
101-55-3	4-Bromophenyl phenyl ether	10	U	ug/L	10	4/08/13 9:28	4/23/13 19:31	EPA 8270D
59-50-7	4-Chloro-3-methylphenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 19:31	EPA 8270D
106-47-8	4-Chloroaniline	10	U	ug/L	10	4/08/13 9:28	4/23/13 19:31	EPA 8270D
7005-72-3	4-Chlorophenyl phenyl ether	10	U	ug/L	10	4/08/13 9:28	4/23/13 19:31	EPA 8270D
100-01-6	4-Nitroaniline	10	U	ug/L	10	4/08/13 9:28	4/23/13 19:31	EPA 8270D
100-02-7	4-Nitrophenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 19:31	EPA 8270D
83-32-9	Acenaphthene	2.1	U	ug/L	2.1	4/08/13 9:28	4/23/13 19:31	EPA 8270D
208-96-8	Acenaphthylene	2.1	U	ug/L	2.1	4/08/13 9:28	4/23/13 19:31	EPA 8270D

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Diana Burdette

Semi Volatile Organics

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-004-SW
Station ID: GML004
Lab ID: E131406-09
Matrix: Surface Water

Date Collected: 4/3/13 11:40

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
98-86-2	Acetophenone	10	U	ug/L	10	4/08/13 9:28	4/23/13 19:31	EPA 8270D
120-12-7	Anthracene	2.1	U	ug/L	2.1	4/08/13 9:28	4/23/13 19:31	EPA 8270D
1912-24-9	Atrazine	10	U	ug/L	10	4/08/13 9:28	4/23/13 19:31	EPA 8270D
100-52-7	Benzaldehyde	10	U	ug/L	10	4/08/13 9:28	4/23/13 19:31	EPA 8270D
56-55-3	Benzo(a)anthracene	2.1	U	ug/L	2.1	4/08/13 9:28	4/23/13 19:31	EPA 8270D
50-32-8	Benzo(a)pyrene	2.1	U	ug/L	2.1	4/08/13 9:28	4/23/13 19:31	EPA 8270D
205-99-2	Benzo(b)fluoranthene	2.1	U	ug/L	2.1	4/08/13 9:28	4/23/13 19:31	EPA 8270D
191-24-2	Benzo(g,h,i)perylene	2.1	U	ug/L	2.1	4/08/13 9:28	4/23/13 19:31	EPA 8270D
207-08-9	Benzo(k)fluoranthene	2.1	U	ug/L	2.1	4/08/13 9:28	4/23/13 19:31	EPA 8270D
85-68-7	Benzyl butyl phthalate	10	U	ug/L	10	4/08/13 9:28	4/23/13 19:31	EPA 8270D
111-91-1	Bis(2-chloroethoxy)methane	10	U	ug/L	10	4/08/13 9:28	4/23/13 19:31	EPA 8270D
111-44-4	bis(2-Chloroethyl) Ether	10	U	ug/L	10	4/08/13 9:28	4/23/13 19:31	EPA 8270D
39638-32-9	Bis(2-chloroisopropyl) ether	10	U	ug/L	10	4/08/13 9:28	4/23/13 19:31	EPA 8270D
117-81-7	Bis(2-ethylhexyl) phthalate	10	U	ug/L	10	4/08/13 9:28	4/23/13 19:31	EPA 8270D
105-60-2	Caprolactam	10	U	ug/L	10	4/08/13 9:28	4/23/13 19:31	EPA 8270D
86-74-8	Carbazole	2.1	U	ug/L	2.1	4/08/13 9:28	4/23/13 19:31	EPA 8270D
218-01-9	Chrysene	2.1	U	ug/L	2.1	4/08/13 9:28	4/23/13 19:31	EPA 8270D
53-70-3	Dibenz(a,h)anthracene	2.1	U	ug/L	2.1	4/08/13 9:28	4/23/13 19:31	EPA 8270D
132-64-9	Dibenzofuran	2.1	U	ug/L	2.1	4/08/13 9:28	4/23/13 19:31	EPA 8270D
84-66-2	Diethyl phthalate	10	U	ug/L	10	4/08/13 9:28	4/23/13 19:31	EPA 8270D
131-11-3	Dimethyl phthalate	10	U	ug/L	10	4/08/13 9:28	4/23/13 19:31	EPA 8270D
84-74-2	Di-n-butylphthalate	10	U	ug/L	10	4/08/13 9:28	4/23/13 19:31	EPA 8270D
117-84-0	Di-n-octylphthalate	10	U	ug/L	10	4/08/13 9:28	4/23/13 19:31	EPA 8270D
206-44-0	Fluoranthene	2.1	U	ug/L	2.1	4/08/13 9:28	4/23/13 19:31	EPA 8270D
86-73-7	Fluorene	2.1	U	ug/L	2.1	4/08/13 9:28	4/23/13 19:31	EPA 8270D
118-74-1	Hexachlorobenzene (HCB)	10	U	ug/L	10	4/08/13 9:28	4/23/13 19:31	EPA 8270D
77-47-4	Hexachlorocyclopentadiene (HCCP)	10	U	ug/L	10	4/08/13 9:28	4/23/13 19:31	EPA 8270D
67-72-1	Hexachloroethane	10	U	ug/L	10	4/08/13 9:28	4/23/13 19:31	EPA 8270D
193-39-5	Indeno (1,2,3-cd) pyrene	2.1	U	ug/L	2.1	4/08/13 9:28	4/23/13 19:31	EPA 8270D

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Diana Burdette

Semi Volatile Organics

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-004-SW
Station ID: GML004
Lab ID: E131406-09
Matrix: Surface Water

Date Collected: 4/3/13 11:40

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
78-59-1	Isophorone	10	U	ug/L	10	4/08/13 9:28	4/23/13 19:31	EPA 8270D
91-20-3	Naphthalene	2.1	U	ug/L	2.1	4/08/13 9:28	4/23/13 19:31	EPA 8270D
98-95-3	Nitrobenzene	10	U	ug/L	10	4/08/13 9:28	4/23/13 19:31	EPA 8270D
621-64-7	n-Nitroso di-n-Propylamine	10	U	ug/L	10	4/08/13 9:28	4/23/13 19:31	EPA 8270D
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	10	U	ug/L	10	4/08/13 9:28	4/23/13 19:31	EPA 8270D
87-86-5	Pentachlorophenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 19:31	EPA 8270D
85-01-8	Phenanthrene	2.1	U	ug/L	2.1	4/08/13 9:28	4/23/13 19:31	EPA 8270D
108-95-2	Phenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 19:31	EPA 8270D
129-00-0	Pyrene	2.1	U	ug/L	2.1	4/08/13 9:28	4/23/13 19:31	EPA 8270D
Tentatively Identified Compounds:								
R4-0000	Tentatively Identified Compounds	10	U	ug/L	10	4/08/13 9:28	4/23/13 19:31	EPA 8270D

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Diana Burdette

Semi Volatile Organics

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-005-SD
Station ID: GML005
Lab ID: E131406-10
Matrix: Sediment

Date Collected: 4/3/13 13:31

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1319-77-3	(3-and/or 4-)Methylphenol	510	U	ug/kg dry	510	4/11/13 11:11	5/14/13 13:51	EPA 8270D
92-52-4	1,1-Biphenyl	51	U	ug/kg dry	51	4/11/13 11:11	5/14/13 13:51	EPA 8270D
90-12-0	1-Methylnaphthalene	51	U	ug/kg dry	51	4/11/13 11:11	5/14/13 13:51	EPA 8270D
58-90-2	2,3,4,6-Tetrachlorophenol	510	U	ug/kg dry	510	4/11/13 11:11	5/14/13 13:51	EPA 8270D
95-95-4	2,4,5-Trichlorophenol	510	U	ug/kg dry	510	4/11/13 11:11	5/14/13 13:51	EPA 8270D
88-06-2	2,4,6-Trichlorophenol	510	U	ug/kg dry	510	4/11/13 11:11	5/14/13 13:51	EPA 8270D
120-83-2	2,4-Dichlorophenol	510	U	ug/kg dry	510	4/11/13 11:11	5/14/13 13:51	EPA 8270D
105-67-9	2,4-Dimethylphenol	510	U	ug/kg dry	510	4/11/13 11:11	5/14/13 13:51	EPA 8270D
51-28-5	2,4-Dinitrophenol	510	U	ug/kg dry	510	4/11/13 11:11	5/14/13 13:51	EPA 8270D
121-14-2	2,4-Dinitrotoluene	510	U	ug/kg dry	510	4/11/13 11:11	5/14/13 13:51	EPA 8270D
606-20-2	2,6-Dinitrotoluene	510	U	ug/kg dry	510	4/11/13 11:11	5/14/13 13:51	EPA 8270D
91-58-7	2-Chloronaphthalene	510	U	ug/kg dry	510	4/11/13 11:11	5/14/13 13:51	EPA 8270D
95-57-8	2-Chlorophenol	510	U	ug/kg dry	510	4/11/13 11:11	5/14/13 13:51	EPA 8270D
534-52-1	2-Methyl-4,6-dinitrophenol	510	U	ug/kg dry	510	4/11/13 11:11	5/14/13 13:51	EPA 8270D
91-57-6	2-Methylnaphthalene	51	U	ug/kg dry	51	4/11/13 11:11	5/14/13 13:51	EPA 8270D
95-48-7	2-Methylphenol	510	U	ug/kg dry	510	4/11/13 11:11	5/14/13 13:51	EPA 8270D
88-74-4	2-Nitroaniline	510	U	ug/kg dry	510	4/11/13 11:11	5/14/13 13:51	EPA 8270D
88-75-5	2-Nitrophenol	510	U	ug/kg dry	510	4/11/13 11:11	5/14/13 13:51	EPA 8270D
91-94-1	3,3'-Dichlorobenzidine	510	U	ug/kg dry	510	4/11/13 11:11	5/14/13 13:51	EPA 8270D
99-09-2	3-Nitroaniline	510	U	ug/kg dry	510	4/11/13 11:11	5/14/13 13:51	EPA 8270D
101-55-3	4-Bromophenyl phenyl ether	510	U	ug/kg dry	510	4/11/13 11:11	5/14/13 13:51	EPA 8270D
59-50-7	4-Chloro-3-methylphenol	510	U	ug/kg dry	510	4/11/13 11:11	5/14/13 13:51	EPA 8270D
106-47-8	4-Chloroaniline	510	U	ug/kg dry	510	4/11/13 11:11	5/14/13 13:51	EPA 8270D
7005-72-3	4-Chlorophenyl phenyl ether	510	U	ug/kg dry	510	4/11/13 11:11	5/14/13 13:51	EPA 8270D
100-01-6	4-Nitroaniline	510	U	ug/kg dry	510	4/11/13 11:11	5/14/13 13:51	EPA 8270D
100-02-7	4-Nitrophenol	510	U	ug/kg dry	510	4/11/13 11:11	5/14/13 13:51	EPA 8270D
83-32-9	Acenaphthene	51	U	ug/kg dry	51	4/11/13 11:11	5/14/13 13:51	EPA 8270D
208-96-8	Acenaphthylene	51	U	ug/kg dry	51	4/11/13 11:11	5/14/13 13:51	EPA 8270D

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Diana Burdette

Semi Volatile Organics

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-005-SD
Station ID: GML005
Lab ID: E131406-10
Matrix: Sediment

Date Collected: 4/3/13 13:31

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
98-86-2	Acetophenone	510	U	ug/kg dry	510	4/11/13 11:11	5/14/13 13:51	EPA 8270D
120-12-7	Anthracene	51	U	ug/kg dry	51	4/11/13 11:11	5/14/13 13:51	EPA 8270D
1912-24-9	Atrazine	510	U	ug/kg dry	510	4/11/13 11:11	5/14/13 13:51	EPA 8270D
100-52-7	Benzaldehyde	510	U	ug/kg dry	510	4/11/13 11:11	5/14/13 13:51	EPA 8270D
56-55-3	Benzo(a)anthracene	54		ug/kg dry	51	4/11/13 11:11	5/14/13 13:51	EPA 8270D
50-32-8	Benzo(a)pyrene	51	U	ug/kg dry	51	4/11/13 11:11	5/14/13 13:51	EPA 8270D
205-99-2	Benzo(b)fluoranthene	52		ug/kg dry	51	4/11/13 11:11	5/14/13 13:51	EPA 8270D
191-24-2	Benzo(g,h,i)perylene	51	U	ug/kg dry	51	4/11/13 11:11	5/14/13 13:51	EPA 8270D
207-08-9	Benzo(k)fluoranthene	51	U	ug/kg dry	51	4/11/13 11:11	5/14/13 13:51	EPA 8270D
85-68-7	Benzyl butyl phthalate	510	U	ug/kg dry	510	4/11/13 11:11	5/14/13 13:51	EPA 8270D
111-91-1	Bis(2-chloroethoxy)methane	510	U	ug/kg dry	510	4/11/13 11:11	5/14/13 13:51	EPA 8270D
111-44-4	bis(2-Chloroethyl) Ether	510	U	ug/kg dry	510	4/11/13 11:11	5/14/13 13:51	EPA 8270D
39638-32-9	Bis(2-chloroisopropyl) ether	510	U	ug/kg dry	510	4/11/13 11:11	5/14/13 13:51	EPA 8270D
117-81-7	Bis(2-ethylhexyl) phthalate	510	U	ug/kg dry	510	4/11/13 11:11	5/14/13 13:51	EPA 8270D
105-60-2	Caprolactam	510	U	ug/kg dry	510	4/11/13 11:11	5/14/13 13:51	EPA 8270D
86-74-8	Carbazole	51	U	ug/kg dry	51	4/11/13 11:11	5/14/13 13:51	EPA 8270D
218-01-9	Chrysene	59		ug/kg dry	51	4/11/13 11:11	5/14/13 13:51	EPA 8270D
53-70-3	Dibenz(a,h)anthracene	51	U	ug/kg dry	51	4/11/13 11:11	5/14/13 13:51	EPA 8270D
132-64-9	Dibenzofuran	51	U	ug/kg dry	51	4/11/13 11:11	5/14/13 13:51	EPA 8270D
84-66-2	Diethyl phthalate	510	U	ug/kg dry	510	4/11/13 11:11	5/14/13 13:51	EPA 8270D
131-11-3	Dimethyl phthalate	510	U	ug/kg dry	510	4/11/13 11:11	5/14/13 13:51	EPA 8270D
84-74-2	Di-n-butylphthalate	510	U	ug/kg dry	510	4/11/13 11:11	5/14/13 13:51	EPA 8270D
117-84-0	Di-n-octylphthalate	510	U	ug/kg dry	510	4/11/13 11:11	5/14/13 13:51	EPA 8270D
206-44-0	Fluoranthene	110		ug/kg dry	51	4/11/13 11:11	5/14/13 13:51	EPA 8270D
86-73-7	Fluorene	51	U	ug/kg dry	51	4/11/13 11:11	5/14/13 13:51	EPA 8270D
118-74-1	Hexachlorobenzene (HCB)	51	U	ug/kg dry	51	4/11/13 11:11	5/14/13 13:51	EPA 8270D
77-47-4	Hexachlorocyclopentadiene (HCCP)	510	U	ug/kg dry	510	4/11/13 11:11	5/14/13 13:51	EPA 8270D
67-72-1	Hexachloroethane	510	U	ug/kg dry	510	4/11/13 11:11	5/14/13 13:51	EPA 8270D
193-39-5	Indeno (1,2,3-cd) pyrene	51	U	ug/kg dry	51	4/11/13 11:11	5/14/13 13:51	EPA 8270D

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Diana Burdette

Semi Volatile Organics

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-005-SD
Station ID: GML005
Lab ID: E131406-10
Matrix: Sediment

Date Collected: 4/3/13 13:31

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
78-59-1	Isophorone	510	U	ug/kg dry	510	4/11/13 11:11	5/14/13 13:51	EPA 8270D
91-20-3	Naphthalene	51	U	ug/kg dry	51	4/11/13 11:11	5/14/13 13:51	EPA 8270D
98-95-3	Nitrobenzene	510	U	ug/kg dry	510	4/11/13 11:11	5/14/13 13:51	EPA 8270D
621-64-7	n-Nitroso di-n-Propylamine	510	U	ug/kg dry	510	4/11/13 11:11	5/14/13 13:51	EPA 8270D
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	510	U	ug/kg dry	510	4/11/13 11:11	5/14/13 13:51	EPA 8270D
87-86-5	Pentachlorophenol	510	U	ug/kg dry	510	4/11/13 11:11	5/14/13 13:51	EPA 8270D
85-01-8	Phenanthrene	61		ug/kg dry	51	4/11/13 11:11	5/14/13 13:51	EPA 8270D
108-95-2	Phenol	510	U	ug/kg dry	510	4/11/13 11:11	5/14/13 13:51	EPA 8270D
129-00-0	Pyrene	120		ug/kg dry	51	4/11/13 11:11	5/14/13 13:51	EPA 8270D
Tentatively Identified Compounds:								
R4-0000	Tentatively Identified Compounds	500	U	ug/kg dry	500	4/11/13 11:11	5/14/13 13:51	EPA 8270D

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Diana Burdette

Semi Volatile Organics

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-005-SW
Station ID: GML005
Lab ID: E131406-11
Matrix: Surface Water

Date Collected: 4/3/13 13:25

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1319-77-3	(3-and/or 4-)Methylphenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 20:03	EPA 8270D
92-52-4	1,1-Biphenyl	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 20:03	EPA 8270D
90-12-0	1-Methylnaphthalene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 20:03	EPA 8270D
58-90-2	2,3,4,6-Tetrachlorophenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 20:03	EPA 8270D
95-95-4	2,4,5-Trichlorophenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 20:03	EPA 8270D
88-06-2	2,4,6-Trichlorophenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 20:03	EPA 8270D
120-83-2	2,4-Dichlorophenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 20:03	EPA 8270D
105-67-9	2,4-Dimethylphenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 20:03	EPA 8270D
51-28-5	2,4-Dinitrophenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 20:03	EPA 8270D
121-14-2	2,4-Dinitrotoluene	10	U	ug/L	10	4/08/13 9:28	4/23/13 20:03	EPA 8270D
606-20-2	2,6-Dinitrotoluene	10	U	ug/L	10	4/08/13 9:28	4/23/13 20:03	EPA 8270D
91-58-7	2-Chloronaphthalene	10	U	ug/L	10	4/08/13 9:28	4/23/13 20:03	EPA 8270D
95-57-8	2-Chlorophenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 20:03	EPA 8270D
534-52-1	2-Methyl-4,6-dinitrophenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 20:03	EPA 8270D
91-57-6	2-Methylnaphthalene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 20:03	EPA 8270D
95-48-7	2-Methylphenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 20:03	EPA 8270D
88-74-4	2-Nitroaniline	10	U	ug/L	10	4/08/13 9:28	4/23/13 20:03	EPA 8270D
88-75-5	2-Nitrophenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 20:03	EPA 8270D
91-94-1	3,3'-Dichlorobenzidine	10	U	ug/L	10	4/08/13 9:28	4/23/13 20:03	EPA 8270D
99-09-2	3-Nitroaniline	10	U	ug/L	10	4/08/13 9:28	4/23/13 20:03	EPA 8270D
101-55-3	4-Bromophenyl phenyl ether	10	U	ug/L	10	4/08/13 9:28	4/23/13 20:03	EPA 8270D
59-50-7	4-Chloro-3-methylphenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 20:03	EPA 8270D
106-47-8	4-Chloroaniline	10	U	ug/L	10	4/08/13 9:28	4/23/13 20:03	EPA 8270D
7005-72-3	4-Chlorophenyl phenyl ether	10	U	ug/L	10	4/08/13 9:28	4/23/13 20:03	EPA 8270D
100-01-6	4-Nitroaniline	10	U	ug/L	10	4/08/13 9:28	4/23/13 20:03	EPA 8270D
100-02-7	4-Nitrophenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 20:03	EPA 8270D
83-32-9	Acenaphthene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 20:03	EPA 8270D
208-96-8	Acenaphthylene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 20:03	EPA 8270D

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
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980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Diana Burdette

Semi Volatile Organics

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-005-SW
Station ID: GML005
Lab ID: E131406-11
Matrix: Surface Water

Date Collected: 4/3/13 13:25

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
98-86-2	Acetophenone	10	U	ug/L	10	4/08/13 9:28	4/23/13 20:03	EPA 8270D
120-12-7	Anthracene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 20:03	EPA 8270D
1912-24-9	Atrazine	10	U	ug/L	10	4/08/13 9:28	4/23/13 20:03	EPA 8270D
100-52-7	Benzaldehyde	10	U	ug/L	10	4/08/13 9:28	4/23/13 20:03	EPA 8270D
56-55-3	Benzo(a)anthracene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 20:03	EPA 8270D
50-32-8	Benzo(a)pyrene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 20:03	EPA 8270D
205-99-2	Benzo(b)fluoranthene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 20:03	EPA 8270D
191-24-2	Benzo(g,h,i)perylene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 20:03	EPA 8270D
207-08-9	Benzo(k)fluoranthene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 20:03	EPA 8270D
85-68-7	Benzyl butyl phthalate	10	U	ug/L	10	4/08/13 9:28	4/23/13 20:03	EPA 8270D
111-91-1	Bis(2-chloroethoxy)methane	10	U	ug/L	10	4/08/13 9:28	4/23/13 20:03	EPA 8270D
111-44-4	bis(2-Chloroethyl) Ether	10	U	ug/L	10	4/08/13 9:28	4/23/13 20:03	EPA 8270D
39638-32-9	Bis(2-chloroisopropyl) ether	10	U	ug/L	10	4/08/13 9:28	4/23/13 20:03	EPA 8270D
117-81-7	Bis(2-ethylhexyl) phthalate	10	U	ug/L	10	4/08/13 9:28	4/23/13 20:03	EPA 8270D
105-60-2	Caprolactam	10	U	ug/L	10	4/08/13 9:28	4/23/13 20:03	EPA 8270D
86-74-8	Carbazole	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 20:03	EPA 8270D
218-01-9	Chrysene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 20:03	EPA 8270D
53-70-3	Dibenz(a,h)anthracene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 20:03	EPA 8270D
132-64-9	Dibenzofuran	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 20:03	EPA 8270D
84-66-2	Diethyl phthalate	10	U	ug/L	10	4/08/13 9:28	4/23/13 20:03	EPA 8270D
131-11-3	Dimethyl phthalate	10	U	ug/L	10	4/08/13 9:28	4/23/13 20:03	EPA 8270D
84-74-2	Di-n-butylphthalate	10	U	ug/L	10	4/08/13 9:28	4/23/13 20:03	EPA 8270D
117-84-0	Di-n-octylphthalate	10	U	ug/L	10	4/08/13 9:28	4/23/13 20:03	EPA 8270D
206-44-0	Fluoranthene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 20:03	EPA 8270D
86-73-7	Fluorene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 20:03	EPA 8270D
118-74-1	Hexachlorobenzene (HCB)	10	U	ug/L	10	4/08/13 9:28	4/23/13 20:03	EPA 8270D
77-47-4	Hexachlorocyclopentadiene (HCCP)	10	U	ug/L	10	4/08/13 9:28	4/23/13 20:03	EPA 8270D
67-72-1	Hexachloroethane	10	U	ug/L	10	4/08/13 9:28	4/23/13 20:03	EPA 8270D
193-39-5	Indeno (1,2,3-cd) pyrene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 20:03	EPA 8270D

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Diana Burdette

Semi Volatile Organics

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-005-SW
Station ID: GML005
Lab ID: E131406-11
Matrix: Surface Water

Date Collected: 4/3/13 13:25

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
78-59-1	Isophorone	10	U	ug/L	10	4/08/13 9:28	4/23/13 20:03	EPA 8270D
91-20-3	Naphthalene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 20:03	EPA 8270D
98-95-3	Nitrobenzene	10	U	ug/L	10	4/08/13 9:28	4/23/13 20:03	EPA 8270D
621-64-7	n-Nitroso di-n-Propylamine	10	U	ug/L	10	4/08/13 9:28	4/23/13 20:03	EPA 8270D
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	10	U	ug/L	10	4/08/13 9:28	4/23/13 20:03	EPA 8270D
87-86-5	Pentachlorophenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 20:03	EPA 8270D
85-01-8	Phenanthrene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 20:03	EPA 8270D
108-95-2	Phenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 20:03	EPA 8270D
129-00-0	Pyrene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 20:03	EPA 8270D
Tentatively Identified Compounds:								
R4-0000	Tentatively Identified Compounds	10	U	ug/L	10	4/08/13 9:28	4/23/13 20:03	EPA 8270D

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Diana Burdette

Semi Volatile Organics

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-006-SD
Station ID: GML006
Lab ID: E131406-12
Matrix: Sediment

Date Collected: 4/3/13 11:10

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1319-77-3	(3-and/or 4-)Methylphenol	550	U	ug/kg dry	550	4/11/13 11:11	5/14/13 17:12	EPA 8270D
92-52-4	1,1-Biphenyl	55	U	ug/kg dry	55	4/11/13 11:11	5/14/13 17:12	EPA 8270D
90-12-0	1-Methylnaphthalene	55	U	ug/kg dry	55	4/11/13 11:11	5/14/13 17:12	EPA 8270D
58-90-2	2,3,4,6-Tetrachlorophenol	550	U	ug/kg dry	550	4/11/13 11:11	5/14/13 17:12	EPA 8270D
95-95-4	2,4,5-Trichlorophenol	550	U	ug/kg dry	550	4/11/13 11:11	5/14/13 17:12	EPA 8270D
88-06-2	2,4,6-Trichlorophenol	550	U	ug/kg dry	550	4/11/13 11:11	5/14/13 17:12	EPA 8270D
120-83-2	2,4-Dichlorophenol	550	U	ug/kg dry	550	4/11/13 11:11	5/14/13 17:12	EPA 8270D
105-67-9	2,4-Dimethylphenol	550	U	ug/kg dry	550	4/11/13 11:11	5/14/13 17:12	EPA 8270D
51-28-5	2,4-Dinitrophenol	550	U	ug/kg dry	550	4/11/13 11:11	5/14/13 17:12	EPA 8270D
121-14-2	2,4-Dinitrotoluene	550	U	ug/kg dry	550	4/11/13 11:11	5/14/13 17:12	EPA 8270D
606-20-2	2,6-Dinitrotoluene	550	U	ug/kg dry	550	4/11/13 11:11	5/14/13 17:12	EPA 8270D
91-58-7	2-Chloronaphthalene	550	U	ug/kg dry	550	4/11/13 11:11	5/14/13 17:12	EPA 8270D
95-57-8	2-Chlorophenol	550	U	ug/kg dry	550	4/11/13 11:11	5/14/13 17:12	EPA 8270D
534-52-1	2-Methyl-4,6-dinitrophenol	550	U	ug/kg dry	550	4/11/13 11:11	5/14/13 17:12	EPA 8270D
91-57-6	2-Methylnaphthalene	55	U	ug/kg dry	55	4/11/13 11:11	5/14/13 17:12	EPA 8270D
95-48-7	2-Methylphenol	550	U	ug/kg dry	550	4/11/13 11:11	5/14/13 17:12	EPA 8270D
88-74-4	2-Nitroaniline	550	U	ug/kg dry	550	4/11/13 11:11	5/14/13 17:12	EPA 8270D
88-75-5	2-Nitrophenol	550	U	ug/kg dry	550	4/11/13 11:11	5/14/13 17:12	EPA 8270D
91-94-1	3,3'-Dichlorobenzidine	550	U	ug/kg dry	550	4/11/13 11:11	5/14/13 17:12	EPA 8270D
99-09-2	3-Nitroaniline	550	U	ug/kg dry	550	4/11/13 11:11	5/14/13 17:12	EPA 8270D
101-55-3	4-Bromophenyl phenyl ether	550	U	ug/kg dry	550	4/11/13 11:11	5/14/13 17:12	EPA 8270D
59-50-7	4-Chloro-3-methylphenol	550	U	ug/kg dry	550	4/11/13 11:11	5/14/13 17:12	EPA 8270D
106-47-8	4-Chloroaniline	550	U	ug/kg dry	550	4/11/13 11:11	5/14/13 17:12	EPA 8270D
7005-72-3	4-Chlorophenyl phenyl ether	550	U	ug/kg dry	550	4/11/13 11:11	5/14/13 17:12	EPA 8270D
100-01-6	4-Nitroaniline	550	U	ug/kg dry	550	4/11/13 11:11	5/14/13 17:12	EPA 8270D
100-02-7	4-Nitrophenol	550	U	ug/kg dry	550	4/11/13 11:11	5/14/13 17:12	EPA 8270D
83-32-9	Acenaphthene	55	U	ug/kg dry	55	4/11/13 11:11	5/14/13 17:12	EPA 8270D
208-96-8	Acenaphthylene	55	U	ug/kg dry	55	4/11/13 11:11	5/14/13 17:12	EPA 8270D

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Diana Burdette

Semi Volatile Organics

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-006-SD
Station ID: GML006
Lab ID: E131406-12
Matrix: Sediment

Date Collected: 4/3/13 11:10

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
98-86-2	Acetophenone	550	U	ug/kg dry	550	4/11/13 11:11	5/14/13 17:12	EPA 8270D
120-12-7	Anthracene	55	U	ug/kg dry	55	4/11/13 11:11	5/14/13 17:12	EPA 8270D
1912-24-9	Atrazine	550	U	ug/kg dry	550	4/11/13 11:11	5/14/13 17:12	EPA 8270D
100-52-7	Benzaldehyde	550	U	ug/kg dry	550	4/11/13 11:11	5/14/13 17:12	EPA 8270D
56-55-3	Benzo(a)anthracene	55	U	ug/kg dry	55	4/11/13 11:11	5/14/13 17:12	EPA 8270D
50-32-8	Benzo(a)pyrene	55	U	ug/kg dry	55	4/11/13 11:11	5/14/13 17:12	EPA 8270D
205-99-2	Benzo(b)fluoranthene	55	U	ug/kg dry	55	4/11/13 11:11	5/14/13 17:12	EPA 8270D
191-24-2	Benzo(g,h,i)perylene	55	U	ug/kg dry	55	4/11/13 11:11	5/14/13 17:12	EPA 8270D
207-08-9	Benzo(k)fluoranthene	55	U	ug/kg dry	55	4/11/13 11:11	5/14/13 17:12	EPA 8270D
85-68-7	Benzyl butyl phthalate	550	U	ug/kg dry	550	4/11/13 11:11	5/14/13 17:12	EPA 8270D
111-91-1	Bis(2-chloroethoxy)methane	550	U	ug/kg dry	550	4/11/13 11:11	5/14/13 17:12	EPA 8270D
111-44-4	bis(2-Chloroethyl) Ether	550	U	ug/kg dry	550	4/11/13 11:11	5/14/13 17:12	EPA 8270D
39638-32-9	Bis(2-chloroisopropyl) ether	550	U	ug/kg dry	550	4/11/13 11:11	5/14/13 17:12	EPA 8270D
117-81-7	Bis(2-ethylhexyl) phthalate	550	U	ug/kg dry	550	4/11/13 11:11	5/14/13 17:12	EPA 8270D
105-60-2	Caprolactam	550	U	ug/kg dry	550	4/11/13 11:11	5/14/13 17:12	EPA 8270D
86-74-8	Carbazole	55	U	ug/kg dry	55	4/11/13 11:11	5/14/13 17:12	EPA 8270D
218-01-9	Chrysene	55	U	ug/kg dry	55	4/11/13 11:11	5/14/13 17:12	EPA 8270D
53-70-3	Dibenz(a,h)anthracene	55	U	ug/kg dry	55	4/11/13 11:11	5/14/13 17:12	EPA 8270D
132-64-9	Dibenzofuran	55	U	ug/kg dry	55	4/11/13 11:11	5/14/13 17:12	EPA 8270D
84-66-2	Diethyl phthalate	550	U	ug/kg dry	550	4/11/13 11:11	5/14/13 17:12	EPA 8270D
131-11-3	Dimethyl phthalate	550	U	ug/kg dry	550	4/11/13 11:11	5/14/13 17:12	EPA 8270D
84-74-2	Di-n-butylphthalate	550	U	ug/kg dry	550	4/11/13 11:11	5/14/13 17:12	EPA 8270D
117-84-0	Di-n-octylphthalate	550	U	ug/kg dry	550	4/11/13 11:11	5/14/13 17:12	EPA 8270D
206-44-0	Fluoranthene	55	U	ug/kg dry	55	4/11/13 11:11	5/14/13 17:12	EPA 8270D
86-73-7	Fluorene	55	U	ug/kg dry	55	4/11/13 11:11	5/14/13 17:12	EPA 8270D
118-74-1	Hexachlorobenzene (HCB)	55	U	ug/kg dry	55	4/11/13 11:11	5/14/13 17:12	EPA 8270D
77-47-4	Hexachlorocyclopentadiene (HCCP)	550	U	ug/kg dry	550	4/11/13 11:11	5/14/13 17:12	EPA 8270D
67-72-1	Hexachloroethane	550	U	ug/kg dry	550	4/11/13 11:11	5/14/13 17:12	EPA 8270D
193-39-5	Indeno (1,2,3-cd) pyrene	55	U	ug/kg dry	55	4/11/13 11:11	5/14/13 17:12	EPA 8270D

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Diana Burdette

Semi Volatile Organics

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-006-SD
Station ID: GML006
Lab ID: E131406-12
Matrix: Sediment

Date Collected: 4/3/13 11:10

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
78-59-1	Isophorone	550	U	ug/kg dry	550	4/11/13 11:11	5/14/13 17:12	EPA 8270D
91-20-3	Naphthalene	55	U	ug/kg dry	55	4/11/13 11:11	5/14/13 17:12	EPA 8270D
98-95-3	Nitrobenzene	550	U	ug/kg dry	550	4/11/13 11:11	5/14/13 17:12	EPA 8270D
621-64-7	n-Nitroso di-n-Propylamine	550	U	ug/kg dry	550	4/11/13 11:11	5/14/13 17:12	EPA 8270D
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	550	U	ug/kg dry	550	4/11/13 11:11	5/14/13 17:12	EPA 8270D
87-86-5	Pentachlorophenol	550	U	ug/kg dry	550	4/11/13 11:11	5/14/13 17:12	EPA 8270D
85-01-8	Phenanthrene	55	U	ug/kg dry	55	4/11/13 11:11	5/14/13 17:12	EPA 8270D
108-95-2	Phenol	550	U	ug/kg dry	550	4/11/13 11:11	5/14/13 17:12	EPA 8270D
129-00-0	Pyrene	55	U	ug/kg dry	55	4/11/13 11:11	5/14/13 17:12	EPA 8270D
Tentatively Identified Compounds:								
R4-0000	Tentatively Identified Compounds	600	U	ug/kg dry	600	4/11/13 11:11	5/14/13 17:12	EPA 8270D

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Diana Burdette

Semi Volatile Organics

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-006-SW
Station ID: GML006
Lab ID: E131406-13
Matrix: Surface Water

Date Collected: 4/3/13 11:05

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1319-77-3	(3-and/or 4-)Methylphenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 20:34	EPA 8270D
92-52-4	1,1-Biphenyl	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 20:34	EPA 8270D
90-12-0	1-Methylnaphthalene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 20:34	EPA 8270D
58-90-2	2,3,4,6-Tetrachlorophenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 20:34	EPA 8270D
95-95-4	2,4,5-Trichlorophenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 20:34	EPA 8270D
88-06-2	2,4,6-Trichlorophenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 20:34	EPA 8270D
120-83-2	2,4-Dichlorophenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 20:34	EPA 8270D
105-67-9	2,4-Dimethylphenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 20:34	EPA 8270D
51-28-5	2,4-Dinitrophenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 20:34	EPA 8270D
121-14-2	2,4-Dinitrotoluene	10	U	ug/L	10	4/08/13 9:28	4/23/13 20:34	EPA 8270D
606-20-2	2,6-Dinitrotoluene	10	U	ug/L	10	4/08/13 9:28	4/23/13 20:34	EPA 8270D
91-58-7	2-Chloronaphthalene	10	U	ug/L	10	4/08/13 9:28	4/23/13 20:34	EPA 8270D
95-57-8	2-Chlorophenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 20:34	EPA 8270D
534-52-1	2-Methyl-4,6-dinitrophenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 20:34	EPA 8270D
91-57-6	2-Methylnaphthalene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 20:34	EPA 8270D
95-48-7	2-Methylphenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 20:34	EPA 8270D
88-74-4	2-Nitroaniline	10	U	ug/L	10	4/08/13 9:28	4/23/13 20:34	EPA 8270D
88-75-5	2-Nitrophenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 20:34	EPA 8270D
91-94-1	3,3'-Dichlorobenzidine	10	U	ug/L	10	4/08/13 9:28	4/23/13 20:34	EPA 8270D
99-09-2	3-Nitroaniline	10	U	ug/L	10	4/08/13 9:28	4/23/13 20:34	EPA 8270D
101-55-3	4-Bromophenyl phenyl ether	10	U	ug/L	10	4/08/13 9:28	4/23/13 20:34	EPA 8270D
59-50-7	4-Chloro-3-methylphenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 20:34	EPA 8270D
106-47-8	4-Chloroaniline	10	U	ug/L	10	4/08/13 9:28	4/23/13 20:34	EPA 8270D
7005-72-3	4-Chlorophenyl phenyl ether	10	U	ug/L	10	4/08/13 9:28	4/23/13 20:34	EPA 8270D
100-01-6	4-Nitroaniline	10	U	ug/L	10	4/08/13 9:28	4/23/13 20:34	EPA 8270D
100-02-7	4-Nitrophenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 20:34	EPA 8270D
83-32-9	Acenaphthene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 20:34	EPA 8270D
208-96-8	Acenaphthylene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 20:34	EPA 8270D

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
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980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Diana Burdette

Semi Volatile Organics

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-006-SW
Station ID: GML006
Lab ID: E131406-13
Matrix: Surface Water

Date Collected: 4/3/13 11:05

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
98-86-2	Acetophenone	10	U	ug/L	10	4/08/13 9:28	4/23/13 20:34	EPA 8270D
120-12-7	Anthracene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 20:34	EPA 8270D
1912-24-9	Atrazine	10	U	ug/L	10	4/08/13 9:28	4/23/13 20:34	EPA 8270D
100-52-7	Benzaldehyde	10	U	ug/L	10	4/08/13 9:28	4/23/13 20:34	EPA 8270D
56-55-3	Benzo(a)anthracene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 20:34	EPA 8270D
50-32-8	Benzo(a)pyrene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 20:34	EPA 8270D
205-99-2	Benzo(b)fluoranthene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 20:34	EPA 8270D
191-24-2	Benzo(g,h,i)perylene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 20:34	EPA 8270D
207-08-9	Benzo(k)fluoranthene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 20:34	EPA 8270D
85-68-7	Benzyl butyl phthalate	10	U	ug/L	10	4/08/13 9:28	4/23/13 20:34	EPA 8270D
111-91-1	Bis(2-chloroethoxy)methane	10	U	ug/L	10	4/08/13 9:28	4/23/13 20:34	EPA 8270D
111-44-4	bis(2-Chloroethyl) Ether	10	U	ug/L	10	4/08/13 9:28	4/23/13 20:34	EPA 8270D
39638-32-9	Bis(2-chloroisopropyl) ether	10	U	ug/L	10	4/08/13 9:28	4/23/13 20:34	EPA 8270D
117-81-7	Bis(2-ethylhexyl) phthalate	10	U	ug/L	10	4/08/13 9:28	4/23/13 20:34	EPA 8270D
105-60-2	Caprolactam	10	U	ug/L	10	4/08/13 9:28	4/23/13 20:34	EPA 8270D
86-74-8	Carbazole	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 20:34	EPA 8270D
218-01-9	Chrysene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 20:34	EPA 8270D
53-70-3	Dibenz(a,h)anthracene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 20:34	EPA 8270D
132-64-9	Dibenzofuran	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 20:34	EPA 8270D
84-66-2	Diethyl phthalate	10	U	ug/L	10	4/08/13 9:28	4/23/13 20:34	EPA 8270D
131-11-3	Dimethyl phthalate	10	U	ug/L	10	4/08/13 9:28	4/23/13 20:34	EPA 8270D
84-74-2	Di-n-butylphthalate	10	U	ug/L	10	4/08/13 9:28	4/23/13 20:34	EPA 8270D
117-84-0	Di-n-octylphthalate	10	U	ug/L	10	4/08/13 9:28	4/23/13 20:34	EPA 8270D
206-44-0	Fluoranthene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 20:34	EPA 8270D
86-73-7	Fluorene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 20:34	EPA 8270D
118-74-1	Hexachlorobenzene (HCB)	10	U	ug/L	10	4/08/13 9:28	4/23/13 20:34	EPA 8270D
77-47-4	Hexachlorocyclopentadiene (HCCP)	10	U	ug/L	10	4/08/13 9:28	4/23/13 20:34	EPA 8270D
67-72-1	Hexachloroethane	10	U	ug/L	10	4/08/13 9:28	4/23/13 20:34	EPA 8270D
193-39-5	Indeno (1,2,3-cd) pyrene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 20:34	EPA 8270D

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Diana Burdette

Semi Volatile Organics

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-006-SW
Station ID: GML006
Lab ID: E131406-13
Matrix: Surface Water

Date Collected: 4/3/13 11:05

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
78-59-1	Isophorone	10	U	ug/L	10	4/08/13 9:28	4/23/13 20:34	EPA 8270D
91-20-3	Naphthalene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 20:34	EPA 8270D
98-95-3	Nitrobenzene	10	U	ug/L	10	4/08/13 9:28	4/23/13 20:34	EPA 8270D
621-64-7	n-Nitroso di-n-Propylamine	10	U	ug/L	10	4/08/13 9:28	4/23/13 20:34	EPA 8270D
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	10	U	ug/L	10	4/08/13 9:28	4/23/13 20:34	EPA 8270D
87-86-5	Pentachlorophenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 20:34	EPA 8270D
85-01-8	Phenanthrene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 20:34	EPA 8270D
108-95-2	Phenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 20:34	EPA 8270D
129-00-0	Pyrene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 20:34	EPA 8270D
Tentatively Identified Compounds:								
R4-0000	Tentatively Identified Compounds	10	U	ug/L	10	4/08/13 9:28	4/23/13 20:34	EPA 8270D

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Diana Burdette

Semi Volatile Organics

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-007-SD
Station ID: GML007
Lab ID: E131406-14
Matrix: Sediment

Date Collected: 4/3/13 11:26

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1319-77-3	(3-and/or 4-)Methylphenol	500	U	ug/kg dry	500	4/11/13 11:11	5/14/13 14:25	EPA 8270D
92-52-4	1,1-Biphenyl	50	U	ug/kg dry	50	4/11/13 11:11	5/14/13 14:25	EPA 8270D
90-12-0	1-Methylnaphthalene	50	U	ug/kg dry	50	4/11/13 11:11	5/14/13 14:25	EPA 8270D
58-90-2	2,3,4,6-Tetrachlorophenol	500	U	ug/kg dry	500	4/11/13 11:11	5/14/13 14:25	EPA 8270D
95-95-4	2,4,5-Trichlorophenol	500	U	ug/kg dry	500	4/11/13 11:11	5/14/13 14:25	EPA 8270D
88-06-2	2,4,6-Trichlorophenol	500	U	ug/kg dry	500	4/11/13 11:11	5/14/13 14:25	EPA 8270D
120-83-2	2,4-Dichlorophenol	500	U	ug/kg dry	500	4/11/13 11:11	5/14/13 14:25	EPA 8270D
105-67-9	2,4-Dimethylphenol	500	U	ug/kg dry	500	4/11/13 11:11	5/14/13 14:25	EPA 8270D
51-28-5	2,4-Dinitrophenol	500	U	ug/kg dry	500	4/11/13 11:11	5/14/13 14:25	EPA 8270D
121-14-2	2,4-Dinitrotoluene	500	U	ug/kg dry	500	4/11/13 11:11	5/14/13 14:25	EPA 8270D
606-20-2	2,6-Dinitrotoluene	500	U	ug/kg dry	500	4/11/13 11:11	5/14/13 14:25	EPA 8270D
91-58-7	2-Chloronaphthalene	500	U	ug/kg dry	500	4/11/13 11:11	5/14/13 14:25	EPA 8270D
95-57-8	2-Chlorophenol	500	U	ug/kg dry	500	4/11/13 11:11	5/14/13 14:25	EPA 8270D
534-52-1	2-Methyl-4,6-dinitrophenol	500	U	ug/kg dry	500	4/11/13 11:11	5/14/13 14:25	EPA 8270D
91-57-6	2-Methylnaphthalene	50	U	ug/kg dry	50	4/11/13 11:11	5/14/13 14:25	EPA 8270D
95-48-7	2-Methylphenol	500	U	ug/kg dry	500	4/11/13 11:11	5/14/13 14:25	EPA 8270D
88-74-4	2-Nitroaniline	500	U	ug/kg dry	500	4/11/13 11:11	5/14/13 14:25	EPA 8270D
88-75-5	2-Nitrophenol	500	U	ug/kg dry	500	4/11/13 11:11	5/14/13 14:25	EPA 8270D
91-94-1	3,3'-Dichlorobenzidine	500	U	ug/kg dry	500	4/11/13 11:11	5/14/13 14:25	EPA 8270D
99-09-2	3-Nitroaniline	500	U	ug/kg dry	500	4/11/13 11:11	5/14/13 14:25	EPA 8270D
101-55-3	4-Bromophenyl phenyl ether	500	U	ug/kg dry	500	4/11/13 11:11	5/14/13 14:25	EPA 8270D
59-50-7	4-Chloro-3-methylphenol	500	U	ug/kg dry	500	4/11/13 11:11	5/14/13 14:25	EPA 8270D
106-47-8	4-Chloroaniline	500	U	ug/kg dry	500	4/11/13 11:11	5/14/13 14:25	EPA 8270D
7005-72-3	4-Chlorophenyl phenyl ether	500	U	ug/kg dry	500	4/11/13 11:11	5/14/13 14:25	EPA 8270D
100-01-6	4-Nitroaniline	500	U	ug/kg dry	500	4/11/13 11:11	5/14/13 14:25	EPA 8270D
100-02-7	4-Nitrophenol	500	U	ug/kg dry	500	4/11/13 11:11	5/14/13 14:25	EPA 8270D
83-32-9	Acenaphthene	50	U	ug/kg dry	50	4/11/13 11:11	5/14/13 14:25	EPA 8270D
208-96-8	Acenaphthylene	50	U	ug/kg dry	50	4/11/13 11:11	5/14/13 14:25	EPA 8270D

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Diana Burdette

Semi Volatile Organics

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-007-SD
Station ID: GML007
Lab ID: E131406-14
Matrix: Sediment

Date Collected: 4/3/13 11:26

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
98-86-2	Acetophenone	500	U	ug/kg dry	500	4/11/13 11:11	5/14/13 14:25	EPA 8270D
120-12-7	Anthracene	50	U	ug/kg dry	50	4/11/13 11:11	5/14/13 14:25	EPA 8270D
1912-24-9	Atrazine	500	U	ug/kg dry	500	4/11/13 11:11	5/14/13 14:25	EPA 8270D
100-52-7	Benzaldehyde	500	U	ug/kg dry	500	4/11/13 11:11	5/14/13 14:25	EPA 8270D
56-55-3	Benzo(a)anthracene	50	U	ug/kg dry	50	4/11/13 11:11	5/14/13 14:25	EPA 8270D
50-32-8	Benzo(a)pyrene	50	U	ug/kg dry	50	4/11/13 11:11	5/14/13 14:25	EPA 8270D
205-99-2	Benzo(b)fluoranthene	50	U	ug/kg dry	50	4/11/13 11:11	5/14/13 14:25	EPA 8270D
191-24-2	Benzo(g,h,i)perylene	50	U	ug/kg dry	50	4/11/13 11:11	5/14/13 14:25	EPA 8270D
207-08-9	Benzo(k)fluoranthene	50	U	ug/kg dry	50	4/11/13 11:11	5/14/13 14:25	EPA 8270D
85-68-7	Benzyl butyl phthalate	500	U	ug/kg dry	500	4/11/13 11:11	5/14/13 14:25	EPA 8270D
111-91-1	Bis(2-chloroethoxy)methane	500	U	ug/kg dry	500	4/11/13 11:11	5/14/13 14:25	EPA 8270D
111-44-4	bis(2-Chloroethyl) Ether	500	U	ug/kg dry	500	4/11/13 11:11	5/14/13 14:25	EPA 8270D
39638-32-9	Bis(2-chloroisopropyl) ether	500	U	ug/kg dry	500	4/11/13 11:11	5/14/13 14:25	EPA 8270D
117-81-7	Bis(2-ethylhexyl) phthalate	500	U	ug/kg dry	500	4/11/13 11:11	5/14/13 14:25	EPA 8270D
105-60-2	Caprolactam	500	U	ug/kg dry	500	4/11/13 11:11	5/14/13 14:25	EPA 8270D
86-74-8	Carbazole	50	U	ug/kg dry	50	4/11/13 11:11	5/14/13 14:25	EPA 8270D
218-01-9	Chrysene	50	U	ug/kg dry	50	4/11/13 11:11	5/14/13 14:25	EPA 8270D
53-70-3	Dibenz(a,h)anthracene	50	U	ug/kg dry	50	4/11/13 11:11	5/14/13 14:25	EPA 8270D
132-64-9	Dibenzofuran	50	U	ug/kg dry	50	4/11/13 11:11	5/14/13 14:25	EPA 8270D
84-66-2	Diethyl phthalate	500	U	ug/kg dry	500	4/11/13 11:11	5/14/13 14:25	EPA 8270D
131-11-3	Dimethyl phthalate	500	U	ug/kg dry	500	4/11/13 11:11	5/14/13 14:25	EPA 8270D
84-74-2	Di-n-butylphthalate	500	U	ug/kg dry	500	4/11/13 11:11	5/14/13 14:25	EPA 8270D
117-84-0	Di-n-octylphthalate	500	U	ug/kg dry	500	4/11/13 11:11	5/14/13 14:25	EPA 8270D
206-44-0	Fluoranthene	50	U	ug/kg dry	50	4/11/13 11:11	5/14/13 14:25	EPA 8270D
86-73-7	Fluorene	50	U	ug/kg dry	50	4/11/13 11:11	5/14/13 14:25	EPA 8270D
118-74-1	Hexachlorobenzene (HCB)	50	U	ug/kg dry	50	4/11/13 11:11	5/14/13 14:25	EPA 8270D
77-47-4	Hexachlorocyclopentadiene (HCCP)	500	U	ug/kg dry	500	4/11/13 11:11	5/14/13 14:25	EPA 8270D
67-72-1	Hexachloroethane	500	U	ug/kg dry	500	4/11/13 11:11	5/14/13 14:25	EPA 8270D
193-39-5	Indeno (1,2,3-cd) pyrene	50	U	ug/kg dry	50	4/11/13 11:11	5/14/13 14:25	EPA 8270D

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Diana Burdette

Semi Volatile Organics

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-007-SD
Station ID: GML007
Lab ID: E131406-14
Matrix: Sediment

Date Collected: 4/3/13 11:26

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
78-59-1	Isophorone	500	U	ug/kg dry	500	4/11/13 11:11	5/14/13 14:25	EPA 8270D
91-20-3	Naphthalene	50	U	ug/kg dry	50	4/11/13 11:11	5/14/13 14:25	EPA 8270D
98-95-3	Nitrobenzene	500	U	ug/kg dry	500	4/11/13 11:11	5/14/13 14:25	EPA 8270D
621-64-7	n-Nitroso di-n-Propylamine	500	U	ug/kg dry	500	4/11/13 11:11	5/14/13 14:25	EPA 8270D
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	500	U	ug/kg dry	500	4/11/13 11:11	5/14/13 14:25	EPA 8270D
87-86-5	Pentachlorophenol	500	U	ug/kg dry	500	4/11/13 11:11	5/14/13 14:25	EPA 8270D
85-01-8	Phenanthrene	50	U	ug/kg dry	50	4/11/13 11:11	5/14/13 14:25	EPA 8270D
108-95-2	Phenol	500	U	ug/kg dry	500	4/11/13 11:11	5/14/13 14:25	EPA 8270D
129-00-0	Pyrene	50	U	ug/kg dry	50	4/11/13 11:11	5/14/13 14:25	EPA 8270D
Tentatively Identified Compounds:								
R4-6500	Petroleum Product:		N			11:11 11:11	5/14/13 14:25	EPA 8270D

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Diana Burdette

Semi Volatile Organics

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-007-SW
Station ID: GML007

Lab ID: E131406-15
Matrix: Surface Water

Date Collected: 4/3/13 11:21

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1319-77-3	(3-and/or 4-)Methylphenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 21:06	EPA 8270D
92-52-4	1,1-Biphenyl	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 21:06	EPA 8270D
90-12-0	1-Methylnaphthalene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 21:06	EPA 8270D
58-90-2	2,3,4,6-Tetrachlorophenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 21:06	EPA 8270D
95-95-4	2,4,5-Trichlorophenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 21:06	EPA 8270D
88-06-2	2,4,6-Trichlorophenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 21:06	EPA 8270D
120-83-2	2,4-Dichlorophenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 21:06	EPA 8270D
105-67-9	2,4-Dimethylphenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 21:06	EPA 8270D
51-28-5	2,4-Dinitrophenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 21:06	EPA 8270D
121-14-2	2,4-Dinitrotoluene	10	U	ug/L	10	4/08/13 9:28	4/23/13 21:06	EPA 8270D
606-20-2	2,6-Dinitrotoluene	10	U	ug/L	10	4/08/13 9:28	4/23/13 21:06	EPA 8270D
91-58-7	2-Chloronaphthalene	10	U	ug/L	10	4/08/13 9:28	4/23/13 21:06	EPA 8270D
95-57-8	2-Chlorophenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 21:06	EPA 8270D
534-52-1	2-Methyl-4,6-dinitrophenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 21:06	EPA 8270D
91-57-6	2-Methylnaphthalene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 21:06	EPA 8270D
95-48-7	2-Methylphenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 21:06	EPA 8270D
88-74-4	2-Nitroaniline	10	U	ug/L	10	4/08/13 9:28	4/23/13 21:06	EPA 8270D
88-75-5	2-Nitrophenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 21:06	EPA 8270D
91-94-1	3,3'-Dichlorobenzidine	10	U	ug/L	10	4/08/13 9:28	4/23/13 21:06	EPA 8270D
99-09-2	3-Nitroaniline	10	U	ug/L	10	4/08/13 9:28	4/23/13 21:06	EPA 8270D
101-55-3	4-Bromophenyl phenyl ether	10	U	ug/L	10	4/08/13 9:28	4/23/13 21:06	EPA 8270D
59-50-7	4-Chloro-3-methylphenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 21:06	EPA 8270D
106-47-8	4-Chloroaniline	10	U	ug/L	10	4/08/13 9:28	4/23/13 21:06	EPA 8270D
7005-72-3	4-Chlorophenyl phenyl ether	10	U	ug/L	10	4/08/13 9:28	4/23/13 21:06	EPA 8270D
100-01-6	4-Nitroaniline	10	U	ug/L	10	4/08/13 9:28	4/23/13 21:06	EPA 8270D
100-02-7	4-Nitrophenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 21:06	EPA 8270D
83-32-9	Acenaphthene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 21:06	EPA 8270D
208-96-8	Acenaphthylene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 21:06	EPA 8270D

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Diana Burdette

Semi Volatile Organics

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-007-SW
Station ID: GML007
Lab ID: E131406-15
Matrix: Surface Water

Date Collected: 4/3/13 11:21

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
98-86-2	Acetophenone	10	U	ug/L	10	4/08/13 9:28	4/23/13 21:06	EPA 8270D
120-12-7	Anthracene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 21:06	EPA 8270D
1912-24-9	Atrazine	10	U	ug/L	10	4/08/13 9:28	4/23/13 21:06	EPA 8270D
100-52-7	Benzaldehyde	10	U	ug/L	10	4/08/13 9:28	4/23/13 21:06	EPA 8270D
56-55-3	Benzo(a)anthracene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 21:06	EPA 8270D
50-32-8	Benzo(a)pyrene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 21:06	EPA 8270D
205-99-2	Benzo(b)fluoranthene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 21:06	EPA 8270D
191-24-2	Benzo(g,h,i)perylene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 21:06	EPA 8270D
207-08-9	Benzo(k)fluoranthene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 21:06	EPA 8270D
85-68-7	Benzyl butyl phthalate	10	U	ug/L	10	4/08/13 9:28	4/23/13 21:06	EPA 8270D
111-91-1	Bis(2-chloroethoxy)methane	10	U	ug/L	10	4/08/13 9:28	4/23/13 21:06	EPA 8270D
111-44-4	bis(2-Chloroethyl) Ether	10	U	ug/L	10	4/08/13 9:28	4/23/13 21:06	EPA 8270D
39638-32-9	Bis(2-chloroisopropyl) ether	10	U	ug/L	10	4/08/13 9:28	4/23/13 21:06	EPA 8270D
117-81-7	Bis(2-ethylhexyl) phthalate	10	U	ug/L	10	4/08/13 9:28	4/23/13 21:06	EPA 8270D
105-60-2	Caprolactam	10	U	ug/L	10	4/08/13 9:28	4/23/13 21:06	EPA 8270D
86-74-8	Carbazole	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 21:06	EPA 8270D
218-01-9	Chrysene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 21:06	EPA 8270D
53-70-3	Dibenz(a,h)anthracene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 21:06	EPA 8270D
132-64-9	Dibenzofuran	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 21:06	EPA 8270D
84-66-2	Diethyl phthalate	10	U	ug/L	10	4/08/13 9:28	4/23/13 21:06	EPA 8270D
131-11-3	Dimethyl phthalate	10	U	ug/L	10	4/08/13 9:28	4/23/13 21:06	EPA 8270D
84-74-2	Di-n-butylphthalate	10	U	ug/L	10	4/08/13 9:28	4/23/13 21:06	EPA 8270D
117-84-0	Di-n-octylphthalate	10	U	ug/L	10	4/08/13 9:28	4/23/13 21:06	EPA 8270D
206-44-0	Fluoranthene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 21:06	EPA 8270D
86-73-7	Fluorene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 21:06	EPA 8270D
118-74-1	Hexachlorobenzene (HCB)	10	U, J, QM-1	ug/L	10	4/08/13 9:28	4/23/13 21:06	EPA 8270D
77-47-4	Hexachlorocyclopentadiene (HCCP)	10	U	ug/L	10	4/08/13 9:28	4/23/13 21:06	EPA 8270D
67-72-1	Hexachloroethane	10	U	ug/L	10	4/08/13 9:28	4/23/13 21:06	EPA 8270D
193-39-5	Indeno (1,2,3-cd) pyrene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 21:06	EPA 8270D

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Diana Burdette

Semi Volatile Organics

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-007-SW
Station ID: GML007
Lab ID: E131406-15
Matrix: Surface Water

Date Collected: 4/3/13 11:21

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
78-59-1	Isophorone	10	U	ug/L	10	4/08/13 9:28	4/23/13 21:06	EPA 8270D
91-20-3	Naphthalene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 21:06	EPA 8270D
98-95-3	Nitrobenzene	10	U	ug/L	10	4/08/13 9:28	4/23/13 21:06	EPA 8270D
621-64-7	n-Nitroso di-n-Propylamine	10	U	ug/L	10	4/08/13 9:28	4/23/13 21:06	EPA 8270D
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	10	U	ug/L	10	4/08/13 9:28	4/23/13 21:06	EPA 8270D
87-86-5	Pentachlorophenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 21:06	EPA 8270D
85-01-8	Phenanthrene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 21:06	EPA 8270D
108-95-2	Phenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 21:06	EPA 8270D
129-00-0	Pyrene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 21:06	EPA 8270D
Tentatively Identified Compounds:								
R4-0000	Tentatively Identified Compounds	10	U	ug/L	10	4/08/13 9:28	4/23/13 21:06	EPA 8270D

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Diana Burdette

Semi Volatile Organics

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-008-SF
Station ID: GML008
Lab ID: E131406-16
Matrix: Surface Soil

Date Collected: 4/3/13 12:30

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1319-77-3	(3-and/or 4-)Methylphenol	450	U	ug/kg dry	450	4/11/13 11:11	5/14/13 14:58	EPA 8270D
92-52-4	1,1-Biphenyl	45	U	ug/kg dry	45	4/11/13 11:11	5/14/13 14:58	EPA 8270D
90-12-0	1-Methylnaphthalene	45	U	ug/kg dry	45	4/11/13 11:11	5/14/13 14:58	EPA 8270D
58-90-2	2,3,4,6-Tetrachlorophenol	450	U	ug/kg dry	450	4/11/13 11:11	5/14/13 14:58	EPA 8270D
95-95-4	2,4,5-Trichlorophenol	450	U	ug/kg dry	450	4/11/13 11:11	5/14/13 14:58	EPA 8270D
88-06-2	2,4,6-Trichlorophenol	450	U	ug/kg dry	450	4/11/13 11:11	5/14/13 14:58	EPA 8270D
120-83-2	2,4-Dichlorophenol	450	U	ug/kg dry	450	4/11/13 11:11	5/14/13 14:58	EPA 8270D
105-67-9	2,4-Dimethylphenol	450	U	ug/kg dry	450	4/11/13 11:11	5/14/13 14:58	EPA 8270D
51-28-5	2,4-Dinitrophenol	450	U	ug/kg dry	450	4/11/13 11:11	5/14/13 14:58	EPA 8270D
121-14-2	2,4-Dinitrotoluene	450	U	ug/kg dry	450	4/11/13 11:11	5/14/13 14:58	EPA 8270D
606-20-2	2,6-Dinitrotoluene	450	U	ug/kg dry	450	4/11/13 11:11	5/14/13 14:58	EPA 8270D
91-58-7	2-Chloronaphthalene	450	U	ug/kg dry	450	4/11/13 11:11	5/14/13 14:58	EPA 8270D
95-57-8	2-Chlorophenol	450	U	ug/kg dry	450	4/11/13 11:11	5/14/13 14:58	EPA 8270D
534-52-1	2-Methyl-4,6-dinitrophenol	450	U	ug/kg dry	450	4/11/13 11:11	5/14/13 14:58	EPA 8270D
91-57-6	2-Methylnaphthalene	45	U	ug/kg dry	45	4/11/13 11:11	5/14/13 14:58	EPA 8270D
95-48-7	2-Methylphenol	450	U	ug/kg dry	450	4/11/13 11:11	5/14/13 14:58	EPA 8270D
88-74-4	2-Nitroaniline	450	U	ug/kg dry	450	4/11/13 11:11	5/14/13 14:58	EPA 8270D
88-75-5	2-Nitrophenol	450	U	ug/kg dry	450	4/11/13 11:11	5/14/13 14:58	EPA 8270D
91-94-1	3,3'-Dichlorobenzidine	450	U	ug/kg dry	450	4/11/13 11:11	5/14/13 14:58	EPA 8270D
99-09-2	3-Nitroaniline	450	U	ug/kg dry	450	4/11/13 11:11	5/14/13 14:58	EPA 8270D
101-55-3	4-Bromophenyl phenyl ether	450	U	ug/kg dry	450	4/11/13 11:11	5/14/13 14:58	EPA 8270D
59-50-7	4-Chloro-3-methylphenol	450	U	ug/kg dry	450	4/11/13 11:11	5/14/13 14:58	EPA 8270D
106-47-8	4-Chloroaniline	450	U	ug/kg dry	450	4/11/13 11:11	5/14/13 14:58	EPA 8270D
7005-72-3	4-Chlorophenyl phenyl ether	450	U	ug/kg dry	450	4/11/13 11:11	5/14/13 14:58	EPA 8270D
100-01-6	4-Nitroaniline	450	U	ug/kg dry	450	4/11/13 11:11	5/14/13 14:58	EPA 8270D
100-02-7	4-Nitrophenol	450	U	ug/kg dry	450	4/11/13 11:11	5/14/13 14:58	EPA 8270D
83-32-9	Acenaphthene	45	U	ug/kg dry	45	4/11/13 11:11	5/14/13 14:58	EPA 8270D
208-96-8	Acenaphthylene	45	U	ug/kg dry	45	4/11/13 11:11	5/14/13 14:58	EPA 8270D

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Diana Burdette

Semi Volatile Organics

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-008-SF
Station ID: GML008
Lab ID: E131406-16
Matrix: Surface Soil

Date Collected: 4/3/13 12:30

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
98-86-2	Acetophenone	450	U	ug/kg dry	450	4/11/13 11:11	5/14/13 14:58	EPA 8270D
120-12-7	Anthracene	45	U	ug/kg dry	45	4/11/13 11:11	5/14/13 14:58	EPA 8270D
1912-24-9	Atrazine	450	U	ug/kg dry	450	4/11/13 11:11	5/14/13 14:58	EPA 8270D
100-52-7	Benzaldehyde	100	J, Q-2, QL-2	ug/kg dry	450	4/11/13 11:11	5/14/13 14:58	EPA 8270D
56-55-3	Benzo(a)anthracene	45	U	ug/kg dry	45	4/11/13 11:11	5/14/13 14:58	EPA 8270D
50-32-8	Benzo(a)pyrene	45	U	ug/kg dry	45	4/11/13 11:11	5/14/13 14:58	EPA 8270D
205-99-2	Benzo(b)fluoranthene	45	U	ug/kg dry	45	4/11/13 11:11	5/14/13 14:58	EPA 8270D
191-24-2	Benzo(g,h,i)perylene	45	U	ug/kg dry	45	4/11/13 11:11	5/14/13 14:58	EPA 8270D
207-08-9	Benzo(k)fluoranthene	45	U	ug/kg dry	45	4/11/13 11:11	5/14/13 14:58	EPA 8270D
85-68-7	Benzyl butyl phthalate	450	U	ug/kg dry	450	4/11/13 11:11	5/14/13 14:58	EPA 8270D
111-91-1	Bis(2-chloroethoxy)methane	450	U	ug/kg dry	450	4/11/13 11:11	5/14/13 14:58	EPA 8270D
111-44-4	bis(2-Chloroethyl) Ether	450	U	ug/kg dry	450	4/11/13 11:11	5/14/13 14:58	EPA 8270D
39638-32-9	Bis(2-chloroisopropyl) ether	450	U	ug/kg dry	450	4/11/13 11:11	5/14/13 14:58	EPA 8270D
117-81-7	Bis(2-ethylhexyl) phthalate	450	U	ug/kg dry	450	4/11/13 11:11	5/14/13 14:58	EPA 8270D
105-60-2	Caprolactam	450	U	ug/kg dry	450	4/11/13 11:11	5/14/13 14:58	EPA 8270D
86-74-8	Carbazole	45	U	ug/kg dry	45	4/11/13 11:11	5/14/13 14:58	EPA 8270D
218-01-9	Chrysene	45	U	ug/kg dry	45	4/11/13 11:11	5/14/13 14:58	EPA 8270D
53-70-3	Dibenz(a,h)anthracene	45	U	ug/kg dry	45	4/11/13 11:11	5/14/13 14:58	EPA 8270D
132-64-9	Dibenzofuran	45	U	ug/kg dry	45	4/11/13 11:11	5/14/13 14:58	EPA 8270D
84-66-2	Diethyl phthalate	450	U	ug/kg dry	450	4/11/13 11:11	5/14/13 14:58	EPA 8270D
131-11-3	Dimethyl phthalate	450	U	ug/kg dry	450	4/11/13 11:11	5/14/13 14:58	EPA 8270D
84-74-2	Di-n-butylphthalate	450	U	ug/kg dry	450	4/11/13 11:11	5/14/13 14:58	EPA 8270D
117-84-0	Di-n-octylphthalate	450	U	ug/kg dry	450	4/11/13 11:11	5/14/13 14:58	EPA 8270D
206-44-0	Fluoranthene	45	U	ug/kg dry	45	4/11/13 11:11	5/14/13 14:58	EPA 8270D
86-73-7	Fluorene	45	U	ug/kg dry	45	4/11/13 11:11	5/14/13 14:58	EPA 8270D
118-74-1	Hexachlorobenzene (HCB)	45	U	ug/kg dry	45	4/11/13 11:11	5/14/13 14:58	EPA 8270D
77-47-4	Hexachlorocyclopentadiene (HCCP)	450	U	ug/kg dry	450	4/11/13 11:11	5/14/13 14:58	EPA 8270D
67-72-1	Hexachloroethane	450	U	ug/kg dry	450	4/11/13 11:11	5/14/13 14:58	EPA 8270D
193-39-5	Indeno (1,2,3-cd) pyrene	45	U	ug/kg dry	45	4/11/13 11:11	5/14/13 14:58	EPA 8270D

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Diana Burdette

Semi Volatile Organics

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-008-SF
Station ID: GML008
Lab ID: E131406-16
Matrix: Surface Soil

Date Collected: 4/3/13 12:30

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
78-59-1	Isophorone	450	U	ug/kg dry	450	4/11/13 11:11	5/14/13 14:58	EPA 8270D
91-20-3	Naphthalene	45	U	ug/kg dry	45	4/11/13 11:11	5/14/13 14:58	EPA 8270D
98-95-3	Nitrobenzene	450	U	ug/kg dry	450	4/11/13 11:11	5/14/13 14:58	EPA 8270D
621-64-7	n-Nitroso di-n-Propylamine	450	U	ug/kg dry	450	4/11/13 11:11	5/14/13 14:58	EPA 8270D
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	450	U	ug/kg dry	450	4/11/13 11:11	5/14/13 14:58	EPA 8270D
87-86-5	Pentachlorophenol	450	U	ug/kg dry	450	4/11/13 11:11	5/14/13 14:58	EPA 8270D
85-01-8	Phenanthrene	45	U	ug/kg dry	45	4/11/13 11:11	5/14/13 14:58	EPA 8270D
108-95-2	Phenol	450	U	ug/kg dry	450	4/11/13 11:11	5/14/13 14:58	EPA 8270D
129-00-0	Pyrene	45	U	ug/kg dry	45	4/11/13 11:11	5/14/13 14:58	EPA 8270D
Tentatively Identified Compounds:								
R4-6543	Hexadecanoic acid, methyl ester (TIC)	500	NJ	ug/kg dry		4/11/13 11:11	5/14/13 14:58	EPA 8270D
R4-8000282	Octadecadienoic acid (TIC)	900	NJ	ug/kg dry		4/11/13 11:11	5/14/13 14:58	EPA 8270D
R4-6500	Petroleum Product:		N			11:11 11:11	5/14/13 14:58	EPA 8270D
R4-6521	Sitosterol (TIC)	2000	NJ	ug/kg dry		4/11/13 11:11	5/14/13 14:58	EPA 8270D

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
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D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Diana Burdette

Semi Volatile Organics

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-009-SF
Station ID: GML009
Lab ID: E131406-17
Matrix: Surface Soil

Date Collected: 4/3/13 11:34

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1319-77-3	(3-and/or 4-)Methylphenol	1600	U	ug/kg dry	1600	4/11/13 11:11	5/16/13 10:58	EPA 8270D
92-52-4	1,1-Biphenyl	400		ug/kg dry	160	4/11/13 11:11	5/16/13 10:58	EPA 8270D
90-12-0	1-Methylnaphthalene	160	U	ug/kg dry	160	4/11/13 11:11	5/16/13 10:58	EPA 8270D
58-90-2	2,3,4,6-Tetrachlorophenol	1600	U	ug/kg dry	1600	4/11/13 11:11	5/16/13 10:58	EPA 8270D
95-95-4	2,4,5-Trichlorophenol	1600	U	ug/kg dry	1600	4/11/13 11:11	5/16/13 10:58	EPA 8270D
88-06-2	2,4,6-Trichlorophenol	1600	U	ug/kg dry	1600	4/11/13 11:11	5/16/13 10:58	EPA 8270D
120-83-2	2,4-Dichlorophenol	1600	U	ug/kg dry	1600	4/11/13 11:11	5/16/13 10:58	EPA 8270D
105-67-9	2,4-Dimethylphenol	1600	U	ug/kg dry	1600	4/11/13 11:11	5/16/13 10:58	EPA 8270D
51-28-5	2,4-Dinitrophenol	1600	U	ug/kg dry	1600	4/11/13 11:11	5/16/13 10:58	EPA 8270D
121-14-2	2,4-Dinitrotoluene	1600	U	ug/kg dry	1600	4/11/13 11:11	5/16/13 10:58	EPA 8270D
606-20-2	2,6-Dinitrotoluene	1600	U	ug/kg dry	1600	4/11/13 11:11	5/16/13 10:58	EPA 8270D
91-58-7	2-Chloronaphthalene	1600	U	ug/kg dry	1600	4/11/13 11:11	5/16/13 10:58	EPA 8270D
95-57-8	2-Chlorophenol	1600	U	ug/kg dry	1600	4/11/13 11:11	5/16/13 10:58	EPA 8270D
534-52-1	2-Methyl-4,6-dinitrophenol	1600	U	ug/kg dry	1600	4/11/13 11:11	5/16/13 10:58	EPA 8270D
91-57-6	2-Methylnaphthalene	160	U	ug/kg dry	160	4/11/13 11:11	5/16/13 10:58	EPA 8270D
95-48-7	2-Methylphenol	1600	U	ug/kg dry	1600	4/11/13 11:11	5/16/13 10:58	EPA 8270D
88-74-4	2-Nitroaniline	1600	U	ug/kg dry	1600	4/11/13 11:11	5/16/13 10:58	EPA 8270D
88-75-5	2-Nitrophenol	1600	U	ug/kg dry	1600	4/11/13 11:11	5/16/13 10:58	EPA 8270D
91-94-1	3,3'-Dichlorobenzidine	1600	U	ug/kg dry	1600	4/11/13 11:11	5/16/13 10:58	EPA 8270D
99-09-2	3-Nitroaniline	1600	U	ug/kg dry	1600	4/11/13 11:11	5/16/13 10:58	EPA 8270D
101-55-3	4-Bromophenyl phenyl ether	1600	U	ug/kg dry	1600	4/11/13 11:11	5/16/13 10:58	EPA 8270D
59-50-7	4-Chloro-3-methylphenol	1600	U	ug/kg dry	1600	4/11/13 11:11	5/16/13 10:58	EPA 8270D
106-47-8	4-Chloroaniline	1600	U	ug/kg dry	1600	4/11/13 11:11	5/16/13 10:58	EPA 8270D
7005-72-3	4-Chlorophenyl phenyl ether	1600	U	ug/kg dry	1600	4/11/13 11:11	5/16/13 10:58	EPA 8270D
100-01-6	4-Nitroaniline	1600	U	ug/kg dry	1600	4/11/13 11:11	5/16/13 10:58	EPA 8270D
100-02-7	4-Nitrophenol	1600	U	ug/kg dry	1600	4/11/13 11:11	5/16/13 10:58	EPA 8270D
83-32-9	Acenaphthene	160	U	ug/kg dry	160	4/11/13 11:11	5/16/13 10:58	EPA 8270D
208-96-8	Acenaphthylene	160	U	ug/kg dry	160	4/11/13 11:11	5/16/13 10:58	EPA 8270D

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
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980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Diana Burdette

Semi Volatile Organics

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-009-SF
Station ID: GML009
Lab ID: E131406-17
Matrix: Surface Soil

Date Collected: 4/3/13 11:34

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
98-86-2	Acetophenone	1600	U	ug/kg dry	1600	4/11/13 11:11	5/16/13 10:58	EPA 8270D
120-12-7	Anthracene	210		ug/kg dry	160	4/11/13 11:11	5/16/13 10:58	EPA 8270D
1912-24-9	Atrazine	1600	U	ug/kg dry	1600	4/11/13 11:11	5/16/13 10:58	EPA 8270D
100-52-7	Benzaldehyde	270	J, Q-2, QL-2	ug/kg dry	1600	4/11/13 11:11	5/16/13 10:58	EPA 8270D
56-55-3	Benzo(a)anthracene	1000		ug/kg dry	160	4/11/13 11:11	5/16/13 10:58	EPA 8270D
50-32-8	Benzo(a)pyrene	480	J, QI-1	ug/kg dry	160	4/11/13 11:11	5/16/13 10:58	EPA 8270D
205-99-2	Benzo(b)fluoranthene	750	J, QI-1	ug/kg dry	160	4/11/13 11:11	5/16/13 10:58	EPA 8270D
191-24-2	Benzo(g,h,i)perylene	270	J, QI-1	ug/kg dry	160	4/11/13 11:11	5/16/13 10:58	EPA 8270D
207-08-9	Benzo(k)fluoranthene	640	J, QI-1	ug/kg dry	160	4/11/13 11:11	5/16/13 10:58	EPA 8270D
85-68-7	Benzyl butyl phthalate	1600	U	ug/kg dry	1600	4/11/13 11:11	5/16/13 10:58	EPA 8270D
111-91-1	Bis(2-chloroethoxy)methane	1600	U	ug/kg dry	1600	4/11/13 11:11	5/16/13 10:58	EPA 8270D
111-44-4	bis(2-Chloroethyl) Ether	1600	U	ug/kg dry	1600	4/11/13 11:11	5/16/13 10:58	EPA 8270D
39638-32-9	Bis(2-chloroisopropyl) ether	1600	U	ug/kg dry	1600	4/11/13 11:11	5/16/13 10:58	EPA 8270D
117-81-7	Bis(2-ethylhexyl) phthalate	1600	U	ug/kg dry	1600	4/11/13 11:11	5/16/13 10:58	EPA 8270D
105-60-2	Caprolactam	1600	U	ug/kg dry	1600	4/11/13 11:11	5/16/13 10:58	EPA 8270D
86-74-8	Carbazole	160	U	ug/kg dry	160	4/11/13 11:11	5/16/13 10:58	EPA 8270D
218-01-9	Chrysene	1000		ug/kg dry	160	4/11/13 11:11	5/16/13 10:58	EPA 8270D
53-70-3	Dibenz(a,h)anthracene	160	U, J, QI-1	ug/kg dry	160	4/11/13 11:11	5/16/13 10:58	EPA 8270D
132-64-9	Dibenzofuran	160	U	ug/kg dry	160	4/11/13 11:11	5/16/13 10:58	EPA 8270D
84-66-2	Diethyl phthalate	1600	U	ug/kg dry	1600	4/11/13 11:11	5/16/13 10:58	EPA 8270D
131-11-3	Dimethyl phthalate	1600	U	ug/kg dry	1600	4/11/13 11:11	5/16/13 10:58	EPA 8270D
84-74-2	Di-n-butylphthalate	1600	U	ug/kg dry	1600	4/11/13 11:11	5/16/13 10:58	EPA 8270D
117-84-0	Di-n-octylphthalate	1600	U	ug/kg dry	1600	4/11/13 11:11	5/16/13 10:58	EPA 8270D
206-44-0	Fluoranthene	2500		ug/kg dry	160	4/11/13 11:11	5/16/13 10:58	EPA 8270D
86-73-7	Fluorene	160	U	ug/kg dry	160	4/11/13 11:11	5/16/13 10:58	EPA 8270D
118-74-1	Hexachlorobenzene (HCB)	160	U	ug/kg dry	160	4/11/13 11:11	5/16/13 10:58	EPA 8270D
77-47-4	Hexachlorocyclopentadiene (HCCP)	1600	U	ug/kg dry	1600	4/11/13 11:11	5/16/13 10:58	EPA 8270D
67-72-1	Hexachloroethane	1600	U	ug/kg dry	1600	4/11/13 11:11	5/16/13 10:58	EPA 8270D
193-39-5	Indeno (1,2,3-cd) pyrene	160	U, J, QI-1	ug/kg dry	160	4/11/13 11:11	5/16/13 10:58	EPA 8270D

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D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Diana Burdette

Semi Volatile Organics

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-009-SF
Station ID: GML009
Lab ID: E131406-17
Matrix: Surface Soil

Date Collected: 4/3/13 11:34

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
78-59-1	Isophorone	1600	U	ug/kg dry	1600	4/11/13 11:11	5/16/13 10:58	EPA 8270D
91-20-3	Naphthalene	160	U	ug/kg dry	160	4/11/13 11:11	5/16/13 10:58	EPA 8270D
98-95-3	Nitrobenzene	300	J, Q-2	ug/kg dry	1600	4/11/13 11:11	5/16/13 10:58	EPA 8270D
621-64-7	n-Nitroso di-n-Propylamine	1600	U	ug/kg dry	1600	4/11/13 11:11	5/16/13 10:58	EPA 8270D
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	1600	U	ug/kg dry	1600	4/11/13 11:11	5/16/13 10:58	EPA 8270D
87-86-5	Pentachlorophenol	360	J, Q-2	ug/kg dry	1600	4/11/13 11:11	5/16/13 10:58	EPA 8270D
85-01-8	Phenanthrene	890		ug/kg dry	160	4/11/13 11:11	5/16/13 10:58	EPA 8270D
108-95-2	Phenol	1600	U	ug/kg dry	1600	4/11/13 11:11	5/16/13 10:58	EPA 8270D
129-00-0	Pyrene	2600		ug/kg dry	160	4/11/13 11:11	5/16/13 10:58	EPA 8270D
Tentatively Identified Compounds:								
R4-6500	Petroleum Product:		N			11:11 11:11	5/16/13 10:58	EPA 8270D
R4-6501	Unidentified Compounds	20000	J	ug/kg dry		4/11/13 11:11	5/16/13 10:58	EPA 8270D

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Diana Burdette

Semi Volatile Organics

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-010-SF
Station ID: GML010
Lab ID: E131406-18
Matrix: Surface Soil

Date Collected: 4/3/13 11:45

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1319-77-3	(3-and/or 4-)Methylphenol	460	J, Q-2	ug/kg dry	4400	4/11/13 11:11	5/21/13 3:18	EPA 8270D
92-52-4	1,1-Biphenyl	2300		ug/kg dry	440	4/11/13 11:11	5/21/13 3:18	EPA 8270D
90-12-0	1-Methylnaphthalene	440	U	ug/kg dry	440	4/11/13 11:11	5/21/13 3:18	EPA 8270D
58-90-2	2,3,4,6-Tetrachlorophenol	4400	U	ug/kg dry	4400	4/11/13 11:11	5/21/13 3:18	EPA 8270D
95-95-4	2,4,5-Trichlorophenol	4400	U	ug/kg dry	4400	4/11/13 11:11	5/21/13 3:18	EPA 8270D
88-06-2	2,4,6-Trichlorophenol	4400	U	ug/kg dry	4400	4/11/13 11:11	5/21/13 3:18	EPA 8270D
120-83-2	2,4-Dichlorophenol	4400	U	ug/kg dry	4400	4/11/13 11:11	5/21/13 3:18	EPA 8270D
105-67-9	2,4-Dimethylphenol	4400	U	ug/kg dry	4400	4/11/13 11:11	5/21/13 3:18	EPA 8270D
51-28-5	2,4-Dinitrophenol	4400	U	ug/kg dry	4400	4/11/13 11:11	5/21/13 3:18	EPA 8270D
121-14-2	2,4-Dinitrotoluene	4400	U	ug/kg dry	4400	4/11/13 11:11	5/21/13 3:18	EPA 8270D
606-20-2	2,6-Dinitrotoluene	4400	U	ug/kg dry	4400	4/11/13 11:11	5/21/13 3:18	EPA 8270D
91-58-7	2-Chloronaphthalene	4400	U	ug/kg dry	4400	4/11/13 11:11	5/21/13 3:18	EPA 8270D
95-57-8	2-Chlorophenol	4400	U	ug/kg dry	4400	4/11/13 11:11	5/21/13 3:18	EPA 8270D
534-52-1	2-Methyl-4,6-dinitrophenol	4400	U	ug/kg dry	4400	4/11/13 11:11	5/21/13 3:18	EPA 8270D
91-57-6	2-Methylnaphthalene	440	U	ug/kg dry	440	4/11/13 11:11	5/21/13 3:18	EPA 8270D
95-48-7	2-Methylphenol	4400	U	ug/kg dry	4400	4/11/13 11:11	5/21/13 3:18	EPA 8270D
88-74-4	2-Nitroaniline	4400	U	ug/kg dry	4400	4/11/13 11:11	5/21/13 3:18	EPA 8270D
88-75-5	2-Nitrophenol	4400	U	ug/kg dry	4400	4/11/13 11:11	5/21/13 3:18	EPA 8270D
91-94-1	3,3'-Dichlorobenzidine	4400	U	ug/kg dry	4400	4/11/13 11:11	5/21/13 3:18	EPA 8270D
99-09-2	3-Nitroaniline	4400	U	ug/kg dry	4400	4/11/13 11:11	5/21/13 3:18	EPA 8270D
101-55-3	4-Bromophenyl phenyl ether	4400	U	ug/kg dry	4400	4/11/13 11:11	5/21/13 3:18	EPA 8270D
59-50-7	4-Chloro-3-methylphenol	4400	U	ug/kg dry	4400	4/11/13 11:11	5/21/13 3:18	EPA 8270D
106-47-8	4-Chloroaniline	4400	U	ug/kg dry	4400	4/11/13 11:11	5/21/13 3:18	EPA 8270D
7005-72-3	4-Chlorophenyl phenyl ether	4400	U	ug/kg dry	4400	4/11/13 11:11	5/21/13 3:18	EPA 8270D
100-01-6	4-Nitroaniline	4400	U	ug/kg dry	4400	4/11/13 11:11	5/21/13 3:18	EPA 8270D
100-02-7	4-Nitrophenol	4400	U	ug/kg dry	4400	4/11/13 11:11	5/21/13 3:18	EPA 8270D
83-32-9	Acenaphthene	440	U	ug/kg dry	440	4/11/13 11:11	5/21/13 3:18	EPA 8270D
208-96-8	Acenaphthylene	440	U	ug/kg dry	440	4/11/13 11:11	5/21/13 3:18	EPA 8270D

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D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Diana Burdette

Semi Volatile Organics

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-010-SF
Station ID: GML010
Lab ID: E131406-18
Matrix: Surface Soil

Date Collected: 4/3/13 11:45

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
98-86-2	Acetophenone	1400	J, Q-2	ug/kg dry	4400	4/11/13 11:11	5/21/13 3:18	EPA 8270D
120-12-7	Anthracene	510		ug/kg dry	440	4/11/13 11:11	5/21/13 3:18	EPA 8270D
1912-24-9	Atrazine	4400	U	ug/kg dry	4400	4/11/13 11:11	5/21/13 3:18	EPA 8270D
100-52-7	Benzaldehyde	2600	J, QL-2, Q-2, QC-2	ug/kg dry	4400	4/11/13 11:11	5/21/13 3:18	EPA 8270D
56-55-3	Benzo(a)anthracene	1200		ug/kg dry	440	4/11/13 11:11	5/21/13 3:18	EPA 8270D
50-32-8	Benzo(a)pyrene	1200		ug/kg dry	440	4/11/13 11:11	5/21/13 3:18	EPA 8270D
205-99-2	Benzo(b)fluoranthene	2100		ug/kg dry	440	4/11/13 11:11	5/21/13 3:18	EPA 8270D
191-24-2	Benzo(g,h,i)perylene	1100		ug/kg dry	440	4/11/13 11:11	5/21/13 3:18	EPA 8270D
207-08-9	Benzo(k)fluoranthene	1500		ug/kg dry	440	4/11/13 11:11	5/21/13 3:18	EPA 8270D
85-68-7	Benzyl butyl phthalate	4400	U	ug/kg dry	4400	4/11/13 11:11	5/21/13 3:18	EPA 8270D
111-91-1	Bis(2-chloroethoxy)methane	4400	U	ug/kg dry	4400	4/11/13 11:11	5/21/13 3:18	EPA 8270D
111-44-4	bis(2-Chloroethyl) Ether	4400	U	ug/kg dry	4400	4/11/13 11:11	5/21/13 3:18	EPA 8270D
39638-32-9	Bis(2-chloroisopropyl) ether	4400	U	ug/kg dry	4400	4/11/13 11:11	5/21/13 3:18	EPA 8270D
117-81-7	Bis(2-ethylhexyl) phthalate	4400	U	ug/kg dry	4400	4/11/13 11:11	5/21/13 3:18	EPA 8270D
105-60-2	Caprolactam	4400	U	ug/kg dry	4400	4/11/13 11:11	5/21/13 3:18	EPA 8270D
86-74-8	Carbazole	440	U	ug/kg dry	440	4/11/13 11:11	5/21/13 3:18	EPA 8270D
218-01-9	Chrysene	2300		ug/kg dry	440	4/11/13 11:11	5/21/13 3:18	EPA 8270D
53-70-3	Dibenz(a,h)anthracene	610		ug/kg dry	440	4/11/13 11:11	5/21/13 3:18	EPA 8270D
132-64-9	Dibenzofuran	440	U	ug/kg dry	440	4/11/13 11:11	5/21/13 3:18	EPA 8270D
84-66-2	Diethyl phthalate	4400	U	ug/kg dry	4400	4/11/13 11:11	5/21/13 3:18	EPA 8270D
131-11-3	Dimethyl phthalate	4400	U	ug/kg dry	4400	4/11/13 11:11	5/21/13 3:18	EPA 8270D
84-74-2	Di-n-butylphthalate	4400	U	ug/kg dry	4400	4/11/13 11:11	5/21/13 3:18	EPA 8270D
117-84-0	Di-n-octylphthalate	4400	U	ug/kg dry	4400	4/11/13 11:11	5/21/13 3:18	EPA 8270D
206-44-0	Fluoranthene	1600		ug/kg dry	440	4/11/13 11:11	5/21/13 3:18	EPA 8270D
86-73-7	Fluorene	440	U	ug/kg dry	440	4/11/13 11:11	5/21/13 3:18	EPA 8270D
118-74-1	Hexachlorobenzene (HCB)	440	U	ug/kg dry	440	4/11/13 11:11	5/21/13 3:18	EPA 8270D
77-47-4	Hexachlorocyclopentadiene (HCCP)	4400	U	ug/kg dry	4400	4/11/13 11:11	5/21/13 3:18	EPA 8270D
67-72-1	Hexachloroethane	4400	U	ug/kg dry	4400	4/11/13 11:11	5/21/13 3:18	EPA 8270D

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Semi Volatile Organics

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-010-SF
Station ID: GML010
Lab ID: E131406-18
Matrix: Surface Soil

Date Collected: 4/3/13 11:45

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
193-39-5	Indeno (1,2,3-cd) pyrene	940		ug/kg dry	440	4/11/13 11:11	5/21/13 3:18	EPA 8270D
78-59-1	Isophorone	4400	U	ug/kg dry	4400	4/11/13 11:11	5/21/13 3:18	EPA 8270D
91-20-3	Naphthalene	500		ug/kg dry	440	4/11/13 11:11	5/21/13 3:18	EPA 8270D
98-95-3	Nitrobenzene	4400	U	ug/kg dry	4400	4/11/13 11:11	5/21/13 3:18	EPA 8270D
621-64-7	n-Nitroso di-n-Propylamine	4400	U	ug/kg dry	4400	4/11/13 11:11	5/21/13 3:18	EPA 8270D
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	4400	U	ug/kg dry	4400	4/11/13 11:11	5/21/13 3:18	EPA 8270D
87-86-5	Pentachlorophenol	4400	U	ug/kg dry	4400	4/11/13 11:11	5/21/13 3:18	EPA 8270D
85-01-8	Phenanthrene	2100		ug/kg dry	440	4/11/13 11:11	5/21/13 3:18	EPA 8270D
108-95-2	Phenol	2400	J, Q-2	ug/kg dry	4400	4/11/13 11:11	5/21/13 3:18	EPA 8270D
129-00-0	Pyrene	2200	J, QC-2	ug/kg dry	440	4/11/13 11:11	5/21/13 3:18	EPA 8270D
Tentatively Identified Compounds:								
R4-6608	*Anthracenedione (TIC)*	*10000*	*NJ*	*ug/kg dry*		4/11/13 11:11	5/21/13 3:18	EPA 8270D
R4-6503	Benzoic acid (TIC)	30000	NJ	ug/kg dry		4/11/13 11:11	5/21/13 3:18	EPA 8270D
R4-8001174	Benzoic acid, butyl ester (TIC)	10000	NJ	ug/kg dry		4/11/13 11:11	5/21/13 3:18	EPA 8270D
R4-8000371	Tetramethylbutylphenol (TIC)	20000	NJ	ug/kg dry		4/11/13 11:11	5/21/13 3:18	EPA 8270D
R4-6501	Unidentified Compounds	200000	J	ug/kg dry		4/11/13 11:11	5/21/13 3:18	EPA 8270D

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D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Diana Burdette

Semi Volatile Organics

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-011-SF
Station ID: GML011
Lab ID: E131406-19
Matrix: Surface Soil

Date Collected: 4/3/13 12:08

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1319-77-3	(3-and/or 4-)Methylphenol	430	U	ug/kg dry	430	4/11/13 11:11	5/14/13 18:19	EPA 8270D
92-52-4	1,1-Biphenyl	43	U	ug/kg dry	43	4/11/13 11:11	5/14/13 18:19	EPA 8270D
90-12-0	1-Methylnaphthalene	43	U	ug/kg dry	43	4/11/13 11:11	5/14/13 18:19	EPA 8270D
58-90-2	2,3,4,6-Tetrachlorophenol	430	U	ug/kg dry	430	4/11/13 11:11	5/14/13 18:19	EPA 8270D
95-95-4	2,4,5-Trichlorophenol	430	U	ug/kg dry	430	4/11/13 11:11	5/14/13 18:19	EPA 8270D
88-06-2	2,4,6-Trichlorophenol	430	U	ug/kg dry	430	4/11/13 11:11	5/14/13 18:19	EPA 8270D
120-83-2	2,4-Dichlorophenol	430	U	ug/kg dry	430	4/11/13 11:11	5/14/13 18:19	EPA 8270D
105-67-9	2,4-Dimethylphenol	430	U	ug/kg dry	430	4/11/13 11:11	5/14/13 18:19	EPA 8270D
51-28-5	2,4-Dinitrophenol	430	U	ug/kg dry	430	4/11/13 11:11	5/14/13 18:19	EPA 8270D
121-14-2	2,4-Dinitrotoluene	430	U	ug/kg dry	430	4/11/13 11:11	5/14/13 18:19	EPA 8270D
606-20-2	2,6-Dinitrotoluene	430	U	ug/kg dry	430	4/11/13 11:11	5/14/13 18:19	EPA 8270D
91-58-7	2-Chloronaphthalene	430	U	ug/kg dry	430	4/11/13 11:11	5/14/13 18:19	EPA 8270D
95-57-8	2-Chlorophenol	430	U	ug/kg dry	430	4/11/13 11:11	5/14/13 18:19	EPA 8270D
534-52-1	2-Methyl-4,6-dinitrophenol	430	U	ug/kg dry	430	4/11/13 11:11	5/14/13 18:19	EPA 8270D
91-57-6	2-Methylnaphthalene	43	U	ug/kg dry	43	4/11/13 11:11	5/14/13 18:19	EPA 8270D
95-48-7	2-Methylphenol	430	U	ug/kg dry	430	4/11/13 11:11	5/14/13 18:19	EPA 8270D
88-74-4	2-Nitroaniline	430	U	ug/kg dry	430	4/11/13 11:11	5/14/13 18:19	EPA 8270D
88-75-5	2-Nitrophenol	430	U	ug/kg dry	430	4/11/13 11:11	5/14/13 18:19	EPA 8270D
91-94-1	3,3'-Dichlorobenzidine	430	U	ug/kg dry	430	4/11/13 11:11	5/14/13 18:19	EPA 8270D
99-09-2	3-Nitroaniline	430	U	ug/kg dry	430	4/11/13 11:11	5/14/13 18:19	EPA 8270D
101-55-3	4-Bromophenyl phenyl ether	430	U	ug/kg dry	430	4/11/13 11:11	5/14/13 18:19	EPA 8270D
59-50-7	4-Chloro-3-methylphenol	430	U	ug/kg dry	430	4/11/13 11:11	5/14/13 18:19	EPA 8270D
106-47-8	4-Chloroaniline	430	U	ug/kg dry	430	4/11/13 11:11	5/14/13 18:19	EPA 8270D
7005-72-3	4-Chlorophenyl phenyl ether	430	U	ug/kg dry	430	4/11/13 11:11	5/14/13 18:19	EPA 8270D
100-01-6	4-Nitroaniline	430	U	ug/kg dry	430	4/11/13 11:11	5/14/13 18:19	EPA 8270D
100-02-7	4-Nitrophenol	430	U	ug/kg dry	430	4/11/13 11:11	5/14/13 18:19	EPA 8270D
83-32-9	Acenaphthene	43	U	ug/kg dry	43	4/11/13 11:11	5/14/13 18:19	EPA 8270D
208-96-8	Acenaphthylene	43	U	ug/kg dry	43	4/11/13 11:11	5/14/13 18:19	EPA 8270D

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Semi Volatile Organics

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-011-SF
Station ID: GML011
Lab ID: E131406-19
Matrix: Surface Soil

Date Collected: 4/3/13 12:08

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
98-86-2	Acetophenone	430	U	ug/kg dry	430	4/11/13 11:11	5/14/13 18:19	EPA 8270D
120-12-7	Anthracene	43	U	ug/kg dry	43	4/11/13 11:11	5/14/13 18:19	EPA 8270D
1912-24-9	Atrazine	430	U	ug/kg dry	430	4/11/13 11:11	5/14/13 18:19	EPA 8270D
100-52-7	Benzaldehyde	430	U	ug/kg dry	430	4/11/13 11:11	5/14/13 18:19	EPA 8270D
56-55-3	Benzo(a)anthracene	43	U	ug/kg dry	43	4/11/13 11:11	5/14/13 18:19	EPA 8270D
50-32-8	Benzo(a)pyrene	43	U	ug/kg dry	43	4/11/13 11:11	5/14/13 18:19	EPA 8270D
205-99-2	Benzo(b)fluoranthene	43	U	ug/kg dry	43	4/11/13 11:11	5/14/13 18:19	EPA 8270D
191-24-2	Benzo(g,h,i)perylene	43	U	ug/kg dry	43	4/11/13 11:11	5/14/13 18:19	EPA 8270D
207-08-9	Benzo(k)fluoranthene	43	U	ug/kg dry	43	4/11/13 11:11	5/14/13 18:19	EPA 8270D
85-68-7	Benzyl butyl phthalate	430	U	ug/kg dry	430	4/11/13 11:11	5/14/13 18:19	EPA 8270D
111-91-1	Bis(2-chloroethoxy)methane	430	U	ug/kg dry	430	4/11/13 11:11	5/14/13 18:19	EPA 8270D
111-44-4	bis(2-Chloroethyl) Ether	430	U	ug/kg dry	430	4/11/13 11:11	5/14/13 18:19	EPA 8270D
39638-32-9	Bis(2-chloroisopropyl) ether	430	U	ug/kg dry	430	4/11/13 11:11	5/14/13 18:19	EPA 8270D
117-81-7	Bis(2-ethylhexyl) phthalate	430	U	ug/kg dry	430	4/11/13 11:11	5/14/13 18:19	EPA 8270D
105-60-2	Caprolactam	430	U	ug/kg dry	430	4/11/13 11:11	5/14/13 18:19	EPA 8270D
86-74-8	Carbazole	43	U	ug/kg dry	43	4/11/13 11:11	5/14/13 18:19	EPA 8270D
218-01-9	Chrysene	43	U	ug/kg dry	43	4/11/13 11:11	5/14/13 18:19	EPA 8270D
53-70-3	Dibenz(a,h)anthracene	43	U	ug/kg dry	43	4/11/13 11:11	5/14/13 18:19	EPA 8270D
132-64-9	Dibenzofuran	43	U	ug/kg dry	43	4/11/13 11:11	5/14/13 18:19	EPA 8270D
84-66-2	Diethyl phthalate	430	U	ug/kg dry	430	4/11/13 11:11	5/14/13 18:19	EPA 8270D
131-11-3	Dimethyl phthalate	430	U	ug/kg dry	430	4/11/13 11:11	5/14/13 18:19	EPA 8270D
84-74-2	Di-n-butylphthalate	430	U	ug/kg dry	430	4/11/13 11:11	5/14/13 18:19	EPA 8270D
117-84-0	Di-n-octylphthalate	430	U	ug/kg dry	430	4/11/13 11:11	5/14/13 18:19	EPA 8270D
206-44-0	Fluoranthene	43	U	ug/kg dry	43	4/11/13 11:11	5/14/13 18:19	EPA 8270D
86-73-7	Fluorene	43	U	ug/kg dry	43	4/11/13 11:11	5/14/13 18:19	EPA 8270D
118-74-1	Hexachlorobenzene (HCB)	43	U	ug/kg dry	43	4/11/13 11:11	5/14/13 18:19	EPA 8270D
77-47-4	Hexachlorocyclopentadiene (HCCP)	430	U	ug/kg dry	430	4/11/13 11:11	5/14/13 18:19	EPA 8270D
67-72-1	Hexachloroethane	430	U	ug/kg dry	430	4/11/13 11:11	5/14/13 18:19	EPA 8270D
193-39-5	Indeno (1,2,3-cd) pyrene	43	U	ug/kg dry	43	4/11/13 11:11	5/14/13 18:19	EPA 8270D

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D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Diana Burdette

Semi Volatile Organics

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-011-SF
Station ID: GML011
Lab ID: E131406-19
Matrix: Surface Soil

Date Collected: 4/3/13 12:08

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
78-59-1	Isophorone	430	U	ug/kg dry	430	4/11/13 11:11	5/14/13 18:19	EPA 8270D
91-20-3	Naphthalene	43	U	ug/kg dry	43	4/11/13 11:11	5/14/13 18:19	EPA 8270D
98-95-3	Nitrobenzene	430	U	ug/kg dry	430	4/11/13 11:11	5/14/13 18:19	EPA 8270D
621-64-7	n-Nitroso di-n-Propylamine	430	U	ug/kg dry	430	4/11/13 11:11	5/14/13 18:19	EPA 8270D
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	430	U	ug/kg dry	430	4/11/13 11:11	5/14/13 18:19	EPA 8270D
87-86-5	Pentachlorophenol	430	U	ug/kg dry	430	4/11/13 11:11	5/14/13 18:19	EPA 8270D
85-01-8	Phenanthrene	43	U	ug/kg dry	43	4/11/13 11:11	5/14/13 18:19	EPA 8270D
108-95-2	Phenol	430	U	ug/kg dry	430	4/11/13 11:11	5/14/13 18:19	EPA 8270D
129-00-0	Pyrene	43	U	ug/kg dry	43	4/11/13 11:11	5/14/13 18:19	EPA 8270D
Tentatively Identified Compounds:								
R4-6510	Hexadecanoic acid (TIC)	700	NJ	ug/kg dry		4/11/13 11:11	5/14/13 18:19	EPA 8270D
R4-8000992	Hexadecatrienoic acid, methyl ester (TIC)	600	NJ	ug/kg dry		4/11/13 11:11	5/14/13 18:19	EPA 8270D
R4-6545	Octadecenoic acid, methyl ester (TIC)	3000	NJ	ug/kg dry		4/11/13 11:11	5/14/13 18:19	EPA 8270D
R4-6500	Petroleum Product:		N			11:11 11:11	5/14/13 18:19	EPA 8270D
R4-6501	Unidentified Compounds	700	J	ug/kg dry		4/11/13 11:11	5/14/13 18:19	EPA 8270D

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Diana Burdette

Semi Volatile Organics

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-012-SF
Station ID: GML012
Lab ID: E131406-20
Matrix: Surface Soil

Date Collected: 4/3/13 12:15

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1319-77-3	(3-and/or 4-)Methylphenol	960	U	ug/kg dry	960	4/11/13 11:11	5/16/13 9:17	EPA 8270D
92-52-4	1,1-Biphenyl	96	U	ug/kg dry	96	4/11/13 11:11	5/16/13 9:17	EPA 8270D
90-12-0	1-Methylnaphthalene	96	U	ug/kg dry	96	4/11/13 11:11	5/16/13 9:17	EPA 8270D
58-90-2	2,3,4,6-Tetrachlorophenol	960	U	ug/kg dry	960	4/11/13 11:11	5/16/13 9:17	EPA 8270D
95-95-4	2,4,5-Trichlorophenol	960	U	ug/kg dry	960	4/11/13 11:11	5/16/13 9:17	EPA 8270D
88-06-2	2,4,6-Trichlorophenol	960	U	ug/kg dry	960	4/11/13 11:11	5/16/13 9:17	EPA 8270D
120-83-2	2,4-Dichlorophenol	960	U	ug/kg dry	960	4/11/13 11:11	5/16/13 9:17	EPA 8270D
105-67-9	2,4-Dimethylphenol	960	U	ug/kg dry	960	4/11/13 11:11	5/16/13 9:17	EPA 8270D
51-28-5	2,4-Dinitrophenol	960	U	ug/kg dry	960	4/11/13 11:11	5/16/13 9:17	EPA 8270D
121-14-2	2,4-Dinitrotoluene	960	U	ug/kg dry	960	4/11/13 11:11	5/16/13 9:17	EPA 8270D
606-20-2	2,6-Dinitrotoluene	960	U	ug/kg dry	960	4/11/13 11:11	5/16/13 9:17	EPA 8270D
91-58-7	2-Chloronaphthalene	960	U	ug/kg dry	960	4/11/13 11:11	5/16/13 9:17	EPA 8270D
95-57-8	2-Chlorophenol	960	U	ug/kg dry	960	4/11/13 11:11	5/16/13 9:17	EPA 8270D
534-52-1	2-Methyl-4,6-dinitrophenol	960	U	ug/kg dry	960	4/11/13 11:11	5/16/13 9:17	EPA 8270D
91-57-6	2-Methylnaphthalene	96	U	ug/kg dry	96	4/11/13 11:11	5/16/13 9:17	EPA 8270D
95-48-7	2-Methylphenol	960	U	ug/kg dry	960	4/11/13 11:11	5/16/13 9:17	EPA 8270D
88-74-4	2-Nitroaniline	960	U	ug/kg dry	960	4/11/13 11:11	5/16/13 9:17	EPA 8270D
88-75-5	2-Nitrophenol	960	U	ug/kg dry	960	4/11/13 11:11	5/16/13 9:17	EPA 8270D
91-94-1	3,3'-Dichlorobenzidine	960	U	ug/kg dry	960	4/11/13 11:11	5/16/13 9:17	EPA 8270D
99-09-2	3-Nitroaniline	960	U	ug/kg dry	960	4/11/13 11:11	5/16/13 9:17	EPA 8270D
101-55-3	4-Bromophenyl phenyl ether	960	U	ug/kg dry	960	4/11/13 11:11	5/16/13 9:17	EPA 8270D
59-50-7	4-Chloro-3-methylphenol	960	U	ug/kg dry	960	4/11/13 11:11	5/16/13 9:17	EPA 8270D
106-47-8	4-Chloroaniline	960	U	ug/kg dry	960	4/11/13 11:11	5/16/13 9:17	EPA 8270D
7005-72-3	4-Chlorophenyl phenyl ether	960	U	ug/kg dry	960	4/11/13 11:11	5/16/13 9:17	EPA 8270D
100-01-6	4-Nitroaniline	960	U	ug/kg dry	960	4/11/13 11:11	5/16/13 9:17	EPA 8270D
100-02-7	4-Nitrophenol	960	U	ug/kg dry	960	4/11/13 11:11	5/16/13 9:17	EPA 8270D
83-32-9	Acenaphthene	96	U	ug/kg dry	96	4/11/13 11:11	5/16/13 9:17	EPA 8270D
208-96-8	Acenaphthylene	96	U	ug/kg dry	96	4/11/13 11:11	5/16/13 9:17	EPA 8270D

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 4 Science and Ecosystem Support Division
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D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Diana Burdette

Semi Volatile Organics

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-012-SF
Station ID: GML012
Lab ID: E131406-20
Matrix: Surface Soil

Date Collected: 4/3/13 12:15

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
98-86-2	Acetophenone	960	U	ug/kg dry	960	4/11/13 11:11	5/16/13 9:17	EPA 8270D
120-12-7	Anthracene	96	U	ug/kg dry	96	4/11/13 11:11	5/16/13 9:17	EPA 8270D
1912-24-9	Atrazine	960	U	ug/kg dry	960	4/11/13 11:11	5/16/13 9:17	EPA 8270D
100-52-7	Benzaldehyde	960	U	ug/kg dry	960	4/11/13 11:11	5/16/13 9:17	EPA 8270D
56-55-3	Benzo(a)anthracene	190		ug/kg dry	96	4/11/13 11:11	5/16/13 9:17	EPA 8270D
50-32-8	Benzo(a)pyrene	160		ug/kg dry	96	4/11/13 11:11	5/16/13 9:17	EPA 8270D
205-99-2	Benzo(b)fluoranthene	170		ug/kg dry	96	4/11/13 11:11	5/16/13 9:17	EPA 8270D
191-24-2	Benzo(g,h,i)perylene	96	U	ug/kg dry	96	4/11/13 11:11	5/16/13 9:17	EPA 8270D
207-08-9	Benzo(k)fluoranthene	150		ug/kg dry	96	4/11/13 11:11	5/16/13 9:17	EPA 8270D
85-68-7	Benzyl butyl phthalate	960	U	ug/kg dry	960	4/11/13 11:11	5/16/13 9:17	EPA 8270D
111-91-1	Bis(2-chloroethoxy)methane	960	U	ug/kg dry	960	4/11/13 11:11	5/16/13 9:17	EPA 8270D
111-44-4	bis(2-Chloroethyl) Ether	960	U	ug/kg dry	960	4/11/13 11:11	5/16/13 9:17	EPA 8270D
39638-32-9	Bis(2-chloroisopropyl) ether	960	U	ug/kg dry	960	4/11/13 11:11	5/16/13 9:17	EPA 8270D
117-81-7	Bis(2-ethylhexyl) phthalate	960	U	ug/kg dry	960	4/11/13 11:11	5/16/13 9:17	EPA 8270D
105-60-2	Caprolactam	960	U	ug/kg dry	960	4/11/13 11:11	5/16/13 9:17	EPA 8270D
86-74-8	Carbazole	96	U	ug/kg dry	96	4/11/13 11:11	5/16/13 9:17	EPA 8270D
218-01-9	Chrysene	210		ug/kg dry	96	4/11/13 11:11	5/16/13 9:17	EPA 8270D
53-70-3	Dibenz(a,h)anthracene	96	U	ug/kg dry	96	4/11/13 11:11	5/16/13 9:17	EPA 8270D
132-64-9	Dibenzofuran	96	U	ug/kg dry	96	4/11/13 11:11	5/16/13 9:17	EPA 8270D
84-66-2	Diethyl phthalate	960	U	ug/kg dry	960	4/11/13 11:11	5/16/13 9:17	EPA 8270D
131-11-3	Dimethyl phthalate	960	U	ug/kg dry	960	4/11/13 11:11	5/16/13 9:17	EPA 8270D
84-74-2	Di-n-butylphthalate	960	U	ug/kg dry	960	4/11/13 11:11	5/16/13 9:17	EPA 8270D
117-84-0	Di-n-octylphthalate	960	U	ug/kg dry	960	4/11/13 11:11	5/16/13 9:17	EPA 8270D
206-44-0	Fluoranthene	460		ug/kg dry	96	4/11/13 11:11	5/16/13 9:17	EPA 8270D
86-73-7	Fluorene	96	U	ug/kg dry	96	4/11/13 11:11	5/16/13 9:17	EPA 8270D
118-74-1	Hexachlorobenzene (HCB)	96	U	ug/kg dry	96	4/11/13 11:11	5/16/13 9:17	EPA 8270D
77-47-4	Hexachlorocyclopentadiene (HCCP)	960	U	ug/kg dry	960	4/11/13 11:11	5/16/13 9:17	EPA 8270D
67-72-1	Hexachloroethane	960	U	ug/kg dry	960	4/11/13 11:11	5/16/13 9:17	EPA 8270D
193-39-5	Indeno (1,2,3-cd) pyrene	96	U	ug/kg dry	96	4/11/13 11:11	5/16/13 9:17	EPA 8270D

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Project: 13-0295, Greenwood Mills Liner Plt - Reported by Diana Burdette

Semi Volatile Organics

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-012-SF
Station ID: GML012
Lab ID: E131406-20
Matrix: Surface Soil

Date Collected: 4/3/13 12:15

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
78-59-1	Isophorone	960	U	ug/kg dry	960	4/11/13 11:11	5/16/13 9:17	EPA 8270D
91-20-3	Naphthalene	96	U	ug/kg dry	96	4/11/13 11:11	5/16/13 9:17	EPA 8270D
98-95-3	Nitrobenzene	960	U	ug/kg dry	960	4/11/13 11:11	5/16/13 9:17	EPA 8270D
621-64-7	n-Nitroso di-n-Propylamine	960	U	ug/kg dry	960	4/11/13 11:11	5/16/13 9:17	EPA 8270D
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	960	U	ug/kg dry	960	4/11/13 11:11	5/16/13 9:17	EPA 8270D
87-86-5	Pentachlorophenol	960	U	ug/kg dry	960	4/11/13 11:11	5/16/13 9:17	EPA 8270D
85-01-8	Phenanthrene	240		ug/kg dry	96	4/11/13 11:11	5/16/13 9:17	EPA 8270D
108-95-2	Phenol	960	U	ug/kg dry	960	4/11/13 11:11	5/16/13 9:17	EPA 8270D
129-00-0	Pyrene	440		ug/kg dry	96	4/11/13 11:11	5/16/13 9:17	EPA 8270D
Tentatively Identified Compounds:								
R4-6500	Petroleum Product:		N			11:11 11:11	5/16/13 9:17	EPA 8270D
R4-6501	Unidentified Compounds	5000	J	ug/kg dry		4/11/13 11:11	5/16/13 9:17	EPA 8270D

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Semi Volatile Organics

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-013-SF
Station ID: GML013
Lab ID: E131406-21
Matrix: Surface Soil

Date Collected: 4/3/13 9:55

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1319-77-3	(3-and/or 4-)Methylphenol	1700	U	ug/kg dry	1700	4/11/13 11:11	5/21/13 1:38	EPA 8270D
92-52-4	1,1-Biphenyl	170	U	ug/kg dry	170	4/11/13 11:11	5/21/13 1:38	EPA 8270D
90-12-0	1-Methylnaphthalene	170	U	ug/kg dry	170	4/11/13 11:11	5/21/13 1:38	EPA 8270D
58-90-2	2,3,4,6-Tetrachlorophenol	1700	U	ug/kg dry	1700	4/11/13 11:11	5/21/13 1:38	EPA 8270D
95-95-4	2,4,5-Trichlorophenol	1700	U	ug/kg dry	1700	4/11/13 11:11	5/21/13 1:38	EPA 8270D
88-06-2	2,4,6-Trichlorophenol	1700	U	ug/kg dry	1700	4/11/13 11:11	5/21/13 1:38	EPA 8270D
120-83-2	2,4-Dichlorophenol	1700	U	ug/kg dry	1700	4/11/13 11:11	5/21/13 1:38	EPA 8270D
105-67-9	2,4-Dimethylphenol	1700	U	ug/kg dry	1700	4/11/13 11:11	5/21/13 1:38	EPA 8270D
51-28-5	2,4-Dinitrophenol	1700	U	ug/kg dry	1700	4/11/13 11:11	5/21/13 1:38	EPA 8270D
121-14-2	2,4-Dinitrotoluene	1700	U	ug/kg dry	1700	4/11/13 11:11	5/21/13 1:38	EPA 8270D
606-20-2	2,6-Dinitrotoluene	1700	U	ug/kg dry	1700	4/11/13 11:11	5/21/13 1:38	EPA 8270D
91-58-7	2-Chloronaphthalene	1700	U	ug/kg dry	1700	4/11/13 11:11	5/21/13 1:38	EPA 8270D
95-57-8	2-Chlorophenol	1700	U	ug/kg dry	1700	4/11/13 11:11	5/21/13 1:38	EPA 8270D
534-52-1	2-Methyl-4,6-dinitrophenol	1700	U	ug/kg dry	1700	4/11/13 11:11	5/21/13 1:38	EPA 8270D
91-57-6	2-Methylnaphthalene	170	U	ug/kg dry	170	4/11/13 11:11	5/21/13 1:38	EPA 8270D
95-48-7	2-Methylphenol	1700	U	ug/kg dry	1700	4/11/13 11:11	5/21/13 1:38	EPA 8270D
88-74-4	2-Nitroaniline	1700	U	ug/kg dry	1700	4/11/13 11:11	5/21/13 1:38	EPA 8270D
88-75-5	2-Nitrophenol	1700	U	ug/kg dry	1700	4/11/13 11:11	5/21/13 1:38	EPA 8270D
91-94-1	3,3'-Dichlorobenzidine	1700	U	ug/kg dry	1700	4/11/13 11:11	5/21/13 1:38	EPA 8270D
99-09-2	3-Nitroaniline	1700	U	ug/kg dry	1700	4/11/13 11:11	5/21/13 1:38	EPA 8270D
101-55-3	4-Bromophenyl phenyl ether	1700	U	ug/kg dry	1700	4/11/13 11:11	5/21/13 1:38	EPA 8270D
59-50-7	4-Chloro-3-methylphenol	1700	U	ug/kg dry	1700	4/11/13 11:11	5/21/13 1:38	EPA 8270D
106-47-8	4-Chloroaniline	1700	U	ug/kg dry	1700	4/11/13 11:11	5/21/13 1:38	EPA 8270D
7005-72-3	4-Chlorophenyl phenyl ether	1700	U	ug/kg dry	1700	4/11/13 11:11	5/21/13 1:38	EPA 8270D
100-01-6	4-Nitroaniline	1700	U	ug/kg dry	1700	4/11/13 11:11	5/21/13 1:38	EPA 8270D
100-02-7	4-Nitrophenol	1700	U	ug/kg dry	1700	4/11/13 11:11	5/21/13 1:38	EPA 8270D
83-32-9	Acenaphthene	170	U	ug/kg dry	170	4/11/13 11:11	5/21/13 1:38	EPA 8270D
208-96-8	Acenaphthylene	170	U	ug/kg dry	170	4/11/13 11:11	5/21/13 1:38	EPA 8270D

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D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Diana Burdette

Semi Volatile Organics

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-013-SF
Station ID: GML013
Lab ID: E131406-21
Matrix: Surface Soil

Date Collected: 4/3/13 9:55

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
98-86-2	Acetophenone	1700	U	ug/kg dry	1700	4/11/13 11:11	5/21/13 1:38	EPA 8270D
120-12-7	Anthracene	170	U	ug/kg dry	170	4/11/13 11:11	5/21/13 1:38	EPA 8270D
1912-24-9	Atrazine	1700	U	ug/kg dry	1700	4/11/13 11:11	5/21/13 1:38	EPA 8270D
100-52-7	Benzaldehyde	1700	U	ug/kg dry	1700	4/11/13 11:11	5/21/13 1:38	EPA 8270D
56-55-3	Benzo(a)anthracene	170	U	ug/kg dry	170	4/11/13 11:11	5/21/13 1:38	EPA 8270D
50-32-8	Benzo(a)pyrene	170	U	ug/kg dry	170	4/11/13 11:11	5/21/13 1:38	EPA 8270D
205-99-2	Benzo(b)fluoranthene	170	U	ug/kg dry	170	4/11/13 11:11	5/21/13 1:38	EPA 8270D
191-24-2	Benzo(g,h,i)perylene	170	U	ug/kg dry	170	4/11/13 11:11	5/21/13 1:38	EPA 8270D
207-08-9	Benzo(k)fluoranthene	170	U	ug/kg dry	170	4/11/13 11:11	5/21/13 1:38	EPA 8270D
85-68-7	Benzyl butyl phthalate	1700	U	ug/kg dry	1700	4/11/13 11:11	5/21/13 1:38	EPA 8270D
111-91-1	Bis(2-chloroethoxy)methane	1700	U	ug/kg dry	1700	4/11/13 11:11	5/21/13 1:38	EPA 8270D
111-44-4	bis(2-Chloroethyl) Ether	1700	U	ug/kg dry	1700	4/11/13 11:11	5/21/13 1:38	EPA 8270D
39638-32-9	Bis(2-chloroisopropyl) ether	1700	U	ug/kg dry	1700	4/11/13 11:11	5/21/13 1:38	EPA 8270D
117-81-7	Bis(2-ethylhexyl) phthalate	1700	U	ug/kg dry	1700	4/11/13 11:11	5/21/13 1:38	EPA 8270D
105-60-2	Caprolactam	1700	U	ug/kg dry	1700	4/11/13 11:11	5/21/13 1:38	EPA 8270D
86-74-8	Carbazole	170	U	ug/kg dry	170	4/11/13 11:11	5/21/13 1:38	EPA 8270D
218-01-9	Chrysene	170	U	ug/kg dry	170	4/11/13 11:11	5/21/13 1:38	EPA 8270D
53-70-3	Dibenz(a,h)anthracene	170	U	ug/kg dry	170	4/11/13 11:11	5/21/13 1:38	EPA 8270D
132-64-9	Dibenzofuran	170	U	ug/kg dry	170	4/11/13 11:11	5/21/13 1:38	EPA 8270D
84-66-2	Diethyl phthalate	1700	U	ug/kg dry	1700	4/11/13 11:11	5/21/13 1:38	EPA 8270D
131-11-3	Dimethyl phthalate	1700	U	ug/kg dry	1700	4/11/13 11:11	5/21/13 1:38	EPA 8270D
84-74-2	Di-n-butylphthalate	1700	U	ug/kg dry	1700	4/11/13 11:11	5/21/13 1:38	EPA 8270D
117-84-0	Di-n-octylphthalate	1700	U	ug/kg dry	1700	4/11/13 11:11	5/21/13 1:38	EPA 8270D
206-44-0	Fluoranthene	170	U	ug/kg dry	170	4/11/13 11:11	5/21/13 1:38	EPA 8270D
86-73-7	Fluorene	170	U	ug/kg dry	170	4/11/13 11:11	5/21/13 1:38	EPA 8270D
118-74-1	Hexachlorobenzene (HCB)	170	U	ug/kg dry	170	4/11/13 11:11	5/21/13 1:38	EPA 8270D
77-47-4	Hexachlorocyclopentadiene (HCCP)	1700	U	ug/kg dry	1700	4/11/13 11:11	5/21/13 1:38	EPA 8270D
67-72-1	Hexachloroethane	1700	U	ug/kg dry	1700	4/11/13 11:11	5/21/13 1:38	EPA 8270D
193-39-5	Indeno (1,2,3-cd) pyrene	170	U	ug/kg dry	170	4/11/13 11:11	5/21/13 1:38	EPA 8270D

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Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Diana Burdette

Semi Volatile Organics

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-013-SF
Station ID: GML013
Lab ID: E131406-21
Matrix: Surface Soil

Date Collected: 4/3/13 9:55

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
78-59-1	Isophorone	1700	U	ug/kg dry	1700	4/11/13 11:11	5/21/13 1:38	EPA 8270D
91-20-3	Naphthalene	170	U	ug/kg dry	170	4/11/13 11:11	5/21/13 1:38	EPA 8270D
98-95-3	Nitrobenzene	1700	U	ug/kg dry	1700	4/11/13 11:11	5/21/13 1:38	EPA 8270D
621-64-7	n-Nitroso di-n-Propylamine	1700	U	ug/kg dry	1700	4/11/13 11:11	5/21/13 1:38	EPA 8270D
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	1700	U	ug/kg dry	1700	4/11/13 11:11	5/21/13 1:38	EPA 8270D
87-86-5	Pentachlorophenol	1700	U	ug/kg dry	1700	4/11/13 11:11	5/21/13 1:38	EPA 8270D
85-01-8	Phenanthrene	170	U	ug/kg dry	170	4/11/13 11:11	5/21/13 1:38	EPA 8270D
108-95-2	Phenol	1700	U	ug/kg dry	1700	4/11/13 11:11	5/21/13 1:38	EPA 8270D
129-00-0	Pyrene	170	U	ug/kg dry	170	4/11/13 11:11	5/21/13 1:38	EPA 8270D
Tentatively Identified Compounds:								
R4-6500	Petroleum Product:		N			11:11 11:11	5/21/13 1:38	EPA 8270D

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Diana Burdette

Semi Volatile Organics

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-014-SF
Station ID: GML014
Lab ID: E131406-22
Matrix: Surface Soil

Date Collected: 4/3/13 10:10

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1319-77-3	(3-and/or 4-)Methylphenol	1800	U	ug/kg dry	1800	4/11/13 11:11	5/21/13 2:11	EPA 8270D
92-52-4	1,1-Biphenyl	180	U	ug/kg dry	180	4/11/13 11:11	5/21/13 2:11	EPA 8270D
90-12-0	1-Methylnaphthalene	180	U	ug/kg dry	180	4/11/13 11:11	5/21/13 2:11	EPA 8270D
58-90-2	2,3,4,6-Tetrachlorophenol	1800	U	ug/kg dry	1800	4/11/13 11:11	5/21/13 2:11	EPA 8270D
95-95-4	2,4,5-Trichlorophenol	1800	U	ug/kg dry	1800	4/11/13 11:11	5/21/13 2:11	EPA 8270D
88-06-2	2,4,6-Trichlorophenol	1800	U	ug/kg dry	1800	4/11/13 11:11	5/21/13 2:11	EPA 8270D
120-83-2	2,4-Dichlorophenol	1800	U	ug/kg dry	1800	4/11/13 11:11	5/21/13 2:11	EPA 8270D
105-67-9	2,4-Dimethylphenol	1800	U	ug/kg dry	1800	4/11/13 11:11	5/21/13 2:11	EPA 8270D
51-28-5	2,4-Dinitrophenol	1800	U	ug/kg dry	1800	4/11/13 11:11	5/21/13 2:11	EPA 8270D
121-14-2	2,4-Dinitrotoluene	1800	U	ug/kg dry	1800	4/11/13 11:11	5/21/13 2:11	EPA 8270D
606-20-2	2,6-Dinitrotoluene	1800	U	ug/kg dry	1800	4/11/13 11:11	5/21/13 2:11	EPA 8270D
91-58-7	2-Chloronaphthalene	1800	U	ug/kg dry	1800	4/11/13 11:11	5/21/13 2:11	EPA 8270D
95-57-8	2-Chlorophenol	1800	U	ug/kg dry	1800	4/11/13 11:11	5/21/13 2:11	EPA 8270D
534-52-1	2-Methyl-4,6-dinitrophenol	1800	U	ug/kg dry	1800	4/11/13 11:11	5/21/13 2:11	EPA 8270D
91-57-6	2-Methylnaphthalene	180	U	ug/kg dry	180	4/11/13 11:11	5/21/13 2:11	EPA 8270D
95-48-7	2-Methylphenol	1800	U	ug/kg dry	1800	4/11/13 11:11	5/21/13 2:11	EPA 8270D
88-74-4	2-Nitroaniline	1800	U	ug/kg dry	1800	4/11/13 11:11	5/21/13 2:11	EPA 8270D
88-75-5	2-Nitrophenol	1800	U	ug/kg dry	1800	4/11/13 11:11	5/21/13 2:11	EPA 8270D
91-94-1	3,3'-Dichlorobenzidine	1800	U	ug/kg dry	1800	4/11/13 11:11	5/21/13 2:11	EPA 8270D
99-09-2	3-Nitroaniline	1800	U	ug/kg dry	1800	4/11/13 11:11	5/21/13 2:11	EPA 8270D
101-55-3	4-Bromophenyl phenyl ether	1800	U	ug/kg dry	1800	4/11/13 11:11	5/21/13 2:11	EPA 8270D
59-50-7	4-Chloro-3-methylphenol	1800	U	ug/kg dry	1800	4/11/13 11:11	5/21/13 2:11	EPA 8270D
106-47-8	4-Chloroaniline	1800	U	ug/kg dry	1800	4/11/13 11:11	5/21/13 2:11	EPA 8270D
7005-72-3	4-Chlorophenyl phenyl ether	1800	U	ug/kg dry	1800	4/11/13 11:11	5/21/13 2:11	EPA 8270D
100-01-6	4-Nitroaniline	1800	U	ug/kg dry	1800	4/11/13 11:11	5/21/13 2:11	EPA 8270D
100-02-7	4-Nitrophenol	1800	U	ug/kg dry	1800	4/11/13 11:11	5/21/13 2:11	EPA 8270D
83-32-9	Acenaphthene	180	U	ug/kg dry	180	4/11/13 11:11	5/21/13 2:11	EPA 8270D
208-96-8	Acenaphthylene	180	U	ug/kg dry	180	4/11/13 11:11	5/21/13 2:11	EPA 8270D

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Diana Burdette

Semi Volatile Organics

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-014-SF
Station ID: GML014
Lab ID: E131406-22
Matrix: Surface Soil

Date Collected: 4/3/13 10:10

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
98-86-2	Acetophenone	1800	U	ug/kg dry	1800	4/11/13 11:11	5/21/13 2:11	EPA 8270D
120-12-7	Anthracene	180	U	ug/kg dry	180	4/11/13 11:11	5/21/13 2:11	EPA 8270D
1912-24-9	Atrazine	1800	U	ug/kg dry	1800	4/11/13 11:11	5/21/13 2:11	EPA 8270D
100-52-7	Benzaldehyde	1800	U	ug/kg dry	1800	4/11/13 11:11	5/21/13 2:11	EPA 8270D
56-55-3	Benzo(a)anthracene	180	U	ug/kg dry	180	4/11/13 11:11	5/21/13 2:11	EPA 8270D
50-32-8	Benzo(a)pyrene	180	U	ug/kg dry	180	4/11/13 11:11	5/21/13 2:11	EPA 8270D
205-99-2	Benzo(b)fluoranthene	180	U	ug/kg dry	180	4/11/13 11:11	5/21/13 2:11	EPA 8270D
191-24-2	Benzo(g,h,i)perylene	180	U	ug/kg dry	180	4/11/13 11:11	5/21/13 2:11	EPA 8270D
207-08-9	Benzo(k)fluoranthene	180	U	ug/kg dry	180	4/11/13 11:11	5/21/13 2:11	EPA 8270D
85-68-7	Benzyl butyl phthalate	1800	U	ug/kg dry	1800	4/11/13 11:11	5/21/13 2:11	EPA 8270D
111-91-1	Bis(2-chloroethoxy)methane	1800	U	ug/kg dry	1800	4/11/13 11:11	5/21/13 2:11	EPA 8270D
111-44-4	bis(2-Chloroethyl) Ether	1800	U	ug/kg dry	1800	4/11/13 11:11	5/21/13 2:11	EPA 8270D
39638-32-9	Bis(2-chloroisopropyl) ether	1800	U	ug/kg dry	1800	4/11/13 11:11	5/21/13 2:11	EPA 8270D
117-81-7	Bis(2-ethylhexyl) phthalate	1800	U	ug/kg dry	1800	4/11/13 11:11	5/21/13 2:11	EPA 8270D
105-60-2	Caprolactam	1800	U	ug/kg dry	1800	4/11/13 11:11	5/21/13 2:11	EPA 8270D
86-74-8	Carbazole	180	U	ug/kg dry	180	4/11/13 11:11	5/21/13 2:11	EPA 8270D
218-01-9	Chrysene	180	U	ug/kg dry	180	4/11/13 11:11	5/21/13 2:11	EPA 8270D
53-70-3	Dibenz(a,h)anthracene	180	U	ug/kg dry	180	4/11/13 11:11	5/21/13 2:11	EPA 8270D
132-64-9	Dibenzofuran	180	U	ug/kg dry	180	4/11/13 11:11	5/21/13 2:11	EPA 8270D
84-66-2	Diethyl phthalate	1800	U	ug/kg dry	1800	4/11/13 11:11	5/21/13 2:11	EPA 8270D
131-11-3	Dimethyl phthalate	1800	U	ug/kg dry	1800	4/11/13 11:11	5/21/13 2:11	EPA 8270D
84-74-2	Di-n-butylphthalate	1800	U	ug/kg dry	1800	4/11/13 11:11	5/21/13 2:11	EPA 8270D
117-84-0	Di-n-octylphthalate	1800	U	ug/kg dry	1800	4/11/13 11:11	5/21/13 2:11	EPA 8270D
206-44-0	Fluoranthene	180	U	ug/kg dry	180	4/11/13 11:11	5/21/13 2:11	EPA 8270D
86-73-7	Fluorene	180	U	ug/kg dry	180	4/11/13 11:11	5/21/13 2:11	EPA 8270D
118-74-1	Hexachlorobenzene (HCB)	180	U	ug/kg dry	180	4/11/13 11:11	5/21/13 2:11	EPA 8270D
77-47-4	Hexachlorocyclopentadiene (HCCP)	1800	U	ug/kg dry	1800	4/11/13 11:11	5/21/13 2:11	EPA 8270D
67-72-1	Hexachloroethane	1800	U	ug/kg dry	1800	4/11/13 11:11	5/21/13 2:11	EPA 8270D
193-39-5	Indeno (1,2,3-cd) pyrene	180	U	ug/kg dry	180	4/11/13 11:11	5/21/13 2:11	EPA 8270D

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Diana Burdette

Semi Volatile Organics

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-014-SF
Station ID: GML014
Lab ID: E131406-22
Matrix: Surface Soil

Date Collected: 4/3/13 10:10

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
78-59-1	Isophorone	1800	U	ug/kg dry	1800	4/11/13 11:11	5/21/13 2:11	EPA 8270D
91-20-3	Naphthalene	180	U	ug/kg dry	180	4/11/13 11:11	5/21/13 2:11	EPA 8270D
98-95-3	Nitrobenzene	1800	U	ug/kg dry	1800	4/11/13 11:11	5/21/13 2:11	EPA 8270D
621-64-7	n-Nitroso di-n-Propylamine	1800	U	ug/kg dry	1800	4/11/13 11:11	5/21/13 2:11	EPA 8270D
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	1800	U	ug/kg dry	1800	4/11/13 11:11	5/21/13 2:11	EPA 8270D
87-86-5	Pentachlorophenol	1800	U	ug/kg dry	1800	4/11/13 11:11	5/21/13 2:11	EPA 8270D
85-01-8	Phenanthrene	180	U	ug/kg dry	180	4/11/13 11:11	5/21/13 2:11	EPA 8270D
108-95-2	Phenol	1800	U	ug/kg dry	1800	4/11/13 11:11	5/21/13 2:11	EPA 8270D
129-00-0	Pyrene	180	U	ug/kg dry	180	4/11/13 11:11	5/21/13 2:11	EPA 8270D
Tentatively Identified Compounds:								
R4-6500	Petroleum Product:	N				11:11 11:11	5/21/13 2:11	EPA 8270D

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Diana Burdette

Semi Volatile Organics

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-015-SF
Station ID: GML015
Lab ID: E131406-23
Matrix: Surface Soil

Date Collected: 4/3/13 10:25

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1319-77-3	(3-and/or 4-)Methylphenol	440	U	ug/kg dry	440	4/11/13 11:11	5/14/13 16:05	EPA 8270D
92-52-4	1,1-Biphenyl	44	U	ug/kg dry	44	4/11/13 11:11	5/14/13 16:05	EPA 8270D
90-12-0	1-Methylnaphthalene	44	U	ug/kg dry	44	4/11/13 11:11	5/14/13 16:05	EPA 8270D
58-90-2	2,3,4,6-Tetrachlorophenol	440	U	ug/kg dry	440	4/11/13 11:11	5/14/13 16:05	EPA 8270D
95-95-4	2,4,5-Trichlorophenol	440	U	ug/kg dry	440	4/11/13 11:11	5/14/13 16:05	EPA 8270D
88-06-2	2,4,6-Trichlorophenol	440	U	ug/kg dry	440	4/11/13 11:11	5/14/13 16:05	EPA 8270D
120-83-2	2,4-Dichlorophenol	440	U	ug/kg dry	440	4/11/13 11:11	5/14/13 16:05	EPA 8270D
105-67-9	2,4-Dimethylphenol	440	U	ug/kg dry	440	4/11/13 11:11	5/14/13 16:05	EPA 8270D
51-28-5	2,4-Dinitrophenol	440	U	ug/kg dry	440	4/11/13 11:11	5/14/13 16:05	EPA 8270D
121-14-2	2,4-Dinitrotoluene	440	U	ug/kg dry	440	4/11/13 11:11	5/14/13 16:05	EPA 8270D
606-20-2	2,6-Dinitrotoluene	440	U	ug/kg dry	440	4/11/13 11:11	5/14/13 16:05	EPA 8270D
91-58-7	2-Chloronaphthalene	440	U	ug/kg dry	440	4/11/13 11:11	5/14/13 16:05	EPA 8270D
95-57-8	2-Chlorophenol	440	U	ug/kg dry	440	4/11/13 11:11	5/14/13 16:05	EPA 8270D
534-52-1	2-Methyl-4,6-dinitrophenol	440	U	ug/kg dry	440	4/11/13 11:11	5/14/13 16:05	EPA 8270D
91-57-6	2-Methylnaphthalene	44	U	ug/kg dry	44	4/11/13 11:11	5/14/13 16:05	EPA 8270D
95-48-7	2-Methylphenol	440	U	ug/kg dry	440	4/11/13 11:11	5/14/13 16:05	EPA 8270D
88-74-4	2-Nitroaniline	440	U	ug/kg dry	440	4/11/13 11:11	5/14/13 16:05	EPA 8270D
88-75-5	2-Nitrophenol	440	U	ug/kg dry	440	4/11/13 11:11	5/14/13 16:05	EPA 8270D
91-94-1	3,3'-Dichlorobenzidine	440	U	ug/kg dry	440	4/11/13 11:11	5/14/13 16:05	EPA 8270D
99-09-2	3-Nitroaniline	440	U	ug/kg dry	440	4/11/13 11:11	5/14/13 16:05	EPA 8270D
101-55-3	4-Bromophenyl phenyl ether	440	U	ug/kg dry	440	4/11/13 11:11	5/14/13 16:05	EPA 8270D
59-50-7	4-Chloro-3-methylphenol	440	U	ug/kg dry	440	4/11/13 11:11	5/14/13 16:05	EPA 8270D
106-47-8	4-Chloroaniline	440	U	ug/kg dry	440	4/11/13 11:11	5/14/13 16:05	EPA 8270D
7005-72-3	4-Chlorophenyl phenyl ether	440	U	ug/kg dry	440	4/11/13 11:11	5/14/13 16:05	EPA 8270D
100-01-6	4-Nitroaniline	440	U	ug/kg dry	440	4/11/13 11:11	5/14/13 16:05	EPA 8270D
100-02-7	4-Nitrophenol	440	U	ug/kg dry	440	4/11/13 11:11	5/14/13 16:05	EPA 8270D
83-32-9	Acenaphthene	44	U	ug/kg dry	44	4/11/13 11:11	5/14/13 16:05	EPA 8270D
208-96-8	Acenaphthylene	44	U	ug/kg dry	44	4/11/13 11:11	5/14/13 16:05	EPA 8270D

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980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Diana Burdette

Semi Volatile Organics

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-015-SF
Station ID: GML015
Lab ID: E131406-23
Matrix: Surface Soil

Date Collected: 4/3/13 10:25

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
98-86-2	Acetophenone	440	U	ug/kg dry	440	4/11/13 11:11	5/14/13 16:05	EPA 8270D
120-12-7	Anthracene	44	U	ug/kg dry	44	4/11/13 11:11	5/14/13 16:05	EPA 8270D
1912-24-9	Atrazine	440	U	ug/kg dry	440	4/11/13 11:11	5/14/13 16:05	EPA 8270D
100-52-7	Benzaldehyde	440	U	ug/kg dry	440	4/11/13 11:11	5/14/13 16:05	EPA 8270D
56-55-3	Benzo(a)anthracene	44	U	ug/kg dry	44	4/11/13 11:11	5/14/13 16:05	EPA 8270D
50-32-8	Benzo(a)pyrene	44	U	ug/kg dry	44	4/11/13 11:11	5/14/13 16:05	EPA 8270D
205-99-2	Benzo(b)fluoranthene	44	U	ug/kg dry	44	4/11/13 11:11	5/14/13 16:05	EPA 8270D
191-24-2	Benzo(g,h,i)perylene	44	U	ug/kg dry	44	4/11/13 11:11	5/14/13 16:05	EPA 8270D
207-08-9	Benzo(k)fluoranthene	44	U	ug/kg dry	44	4/11/13 11:11	5/14/13 16:05	EPA 8270D
85-68-7	Benzyl butyl phthalate	440	U	ug/kg dry	440	4/11/13 11:11	5/14/13 16:05	EPA 8270D
111-91-1	Bis(2-chloroethoxy)methane	440	U	ug/kg dry	440	4/11/13 11:11	5/14/13 16:05	EPA 8270D
111-44-4	bis(2-Chloroethyl) Ether	440	U	ug/kg dry	440	4/11/13 11:11	5/14/13 16:05	EPA 8270D
39638-32-9	Bis(2-chloroisopropyl) ether	440	U	ug/kg dry	440	4/11/13 11:11	5/14/13 16:05	EPA 8270D
117-81-7	Bis(2-ethylhexyl) phthalate	440	U	ug/kg dry	440	4/11/13 11:11	5/14/13 16:05	EPA 8270D
105-60-2	Caprolactam	440	U	ug/kg dry	440	4/11/13 11:11	5/14/13 16:05	EPA 8270D
86-74-8	Carbazole	44	U	ug/kg dry	44	4/11/13 11:11	5/14/13 16:05	EPA 8270D
218-01-9	Chrysene	44	U	ug/kg dry	44	4/11/13 11:11	5/14/13 16:05	EPA 8270D
53-70-3	Dibenz(a,h)anthracene	44	U	ug/kg dry	44	4/11/13 11:11	5/14/13 16:05	EPA 8270D
132-64-9	Dibenzofuran	44	U	ug/kg dry	44	4/11/13 11:11	5/14/13 16:05	EPA 8270D
84-66-2	Diethyl phthalate	440	U	ug/kg dry	440	4/11/13 11:11	5/14/13 16:05	EPA 8270D
131-11-3	Dimethyl phthalate	440	U	ug/kg dry	440	4/11/13 11:11	5/14/13 16:05	EPA 8270D
84-74-2	Di-n-butylphthalate	440	U	ug/kg dry	440	4/11/13 11:11	5/14/13 16:05	EPA 8270D
117-84-0	Di-n-octylphthalate	440	U	ug/kg dry	440	4/11/13 11:11	5/14/13 16:05	EPA 8270D
206-44-0	Fluoranthene	44	U	ug/kg dry	44	4/11/13 11:11	5/14/13 16:05	EPA 8270D
86-73-7	Fluorene	44	U	ug/kg dry	44	4/11/13 11:11	5/14/13 16:05	EPA 8270D
118-74-1	Hexachlorobenzene (HCB)	44	U	ug/kg dry	44	4/11/13 11:11	5/14/13 16:05	EPA 8270D
77-47-4	Hexachlorocyclopentadiene (HCCP)	440	U	ug/kg dry	440	4/11/13 11:11	5/14/13 16:05	EPA 8270D
67-72-1	Hexachloroethane	440	U	ug/kg dry	440	4/11/13 11:11	5/14/13 16:05	EPA 8270D
193-39-5	Indeno (1,2,3-cd) pyrene	44	U	ug/kg dry	44	4/11/13 11:11	5/14/13 16:05	EPA 8270D

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Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Diana Burdette

Semi Volatile Organics

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-015-SF
Station ID: GML015
Lab ID: E131406-23
Matrix: Surface Soil

Date Collected: 4/3/13 10:25

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
78-59-1	Isophorone	440	U	ug/kg dry	440	4/11/13 11:11	5/14/13 16:05	EPA 8270D
91-20-3	Naphthalene	44	U	ug/kg dry	44	4/11/13 11:11	5/14/13 16:05	EPA 8270D
98-95-3	Nitrobenzene	440	U	ug/kg dry	440	4/11/13 11:11	5/14/13 16:05	EPA 8270D
621-64-7	n-Nitroso di-n-Propylamine	440	U	ug/kg dry	440	4/11/13 11:11	5/14/13 16:05	EPA 8270D
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	440	U	ug/kg dry	440	4/11/13 11:11	5/14/13 16:05	EPA 8270D
87-86-5	Pentachlorophenol	440	U	ug/kg dry	440	4/11/13 11:11	5/14/13 16:05	EPA 8270D
85-01-8	Phenanthrene	44	U	ug/kg dry	44	4/11/13 11:11	5/14/13 16:05	EPA 8270D
108-95-2	Phenol	440	U	ug/kg dry	440	4/11/13 11:11	5/14/13 16:05	EPA 8270D
129-00-0	Pyrene	44	U	ug/kg dry	44	4/11/13 11:11	5/14/13 16:05	EPA 8270D
Tentatively Identified Compounds:								
R4-6500	Petroleum Product:	N				11:11 11:11	5/14/13 16:05	EPA 8270D

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Diana Burdette

Semi Volatile Organics

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-016-SF
Station ID: GML016
Lab ID: E131406-24
Matrix: Surface Soil

Date Collected: 4/3/13 12:42

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1319-77-3	(3-and/or 4-)Methylphenol	500	U	ug/kg dry	500	4/11/13 11:11	5/14/13 16:39	EPA 8270D
92-52-4	1,1-Biphenyl	50	U	ug/kg dry	50	4/11/13 11:11	5/14/13 16:39	EPA 8270D
90-12-0	1-Methylnaphthalene	74		ug/kg dry	50	4/11/13 11:11	5/14/13 16:39	EPA 8270D
58-90-2	2,3,4,6-Tetrachlorophenol	500	U	ug/kg dry	500	4/11/13 11:11	5/14/13 16:39	EPA 8270D
95-95-4	2,4,5-Trichlorophenol	500	U	ug/kg dry	500	4/11/13 11:11	5/14/13 16:39	EPA 8270D
88-06-2	2,4,6-Trichlorophenol	500	U	ug/kg dry	500	4/11/13 11:11	5/14/13 16:39	EPA 8270D
120-83-2	2,4-Dichlorophenol	500	U	ug/kg dry	500	4/11/13 11:11	5/14/13 16:39	EPA 8270D
105-67-9	2,4-Dimethylphenol	500	U	ug/kg dry	500	4/11/13 11:11	5/14/13 16:39	EPA 8270D
51-28-5	2,4-Dinitrophenol	500	U	ug/kg dry	500	4/11/13 11:11	5/14/13 16:39	EPA 8270D
121-14-2	2,4-Dinitrotoluene	500	U	ug/kg dry	500	4/11/13 11:11	5/14/13 16:39	EPA 8270D
606-20-2	2,6-Dinitrotoluene	500	U	ug/kg dry	500	4/11/13 11:11	5/14/13 16:39	EPA 8270D
91-58-7	2-Chloronaphthalene	500	U	ug/kg dry	500	4/11/13 11:11	5/14/13 16:39	EPA 8270D
95-57-8	2-Chlorophenol	500	U	ug/kg dry	500	4/11/13 11:11	5/14/13 16:39	EPA 8270D
534-52-1	2-Methyl-4,6-dinitrophenol	500	U	ug/kg dry	500	4/11/13 11:11	5/14/13 16:39	EPA 8270D
91-57-6	2-Methylnaphthalene	180		ug/kg dry	50	4/11/13 11:11	5/14/13 16:39	EPA 8270D
95-48-7	2-Methylphenol	500	U	ug/kg dry	500	4/11/13 11:11	5/14/13 16:39	EPA 8270D
88-74-4	2-Nitroaniline	500	U	ug/kg dry	500	4/11/13 11:11	5/14/13 16:39	EPA 8270D
88-75-5	2-Nitrophenol	500	U	ug/kg dry	500	4/11/13 11:11	5/14/13 16:39	EPA 8270D
91-94-1	3,3'-Dichlorobenzidine	500	U	ug/kg dry	500	4/11/13 11:11	5/14/13 16:39	EPA 8270D
99-09-2	3-Nitroaniline	500	U	ug/kg dry	500	4/11/13 11:11	5/14/13 16:39	EPA 8270D
101-55-3	4-Bromophenyl phenyl ether	500	U	ug/kg dry	500	4/11/13 11:11	5/14/13 16:39	EPA 8270D
59-50-7	4-Chloro-3-methylphenol	500	U	ug/kg dry	500	4/11/13 11:11	5/14/13 16:39	EPA 8270D
106-47-8	4-Chloroaniline	500	U	ug/kg dry	500	4/11/13 11:11	5/14/13 16:39	EPA 8270D
7005-72-3	4-Chlorophenyl phenyl ether	500	U	ug/kg dry	500	4/11/13 11:11	5/14/13 16:39	EPA 8270D
100-01-6	4-Nitroaniline	500	U	ug/kg dry	500	4/11/13 11:11	5/14/13 16:39	EPA 8270D
100-02-7	4-Nitrophenol	500	U	ug/kg dry	500	4/11/13 11:11	5/14/13 16:39	EPA 8270D
83-32-9	Acenaphthene	50	U	ug/kg dry	50	4/11/13 11:11	5/14/13 16:39	EPA 8270D
208-96-8	Acenaphthylene	50	U	ug/kg dry	50	4/11/13 11:11	5/14/13 16:39	EPA 8270D

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Diana Burdette

Semi Volatile Organics

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-016-SF
Station ID: GML016
Lab ID: E131406-24
Matrix: Surface Soil

Date Collected: 4/3/13 12:42

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
98-86-2	Acetophenone	500	U	ug/kg dry	500	4/11/13 11:11	5/14/13 16:39	EPA 8270D
120-12-7	Anthracene	50	U	ug/kg dry	50	4/11/13 11:11	5/14/13 16:39	EPA 8270D
1912-24-9	Atrazine	500	U	ug/kg dry	500	4/11/13 11:11	5/14/13 16:39	EPA 8270D
56-55-3	Benzo(a)anthracene	50	U	ug/kg dry	50	4/11/13 11:11	5/14/13 16:39	EPA 8270D
50-32-8	Benzo(a)pyrene	50	U	ug/kg dry	50	4/11/13 11:11	5/14/13 16:39	EPA 8270D
205-99-2	Benzo(b)fluoranthene	50	U	ug/kg dry	50	4/11/13 11:11	5/14/13 16:39	EPA 8270D
191-24-2	Benzo(g,h,i)perylene	50	U	ug/kg dry	50	4/11/13 11:11	5/14/13 16:39	EPA 8270D
207-08-9	Benzo(k)fluoranthene	50	U	ug/kg dry	50	4/11/13 11:11	5/14/13 16:39	EPA 8270D
85-68-7	Benzyl butyl phthalate	500	U	ug/kg dry	500	4/11/13 11:11	5/14/13 16:39	EPA 8270D
111-91-1	Bis(2-chloroethoxy)methane	500	U	ug/kg dry	500	4/11/13 11:11	5/14/13 16:39	EPA 8270D
111-44-4	bis(2-Chloroethyl) Ether	500	U	ug/kg dry	500	4/11/13 11:11	5/14/13 16:39	EPA 8270D
39638-32-9	Bis(2-chloroisopropyl) ether	500	U	ug/kg dry	500	4/11/13 11:11	5/14/13 16:39	EPA 8270D
117-81-7	Bis(2-ethylhexyl) phthalate	500	U	ug/kg dry	500	4/11/13 11:11	5/14/13 16:39	EPA 8270D
105-60-2	Caprolactam	500	U	ug/kg dry	500	4/11/13 11:11	5/14/13 16:39	EPA 8270D
86-74-8	Carbazole	50	U	ug/kg dry	50	4/11/13 11:11	5/14/13 16:39	EPA 8270D
218-01-9	Chrysene	50	U	ug/kg dry	50	4/11/13 11:11	5/14/13 16:39	EPA 8270D
53-70-3	Dibenz(a,h)anthracene	50	U	ug/kg dry	50	4/11/13 11:11	5/14/13 16:39	EPA 8270D
132-64-9	Dibenzofuran	73		ug/kg dry	50	4/11/13 11:11	5/14/13 16:39	EPA 8270D
84-66-2	Diethyl phthalate	500	U	ug/kg dry	500	4/11/13 11:11	5/14/13 16:39	EPA 8270D
131-11-3	Dimethyl phthalate	500	U	ug/kg dry	500	4/11/13 11:11	5/14/13 16:39	EPA 8270D
84-74-2	Di-n-butylphthalate	500	U	ug/kg dry	500	4/11/13 11:11	5/14/13 16:39	EPA 8270D
117-84-0	Di-n-octylphthalate	500	U	ug/kg dry	500	4/11/13 11:11	5/14/13 16:39	EPA 8270D
206-44-0	Fluoranthene	110		ug/kg dry	50	4/11/13 11:11	5/14/13 16:39	EPA 8270D
86-73-7	Fluorene	50	U	ug/kg dry	50	4/11/13 11:11	5/14/13 16:39	EPA 8270D
118-74-1	Hexachlorobenzene (HCB)	50	U	ug/kg dry	50	4/11/13 11:11	5/14/13 16:39	EPA 8270D
77-47-4	Hexachlorocyclopentadiene (HCCP)	500	U	ug/kg dry	500	4/11/13 11:11	5/14/13 16:39	EPA 8270D
67-72-1	Hexachloroethane	500	U	ug/kg dry	500	4/11/13 11:11	5/14/13 16:39	EPA 8270D
193-39-5	Indeno (1,2,3-cd) pyrene	50	U	ug/kg dry	50	4/11/13 11:11	5/14/13 16:39	EPA 8270D
78-59-1	Isophorone	500	U	ug/kg dry	500	4/11/13 11:11	5/14/13 16:39	EPA 8270D

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 4 Science and Ecosystem Support Division
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D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Diana Burdette

Semi Volatile Organics

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-016-SF
Station ID: GML016
Lab ID: E131406-24
Matrix: Surface Soil

Date Collected: 4/3/13 12:42

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
91-20-3	Naphthalene	99		ug/kg dry	50	4/11/13 11:11	5/14/13 16:39	EPA 8270D
98-95-3	Nitrobenzene	500	U	ug/kg dry	500	4/11/13 11:11	5/14/13 16:39	EPA 8270D
621-64-7	n-Nitroso di-n-Propylamine	500	U	ug/kg dry	500	4/11/13 11:11	5/14/13 16:39	EPA 8270D
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	500	U	ug/kg dry	500	4/11/13 11:11	5/14/13 16:39	EPA 8270D
87-86-5	Pentachlorophenol	500	U	ug/kg dry	500	4/11/13 11:11	5/14/13 16:39	EPA 8270D
85-01-8	Phenanthrene	210		ug/kg dry	50	4/11/13 11:11	5/14/13 16:39	EPA 8270D
108-95-2	Phenol	500	U	ug/kg dry	500	4/11/13 11:11	5/14/13 16:39	EPA 8270D
129-00-0	Pyrene	99		ug/kg dry	50	4/11/13 11:11	5/14/13 16:39	EPA 8270D
Tentatively Identified Compounds:								
R4-6501	Unidentified Compounds	1000	J	ug/kg dry		4/11/13 11:11	5/14/13 16:39	EPA 8270D

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 4 Science and Ecosystem Support Division
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D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Diana Burdette

Semi Volatile Organics

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-017-SF
Station ID: GML017
Lab ID: E131406-25
Matrix: Surface Soil

Date Collected: 4/3/13 12:56

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1319-77-3	(3-and/or 4-)Methylphenol	460	U	ug/kg dry	460	4/11/13 11:11	5/14/13 15:32	EPA 8270D
92-52-4	1,1-Biphenyl	46	U	ug/kg dry	46	4/11/13 11:11	5/14/13 15:32	EPA 8270D
90-12-0	1-Methylnaphthalene	46	U	ug/kg dry	46	4/11/13 11:11	5/14/13 15:32	EPA 8270D
58-90-2	2,3,4,6-Tetrachlorophenol	460	U	ug/kg dry	460	4/11/13 11:11	5/14/13 15:32	EPA 8270D
95-95-4	2,4,5-Trichlorophenol	460	U	ug/kg dry	460	4/11/13 11:11	5/14/13 15:32	EPA 8270D
88-06-2	2,4,6-Trichlorophenol	460	U	ug/kg dry	460	4/11/13 11:11	5/14/13 15:32	EPA 8270D
120-83-2	2,4-Dichlorophenol	460	U	ug/kg dry	460	4/11/13 11:11	5/14/13 15:32	EPA 8270D
105-67-9	2,4-Dimethylphenol	460	U	ug/kg dry	460	4/11/13 11:11	5/14/13 15:32	EPA 8270D
51-28-5	2,4-Dinitrophenol	460	U	ug/kg dry	460	4/11/13 11:11	5/14/13 15:32	EPA 8270D
121-14-2	2,4-Dinitrotoluene	460	U	ug/kg dry	460	4/11/13 11:11	5/14/13 15:32	EPA 8270D
606-20-2	2,6-Dinitrotoluene	460	U	ug/kg dry	460	4/11/13 11:11	5/14/13 15:32	EPA 8270D
91-58-7	2-Chloronaphthalene	460	U	ug/kg dry	460	4/11/13 11:11	5/14/13 15:32	EPA 8270D
95-57-8	2-Chlorophenol	460	U	ug/kg dry	460	4/11/13 11:11	5/14/13 15:32	EPA 8270D
534-52-1	2-Methyl-4,6-dinitrophenol	460	U	ug/kg dry	460	4/11/13 11:11	5/14/13 15:32	EPA 8270D
91-57-6	2-Methylnaphthalene	46	U	ug/kg dry	46	4/11/13 11:11	5/14/13 15:32	EPA 8270D
95-48-7	2-Methylphenol	460	U	ug/kg dry	460	4/11/13 11:11	5/14/13 15:32	EPA 8270D
88-74-4	2-Nitroaniline	460	U	ug/kg dry	460	4/11/13 11:11	5/14/13 15:32	EPA 8270D
88-75-5	2-Nitrophenol	460	U	ug/kg dry	460	4/11/13 11:11	5/14/13 15:32	EPA 8270D
91-94-1	3,3'-Dichlorobenzidine	460	U	ug/kg dry	460	4/11/13 11:11	5/14/13 15:32	EPA 8270D
99-09-2	3-Nitroaniline	460	U	ug/kg dry	460	4/11/13 11:11	5/14/13 15:32	EPA 8270D
101-55-3	4-Bromophenyl phenyl ether	460	U	ug/kg dry	460	4/11/13 11:11	5/14/13 15:32	EPA 8270D
59-50-7	4-Chloro-3-methylphenol	460	U	ug/kg dry	460	4/11/13 11:11	5/14/13 15:32	EPA 8270D
106-47-8	4-Chloroaniline	460	U	ug/kg dry	460	4/11/13 11:11	5/14/13 15:32	EPA 8270D
7005-72-3	4-Chlorophenyl phenyl ether	460	U	ug/kg dry	460	4/11/13 11:11	5/14/13 15:32	EPA 8270D
100-01-6	4-Nitroaniline	460	U	ug/kg dry	460	4/11/13 11:11	5/14/13 15:32	EPA 8270D
100-02-7	4-Nitrophenol	460	U	ug/kg dry	460	4/11/13 11:11	5/14/13 15:32	EPA 8270D
83-32-9	Acenaphthene	46	U	ug/kg dry	46	4/11/13 11:11	5/14/13 15:32	EPA 8270D
208-96-8	Acenaphthylene	46	U	ug/kg dry	46	4/11/13 11:11	5/14/13 15:32	EPA 8270D

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Diana Burdette

Semi Volatile Organics

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-017-SF
Station ID: GML017
Lab ID: E131406-25
Matrix: Surface Soil

Date Collected: 4/3/13 12:56

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
98-86-2	Acetophenone	460	U	ug/kg dry	460	4/11/13 11:11	5/14/13 15:32	EPA 8270D
120-12-7	Anthracene	46	U	ug/kg dry	46	4/11/13 11:11	5/14/13 15:32	EPA 8270D
1912-24-9	Atrazine	460	U	ug/kg dry	460	4/11/13 11:11	5/14/13 15:32	EPA 8270D
100-52-7	Benzaldehyde	460	U	ug/kg dry	460	4/11/13 11:11	5/14/13 15:32	EPA 8270D
56-55-3	Benzo(a)anthracene	46	U	ug/kg dry	46	4/11/13 11:11	5/14/13 15:32	EPA 8270D
50-32-8	Benzo(a)pyrene	46	U	ug/kg dry	46	4/11/13 11:11	5/14/13 15:32	EPA 8270D
205-99-2	Benzo(b)fluoranthene	46	U	ug/kg dry	46	4/11/13 11:11	5/14/13 15:32	EPA 8270D
191-24-2	Benzo(g,h,i)perylene	46	U	ug/kg dry	46	4/11/13 11:11	5/14/13 15:32	EPA 8270D
207-08-9	Benzo(k)fluoranthene	46	U	ug/kg dry	46	4/11/13 11:11	5/14/13 15:32	EPA 8270D
85-68-7	Benzyl butyl phthalate	460	U	ug/kg dry	460	4/11/13 11:11	5/14/13 15:32	EPA 8270D
111-91-1	Bis(2-chloroethoxy)methane	460	U	ug/kg dry	460	4/11/13 11:11	5/14/13 15:32	EPA 8270D
111-44-4	bis(2-Chloroethyl) Ether	460	U	ug/kg dry	460	4/11/13 11:11	5/14/13 15:32	EPA 8270D
39638-32-9	Bis(2-chloroisopropyl) ether	460	U	ug/kg dry	460	4/11/13 11:11	5/14/13 15:32	EPA 8270D
117-81-7	Bis(2-ethylhexyl) phthalate	460	U	ug/kg dry	460	4/11/13 11:11	5/14/13 15:32	EPA 8270D
105-60-2	Caprolactam	460	U	ug/kg dry	460	4/11/13 11:11	5/14/13 15:32	EPA 8270D
86-74-8	Carbazole	46	U	ug/kg dry	46	4/11/13 11:11	5/14/13 15:32	EPA 8270D
218-01-9	Chrysene	46	U	ug/kg dry	46	4/11/13 11:11	5/14/13 15:32	EPA 8270D
53-70-3	Dibenz(a,h)anthracene	46	U	ug/kg dry	46	4/11/13 11:11	5/14/13 15:32	EPA 8270D
132-64-9	Dibenzofuran	46	U	ug/kg dry	46	4/11/13 11:11	5/14/13 15:32	EPA 8270D
84-66-2	Diethyl phthalate	460	U	ug/kg dry	460	4/11/13 11:11	5/14/13 15:32	EPA 8270D
131-11-3	Dimethyl phthalate	460	U	ug/kg dry	460	4/11/13 11:11	5/14/13 15:32	EPA 8270D
84-74-2	Di-n-butylphthalate	460	U	ug/kg dry	460	4/11/13 11:11	5/14/13 15:32	EPA 8270D
117-84-0	Di-n-octylphthalate	460	U	ug/kg dry	460	4/11/13 11:11	5/14/13 15:32	EPA 8270D
206-44-0	Fluoranthene	46	U	ug/kg dry	46	4/11/13 11:11	5/14/13 15:32	EPA 8270D
86-73-7	Fluorene	46	U	ug/kg dry	46	4/11/13 11:11	5/14/13 15:32	EPA 8270D
118-74-1	Hexachlorobenzene (HCB)	46	U	ug/kg dry	46	4/11/13 11:11	5/14/13 15:32	EPA 8270D
77-47-4	Hexachlorocyclopentadiene (HCCP)	460	U	ug/kg dry	460	4/11/13 11:11	5/14/13 15:32	EPA 8270D
67-72-1	Hexachloroethane	460	U	ug/kg dry	460	4/11/13 11:11	5/14/13 15:32	EPA 8270D
193-39-5	Indeno (1,2,3-cd) pyrene	46	U	ug/kg dry	46	4/11/13 11:11	5/14/13 15:32	EPA 8270D

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
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980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Diana Burdette

Semi Volatile Organics

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-017-SF
Station ID: GML017
Lab ID: E131406-25
Matrix: Surface Soil

Date Collected: 4/3/13 12:56

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
78-59-1	Isophorone	460	U	ug/kg dry	460	4/11/13 11:11	5/14/13 15:32	EPA 8270D
91-20-3	Naphthalene	46	U	ug/kg dry	46	4/11/13 11:11	5/14/13 15:32	EPA 8270D
98-95-3	Nitrobenzene	460	U	ug/kg dry	460	4/11/13 11:11	5/14/13 15:32	EPA 8270D
621-64-7	n-Nitroso di-n-Propylamine	460	U	ug/kg dry	460	4/11/13 11:11	5/14/13 15:32	EPA 8270D
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	460	U	ug/kg dry	460	4/11/13 11:11	5/14/13 15:32	EPA 8270D
87-86-5	Pentachlorophenol	460	U	ug/kg dry	460	4/11/13 11:11	5/14/13 15:32	EPA 8270D
85-01-8	Phenanthrene	46	U	ug/kg dry	46	4/11/13 11:11	5/14/13 15:32	EPA 8270D
108-95-2	Phenol	460	U	ug/kg dry	460	4/11/13 11:11	5/14/13 15:32	EPA 8270D
129-00-0	Pyrene	46	U	ug/kg dry	46	4/11/13 11:11	5/14/13 15:32	EPA 8270D
Tentatively Identified Compounds:								
R4-8000284	Dihydrostigmasterol (TIC)	600	NJ	ug/kg dry		4/11/13 11:11	5/14/13 15:32	EPA 8270D
R4-6545	Octadecenoic acid, methyl ester (TIC)	500	NJ	ug/kg dry		4/11/13 11:11	5/14/13 15:32	EPA 8270D
R4-6500	Petroleum Product:		N			11:11 11:11	5/14/13 15:32	EPA 8270D
R4-6501	Unidentified Compounds	2000	J	ug/kg dry		4/11/13 11:11	5/14/13 15:32	EPA 8270D

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Diana Burdette

Semi Volatile Organics

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-019-GW
Station ID: GML019
Lab ID: E131407-01
Matrix: Groundwater

Date Collected: 4/4/13 17:05

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1319-77-3	(3-and/or 4-)Methylphenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 21:37	EPA 8270D
92-52-4	1,1-Biphenyl	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 21:37	EPA 8270D
90-12-0	1-Methylnaphthalene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 21:37	EPA 8270D
58-90-2	2,3,4,6-Tetrachlorophenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 21:37	EPA 8270D
95-95-4	2,4,5-Trichlorophenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 21:37	EPA 8270D
88-06-2	2,4,6-Trichlorophenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 21:37	EPA 8270D
120-83-2	2,4-Dichlorophenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 21:37	EPA 8270D
105-67-9	2,4-Dimethylphenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 21:37	EPA 8270D
51-28-5	2,4-Dinitrophenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 21:37	EPA 8270D
121-14-2	2,4-Dinitrotoluene	10	U	ug/L	10	4/08/13 9:28	4/23/13 21:37	EPA 8270D
606-20-2	2,6-Dinitrotoluene	10	U	ug/L	10	4/08/13 9:28	4/23/13 21:37	EPA 8270D
91-58-7	2-Chloronaphthalene	10	U	ug/L	10	4/08/13 9:28	4/23/13 21:37	EPA 8270D
95-57-8	2-Chlorophenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 21:37	EPA 8270D
534-52-1	2-Methyl-4,6-dinitrophenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 21:37	EPA 8270D
91-57-6	2-Methylnaphthalene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 21:37	EPA 8270D
95-48-7	2-Methylphenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 21:37	EPA 8270D
88-74-4	2-Nitroaniline	10	U	ug/L	10	4/08/13 9:28	4/23/13 21:37	EPA 8270D
88-75-5	2-Nitrophenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 21:37	EPA 8270D
91-94-1	3,3'-Dichlorobenzidine	10	U	ug/L	10	4/08/13 9:28	4/23/13 21:37	EPA 8270D
99-09-2	3-Nitroaniline	10	U	ug/L	10	4/08/13 9:28	4/23/13 21:37	EPA 8270D
101-55-3	4-Bromophenyl phenyl ether	10	U	ug/L	10	4/08/13 9:28	4/23/13 21:37	EPA 8270D
59-50-7	4-Chloro-3-methylphenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 21:37	EPA 8270D
106-47-8	4-Chloroaniline	10	U	ug/L	10	4/08/13 9:28	4/23/13 21:37	EPA 8270D
7005-72-3	4-Chlorophenyl phenyl ether	10	U	ug/L	10	4/08/13 9:28	4/23/13 21:37	EPA 8270D
100-01-6	4-Nitroaniline	10	U	ug/L	10	4/08/13 9:28	4/23/13 21:37	EPA 8270D
100-02-7	4-Nitrophenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 21:37	EPA 8270D
83-32-9	Acenaphthene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 21:37	EPA 8270D
208-96-8	Acenaphthylene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 21:37	EPA 8270D

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Diana Burdette

Semi Volatile Organics

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-019-GW
Station ID: GML019

Lab ID: E131407-01
Matrix: Groundwater

Date Collected: 4/4/13 17:05

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
98-86-2	Acetophenone	10	U	ug/L	10	4/08/13 9:28	4/23/13 21:37	EPA 8270D
120-12-7	Anthracene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 21:37	EPA 8270D
1912-24-9	Atrazine	10	U	ug/L	10	4/08/13 9:28	4/23/13 21:37	EPA 8270D
100-52-7	Benzaldehyde	10	U	ug/L	10	4/08/13 9:28	4/23/13 21:37	EPA 8270D
56-55-3	Benzo(a)anthracene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 21:37	EPA 8270D
50-32-8	Benzo(a)pyrene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 21:37	EPA 8270D
205-99-2	Benzo(b)fluoranthene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 21:37	EPA 8270D
191-24-2	Benzo(g,h,i)perylene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 21:37	EPA 8270D
207-08-9	Benzo(k)fluoranthene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 21:37	EPA 8270D
85-68-7	Benzyl butyl phthalate	10	U	ug/L	10	4/08/13 9:28	4/23/13 21:37	EPA 8270D
111-91-1	Bis(2-chloroethoxy)methane	10	U	ug/L	10	4/08/13 9:28	4/23/13 21:37	EPA 8270D
111-44-4	bis(2-Chloroethyl) Ether	10	U	ug/L	10	4/08/13 9:28	4/23/13 21:37	EPA 8270D
39638-32-9	Bis(2-chloroisopropyl) ether	10	U	ug/L	10	4/08/13 9:28	4/23/13 21:37	EPA 8270D
117-81-7	Bis(2-ethylhexyl) phthalate	10	U	ug/L	10	4/08/13 9:28	4/23/13 21:37	EPA 8270D
105-60-2	Caprolactam	10	U	ug/L	10	4/08/13 9:28	4/23/13 21:37	EPA 8270D
86-74-8	Carbazole	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 21:37	EPA 8270D
218-01-9	Chrysene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 21:37	EPA 8270D
53-70-3	Dibenz(a,h)anthracene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 21:37	EPA 8270D
132-64-9	Dibenzofuran	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 21:37	EPA 8270D
84-66-2	Diethyl phthalate	10	U	ug/L	10	4/08/13 9:28	4/23/13 21:37	EPA 8270D
131-11-3	Dimethyl phthalate	10	U	ug/L	10	4/08/13 9:28	4/23/13 21:37	EPA 8270D
84-74-2	Di-n-butylphthalate	10	U	ug/L	10	4/08/13 9:28	4/23/13 21:37	EPA 8270D
117-84-0	Di-n-octylphthalate	10	U	ug/L	10	4/08/13 9:28	4/23/13 21:37	EPA 8270D
206-44-0	Fluoranthene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 21:37	EPA 8270D
86-73-7	Fluorene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 21:37	EPA 8270D
118-74-1	Hexachlorobenzene (HCB)	10	U	ug/L	10	4/08/13 9:28	4/23/13 21:37	EPA 8270D
77-47-4	Hexachlorocyclopentadiene (HCCP)	10	U	ug/L	10	4/08/13 9:28	4/23/13 21:37	EPA 8270D
67-72-1	Hexachloroethane	10	U	ug/L	10	4/08/13 9:28	4/23/13 21:37	EPA 8270D
193-39-5	Indeno (1,2,3-cd) pyrene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 21:37	EPA 8270D

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Diana Burdette

Semi Volatile Organics

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-019-GW
Lab ID: E131407-01
Station ID: GML019
Matrix: Groundwater

Date Collected: 4/4/13 17:05

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
78-59-1	Isophorone	10	U	ug/L	10	4/08/13 9:28	4/23/13 21:37	EPA 8270D
91-20-3	Naphthalene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 21:37	EPA 8270D
98-95-3	Nitrobenzene	10	U	ug/L	10	4/08/13 9:28	4/23/13 21:37	EPA 8270D
621-64-7	n-Nitroso di-n-Propylamine	10	U	ug/L	10	4/08/13 9:28	4/23/13 21:37	EPA 8270D
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	10	U	ug/L	10	4/08/13 9:28	4/23/13 21:37	EPA 8270D
87-86-5	Pentachlorophenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 21:37	EPA 8270D
85-01-8	Phenanthrene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 21:37	EPA 8270D
108-95-2	Phenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 21:37	EPA 8270D
129-00-0	Pyrene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 21:37	EPA 8270D
Tentatively Identified Compounds:								
R4-0000	Tentatively Identified Compounds	10	U	ug/L	10	4/08/13 9:28	4/23/13 21:37	EPA 8270D

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
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Project: 13-0295, Greenwood Mills Liner Plt - Reported by Diana Burdette

Semi Volatile Organics

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-020-GW
Station ID: GML020

Lab ID: E131407-02
Matrix: Groundwater

Date Collected: 4/4/13 14:37

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1319-77-3	(3-and/or 4-)Methylphenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 22:09	EPA 8270D
92-52-4	1,1-Biphenyl	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 22:09	EPA 8270D
90-12-0	1-Methylnaphthalene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 22:09	EPA 8270D
58-90-2	2,3,4,6-Tetrachlorophenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 22:09	EPA 8270D
95-95-4	2,4,5-Trichlorophenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 22:09	EPA 8270D
88-06-2	2,4,6-Trichlorophenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 22:09	EPA 8270D
120-83-2	2,4-Dichlorophenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 22:09	EPA 8270D
105-67-9	2,4-Dimethylphenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 22:09	EPA 8270D
51-28-5	2,4-Dinitrophenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 22:09	EPA 8270D
121-14-2	2,4-Dinitrotoluene	10	U	ug/L	10	4/08/13 9:28	4/23/13 22:09	EPA 8270D
606-20-2	2,6-Dinitrotoluene	10	U	ug/L	10	4/08/13 9:28	4/23/13 22:09	EPA 8270D
91-58-7	2-Chloronaphthalene	10	U	ug/L	10	4/08/13 9:28	4/23/13 22:09	EPA 8270D
95-57-8	2-Chlorophenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 22:09	EPA 8270D
534-52-1	2-Methyl-4,6-dinitrophenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 22:09	EPA 8270D
91-57-6	2-Methylnaphthalene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 22:09	EPA 8270D
95-48-7	2-Methylphenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 22:09	EPA 8270D
88-74-4	2-Nitroaniline	10	U	ug/L	10	4/08/13 9:28	4/23/13 22:09	EPA 8270D
88-75-5	2-Nitrophenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 22:09	EPA 8270D
91-94-1	3,3'-Dichlorobenzidine	10	U	ug/L	10	4/08/13 9:28	4/23/13 22:09	EPA 8270D
99-09-2	3-Nitroaniline	10	U	ug/L	10	4/08/13 9:28	4/23/13 22:09	EPA 8270D
101-55-3	4-Bromophenyl phenyl ether	10	U	ug/L	10	4/08/13 9:28	4/23/13 22:09	EPA 8270D
59-50-7	4-Chloro-3-methylphenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 22:09	EPA 8270D
106-47-8	4-Chloroaniline	10	U	ug/L	10	4/08/13 9:28	4/23/13 22:09	EPA 8270D
7005-72-3	4-Chlorophenyl phenyl ether	10	U	ug/L	10	4/08/13 9:28	4/23/13 22:09	EPA 8270D
100-01-6	4-Nitroaniline	10	U	ug/L	10	4/08/13 9:28	4/23/13 22:09	EPA 8270D
100-02-7	4-Nitrophenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 22:09	EPA 8270D
83-32-9	Acenaphthene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 22:09	EPA 8270D
208-96-8	Acenaphthylene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 22:09	EPA 8270D

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Semi Volatile Organics

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-020-GW
Station ID: GML020

Lab ID: E131407-02
Matrix: Groundwater

Date Collected: 4/4/13 14:37

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
98-86-2	Acetophenone	10	U	ug/L	10	4/08/13 9:28	4/23/13 22:09	EPA 8270D
120-12-7	Anthracene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 22:09	EPA 8270D
1912-24-9	Atrazine	10	U	ug/L	10	4/08/13 9:28	4/23/13 22:09	EPA 8270D
100-52-7	Benzaldehyde	10	U	ug/L	10	4/08/13 9:28	4/23/13 22:09	EPA 8270D
56-55-3	Benzo(a)anthracene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 22:09	EPA 8270D
50-32-8	Benzo(a)pyrene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 22:09	EPA 8270D
205-99-2	Benzo(b)fluoranthene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 22:09	EPA 8270D
191-24-2	Benzo(g,h,i)perylene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 22:09	EPA 8270D
207-08-9	Benzo(k)fluoranthene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 22:09	EPA 8270D
85-68-7	Benzyl butyl phthalate	10	U	ug/L	10	4/08/13 9:28	4/23/13 22:09	EPA 8270D
111-91-1	Bis(2-chloroethoxy)methane	10	U	ug/L	10	4/08/13 9:28	4/23/13 22:09	EPA 8270D
111-44-4	bis(2-Chloroethyl) Ether	10	U	ug/L	10	4/08/13 9:28	4/23/13 22:09	EPA 8270D
39638-32-9	Bis(2-chloroisopropyl) ether	10	U	ug/L	10	4/08/13 9:28	4/23/13 22:09	EPA 8270D
117-81-7	Bis(2-ethylhexyl) phthalate	10	U	ug/L	10	4/08/13 9:28	4/23/13 22:09	EPA 8270D
105-60-2	Caprolactam	10	U	ug/L	10	4/08/13 9:28	4/23/13 22:09	EPA 8270D
86-74-8	Carbazole	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 22:09	EPA 8270D
218-01-9	Chrysene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 22:09	EPA 8270D
53-70-3	Dibenz(a,h)anthracene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 22:09	EPA 8270D
132-64-9	Dibenzofuran	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 22:09	EPA 8270D
84-66-2	Diethyl phthalate	10	U	ug/L	10	4/08/13 9:28	4/23/13 22:09	EPA 8270D
131-11-3	Dimethyl phthalate	10	U	ug/L	10	4/08/13 9:28	4/23/13 22:09	EPA 8270D
84-74-2	Di-n-butylphthalate	10	U	ug/L	10	4/08/13 9:28	4/23/13 22:09	EPA 8270D
117-84-0	Di-n-octylphthalate	10	U	ug/L	10	4/08/13 9:28	4/23/13 22:09	EPA 8270D
206-44-0	Fluoranthene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 22:09	EPA 8270D
86-73-7	Fluorene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 22:09	EPA 8270D
118-74-1	Hexachlorobenzene (HCB)	10	U	ug/L	10	4/08/13 9:28	4/23/13 22:09	EPA 8270D
77-47-4	Hexachlorocyclopentadiene (HCCP)	10	U	ug/L	10	4/08/13 9:28	4/23/13 22:09	EPA 8270D
67-72-1	Hexachloroethane	10	U	ug/L	10	4/08/13 9:28	4/23/13 22:09	EPA 8270D
193-39-5	Indeno (1,2,3-cd) pyrene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 22:09	EPA 8270D

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D.A.R.T. Id: 13-0295
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Semi Volatile Organics

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-020-GW
Station ID: GML020
Lab ID: E131407-02
Matrix: Groundwater

Date Collected: 4/4/13 14:37

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
78-59-1	Isophorone	10	U	ug/L	10	4/08/13 9:28	4/23/13 22:09	EPA 8270D
91-20-3	Naphthalene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 22:09	EPA 8270D
98-95-3	Nitrobenzene	10	U	ug/L	10	4/08/13 9:28	4/23/13 22:09	EPA 8270D
621-64-7	n-Nitroso di-n-Propylamine	10	U	ug/L	10	4/08/13 9:28	4/23/13 22:09	EPA 8270D
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	10	U	ug/L	10	4/08/13 9:28	4/23/13 22:09	EPA 8270D
87-86-5	Pentachlorophenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 22:09	EPA 8270D
85-01-8	Phenanthrene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 22:09	EPA 8270D
108-95-2	Phenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 22:09	EPA 8270D
129-00-0	Pyrene	2.0	U	ug/L	2.0	4/08/13 9:28	4/23/13 22:09	EPA 8270D
Tentatively Identified Compounds:								
R4-0000	Tentatively Identified Compounds	10	U	ug/L	10	4/08/13 9:28	4/23/13 22:09	EPA 8270D

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Diana Burdette

Semi Volatile Organics

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-021-GW
Station ID: GML021
Lab ID: E131407-03
Matrix: Groundwater

Date Collected: 4/4/13 12:52

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1319-77-3	(3-and/or 4-)Methylphenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 22:41	EPA 8270D
92-52-4	1,1-Biphenyl	2.1	U, J, QS-4	ug/L	2.1	4/08/13 9:28	4/23/13 22:41	EPA 8270D
90-12-0	1-Methylnaphthalene	2.1	U, J, QS-4	ug/L	2.1	4/08/13 9:28	4/23/13 22:41	EPA 8270D
58-90-2	2,3,4,6-Tetrachlorophenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 22:41	EPA 8270D
95-95-4	2,4,5-Trichlorophenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 22:41	EPA 8270D
88-06-2	2,4,6-Trichlorophenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 22:41	EPA 8270D
120-83-2	2,4-Dichlorophenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 22:41	EPA 8270D
105-67-9	2,4-Dimethylphenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 22:41	EPA 8270D
51-28-5	2,4-Dinitrophenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 22:41	EPA 8270D
121-14-2	2,4-Dinitrotoluene	10	U, J, QS-4	ug/L	10	4/08/13 9:28	4/23/13 22:41	EPA 8270D
606-20-2	2,6-Dinitrotoluene	10	U, J, QS-4	ug/L	10	4/08/13 9:28	4/23/13 22:41	EPA 8270D
91-58-7	2-Chloronaphthalene	10	U, J, QS-4	ug/L	10	4/08/13 9:28	4/23/13 22:41	EPA 8270D
95-57-8	2-Chlorophenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 22:41	EPA 8270D
534-52-1	2-Methyl-4,6-dinitrophenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 22:41	EPA 8270D
91-57-6	2-Methylnaphthalene	2.1	U, J, QS-4	ug/L	2.1	4/08/13 9:28	4/23/13 22:41	EPA 8270D
95-48-7	2-Methylphenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 22:41	EPA 8270D
88-74-4	2-Nitroaniline	10	U, J, QS-4	ug/L	10	4/08/13 9:28	4/23/13 22:41	EPA 8270D
88-75-5	2-Nitrophenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 22:41	EPA 8270D
91-94-1	3,3'-Dichlorobenzidine	10	U, J, QS-4	ug/L	10	4/08/13 9:28	4/23/13 22:41	EPA 8270D
99-09-2	3-Nitroaniline	10	U, J, QS-4	ug/L	10	4/08/13 9:28	4/23/13 22:41	EPA 8270D
101-55-3	4-Bromophenyl phenyl ether	10	U, J, QS-4	ug/L	10	4/08/13 9:28	4/23/13 22:41	EPA 8270D
59-50-7	4-Chloro-3-methylphenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 22:41	EPA 8270D
106-47-8	4-Chloroaniline	10	U, J, QS-4	ug/L	10	4/08/13 9:28	4/23/13 22:41	EPA 8270D
7005-72-3	4-Chlorophenyl phenyl ether	10	U, J, QS-4	ug/L	10	4/08/13 9:28	4/23/13 22:41	EPA 8270D
100-01-6	4-Nitroaniline	10	U, J, QS-4	ug/L	10	4/08/13 9:28	4/23/13 22:41	EPA 8270D
100-02-7	4-Nitrophenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 22:41	EPA 8270D
83-32-9	Acenaphthene	2.1	U, J, QS-4	ug/L	2.1	4/08/13 9:28	4/23/13 22:41	EPA 8270D
208-96-8	Acenaphthylene	2.1	U, J, QS-4	ug/L	2.1	4/08/13 9:28	4/23/13 22:41	EPA 8270D

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
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980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Diana Burdette

Semi Volatile Organics

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-021-GW
Station ID: GML021
Lab ID: E131407-03
Matrix: Groundwater

Date Collected: 4/4/13 12:52

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
98-86-2	Acetophenone	10	U, J, QS-4	ug/L	10	4/08/13 9:28	4/23/13 22:41	EPA 8270D
120-12-7	Anthracene	2.1	U, J, QS-4	ug/L	2.1	4/08/13 9:28	4/23/13 22:41	EPA 8270D
1912-24-9	Atrazine	10	U, J, QS-4	ug/L	10	4/08/13 9:28	4/23/13 22:41	EPA 8270D
100-52-7	Benzaldehyde	10	U, J, QS-4	ug/L	10	4/08/13 9:28	4/23/13 22:41	EPA 8270D
56-55-3	Benzo(a)anthracene	2.1	U, J, QS-4	ug/L	2.1	4/08/13 9:28	4/23/13 22:41	EPA 8270D
50-32-8	Benzo(a)pyrene	2.1	U, J, QS-4	ug/L	2.1	4/08/13 9:28	4/23/13 22:41	EPA 8270D
205-99-2	Benzo(b)fluoranthene	2.1	U, J, QS-4	ug/L	2.1	4/08/13 9:28	4/23/13 22:41	EPA 8270D
191-24-2	Benzo(g,h,i)perylene	2.1	U, J, QS-4	ug/L	2.1	4/08/13 9:28	4/23/13 22:41	EPA 8270D
207-08-9	Benzo(k)fluoranthene	2.1	U, J, QS-4	ug/L	2.1	4/08/13 9:28	4/23/13 22:41	EPA 8270D
85-68-7	Benzyl butyl phthalate	10	U, J, QS-4	ug/L	10	4/08/13 9:28	4/23/13 22:41	EPA 8270D
111-91-1	Bis(2-chloroethoxy)methane	10	U, J, QS-4	ug/L	10	4/08/13 9:28	4/23/13 22:41	EPA 8270D
111-44-4	bis(2-Chloroethyl) Ether	10	U, J, QS-4	ug/L	10	4/08/13 9:28	4/23/13 22:41	EPA 8270D
39638-32-9	Bis(2-chloroisopropyl) ether	10	U, J, QS-4	ug/L	10	4/08/13 9:28	4/23/13 22:41	EPA 8270D
117-81-7	Bis(2-ethylhexyl) phthalate	10	U, J, QS-4	ug/L	10	4/08/13 9:28	4/23/13 22:41	EPA 8270D
105-60-2	Caprolactam	10	U, J, QS-4	ug/L	10	4/08/13 9:28	4/23/13 22:41	EPA 8270D
86-74-8	Carbazole	2.1	U, J, QS-4	ug/L	2.1	4/08/13 9:28	4/23/13 22:41	EPA 8270D
218-01-9	Chrysene	2.1	U, J, QS-4	ug/L	2.1	4/08/13 9:28	4/23/13 22:41	EPA 8270D
53-70-3	Dibenz(a,h)anthracene	2.1	U, J, QS-4	ug/L	2.1	4/08/13 9:28	4/23/13 22:41	EPA 8270D
132-64-9	Dibenzofuran	2.1	U, J, QS-4	ug/L	2.1	4/08/13 9:28	4/23/13 22:41	EPA 8270D
84-66-2	Diethyl phthalate	10	U, J, QS-4	ug/L	10	4/08/13 9:28	4/23/13 22:41	EPA 8270D
131-11-3	Dimethyl phthalate	10	U, J, QS-4	ug/L	10	4/08/13 9:28	4/23/13 22:41	EPA 8270D
84-74-2	Di-n-butylphthalate	10	U, J, QS-4	ug/L	10	4/08/13 9:28	4/23/13 22:41	EPA 8270D
117-84-0	Di-n-octylphthalate	10	U, J, QS-4	ug/L	10	4/08/13 9:28	4/23/13 22:41	EPA 8270D
206-44-0	Fluoranthene	2.1	U, J, QS-4	ug/L	2.1	4/08/13 9:28	4/23/13 22:41	EPA 8270D
86-73-7	Fluorene	2.1	U, J, QS-4	ug/L	2.1	4/08/13 9:28	4/23/13 22:41	EPA 8270D
118-74-1	Hexachlorobenzene (HCB)	10	U, J, QS-4	ug/L	10	4/08/13 9:28	4/23/13 22:41	EPA 8270D
77-47-4	Hexachlorocyclopentadiene (HCCP)	10	U, J, QS-4	ug/L	10	4/08/13 9:28	4/23/13 22:41	EPA 8270D
67-72-1	Hexachloroethane	10	U, J, QS-4	ug/L	10	4/08/13 9:28	4/23/13 22:41	EPA 8270D
193-39-5	Indeno (1,2,3-cd) pyrene	2.1	U, J, QS-4	ug/L	2.1	4/08/13 9:28	4/23/13 22:41	EPA 8270D

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Project: 13-0295, Greenwood Mills Liner Plt - Reported by Diana Burdette

Semi Volatile Organics

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-021-GW
Station ID: GML021
Lab ID: E131407-03
Matrix: Groundwater

Date Collected: 4/4/13 12:52

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
78-59-1	Isophorone	10	U, J, QS-4	ug/L	10	4/08/13 9:28	4/23/13 22:41	EPA 8270D
91-20-3	Naphthalene	2.1	U, J, QS-4	ug/L	2.1	4/08/13 9:28	4/23/13 22:41	EPA 8270D
98-95-3	Nitrobenzene	10	U, J, QS-4	ug/L	10	4/08/13 9:28	4/23/13 22:41	EPA 8270D
621-64-7	n-Nitroso di-n-Propylamine	10	U, J, QS-4	ug/L	10	4/08/13 9:28	4/23/13 22:41	EPA 8270D
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	10	U, J, QS-4	ug/L	10	4/08/13 9:28	4/23/13 22:41	EPA 8270D
87-86-5	Pentachlorophenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 22:41	EPA 8270D
85-01-8	Phenanthrene	2.1	U, J, QS-4	ug/L	2.1	4/08/13 9:28	4/23/13 22:41	EPA 8270D
108-95-2	Phenol	10	U	ug/L	10	4/08/13 9:28	4/23/13 22:41	EPA 8270D
129-00-0	Pyrene	2.1	U, J, QS-4	ug/L	2.1	4/08/13 9:28	4/23/13 22:41	EPA 8270D
Tentatively Identified Compounds:								
R4-0000	Tentatively Identified Compounds	10	U	ug/L	10	4/08/13 9:28	4/23/13 22:41	EPA 8270D

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Project: 13-0295, Greenwood Mills Liner Plt - Reported by Diana Burdette

Semi Volatile Organics (SVOA) - Quality Control

US-EPA, Region 4, SESD

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1304036 - E 3520 LLE										
Blank (1304036-BLK1)				Prepared: 04/08/13 Analyzed: 04/23/13						
EPA 8270D										
bis(2-Chloroethyl) Ether	U	10	ug/L							U
Benzaldehyde	U	10	"							U
Hexachloroethane	U	10	"							U
Bis(2-chloroisopropyl) ether	U	10	"							U
n-Nitroso di-n-Propylamine	U	10	"							U
Acetophenone	U	10	"							U
Nitrobenzene	U	10	"							U
Caprolactam	U	10	"							U
1-Methylnaphthalene	U	2.0	"							U
2-Methylnaphthalene	U	2.0	"							U
Naphthalene	U	2.0	"							U
4-Chloroaniline	U	10	"							U
Bis(2-chloroethoxy)methane	U	10	"							U
Isophorone	U	10	"							U
Hexachlorocyclopentadiene (HCCP)	U	10	"							U
1,1-Biphenyl	U	2.0	"							U
2-Chloronaphthalene	U	10	"							U
2-Nitroaniline	U	10	"							U
Acenaphthylene	U	2.0	"							U
Acenaphthene	U	2.0	"							U
Dimethyl phthalate	U	10	"							U
Dibenzofuran	U	2.0	"							U
2,4-Dinitrotoluene	U	10	"							U
2,6-Dinitrotoluene	U	10	"							U
3-Nitroaniline	U	10	"							U
4-Chlorophenyl phenyl ether	U	10	"							U
4-Nitroaniline	U	10	"							U
Fluorene	U	2.0	"							U
Diethyl phthalate	U	10	"							U
n-Nitrosodiphenylamine/Diphenylamine	U	10	"							U
Hexachlorobenzene (HCB)	U	10	"							U
Atrazine	U	10	"							U
4-Bromophenyl phenyl ether	U	10	"							U
Phenanthrene	U	2.0	"							U
Anthracene	U	2.0	"							U
Carbazole	U	2.0	"							U
Di-n-butylphthalate	U	10	"							U
Fluoranthene	U	2.0	"							U
Pyrene	U	2.0	"							U

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Semi Volatile Organics (SVOA) - Quality Control

US-EPA, Region 4, SESD

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1304036 - E 3520 LLE										
Blank (1304036-BLK1)				Prepared: 04/08/13 Analyzed: 04/23/13						
Benzyl butyl phthalate	U	10	ug/L							U
Bis(2-ethylhexyl) phthalate	U	10	"							U
Benzo(a)anthracene	U	2.0	"							U
Chrysene	U	2.0	"							U
3,3'-Dichlorobenzidine	U	10	"							U
Di-n-octylphthalate	U	10	"							U
Benzo(b)fluoranthene	U	2.0	"							U
Benzo(k)fluoranthene	U	2.0	"							U
Benzo(a)pyrene	U	2.0	"							U
Indeno (1,2,3-cd) pyrene	U	2.0	"							U
Dibenz(a,h)anthracene	U	2.0	"							U
Benzo(g,h,i)perylene	U	2.0	"							U
2-Chlorophenol	U	10	"							U
2-Methylphenol	U	10	"							U
(3-and/or 4-)Methylphenol	U	10	"							U
2-Nitrophenol	U	10	"							U
Phenol	U	10	"							U
2,4-Dimethylphenol	U	10	"							U
2,4-Dichlorophenol	U	10	"							U
2,4,6-Trichlorophenol	U	10	"							U
2,4,5-Trichlorophenol	U	10	"							U
4-Chloro-3-methylphenol	U	10	"							U
2,4-Dinitrophenol	U	10	"							U
2-Methyl-4,6-dinitrophenol	U	10	"							U
Pentachlorophenol	U	10	"							U
4-Nitrophenol	U	10	"							U
2,3,4,6-Tetrachlorophenol	U	10	"							U
Tentatively Identified Compounds	U	10	"							U

Semi Volatile Organics (SVOA) - Quality Control

US-EPA, Region 4, SESD

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1304036 - E 3520 LLE										
LCS (1304036-BS1)				Prepared: 04/08/13 Analyzed: 04/23/13						
EPA 8270D										
bis(2-Chloroethyl) Ether	42.096	10	ug/L	60.000		70.2	57.8-95.7			
Benzaldehyde	63.403	10	"	60.000		106	48.2-89.1			QL-2
Hexachloroethane	35.776	10	"	60.000		59.6	10-69.8			
Bis(2-chloroisopropyl) ether	40.020	10	"	60.000		66.7	43.1-98.6			
n-Nitroso di-n-Propylamine	46.807	10	"	60.000		78.0	52.6-100			
Acetophenone	48.499	10	"	60.000		80.8	54.8-98			
Nitrobenzene	50.244	10	"	60.000		83.7	57.1-92.9			
Caprolactam	*34.380*	*10*	*"*	*60.000*		*57.3*	*47-99.2*			
1-Methylnaphthalene	41.567	2.0	"	60.000		69.3	51.9-94.3			
2-Methylnaphthalene	44.142	2.0	"	60.000		73.6	51.9-94.3			
Naphthalene	41.224	2.0	"	60.000		68.7	48.2-86.8			
4-Chloroaniline	23.036	10	"	60.000		38.4	36.3-106			QC-2
Bis(2-chloroethoxy)methane	40.002	10	"	60.000		66.7	62.3-96.2			
Isophorone	47.098	10	"	60.000		78.5	57.2-101			
Hexachlorocyclopentadiene (HCCP)	42.015	10	"	60.000		70.0	19.3-84.5			
1,1-Biphenyl	45.350	2.0	"	60.000		75.6	56.7-100			
2-Chloronaphthalene	47.420	10	"	60.000		79.0	55.9-100			
2-Nitroaniline	53.262	10	"	60.000		88.8	64.4-113			
Acenaphthylene	46.980	2.0	"	60.000		78.3	63.5-105			
Acenaphthene	47.664	2.0	"	60.000		79.4	65.2-102			
Dimethyl phthalate	46.151	10	"	60.000		76.9	69.1-105			
Dibenzofuran	48.487	2.0	"	60.000		80.8	66-99.9			
2,4-Dinitrotoluene	54.776	10	"	60.000		91.3	72.3-109			
2,6-Dinitrotoluene	56.241	10	"	60.000		93.7	73.4-106			
3-Nitroaniline	53.195	10	"	60.000		88.7	68.4-106			
4-Chlorophenyl phenyl ether	44.779	10	"	60.000		74.6	69.9-108			
4-Nitroaniline	66.517	10	"	60.000		111	65.3-112			
Fluorene	51.893	2.0	"	60.000		86.5	71.8-106			
Diethyl phthalate	46.574	10	"	60.000		77.6	65.4-115			
n-Nitrosodiphenylamine/Diphenylamine	53.722	10	"	60.000		89.5	65.8-113			
Hexachlorobenzene (HCB)	35.506	10	"	60.000		59.2	57.9-124			
Atrazine	33.727	10	"	60.000		56.2	27.7-166			
4-Bromophenyl phenyl ether	46.095	10	"	60.000		76.8	63.8-123			
Phenanthrene	50.014	2.0	"	60.000		83.4	51.7-142			
Anthracene	49.692	2.0	"	60.000		82.8	66.2-120			
Carbazole	53.644	2.0	"	60.000		89.4	65.1-124			
Di-n-butylphthalate	48.434	10	"	60.000		80.7	65.2-124			
Fluoranthene	56.129	2.0	"	60.000		93.5	59.6-131			
Pyrene	48.260	2.0	"	60.000		80.4	61.6-126			

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Semi Volatile Organics (SVOA) - Quality Control

US-EPA, Region 4, SESD

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1304036 - E 3520 LLE										
LCS (1304036-BS1)				Prepared: 04/08/13 Analyzed: 04/23/13						
Benzyl butyl phthalate	51.293	10	ug/L	60.000		85.5	64.6-121			
Bis(2-ethylhexyl) phthalate	53.975	10	"	60.000		90.0	60.2-125			
Benzo(a)anthracene	54.521	2.0	"	60.000		90.9	73.5-111			
Chrysene	52.383	2.0	"	60.000		87.3	72-110			
3,3'-Dichlorobenzidine	67.176	10	"	60.000		112	47.4-104			QC-2, QL-2
Di-n-octylphthalate	72.826	10	"	60.000		121	49.1-133			QC-2
Benzo(b)fluoranthene	57.880	2.0	"	60.000		96.5	65.7-112			
Benzo(k)fluoranthene	54.046	2.0	"	60.000		90.1	56.8-126			
Benzo(a)pyrene	55.881	2.0	"	60.000		93.1	66.2-113			
Indeno (1,2,3-cd) pyrene	47.200	2.0	"	60.000		78.7	59.3-125			
Dibenz(a,h)anthracene	47.485	2.0	"	60.000		79.1	59.7-124			
Benzo(g,h,i)perylene	45.511	2.0	"	60.000		75.9	56.3-120			
2-Chlorophenol	44.515	10	"	60.000		74.2	53.9-93.8			
2-Methylphenol	44.159	10	"	60.000		73.6	55.6-93			
(3-and/or 4-)Methylphenol	45.633	10	"	60.000		76.1	54.3-95.9			
2-Nitrophenol	48.604	10	"	60.000		81.0	58.4-99.8			
Phenol	40.258	10	"	60.000		67.1	51.3-93.1			
2,4-Dimethylphenol	46.376	10	"	60.000		77.3	40.1-102			
2,4-Dichlorophenol	47.688	10	"	60.000		79.5	60.3-100			
2,4,6-Trichlorophenol	49.083	10	"	60.000		81.8	66-109			
2,4,5-Trichlorophenol	50.803	10	"	60.000		84.7	69.2-109			
4-Chloro-3-methylphenol	48.447	10	"	60.000		80.7	67.3-104			
2,4-Dinitrophenol	77.339	10	"	90.000		85.9	48.8-126			
2-Methyl-4,6-dinitrophenol	51.640	10	"	60.000		86.1	43-162			
Pentachlorophenol	51.965	10	"	60.000		86.6	64.5-134			
4-Nitrophenol	45.416	10	"	60.000		75.7	58.1-114			
2,3,4,6-Tetrachlorophenol	48.635	10	"	60.000		81.1	73.3-115			

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Semi Volatile Organics (SVOA) - Quality Control

US-EPA, Region 4, SESD

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1304036 - E 3520 LLE										
Matrix Spike (1304036-MS1)		**Source: E131406-15**		Prepared: 04/08/13 Analyzed: 04/23/13						
EPA 8270D										
bis(2-Chloroethyl) Ether	34.568	10	ug/L	60.302	U	57.3	45.2-100			
Benzaldehyde	56.000	10	"	60.302	U	92.9	43.2-90.8			QM-2
Hexachloroethane	35.900	10	"	60.302	U	59.5	10-93.7			
Bis(2-chloroisopropyl) ether	32.832	10	"	60.302	U	54.4	25.9-104			
n-Nitroso di-n-Propylamine	38.426	10	"	60.302	U	63.7	42-99.9			
Acetophenone	40.791	10	"	60.302	U	67.6	43.1-100			
Nitrobenzene	42.590	10	"	60.302	U	70.6	49.9-95.2			
Caprolactam	31.720	10	"	60.302	U	52.6	34.9-103			
1-Methylnaphthalene	39.460	2.0	"	60.302	U	65.4	52.6-95.5			
2-Methylnaphthalene	41.845	2.0	"	60.302	U	69.4	52.6-95.5			
Naphthalene	38.202	2.0	"	60.302	U	63.4	49-89.1			
4-Chloroaniline	20.860	10	"	60.302	U	34.6	13.9-103			QC-2
Bis(2-chloroethoxy)methane	33.349	10	"	60.302	U	55.3	51.1-98.8			
Isophorone	39.057	10	"	60.302	U	64.8	45.4-101			
Hexachlorocyclopentadiene (HCCP)	39.941	10	"	60.302	U	66.2	27.1-92.1			
1,1-Biphenyl	43.016	2.0	"	60.302	U	71.3	46.7-108			
2-Chloronaphthalene	45.538	10	"	60.302	U	75.5	46.9-109			
2-Nitroaniline	45.360	10	"	60.302	U	75.2	57.7-112			
Acenaphthylene	44.335	2.0	"	60.302	U	73.5	48.9-114			
Acenaphthene	45.595	2.0	"	60.302	U	75.6	53.5-109			
Dimethyl phthalate	38.721	10	"	60.302	U	64.2	62.2-103			
Dibenzofuran	46.430	2.0	"	60.302	U	77.0	59-103			
2,4-Dinitrotoluene	50.677	10	"	60.302	U	84.0	68.6-108			
2,6-Dinitrotoluene	50.244	10	"	60.302	U	83.3	67.6-106			
3-Nitroaniline	43.102	10	"	60.302	U	71.5	43.8-116			
4-Chlorophenyl phenyl ether	42.868	10	"	60.302	U	71.1	62.5-113			
4-Nitroaniline	62.874	10	"	60.302	U	104	44.6-121			
Fluorene	49.237	2.0	"	60.302	U	81.7	68.1-108			
Diethyl phthalate	40.100	10	"	60.302	U	66.5	35.1-131			
n-Nitrosodiphenylamine/Diphenylamine	45.697	10	"	60.302	U	75.8	56.8-115			
Hexachlorobenzene (HCB)	32.980	10	"	60.302	U	54.7	54.4-123			
Atrazine	24.142	10	"	60.302	U	40.0	22.5-148			
4-Bromophenyl phenyl ether	43.820	10	"	60.302	U	72.7	60.8-123			
Phenanthrene	47.983	2.0	"	60.302	U	79.6	51.9-135			
Anthracene	47.889	2.0	"	60.302	U	79.4	60.3-121			
Carbazole	56.088	2.0	"	60.302	U	93.0	59.2-129			
Di-n-butylphthalate	45.234	10	"	60.302	U	75.0	60-123			
Fluoranthene	50.909	2.0	"	60.302	U	84.4	57.1-125			
Pyrene	46.894	2.0	"	60.302	U	77.8	59.8-122			

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Semi Volatile Organics (SVOA) - Quality Control

US-EPA, Region 4, SESD

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1304036 - E 3520 LLE										
Matrix Spike (1304036-MS1)		**Source: E131406-15**		Prepared: 04/08/13 Analyzed: 04/23/13						
Benzyl butyl phthalate	45.747	10	ug/L	60.302	U	75.9	55.2-122			
Bis(2-ethylhexyl) phthalate	47.450	10	"	60.302	U	78.7	54.1-125			
Benzo(a)anthracene	50.184	2.0	"	60.302	U	83.2	63.6-114			
Chrysene	50.019	2.0	"	60.302	U	82.9	61.9-114			
3,3'-Dichlorobenzidine	16.283	10	"	60.302	U	27.0	10-119			QC-2
Di-n-octylphthalate	67.025	10	"	60.302	U	111	44.9-134			QC-2
Benzo(b)fluoranthene	54.869	2.0	"	60.302	U	91.0	54.1-120			
Benzo(k)fluoranthene	51.231	2.0	"	60.302	U	85.0	49.6-125			
Benzo(a)pyrene	52.443	2.0	"	60.302	U	87.0	53.1-119			
Indeno (1,2,3-cd) pyrene	44.109	2.0	"	60.302	U	73.1	47.8-129			
Dibenz(a,h)anthracene	45.088	2.0	"	60.302	U	74.8	52.3-123			
Benzo(g,h,i)perylene	42.225	2.0	"	60.302	U	70.0	43.9-123			
2-Chlorophenol	37.813	10	"	60.302	U	62.7	44.6-94.6			
2-Methylphenol	37.579	10	"	60.302	U	62.3	47.2-93.7			
(3-and/or 4-)Methylphenol	39.171	10	"	60.302	U	65.0	46.7-95.5			
2-Nitrophenol	41.115	10	"	60.302	U	68.2	48.9-101			
Phenol	34.629	10	"	60.302	U	57.4	39.3-95.2			
2,4-Dimethylphenol	41.496	10	"	60.302	U	68.8	42-101			
2,4-Dichlorophenol	40.346	10	"	60.302	U	66.9	51.2-102			
2,4,6-Trichlorophenol	42.007	10	"	60.302	U	69.7	59.7-111			
2,4,5-Trichlorophenol	44.340	10	"	60.302	U	73.5	64.8-109			
4-Chloro-3-methylphenol	41.312	10	"	60.302	U	68.5	62.4-104			
2,4-Dinitrophenol	71.406	10	"	90.452	U	78.9	54.7-121			
2-Methyl-4,6-dinitrophenol	45.834	10	"	60.302	U	76.0	50.5-145			
Pentachlorophenol	47.888	10	"	60.302	U	79.4	58.1-135			
4-Nitrophenol	40.592	10	"	60.302	U	67.3	50-117			
2,3,4,6-Tetrachlorophenol	43.423	10	"	60.302	U	72.0	70.2-112			

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1304036 - E 3520 LLE										
Matrix Spike Dup (1304036-MSD1)		**Source: E131406-15**		Prepared: 04/08/13 Analyzed: 04/23/13						
EPA 8270D										
bis(2-Chloroethyl) Ether	35.654	10	ug/L	60.000	U	59.4	45.2-100	3.09	19.1	
Benzaldehyde	59.413	10	"	60.000	U	99.0	43.2-90.8	5.91	23.1	QM-2
Hexachloroethane	36.739	10	"	60.000	U	61.2	10-93.7	2.31	46.7	
Bis(2-chloroisopropyl) ether	32.744	10	"	60.000	U	54.6	25.9-104	0.269	22.2	
n-Nitroso di-n-Propylamine	38.690	10	"	60.000	U	64.5	42-99.9	0.684	14.3	
Acetophenone	41.170	10	"	60.000	U	68.6	43.1-100	0.925	16.2	
Nitrobenzene	42.984	10	"	60.000	U	71.6	49.9-95.2	0.921	14.1	
Caprolactam	30.575	10	"	60.000	U	51.0	34.9-103	3.67	24.2	
1-Methylnaphthalene	39.063	2.0	"	60.000	U	65.1	52.6-95.5	1.01	14	
2-Methylnaphthalene	41.962	2.0	"	60.000	U	69.9	52.6-95.5	0.279	14	
Naphthalene	38.674	2.0	"	60.000	U	64.5	49-89.1	1.23	20.8	
4-Chloroaniline	20.266	10	"	60.000	U	33.8	13.9-103	2.89	32.8	QC-2
Bis(2-chloroethoxy)methane	33.425	10	"	60.000	U	55.7	51.1-98.8	0.228	15.6	
Isophorone	38.734	10	"	60.000	U	64.6	45.4-101	0.831	11.7	
Hexachlorocyclopentadiene (HCCP)	36.203	10	"	60.000	U	60.3	27.1-92.1	9.82	38	
1,1-Biphenyl	42.684	2.0	"	60.000	U	71.1	46.7-108	0.775	17.6	
2-Chloronaphthalene	44.580	10	"	60.000	U	74.3	46.9-109	2.13	19.4	
2-Nitroaniline	45.865	10	"	60.000	U	76.4	57.7-112	1.11	10.1	
Acenaphthylene	43.655	2.0	"	60.000	U	72.8	48.9-114	1.54	13.4	
Acenaphthene	44.818	2.0	"	60.000	U	74.7	53.5-109	1.72	19.7	
Dimethyl phthalate	38.453	10	"	60.000	U	64.1	62.2-103	0.694	10	
Dibenzofuran	46.090	2.0	"	60.000	U	76.8	59-103	0.735	11.4	
2,4-Dinitrotoluene	49.381	10	"	60.000	U	82.3	68.6-108	2.59	10.3	
2,6-Dinitrotoluene	49.044	10	"	60.000	U	81.7	67.6-106	2.42	12.5	
3-Nitroaniline	42.666	10	"	60.000	U	71.1	43.8-116	1.02	16	
4-Chlorophenyl phenyl ether	41.653	10	"	60.000	U	69.4	62.5-113	2.88	12.8	
4-Nitroaniline	60.771	10	"	60.000	U	101	44.6-121	3.40	19.8	
Fluorene	49.055	2.0	"	60.000	U	81.8	68.1-108	0.371	12.4	
Diethyl phthalate	39.530	10	"	60.000	U	65.9	35.1-131	1.43	20.7	
n-Nitrosodiphenylamine/Diphenylamine	44.635	10	"	60.000	U	74.4	56.8-115	2.35	15.2	
Hexachlorobenzene (HCB)	32.289	10	"	60.000	U	53.8	54.4-123	2.12	11.5	QM-1
Atrazine	24.177	10	"	60.000	U	40.3	22.5-148	0.146	17.1	
4-Bromophenyl phenyl ether	43.237	10	"	60.000	U	72.1	60.8-123	1.34	12.3	
Phenanthrene	46.731	2.0	"	60.000	U	77.9	51.9-135	2.64	15.1	
Anthracene	46.950	2.0	"	60.000	U	78.2	60.3-121	1.98	10.5	
Carbazole	54.624	2.0	"	60.000	U	91.0	59.2-129	2.65	10.3	
Di-n-butylphthalate	44.347	10	"	60.000	U	73.9	60-123	1.98	11.2	
Fluoranthene	48.870	2.0	"	60.000	U	81.4	57.1-125	4.09	14.6	
Pyrene	45.342	2.0	"	60.000	U	75.6	59.8-122	3.37	13.9	

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Semi Volatile Organics (SVOA) - Quality Control

US-EPA, Region 4, SESD

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1304036 - E 3520 LLE										
Matrix Spike Dup (1304036-MSD1)	**Source: E131406-15**			Prepared: 04/08/13 Analyzed: 04/23/13						
Benzyl butyl phthalate	44.772	10	ug/L	60.000	U	74.6	55.2-122	2.15	16.5	
Bis(2-ethylhexyl) phthalate	47.656	10	"	60.000	U	79.4	54.1-125	0.433	21.6	
Benzo(a)anthracene	48.050	2.0	"	60.000	U	80.1	63.6-114	4.34	10	
Chrysene	48.649	2.0	"	60.000	U	81.1	61.9-114	2.78	10	
3,3'-Dichlorobenzidine	16.275	10	"	60.000	U	27.1	10-119	0.0517	38.6	QC-2
Di-n-octylphthalate	67.498	10	"	60.000	U	112	44.9-134	0.703	23.5	QC-2
Benzo(b)fluoranthene	55.947	2.0	"	60.000	U	93.2	54.1-120	1.94	13.6	
Benzo(k)fluoranthene	52.927	2.0	"	60.000	U	88.2	49.6-125	3.26	21.1	
Benzo(a)pyrene	50.445	2.0	"	60.000	U	84.1	53.1-119	3.88	15.1	
Indeno (1,2,3-cd) pyrene	41.752	2.0	"	60.000	U	69.6	47.8-129	5.49	22.5	
Dibenz(a,h)anthracene	42.942	2.0	"	60.000	U	71.6	52.3-123	4.88	21.7	
Benzo(g,h,i)perylene	40.490	2.0	"	60.000	U	67.5	43.9-123	4.20	22.7	
2-Chlorophenol	38.553	10	"	60.000	U	64.3	44.6-94.6	1.94	18.5	
2-Methylphenol	38.282	10	"	60.000	U	63.8	47.2-93.7	1.85	14	
(3-and/or 4-)Methylphenol	39.102	10	"	60.000	U	65.2	46.7-95.5	0.176	13.9	
2-Nitrophenol	41.618	10	"	60.000	U	69.4	48.9-101	1.22	14.7	
Phenol	34.801	10	"	60.000	U	58.0	39.3-95.2	0.495	16.8	
2,4-Dimethylphenol	40.907	10	"	60.000	U	68.2	42-101	1.43	18.9	
2,4-Dichlorophenol	40.163	10	"	60.000	U	66.9	51.2-102	0.454	12.9	
2,4,6-Trichlorophenol	40.596	10	"	60.000	U	67.7	59.7-111	3.42	10.7	
2,4,5-Trichlorophenol	43.934	10	"	60.000	U	73.2	64.8-109	0.919	10	
4-Chloro-3-methylphenol	41.286	10	"	60.000	U	68.8	62.4-104	0.0619	10	
2,4-Dinitrophenol	70.417	10	"	90.000	U	78.2	54.7-121	1.39	17	
2-Methyl-4,6-dinitrophenol	44.499	10	"	60.000	U	74.2	50.5-145	2.96	19.4	
Pentachlorophenol	45.992	10	"	60.000	U	76.7	58.1-135	4.04	18.3	
4-Nitrophenol	38.877	10	"	60.000	U	64.8	50-117	4.32	16.7	
2,3,4,6-Tetrachlorophenol	42.727	10	"	60.000	U	71.2	70.2-112	1.62	20.8	

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Semi Volatile Organics (SVOA) - Quality Control

US-EPA, Region 4, SESD

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1304036 - E 3520 LLE										
MRL Verification (1304036-PS1)				Prepared: 04/08/13 Analyzed: 04/23/13						
EPA 8270D										
bis(2-Chloroethyl) Ether	5.6900	10	ug/L	10.000		56.9	37.8-116			MRL-2, Q-2, J
Benzaldehyde	9.8430	10	"	10.000		98.4	28.2-109			MRL-2, Q-2, J
Hexachloroethane	4.1810	10	"	10.000		41.8	10-89.8			MRL-2, Q-2, J
Bis(2-chloroisopropyl) ether	5.1830	10	"	10.000		51.8	23.1-119			MRL-2, Q-2, J
n-Nitroso di-n-Propylamine	6.5180	10	"	10.000		65.2	32.6-120			MRL-2, Q-2, J
Acetophenone	6.8090	10	"	10.000		68.1	34.8-118			MRL-2, Q-2, J
Nitrobenzene	7.2220	10	"	10.000		72.2	37.1-112.9			MRL-2, Q-2, J
Caprolactam	5.0350	10	"	10.000		50.4	27-119			MRL-2, Q-2, J
1-Methylnaphthalene	1.4260	2.0	"	2.0000		71.3	31.9-114			MRL-2, Q-2, J
2-Methylnaphthalene	1.5830	2.0	"	2.0000		79.2	31.9-114			MRL-2, Q-2, J
Naphthalene	1.7060	2.0	"	2.0000		85.3	28.2-107			MRL-2, Q-2, J
4-Chloroaniline	2.4440	10	"	10.000		24.4	16.3-126			MRL-2, Q-2, QC-2, J
Bis(2-chloroethoxy)methane	5.9480	10	"	10.000		59.5	42.3-116			MRL-2, Q-2, J
Isophorone	7.0670	10	"	10.000		70.7	37.2-121			MRL-2, Q-2, J
Hexachlorocyclopentadiene (HCCP)	4.3170	10	"	10.000		43.2	10-104			MRL-2, Q-2, J
1,1-Biphenyl	1.6560	2.0	"	2.0000		82.8	36.7-120			MRL-2, Q-2, J
2-Chloronaphthalene	6.7390	10	"	10.000		67.4	35.9-120			MRL-2, Q-2, J
2-Nitroaniline	8.1380	10	"	10.000		81.4	44.4-133			MRL-2, Q-2, J
Acenaphthylene	1.7770	2.0	"	2.0000		88.8	43.5-125			MRL-2, Q-2, J
Acenaphthene	1.6560	2.0	"	2.0000		82.8	45.2-122			MRL-2, Q-2, J
Dimethyl phthalate	7.5800	10	"	10.000		75.8	49.1-125			MRL-2, Q-2, J
Dibenzofuran	1.8410	2.0	"	2.0000		92.0	46-120			MRL-2, Q-2, J
2,4-Dinitrotoluene	8.3670	10	"	10.000		83.7	52.3-129			MRL-2, Q-2, J

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Semi Volatile Organics (SVOA) - Quality Control

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1304036 - E 3520 LLE										
MRL Verification (1304036-PS1)				Prepared: 04/08/13 Analyzed: 04/23/13						
2,6-Dinitrotoluene	7.9290	10	ug/L	10.000		79.3	53.4-126			MRL-2, Q-2, J
3-Nitroaniline	8.7090	10	"	10.000		87.1	48.4-126			MRL-2, Q-2, J
4-Chlorophenyl phenyl ether	6.8610	10	"	10.000		68.6	46.9-128			MRL-2, Q-2, J
4-Nitroaniline	12.321	10	"	10.000		123	45.3-132			MRL-2
Fluorene	1.8550	2.0	"	2.0000		92.8	51.8-126			MRL-2, Q-2, J
Diethyl phthalate	7.8900	10	"	10.000		78.9	45.4-135			MRL-2, Q-2, J
n-Nitrosodiphenylamine/Diphenylamine	7.9820	10	"	10.000		79.8	45.8-133			MRL-2, Q-2, J
Hexachlorobenzene (HCB)	4.6980	10	"	10.000		47.0	37.9-144			MRL-2, Q-2, J
Atrazine	6.7600	10	"	10.000		67.6	10-186			MRL-2, Q-2, J
4-Bromophenyl phenyl ether	6.4520	10	"	10.000		64.5	43.8-143			MRL-2, Q-2, J
Phenanthrene	1.8960	2.0	"	2.0000		94.8	31.7-162			MRL-2, Q-2, J
Anthracene	1.8160	2.0	"	2.0000		90.8	46.2-140			MRL-2, Q-2, J
Carbazole	2.1820	2.0	"	2.0000		109	45.1-144			MRL-2
Di-n-butylphthalate	8.9000	10	"	10.000		89.0	45.2-144			MRL-2, Q-2, J
Fluoranthene	1.9870	2.0	"	2.0000		99.4	39.6-151			MRL-2, Q-2, J
Pyrene	1.8580	2.0	"	2.0000		92.9	41.6-146			Q-2, MRL-2, J
Benzyl butyl phthalate	7.4010	10	"	10.000		74.0	44.6-141			MRL-2, Q-2, J
Bis(2-ethylhexyl) phthalate	6.9780	10	"	10.000		69.8	40.2-145			MRL-2, Q-2, J
Benzo(a)anthracene	1.8630	2.0	"	2.0000		93.2	53.5-131			MRL-2, Q-2, J
Chrysene	1.8520	2.0	"	2.0000		92.6	52-130			MRL-2, Q-2, J
3,3'-Dichlorobenzidine	9.6420	10	"	10.000		96.4	27.4-124			MRL-2, Q-2, QC-2, J
Di-n-octylphthalate	7.4620	10	"	10.000		74.6	29.1-153			MRL-2, Q-2, QC-2, J
Benzo(b)fluoranthene	1.7190	2.0	"	2.0000		86.0	45.7-132			MRL-2, Q-2, J
Benzo(k)fluoranthene	1.6610	2.0	"	2.0000		83.0	36.8-146			MRL-2, Q-2, J

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Semi Volatile Organics (SVOA) - Quality Control

US-EPA, Region 4, SESD

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1304036 - E 3520 LLE										
MRL Verification (1304036-PS1)				Prepared: 04/08/13 Analyzed: 04/23/13						
Benzo(a)pyrene	1.6820	2.0	ug/L	2.0000		84.1	46.2-133			MRL-2, Q-2, J
Indeno (1,2,3-cd) pyrene	1.6120	2.0	"	2.0000		80.6	39.3-145			MRL-2, Q-2, J
Dibenz(a,h)anthracene	1.6270	2.0	"	2.0000		81.4	39.7-144			MRL-2, Q-2, J
Benzo(g,h,i)perylene	1.6710	2.0	"	2.0000		83.6	36.3-140			MRL-2, Q-2, J
2-Chlorophenol	5.9500	10	"	10.000		59.5	33.9-114			MRL-2, Q-2, J
2-Methylphenol	5.8610	10	"	10.000		58.6	35.6-113			MRL-2, Q-2, J
(3-and/or 4-)Methylphenol	5.9740	10	"	10.000		59.7	34.3-116			MRL-2, Q-2, J
2-Nitrophenol	6.0490	10	"	10.000		60.5	38.4-120			MRL-2, Q-2, J
Phenol	5.6830	10	"	10.000		56.8	31.3-113			MRL-2, Q-2, J
2,4-Dimethylphenol	5.8450	10	"	10.000		58.4	20.1-122			MRL-2, Q-2, J
2,4-Dichlorophenol	6.2460	10	"	10.000		62.5	40.3-120			MRL-2, Q-2, J
2,4,6-Trichlorophenol	6.0500	10	"	10.000		60.5	46-129			MRL-2, Q-2, J
2,4,5-Trichlorophenol	6.6680	10	"	10.000		66.7	49.2-129			MRL-2, Q-2, J
4-Chloro-3-methylphenol	6.4390	10	"	10.000		64.4	47.3-124			MRL-2, Q-2, J
2,4-Dinitrophenol	5.3680	10	"	10.000		53.7	28.8-146			MRL-2, Q-2, J
2-Methyl-4,6-dinitrophenol	5.8230	10	"	10.000		58.2	23-182			MRL-2, Q-2, J
Pentachlorophenol	5.4250	10	"	10.000		54.2	24.5-154			MRL-2, Q-2, J
4-Nitrophenol	6.2050	10	"	10.000		62.0	38.1-134			MRL-2, Q-2, J
2,3,4,6-Tetrachlorophenol	6.0440	10	"	10.000		60.4	53.3-135			MRL-2, Q-2, J
Batch 1304054 - E 3545A Modified										
Blank (1304054-BLK1)				Prepared: 04/11/13 Analyzed: 05/14/13						
EPA 8270D										
bis(2-Chloroethyl) Ether	U	330	ug/kg dry							U
Benzaldehyde	U	330	"							U
Hexachloroethane	U	330	"							U
Bis(2-chloroisopropyl) ether	U	330	"							U

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1304054 - E 3545A Modified										
Blank (1304054-BLK1)				Prepared: 04/11/13 Analyzed: 05/14/13						
n-Nitroso di-n-Propylamine	U	330	ug/kg dry							U
Acetophenone	U	330	"							U
Nitrobenzene	U	330	"							U
Caprolactam	U	330	"							U
1-Methylnaphthalene	U	33	"							U
2-Methylnaphthalene	U	33	"							U
Naphthalene	U	33	"							U
4-Chloroaniline	U	330	"							U
Bis(2-chloroethoxy)methane	U	330	"							U
Isophorone	U	330	"							U
Hexachlorocyclopentadiene (HCCP)	U	330	"							U
1,1-Biphenyl	U	33	"							U
2-Chloronaphthalene	U	330	"							U
2-Nitroaniline	U	330	"							U
Acenaphthylene	U	33	"							U
Acenaphthene	U	33	"							U
Dimethyl phthalate	U	330	"							U
Dibenzofuran	U	33	"							U
2,4-Dinitrotoluene	U	330	"							U
2,6-Dinitrotoluene	U	330	"							U
3-Nitroaniline	U	330	"							U
4-Chlorophenyl phenyl ether	U	330	"							U
4-Nitroaniline	U	330	"							U
Fluorene	U	33	"							U
Diethyl phthalate	U	330	"							U
n-Nitrosodiphenylamine/Diphenylamine	U	330	"							U
Hexachlorobenzene (HCB)	U	33	"							U
Atrazine	U	330	"							U
4-Bromophenyl phenyl ether	U	330	"							U
Phenanthrene	U	33	"							U
Anthracene	U	33	"							U
Carbazole	U	33	"							U
Di-n-butylphthalate	U	330	"							U
Fluoranthene	U	33	"							U
Pyrene	U	33	"							U
Benzyl butyl phthalate	U	330	"							U
Bis(2-ethylhexyl) phthalate	U	330	"							U
Benzo(a)anthracene	U	33	"							U
Chrysene	U	33	"							U
3,3'-Dichlorobenzidine	U	330	"							U

Semi Volatile Organics (SVOA) - Quality Control

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1304054 - E 3545A Modified										
Blank (1304054-BLK1)				Prepared: 04/11/13 Analyzed: 05/14/13						
Di-n-octylphthalate	U	330	ug/kg dry							U
Benzo(b)fluoranthene	U	33	"							U
Benzo(k)fluoranthene	U	33	"							U
Benzo(a)pyrene	U	33	"							U
Indeno (1,2,3-cd) pyrene	U	33	"							U
Dibenz(a,h)anthracene	U	33	"							U
Benzo(g,h,i)perylene	U	33	"							U
2-Chlorophenol	U	330	"							U
2-Methylphenol	U	330	"							U
(3-and/or 4-)Methylphenol	U	330	"							U
2-Nitrophenol	U	330	"							U
Phenol	U	330	"							U
2,4-Dimethylphenol	U	330	"							U
2,4-Dichlorophenol	U	330	"							U
2,4,6-Trichlorophenol	U	330	"							U
2,4,5-Trichlorophenol	U	330	"							U
4-Chloro-3-methylphenol	U	330	"							U
2,4-Dinitrophenol	U	330	"							U
2-Methyl-4,6-dinitrophenol	U	330	"							U
Pentachlorophenol	U	330	"							U
4-Nitrophenol	U	330	"							U
2,3,4,6-Tetrachlorophenol	U	330	"							U
Tentatively Identified Compounds	U	300	"							
LCS (1304054-BS1)				Prepared: 04/11/13 Analyzed: 05/14/13						
EPA 8270D										
bis(2-Chloroethyl) Ether	1443.7	330	ug/kg dry	2000.0		72.2	51.5-99.2			
Benzaldehyde	2507.0	330	"	2000.0		125	44.4-101			QL-2
Hexachloroethane	1532.3	330	"	2000.0		76.6	51.6-94			
Bis(2-chloroisopropyl) ether	1784.3	330	"	2000.0		89.2	44.2-104			
n-Nitroso di-n-Propylamine	1688.0	330	"	2000.0		84.4	52.8-93.2			
Acetophenone	1664.7	330	"	2000.0		83.2	51.3-98			
Nitrobenzene	1715.3	330	"	2000.0		85.8	56.7-91.3			
Caprolactam	1831.3	330	"	2000.0		91.6	64.8-108			
1-Methylnaphthalene	1553.7	33	"	2000.0		77.7	59.5-96.8			
2-Methylnaphthalene	1680.0	33	"	2000.0		84.0	59.5-96.8			
Naphthalene	1566.3	33	"	2000.0		78.3	57.7-99.7			
4-Chloroaniline	1424.7	330	"	2000.0		71.2	22.4-76.5			
Bis(2-chloroethoxy)methane	1476.7	330	"	2000.0		73.8	57.1-98.5			
Isophorone	1678.7	330	"	2000.0		83.9	57.3-95.4			

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1304054 - E 3545A Modified										
LCS (1304054-BS1)				Prepared: 04/11/13 Analyzed: 05/14/13						
Hexachlorocyclopentadiene (HCCP)	1524.7	330	ug/kg dry	2000.0		76.2	37.9-76.4			
1,1-Biphenyl	1773.0	33	"	2000.0		88.6	64.9-94.8			
2-Chloronaphthalene	1749.0	330	"	2000.0		87.4	66.4-95.5			
2-Nitroaniline	1886.7	330	"	2000.0		94.3	60.9-106			
Acenaphthylene	1774.0	33	"	2000.0		88.7	66.8-98.6			
Acenaphthene	1790.0	33	"	2000.0		89.5	63-97.9			
Dimethyl phthalate	1722.0	330	"	2000.0		86.1	69.2-96.4			
Dibenzofuran	1790.7	33	"	2000.0		89.5	61.4-95			
2,4-Dinitrotoluene	1920.3	330	"	2000.0		96.0	63-106			
2,6-Dinitrotoluene	1951.0	330	"	2000.0		97.6	63.1-106			
3-Nitroaniline	1677.0	330	"	2000.0		83.8	42.2-90.8			
4-Chlorophenyl phenyl ether	1572.7	330	"	2000.0		78.6	66-102			
4-Nitroaniline	1874.3	330	"	2000.0		93.7	57.5-118			
Fluorene	1884.3	33	"	2000.0		94.2	65.6-103			
Diethyl phthalate	1693.3	330	"	2000.0		84.7	60.5-106			
n-Nitrosodiphenylamine/Diphenylamine	1881.3	330	"	2000.0		94.1	55.6-110			
Hexachlorobenzene (HCB)	1262.7	33	"	2000.0		63.1	53.5-123			
Atrazine	1918.3	330	"	2000.0		95.9	35.6-156			
4-Bromophenyl phenyl ether	1675.7	330	"	2000.0		83.8	52.8-126			
Phenanthrene	1847.3	33	"	2000.0		92.4	56.5-119			
Anthracene	1814.7	33	"	2000.0		90.7	57.4-116			
Carbazole	1786.0	33	"	2000.0		89.3	69-118			
Di-n-butylphthalate	1694.0	330	"	2000.0		84.7	60.6-122			
Fluoranthene	1650.3	33	"	2000.0		82.5	59.4-119			
Pyrene	2177.7	33	"	2000.0		109	59.6-113			
Benzyl butyl phthalate	1969.7	330	"	2000.0		98.5	71.3-109			
Bis(2-ethylhexyl) phthalate	1848.7	330	"	2000.0		92.4	64.9-112			
Benzo(a)anthracene	1852.7	33	"	2000.0		92.6	63.9-111			
Chrysene	1848.7	33	"	2000.0		92.4	62.1-109			
3,3'-Dichlorobenzidine	1479.0	330	"	2000.0		74.0	28.8-87.1			
Di-n-octylphthalate	2064.3	330	"	2000.0		103	47.6-121			
Benzo(b)fluoranthene	1988.7	33	"	2000.0		99.4	51.3-110			
Benzo(k)fluoranthene	2051.0	33	"	2000.0		103	57.5-104			
Benzo(a)pyrene	2045.3	33	"	2000.0		102	50-102			
Indeno (1,2,3-cd) pyrene	1972.0	33	"	2000.0		98.6	37.5-118			
Dibenz(a,h)anthracene	1988.7	33	"	2000.0		99.4	20-153			
Benzo(g,h,i)perylene	1954.0	33	"	2000.0		97.7	10-111			
2-Chlorophenol	1627.0	330	"	2000.0		81.4	55.1-95.8			
2-Methylphenol	1595.0	330	"	2000.0		79.8	44.3-96.3			
(3-and/or 4-)Methylphenol	1674.0	330	"	2000.0		83.7	45.2-102			

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Semi Volatile Organics (SVOA) - Quality Control

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1304054 - E 3545A Modified										
LCS (1304054-BS1)				Prepared: 04/11/13 Analyzed: 05/14/13						
2-Nitrophenol	1700.0	330	ug/kg dry	2000.0		85.0	60.7-94.6			
Phenol	1691.7	330	"	2000.0		84.6	54.3-98.5			
2,4-Dimethylphenol	1218.3	330	"	2000.0		60.9	24.5-75.8			
2,4-Dichlorophenol	1766.3	330	"	2000.0		88.3	64-96.5			
2,4,6-Trichlorophenol	1840.3	330	"	2000.0		92.0	66-103			
2,4,5-Trichlorophenol	1953.3	330	"	2000.0		97.7	59.3-110			
4-Chloro-3-methylphenol	1830.7	330	"	2000.0		91.5	66.8-100			
2,4-Dinitrophenol	1124.3	330	"	3000.0		37.5	12.4-63.8			
2-Methyl-4,6-dinitrophenol	1663.3	330	"	2000.0		83.2	44-114			
Pentachlorophenol	1618.7	330	"	2000.0		80.9	57-115			
4-Nitrophenol	1689.7	330	"	2000.0		84.5	56.3-118			
2,3,4,6-Tetrachlorophenol	1922.0	330	"	2000.0		96.1	68.4-109			
Matrix Spike (1304054-MS1)		**Source: E131406-23**		Prepared: 04/11/13 Analyzed: 05/14/13						
EPA 8270D										
bis(2-Chloroethyl) Ether	1842.3	440	ug/kg dry	2657.2	U	69.3	45.6-94.2			
Benzaldehyde	2566.0	440	"	2657.2	U	96.6	21.1-101			
Hexachloroethane	1878.2	440	"	2657.2	U	70.7	35.8-90.1			
Bis(2-chloroisopropyl) ether	2259.1	440	"	2657.2	U	85.0	35.4-99.7			
n-Nitroso di-n-Propylamine	2121.8	440	"	2657.2	U	79.8	46.9-91.9			
Acetophenone	2149.7	440	"	2657.2	U	80.9	48.1-93.7			
Nitrobenzene	2191.3	440	"	2657.2	U	82.5	51-89.7			
Caprolactam	2457.5	440	"	2657.2	U	92.5	53.6-116			
1-Methylnaphthalene	2037.6	44	"	2657.2	U	76.7	59.5-90.9			
2-Methylnaphthalene	2213.9	44	"	2657.2	U	83.3	59.5-90.9			
Naphthalene	2022.6	44	"	2657.2	U	76.1	55.1-91.2			
4-Chloroaniline	1120.5	440	"	2657.2	U	42.2	10-70.6			
Bis(2-chloroethoxy)methane	1894.6	440	"	2657.2	U	71.3	57.5-94.1			
Isophorone	2125.3	440	"	2657.2	U	80.0	53.8-94.7			
Hexachlorocyclopentadiene (HCCP)	1354.7	440	"	2657.2	U	51.0	10-81.2			
1,1-Biphenyl	2312.7	44	"	2657.2	U	87.0	57.1-99.7			
2-Chloronaphthalene	2296.3	440	"	2657.2	U	86.4	63.8-92			
2-Nitroaniline	2513.3	440	"	2657.2	U	94.6	20.5-132			
Acenaphthylene	2296.3	44	"	2657.2	U	86.4	60.2-94.7			
Acenaphthene	2341.5	44	"	2657.2	U	88.1	63.3-93.5			
Dimethyl phthalate	2259.5	440	"	2657.2	U	85.0	66.6-97			
Dibenzofuran	2374.7	44	"	2657.2	U	89.4	58.7-94			
2,4-Dinitrotoluene	2667.0	440	"	2657.2	U	100	63.1-105			
2,6-Dinitrotoluene	2627.5	440	"	2657.2	U	98.9	61.1-107			
3-Nitroaniline	2011.1	440	"	2657.2	U	75.7	10-96.9			

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1304054 - E 3545A Modified										
Matrix Spike (1304054-MS1)		**Source: E131406-23**		Prepared: 04/11/13 Analyzed: 05/14/13						
4-Chlorophenyl phenyl ether	2077.1	440	ug/kg dry	2657.2	U	78.2	60.2-102			
4-Nitroaniline	2528.8	440	"	2657.2	U	95.2	21.8-119			
Fluorene	2516.4	44	"	2657.2	U	94.7	63.4-99.7			
Diethyl phthalate	2228.5	440	"	2657.2	U	83.9	58.8-105			
n-Nitrosodiphenylamine/Diphenylamine	2460.1	440	"	2657.2	U	92.6	46.3-113			
Hexachlorobenzene (HCB)	1621.3	44	"	2657.2	U	61.0	51.3-118			
Atrazine	2484.1	440	"	2657.2	U	93.5	32.8-146			
4-Bromophenyl phenyl ether	2172.3	440	"	2657.2	U	81.7	51.6-120			
Phenanthrene	2388.0	44	"	2657.2	U	89.9	46.2-120			
Anthracene	2296.3	44	"	2657.2	U	86.4	46-110			
Carbazole	2423.8	44	"	2657.2	U	91.2	62-120			
Di-n-butylphthalate	2101.4	440	"	2657.2	U	79.1	49.1-120			
Fluoranthene	2094.3	44	"	2657.2	U	78.8	35.1-128			
Pyrene	2817.5	44	"	2657.2	U	106	39.6-126			
Benzyl butyl phthalate	2582.4	440	"	2657.2	U	97.2	64.4-109			
Bis(2-ethylhexyl) phthalate	2411.0	440	"	2657.2	U	90.7	51.4-117			
Benzo(a)anthracene	2418.5	44	"	2657.2	U	91.0	49.7-110			
Chrysene	2424.3	44	"	2657.2	U	91.2	45.7-111			
3,3'-Dichlorobenzidine	1283.4	440	"	2657.2	U	48.3	10-91.6			
Di-n-octylphthalate	2916.3	440	"	2657.2	U	110	50.2-120			
Benzo(b)fluoranthene	2735.2	44	"	2657.2	U	103	41.1-114			
Benzo(k)fluoranthene	2740.5	44	"	2657.2	U	103	48.9-103			
Benzo(a)pyrene	2589.9	44	"	2657.2	U	97.5	36.7-105			
Indeno (1,2,3-cd) pyrene	2252.4	44	"	2657.2	U	84.8	32.5-106			
Dibenz(a,h)anthracene	2365.4	44	"	2657.2	U	89.0	38.7-105			
Benzo(g,h,i)perylene	2137.7	44	"	2657.2	U	80.5	10-100			
2-Chlorophenol	2114.7	440	"	2657.2	U	79.6	37.6-102			
2-Methylphenol	2146.1	440	"	2657.2	U	80.8	21.1-108			
(3-and/or 4-)Methylphenol	2022.6	440	"	2657.2	U	76.1	10-120			
2-Nitrophenol	2319.8	440	"	2657.2	U	87.3	36.5-113			
Phenol	2148.8	440	"	2657.2	U	80.9	43.1-99.9			
2,4-Dimethylphenol	2205.0	440	"	2657.2	U	83.0	10-132			
2,4-Dichlorophenol	2344.1	440	"	2657.2	U	88.2	46.1-112			
2,4,6-Trichlorophenol	2460.6	440	"	2657.2	U	92.6	44.2-123			
2,4,5-Trichlorophenol	2631.5	440	"	2657.2	U	99.0	62.4-113			
4-Chloro-3-methylphenol	2426.5	440	"	2657.2	U	91.3	63.9-106			
2,4-Dinitrophenol	3692.2	440	"	3985.8	U	92.6	10-132			
2-Methyl-4,6-dinitrophenol	2645.3	440	"	2657.2	U	99.5	28.8-144			
Pentachlorophenol	2247.1	440	"	2657.2	U	84.6	48.5-134			
4-Nitrophenol	2367.1	440	"	2657.2	U	89.1	57.8-118			

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Semi Volatile Organics (SVOA) - Quality Control

US-EPA, Region 4, SESD

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1304054 - E 3545A Modified										
Matrix Spike (1304054-MS1)		**Source: E131406-23**		Prepared: 04/11/13 Analyzed: 05/14/13						
2,3,4,6-Tetrachlorophenol	2659.0	440	ug/kg dry	2657.2	U	100	60.9-116			
Matrix Spike Dup (1304054-MSD1)		**Source: E131406-23**		Prepared: 04/11/13 Analyzed: 05/14/13						
EPA 8270D										
bis(2-Chloroethyl) Ether	1871.8	440	ug/kg dry	2660.8	U	70.3	45.6-94.2	1.59	25.1	
Benzaldehyde	2597.3	440	"	2660.8	U	97.6	21.1-101	1.21	33.9	
Hexachloroethane	1903.8	440	"	2660.8	U	71.5	35.8-90.1	1.35	29.9	
Bis(2-chloroisopropyl) ether	2308.6	440	"	2660.8	U	86.8	35.4-99.7	2.17	25	
n-Nitroso di-n-Propylamine	2129.9	440	"	2660.8	U	80.0	46.9-91.9	0.383	17.6	
Acetophenone	2172.5	440	"	2660.8	U	81.7	48.1-93.7	1.06	18.7	
Nitrobenzene	2235.0	440	"	2660.8	U	84.0	51-89.7	1.98	20.6	
Caprolactam	2420.8	440	"	2660.8	U	91.0	53.6-116	1.50	28.6	
1-Methylnaphthalene	2078.5	44	"	2660.8	U	78.1	59.5-90.9	1.98	14	
2-Methylnaphthalene	2248.3	44	"	2660.8	U	84.5	59.5-90.9	1.54	19.1	
Naphthalene	2077.6	44	"	2660.8	U	78.1	55.1-91.2	2.68	21.7	
4-Chloroaniline	1125.9	440	"	2660.8	U	42.3	10-70.6	0.488	77.2	
Bis(2-chloroethoxy)methane	1949.9	440	"	2660.8	U	73.3	57.5-94.1	2.88	16.4	
Isophorone	2172.5	440	"	2660.8	U	81.7	53.8-94.7	2.20	14	
Hexachlorocyclopentadiene (HCCP)	1324.6	440	"	2660.8	U	49.8	10-81.2	2.25	60.1	
1,1-Biphenyl	2362.3	44	"	2660.8	U	88.8	57.1-99.7	2.12	18.4	
2-Chloronaphthalene	2307.3	440	"	2660.8	U	86.7	63.8-92	0.479	14.9	
2-Nitroaniline	2484.7	440	"	2660.8	U	93.4	20.5-132	1.14	25.1	
Acenaphthylene	2344.6	44	"	2660.8	U	88.1	60.2-94.7	2.08	23.4	
Acenaphthene	2375.2	44	"	2660.8	U	89.3	63.3-93.5	1.43	19.2	
Dimethyl phthalate	2270.5	440	"	2660.8	U	85.3	66.6-97	0.485	15.8	
Dibenzofuran	2409.8	44	"	2660.8	U	90.6	58.7-94	1.47	16.4	
2,4-Dinitrotoluene	2633.3	440	"	2660.8	U	99.0	63.1-105	1.27	13.3	
2,6-Dinitrotoluene	2620.4	440	"	2660.8	U	98.5	61.1-107	0.272	16.4	
3-Nitroaniline	1987.6	440	"	2660.8	U	74.7	10-96.9	1.17	36.3	
4-Chlorophenyl phenyl ether	2107.8	440	"	2660.8	U	79.2	60.2-102	1.47	17.3	
4-Nitroaniline	2462.5	440	"	2660.8	U	92.6	21.8-119	2.65	29.5	
Fluorene	2546.3	44	"	2660.8	U	95.7	63.4-99.7	1.18	19.1	
Diethyl phthalate	2224.4	440	"	2660.8	U	83.6	58.8-105	0.186	17.9	
n-Nitrosodiphenylamine/Diphenylamine	2512.6	440	"	2660.8	U	94.4	46.3-113	2.11	25.9	
Hexachlorobenzene (HCB)	1612.0	44	"	2660.8	U	60.6	51.3-118	0.580	19.6	
Atrazine	2447.0	440	"	2660.8	U	92.0	32.8-146	1.50	14.9	
4-Bromophenyl phenyl ether	2213.3	440	"	2660.8	U	83.2	51.6-120	1.87	17.5	
Phenanthrene	2410.2	44	"	2660.8	U	90.6	46.2-120	0.927	19.5	
Anthracene	2309.5	44	"	2660.8	U	86.8	46-110	0.576	31.7	
Carbazole	2405.8	44	"	2660.8	U	90.4	62-120	0.748	15.1	

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Semi Volatile Organics (SVOA) - Quality Control

US-EPA, Region 4, SESD

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1304054 - E 3545A Modified										
Matrix Spike Dup (1304054-MSD1)		**Source: E131406-23**		Prepared: 04/11/13 Analyzed: 05/14/13						
Di-n-butylphthalate	2146.8	440	ug/kg dry	2660.8	U	80.7	49.1-120	2.14	16.2	
Fluoranthene	2102.9	44	"	2660.8	U	79.0	35.1-128	0.407	21.9	
Pyrene	2888.2	44	"	2660.8	U	109	39.6-126	2.48	22.9	
Benzyl butyl phthalate	2691.8	440	"	2660.8	U	101	64.4-109	4.15	16.2	
Bis(2-ethylhexyl) phthalate	2506.4	440	"	2660.8	U	94.2	51.4-117	3.88	17	
Benzo(a)anthracene	2434.1	44	"	2660.8	U	91.5	49.7-110	0.644	23.5	
Chrysene	2457.2	44	"	2660.8	U	92.3	45.7-111	1.35	25.3	
3,3'-Dichlorobenzidine	1223.9	440	"	2660.8	U	46.0	10-91.6	4.75	67.4	
Di-n-octylphthalate	3063.0	440	"	2660.8	U	115	50.2-120	4.91	16.8	
Benzo(b)fluoranthene	2889.6	44	"	2660.8	U	109	41.1-114	5.49	23.7	
Benzo(k)fluoranthene	2745.0	44	"	2660.8	U	103	48.9-103	0.165	29.8	
Benzo(a)pyrene	2682.5	44	"	2660.8	U	101	36.7-105	3.51	20.7	
Indeno (1,2,3-cd) pyrene	2365.0	44	"	2660.8	U	88.9	32.5-106	4.87	24.5	
Dibenz(a,h)anthracene	2470.1	44	"	2660.8	U	92.8	38.7-105	4.33	21.6	
Benzo(g,h,i)perylene	2220.0	44	"	2660.8	U	83.4	10-100	3.77	25.6	
2-Chlorophenol	2145.0	440	"	2660.8	U	80.6	37.6-102	1.42	21.4	
2-Methylphenol	2186.7	440	"	2660.8	U	82.2	21.1-108	1.87	25.4	
(3-and/or 4-)Methylphenol	2022.6	440	"	2660.8	U	76.0	10-120	0.00153	30.7	
2-Nitrophenol	2387.1	440	"	2660.8	U	89.7	36.5-113	2.86	21	
Phenol	2180.9	440	"	2660.8	U	82.0	43.1-99.9	1.48	20.4	
2,4-Dimethylphenol	2244.8	440	"	2660.8	U	84.4	10-132	1.79	39.1	
2,4-Dichlorophenol	2392.0	440	"	2660.8	U	89.9	46.1-112	2.02	17.7	
2,4,6-Trichlorophenol	2490.0	440	"	2660.8	U	93.6	44.2-123	1.19	17.2	
2,4,5-Trichlorophenol	2642.1	440	"	2660.8	U	99.3	62.4-113	0.402	13.1	
4-Chloro-3-methylphenol	2454.1	440	"	2660.8	U	92.2	63.9-106	1.13	18.4	
2,4-Dinitrophenol	3544.6	440	"	3991.1	U	88.8	10-132	4.08	52.3	
2-Methyl-4,6-dinitrophenol	2641.2	440	"	2660.8	U	99.3	28.8-144	0.152	24.8	
Pentachlorophenol	2158.8	440	"	2660.8	U	81.1	48.5-134	4.01	19.1	
4-Nitrophenol	2279.8	440	"	2660.8	U	85.7	57.8-118	3.76	20.3	
2,3,4,6-Tetrachlorophenol	2649.2	440	"	2660.8	U	99.6	60.9-116	0.368	17	

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US-EPA, Region 4, SESD

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1304054 - E 3545A Modified										
MRL Verification (1304054-PS1)				Prepared: 04/11/13 Analyzed: 05/14/13						
EPA 8270D										
bis(2-Chloroethyl) Ether	224.04	330	ug/kg dry	333.89		67.1	31.5-119			MRL-3, Q-2, J
Benzaldehyde	394.66	330	"	333.89		118	24.4-121			MRL-3
Hexachloroethane	245.08	330	"	333.89		73.4	31.6-114			MRL-3, Q-2, J
Bis(2-chloroisopropyl) ether	269.45	330	"	333.89		80.7	24.2-124			MRL-3, Q-2, J
n-Nitroso di-n-Propylamine	260.43	330	"	333.89		78.0	32.8-113			MRL-3, Q-2, J
Acetophenone	262.10	330	"	333.89		78.5	31.3-118			MRL-3, Q-2, J
Nitrobenzene	288.48	330	"	333.89		86.4	36.7-111			MRL-3, Q-2, J
Caprolactam	279.47	330	"	333.89		83.7	44.8-128			MRL-3, Q-2, J
1-Methylnaphthalene	24.374	33	"	33.389		73.0	39.5-117			MRL-3, Q-2, J
2-Methylnaphthalene	27.045	33	"	33.389		81.0	39.5-117			MRL-3, Q-2, J
Naphthalene	27.379	33	"	33.389		82.0	37.7-120			MRL-3, Q-2, J
4-Chloroaniline	90.818	330	"	333.89		27.2	10-96.5			MRL-3, Q-2, J
Bis(2-chloroethoxy)methane	253.42	330	"	333.89		75.9	37.1-118			MRL-3, Q-2, J
Isophorone	285.14	330	"	333.89		85.4	37.3-115			MRL-3, Q-2, J
Hexachlorocyclopentadiene (HCCP)	218.03	330	"	333.89		65.3	17.9-96.4			MRL-3, Q-2, J
1,1-Biphenyl	29.716	33	"	33.389		89.0	44.9-115			MRL-3, Q-2, J
2-Chloronaphthalene	292.15	330	"	333.89		87.5	46.4-116			MRL-3, Q-2, J
2-Nitroaniline	308.18	330	"	333.89		92.3	40.9-126			MRL-3, Q-2, J
Acenaphthylene	29.382	33	"	33.389		88.0	46.8-119			MRL-3, Q-2, J
Acenaphthene	28.715	33	"	33.389		86.0	43-118			MRL-3, Q-2, J
Dimethyl phthalate	284.81	330	"	333.89		85.3	49.2-116			MRL-3, Q-2, J
Dibenzofuran	30.050	33	"	33.389		90.0	41.4-115			MRL-3, Q-2, J
2,4-Dinitrotoluene	278.13	330	"	333.89		83.3	43-126			MRL-3, Q-2, J
2,6-Dinitrotoluene	302.17	330	"	333.89		90.5	43.1-126			MRL-3, Q-2, J

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US-EPA, Region 4, SESD

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1304054 - E 3545A Modified										
MRL Verification (1304054-PS1)				Prepared: 04/11/13 Analyzed: 05/14/13						
3-Nitroaniline	215.02	330	ug/kg dry	333.89		64.4	22.2-111			MRL-3, Q-2, J
4-Chlorophenyl phenyl ether	251.09	330	"	333.89		75.2	46-122			MRL-3, Q-2, J
4-Nitroaniline	246.41	330	"	333.89		73.8	37.5-138			MRL-3, Q-2, J
Fluorene	29.382	33	"	33.389		88.0	45.6-123			MRL-3, Q-2, J
Diethyl phthalate	285.14	330	"	333.89		85.4	40.5-126			MRL-3, Q-2, J
n-Nitrosodiphenylamine/Diphenylamine	300.83	330	"	333.89		90.1	35.6-130			MRL-3, Q-2, J
Hexachlorobenzene (HCB)	217.36	33	"	333.89		65.1	33.5-143			MRL-3
Atrazine	277.46	330	"	333.89		83.1	15.6-176			MRL-3, Q-2, J
4-Bromophenyl phenyl ether	275.13	330	"	333.89		82.4	32.8-146			MRL-3, Q-2, J
Phenanthrene	31.386	33	"	33.389		94.0	36.5-139			MRL-3, Q-2, J
Anthracene	29.048	33	"	33.389		87.0	37.4-136			MRL-3, Q-2, J
Carbazole	29.048	33	"	33.389		87.0	49-138			MRL-3, Q-2, J
Di-n-butylphthalate	310.18	330	"	333.89		92.9	40.6-142			MRL-3, Q-2, J
Fluoranthene	25.710	33	"	33.389		77.0	39.4-139			MRL-3, Q-2, J
Pyrene	34.725	33	"	33.389		104	39.6-133			MRL-3
Benzyl butyl phthalate	327.88	330	"	333.89		98.2	51.3-129			MRL-3, Q-2, J
Bis(2-ethylhexyl) phthalate	303.84	330	"	333.89		91.0	44.9-132			MRL-3, Q-2, J
Benzo(a)anthracene	32.053	33	"	33.389		96.0	43.9-131			Q-2, MRL-3, J
Chrysene	30.718	33	"	33.389		92.0	42.1-129			MRL-3, Q-2, J
3,3'-Dichlorobenzidine	193.32	330	"	333.89		57.9	10-107			MRL-3, Q-2, J
Di-n-octylphthalate	314.52	330	"	333.89		94.2	27.6-141			MRL-3, Q-2, J
Benzo(b)fluoranthene	34.057	33	"	33.389		102	31.3-130			MRL-3
Benzo(k)fluoranthene	32.387	33	"	33.389		97.0	37.5-124			MRL-3, Q-2, J
Benzo(a)pyrene	30.384	33	"	33.389		91.0	30-122			MRL-3, Q-2, J
Indeno (1,2,3-cd) pyrene	29.048	33	"	33.389		87.0	17.5-138			MRL-3, Q-2, J
Dibenz(a,h)anthracene	26.043	33	"	33.389		78.0	10-173			MRL-3, Q-2, J

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Semi Volatile Organics (SVOA) - Quality Control

US-EPA, Region 4, SESD

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1304054 - E 3545A Modified										
MRL Verification (1304054-PS1)				Prepared: 04/11/13 Analyzed: 05/14/13						
Benzo(g,h,i)perylene	26.377	33	ug/kg dry	33.389		79.0	10-131			MRL-3, Q-2, J
2-Chlorophenol	242.40	330	"	333.89		72.6	35.1-116			MRL-3, Q-2, J
2-Methylphenol	227.05	330	"	333.89		68.0	24.3-116			MRL-3, Q-2, J
(3-and/or 4-)Methylphenol	231.39	330	"	333.89		69.3	25.2-122			MRL-3, Q-2, J
2-Nitrophenol	240.73	330	"	333.89		72.1	40.7-115			Q-2, MRL-3, J
Phenol	261.77	330	"	333.89		78.4	34.3-118			MRL-3, Q-2, J
2,4-Dimethylphenol	98.164	330	"	333.89		29.4	10-96			MRL-3, Q-2, J
2,4-Dichlorophenol	255.09	330	"	333.89		76.4	44-116			MRL-3, Q-2, J
2,4,6-Trichlorophenol	249.08	330	"	333.89		74.6	46-123			MRL-3, Q-2, J
2,4,5-Trichlorophenol	263.44	330	"	333.89		78.9	39.3-130			MRL-3, Q-2, J
4-Chloro-3-methylphenol	252.09	330	"	333.89		75.5	46.8-120			MRL-3, Q-2, J
2,4-Dinitrophenol	76.127	330	"	667.78		11.4	10-83.8			MRL-3, Q-2, J
2-Methyl-4,6-dinitrophenol	167.95	330	"	333.89		50.3	24-134			MRL-3, Q-2, J
Pentachlorophenol	181.97	330	"	333.89		54.5	37-135			MRL-3, Q-2, J
4-Nitrophenol	217.03	330	"	333.89		65.0	36.3-138			MRL-3, Q-2, J
2,3,4,6-Tetrachlorophenol	205.34	330	"	333.89		61.5	48.4-129			MRL-3, Q-2, J

Notes and Definitions for QC Samples

U	The analyte was not detected at or above the reporting limit.
J	The identification of the analyte is acceptable; the reported value is an estimate.
MRL-2	MRL verification for Non-Potable Water matrix
MRL-3	MRL verification for Soil matrix
Q-2	Result greater than MDL but less than MRL.
QC-2	Analyte concentration high in continuing calibration verification standard
QL-2	Laboratory Control Spike Recovery greater than method control limits
QM-1	Matrix Spike Recovery less than method control limits
QM-2	Matrix Spike Recovery greater than method control limits

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0306, Greenwood Mills Liner Plt - Reported by Jeffrey Hendel

May 2, 2013

4SESD-MTSB

MEMORANDUM

SUBJECT: FINAL Analytical Report
Project: 13-0306, Greenwood Mills Liner Plt
Superfund Remedial

FROM: Jeffrey Hendel
Quality Assurance Section Chemist

THRU: Marilyn Maycock, Chief
Quality Assurance Section

TO: Nancy McKee

Attached are the final results for the analytical groups listed below. These analyses were performed in accordance with the associated contract Statement Of Work (SOW). In general, project data quality objectives have not been used to evaluate these data prior to release by the Quality Assurance Section. For a listing of specific data qualifiers and explanations, please refer to the Data Qualifier Definitions included in this report.

Analyses Included in this report:	Method Used:
Volatile Organics (VOA)	
Volatile organic compounds	CLP VOA (Soil)
Volatile organic compounds	CLP VOA (Water)

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Project: 13-0306, Greenwood Mills Liner Plt - Reported by Jeffrey Hendel

Report Narrative for Work Order C131601, Project: 13-0306
Site Name: Greenwood Mills Liner Pit, Orangeburg, SC
CLP Case No. 43419, ELEMENT Sample Nos. C131601-01 through C131601-30
C131602-01, 02 (PES only)

Organic Analysis: Chemtech Consulting Group, Inc., Mountainside, NJ

The ESAT Work Team reviewed data for twelve (12) water samples and eighteen (18) soil samples analyzed for Volatile Organic Compounds per CLP Statement of Work SOM01.2. The samples were collected on 04/03/13 and 04/04/13, and were received by the laboratory on 04/04/13 and 04/05/13. The final data package was received on 04/25/13 by the USEPA Quality Assurance Section, Region 4 SESD/MTSB. The analytical results were reported in two sample delivery groups (SDGs) by the laboratory. In addition to the field samples, the laboratory also analyzed one performance evaluation sample (PES) for evaluating the laboratory's performance with using the method.

The laboratory satisfied all technical analysis and extraction holding time requirements. A Stage 4 validation consisting of an electronic/manual review (S4VEM) was performed on the organic samples submitted for this case. The data package presents acceptable technical performance with qualifications.

All results associated with erratic initial and/or continuing calibration performance were "J" flagged with the appropriate Element qualifier (CLP16 and/or QC-1). Deuterated monitoring compounds (DMC) are used as surrogates in each sample for GC/MS analysis to monitor extraction efficiency.

Data quality factors requiring qualification of results are discussed below:

Soil Matrix

The laboratory encountered a poor instrument response for 1,4-Dioxane in all calibration levels in the initial and continuing calibrations performed for this Case. Since all results for 1,4-Dioxane were non-detects, all results were qualified "R" (CLP17, CLP32).

The common laboratory contaminates Acetone and Methylene chloride were detected in the method blank associated with this Case. The reporting limits were raised to the amount found in the sample and qualified "U" (B-4) in sample C131601-01 for Acetone; and in sample C131601-23 for Methylene chloride.

Internal standard area counts were less than the lower quality control limits established by the method in both the original analysis and the reanalysis of samples C131601-06, 08, 16, 19, 20, 22, 23, and 24. All compounds associated with an out of control internal standard were qualified "J" (QI-1).

Reporting limits are elevated in samples C131601-10 and 19 due to high moisture content, greater than 50%.

Water Matrix

The laboratory scored within warning limits for all spiked analytes in the PES except for 1,2,3-Trichlorbenzene which was scored warning high. Since there were no positive detects for this compound in any of the samples, therefore, qualification of the data was not necessary.

The percent recoveries of DMCs were less than the lower quality control limit in samples C131601-02, 11, 13, 15, 28, and 29. All compounds associated with an out of control DMC were qualified "J" (QS-3).

The laboratory encountered a poor instrument response for 1,4-Dioxane in all calibration levels in the initial and continuing calibrations performed for this Case. Since all results for 1,4-Dioxane were non-detects, all results were qualified "R" (CLP17, CLP32).

Data qualification factors are explained by the Region 4 - specific qualifier definitions which are included elsewhere in this report. Further details are provided in the complete data review report, which is on file in the Region 4 SESD Records Center.

cc: Nardina Turner

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SAMPLES INCLUDED IN THIS REPORT

Project: 13-0306, Greenwood Mills Liner Plt **Contract Lab Case: 43419**

Sample ID	Laboratory ID	MD#	D#	Matrix	Date Collected
GML-022-TS	C131601-01		77N3	Trip Blank - Soil	4/3/13 12:00
GML-022-TW	C131601-02		77P5	Trip Blank - Water	4/3/13 12:00
GML-024-TW	C131601-03		77P6	Trip Blank - Water	4/4/13 12:00
GML-001-SD	C131601-04		77L6	Sediment	4/3/13 14:05
GML-001-SW	C131601-05		77N4	Surface Water	4/3/13 14:00
GML-002-SD	C131601-06		77L7	Sediment	4/3/13 14:20
GML-002-SW	C131601-07		77N5	Surface Water	4/3/13 14:10
GML-003-SD	C131601-08		77L8	Sediment	4/3/13 11:25
GML-003-SW	C131601-09		77N6	Surface Water	4/3/13 11:20
GML-004-SD	C131601-10		77L9	Sediment	4/3/13 11:45
GML-004-SW	C131601-11		77N7	Surface Water	4/3/13 11:40
GML-005-SD	C131601-12		77M0	Sediment	4/3/13 13:31
GML-005-SW	C131601-13		77N8	Surface Water	4/3/13 13:25
GML-006-SD	C131601-14		77M1	Sediment	4/3/13 11:10
GML-006-SW	C131601-15		77N9	Surface Water	4/3/13 11:05
GML-007-SD	C131601-16		77M2	Sediment	4/3/13 11:26
GML-007-SW	C131601-17		77P0	Surface Water	4/3/13 11:21
GML-008-SF	C131601-18		77M3	Subsurface Soil	4/3/13 12:30
GML-009-SF	C131601-19		77M4	Subsurface Soil	4/3/13 11:34
GML-010-SF	C131601-20		77M5	Subsurface Soil	4/3/13 11:45
GML-011-SF	C131601-21		77M6	Subsurface Soil	4/3/13 12:08
GML-012-SF	C131601-22		77M7	Subsurface Soil	4/3/13 12:15
GML-013-SF	C131601-23		77M8	Subsurface Soil	4/3/13 09:55
GML-014-SF	C131601-24		77M9	Subsurface Soil	4/3/13 10:10
GML-015-SF	C131601-25		77N0	Subsurface Soil	4/3/13 10:25
GML-016-SF	C131601-26		77N1	Subsurface Soil	4/3/13 12:42
GML-017-SF	C131601-27		77N2	Subsurface Soil	4/3/13 12:56
GML-019-GW	C131601-28		77P2	Groundwater	4/4/13 17:05
GML-020-GW	C131601-29		77P3	Groundwater	4/4/13 14:37
GML-021-GW	C131601-30		77P4	Groundwater	4/4/13 12:52

DATA QUALIFIER DEFINITIONS

U	The analyte was not detected at or above the reporting limit.
B-4	Level in blank impacts MRLs.
CLP01	Concentration reported is less than the lowest standard on calibration curve
CLP15	TIC Results Reported as Identified by Lab - IDs Not Verified
CLP16	Initial Calibration Response Erratic
CLP17	Initial Calibration Relative Response Outside Method Control Limits
CLP32	Continuing Calibration Relative Response Outside Method Control Limits
J	The identification of the analyte is acceptable; the reported value is an estimate.
NJ	Presumptive evidence that analyte is present; reported as a tentative identification with an estimated value.
QC-1	Analyte concentration low in continuing calibration verification standard
QI-1	Internal standard was outside of method control limits.
QS-3	Surrogate recovery is lower than established control limits.
R	The presence or absence of the analyte can not be determined from the data due to severe quality control problems. The data are rejected and considered unusable.

ACRONYMS AND ABBREVIATIONS

CAS Chemical Abstracts Service

Note: Analytes with no known CAS identifiers have been assigned codes beginning with "E", the EPA ID as assigned by the EPA Substance Registry System (www.epa.gov/srs), or beginning with "R4-", a unique identifier assigned by the EPA Region 4 laboratory.

MDL Method Detection Limit - The minimum concentration of a substance (an analyte) that can be measured and reported with a 99% confidence that the analyte concentration is greater than zero.

MRL Minimum Reporting Limit - Analyte concentration that corresponds to the lowest demonstrated level of acceptable quantitation. The MRL is sample-specific and accounts for preparation weights and volumes, dilutions, and moisture content of soil/sediments.

TIC Tentatively Identified Compound - An analyte identified based on a match with the instrument software's mass spectral library. A calibration standard has not been analyzed to confirm the compound's identification or the estimated concentration reported.

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Volatile Organics

Project: 13-0306, Greenwood Mills Liner Plt **Contract Lab Case: 43419**

Sample ID: GML-022-TS **Lab ID: C131601-01** **MD No:**

Station ID: **Matrix: Trip Blank - Soil** **D No: 77N3 CHEM**

Date Collected: 4/3/13 12:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1644012	% Moisture	0.0		%		4/09/13	4/09/13	CLP VOA
R4-7156	(m- and/or p-)Xylene	5.2	U	ug/kg dry	5.2	4/09/13	4/09/13	CLP SOM01.2 V
71-55-6	1,1,1-Trichloroethane	5.2	U	ug/kg dry	5.2	4/09/13	4/09/13	CLP SOM01.2 V
79-34-5	1,1,2,2-Tetrachloroethane	5.2	U	ug/kg dry	5.2	4/09/13	4/09/13	CLP SOM01.2 V
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	5.2	U	ug/kg dry	5.2	4/09/13	4/09/13	CLP SOM01.2 V
79-00-5	1,1,2-Trichloroethane	5.2	U	ug/kg dry	5.2	4/09/13	4/09/13	CLP SOM01.2 V
75-34-3	1,1-Dichloroethane	5.2	U	ug/kg dry	5.2	4/09/13	4/09/13	CLP SOM01.2 V
75-35-4	1,1-Dichloroethene (1,1-Dichloroethylene)	5.2	U	ug/kg dry	5.2	4/09/13	4/09/13	CLP SOM01.2 V
87-61-6	1,2,3-Trichlorobenzene	5.2	U	ug/kg dry	5.2	4/09/13	4/09/13	CLP SOM01.2 V
120-82-1	1,2,4-Trichlorobenzene	5.2	U	ug/kg dry	5.2	4/09/13	4/09/13	CLP SOM01.2 V
96-12-8	1,2-Dibromo-3-Chloropropane (DBCP)	5.2	U	ug/kg dry	5.2	4/09/13	4/09/13	CLP SOM01.2 V
106-93-4	1,2-Dibromoethane (EDB)	5.2	U	ug/kg dry	5.2	4/09/13	4/09/13	CLP SOM01.2 V
95-50-1	1,2-Dichlorobenzene	5.2	U	ug/kg dry	5.2	4/09/13	4/09/13	CLP SOM01.2 V
107-06-2	1,2-Dichloroethane	5.2	U	ug/kg dry	5.2	4/09/13	4/09/13	CLP SOM01.2 V
78-87-5	1,2-Dichloropropane	5.2	U	ug/kg dry	5.2	4/09/13	4/09/13	CLP SOM01.2 V
541-73-1	1,3-Dichlorobenzene	5.2	U	ug/kg dry	5.2	4/09/13	4/09/13	CLP SOM01.2 V
106-46-7	1,4-Dichlorobenzene	5.2	U	ug/kg dry	5.2	4/09/13	4/09/13	CLP SOM01.2 V
123-91-1	1,4-Dioxane	100	U, R, CLP32, CLP17	ug/kg dry	100	4/09/13	4/09/13	CLP SOM01.2 V
67-64-1	Acetone	11	U, J, B-4, CLP16	ug/kg dry	10	4/09/13	4/09/13	CLP SOM01.2 V
71-43-2	Benzene	5.2	U	ug/kg dry	5.2	4/09/13	4/09/13	CLP SOM01.2 V
74-97-5	Bromochloromethane	5.2	U	ug/kg dry	5.2	4/09/13	4/09/13	CLP SOM01.2 V
75-27-4	Bromodichloromethane	5.2	U	ug/kg dry	5.2	4/09/13	4/09/13	CLP SOM01.2 V
75-25-2	Bromoform	5.2	U	ug/kg dry	5.2	4/09/13	4/09/13	CLP SOM01.2 V
74-83-9	Bromomethane	5.2	U	ug/kg dry	5.2	4/09/13	4/09/13	CLP SOM01.2 V
75-15-0	Carbon disulfide	5.2	U	ug/kg dry	5.2	4/09/13	4/09/13	CLP SOM01.2 V
56-23-5	Carbon Tetrachloride	5.2	U	ug/kg dry	5.2	4/09/13	4/09/13	CLP SOM01.2 V

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Volatile Organics

Project: 13-0306, Greenwood Mills Liner Plt **Contract Lab Case: 43419**

Sample ID: GML-022-TS **Lab ID: C131601-01** **MD No:**

Station ID: **Matrix: Trip Blank - Soil** **D No: 77N3 CHEM**

Date Collected: 4/3/13 12:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
108-90-7	Chlorobenzene	5.2	U	ug/kg dry	5.2	4/09/13	4/09/13	CLP SOM01.2 V
75-00-3	Chloroethane	5.2	U	ug/kg dry	5.2	4/09/13	4/09/13	CLP SOM01.2 V
67-66-3	Chloroform	5.2	U	ug/kg dry	5.2	4/09/13	4/09/13	CLP SOM01.2 V
74-87-3	Chloromethane	5.2	U	ug/kg dry	5.2	4/09/13	4/09/13	CLP SOM01.2 V
156-59-2	cis-1,2-Dichloroethene	5.2	U	ug/kg dry	5.2	4/09/13	4/09/13	CLP SOM01.2 V
10061-01-5	cis-1,3-Dichloropropene	5.2	U	ug/kg dry	5.2	4/09/13	4/09/13	CLP SOM01.2 V
110-82-7	Cyclohexane	5.2	U	ug/kg dry	5.2	4/09/13	4/09/13	CLP SOM01.2 V
124-48-1	Dibromochloromethane	5.2	U	ug/kg dry	5.2	4/09/13	4/09/13	CLP SOM01.2 V
75-71-8	Dichlorodifluoromethane (Freon 12)	5.2	U	ug/kg dry	5.2	4/09/13	4/09/13	CLP SOM01.2 V
100-41-4	Ethyl Benzene	5.2	U	ug/kg dry	5.2	4/09/13	4/09/13	CLP SOM01.2 V
98-82-8	Isopropylbenzene	5.2	U	ug/kg dry	5.2	4/09/13	4/09/13	CLP SOM01.2 V
79-20-9	Methyl Acetate	5.2	U	ug/kg dry	5.2	4/09/13	4/09/13	CLP SOM01.2 V
591-78-6	Methyl Butyl Ketone	10	U	ug/kg dry	10	4/09/13	4/09/13	CLP SOM01.2 V
78-93-3	Methyl Ethyl Ketone	10	U, J, CLP16	ug/kg dry	10	4/09/13	4/09/13	CLP SOM01.2 V
108-10-1	Methyl Isobutyl Ketone	10	U	ug/kg dry	10	4/09/13	4/09/13	CLP SOM01.2 V
1634-04-4	Methyl T-Butyl Ether (MTBE)	5.2	U	ug/kg dry	5.2	4/09/13	4/09/13	CLP SOM01.2 V
108-87-2	Methylcyclohexane	5.2	U	ug/kg dry	5.2	4/09/13	4/09/13	CLP SOM01.2 V
75-09-2	Methylene Chloride	5.2	U, J, CLP16	ug/kg dry	5.2	4/09/13	4/09/13	CLP SOM01.2 V
95-47-6	o-Xylene	5.2	U	ug/kg dry	5.2	4/09/13	4/09/13	CLP SOM01.2 V
100-42-5	Styrene	5.2	U	ug/kg dry	5.2	4/09/13	4/09/13	CLP SOM01.2 V
127-18-4	Tetrachloroethene (Tetrachloroethylene)	5.2	U	ug/kg dry	5.2	4/09/13	4/09/13	CLP SOM01.2 V
108-88-3	Toluene	5.2	U	ug/kg dry	5.2	4/09/13	4/09/13	CLP SOM01.2 V
156-60-5	trans-1,2-Dichloroethene	5.2	U	ug/kg dry	5.2	4/09/13	4/09/13	CLP SOM01.2 V
10061-02-6	trans-1,3-Dichloropropene	5.2	U	ug/kg dry	5.2	4/09/13	4/09/13	CLP SOM01.2 V
79-01-6	Trichloroethene (Trichloroethylene)	5.2	U	ug/kg dry	5.2	4/09/13	4/09/13	CLP SOM01.2 V
75-69-4	Trichlorofluoromethane (Freon 11)	5.2	U	ug/kg dry	5.2	4/09/13	4/09/13	CLP SOM01.2 V
75-01-4	Vinyl chloride	5.2	U	ug/kg dry	5.2	4/09/13	4/09/13	CLP SOM01.2 V

Tentatively Identified Compounds:

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Volatile Organics

Project: 13-0306, Greenwood Mills Liner Plt **Contract Lab Case: 43419**

Sample ID: GML-022-TS **Lab ID:** C131601-01 **MD No:**

Station ID: **Matrix:** Trip Blank - Soil **D No:** 77N3 CHEM

Date Collected: 4/3/13 12:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
Tentatively Identified Compounds:								
R4-0000	Tentatively Identified Compounds	5	U	ug/kg dry	5	4/09/13	4/09/13	CLP SOM01.2 V

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Volatile Organics

Project: 13-0306, Greenwood Mills Liner Plt **Contract Lab Case: 43419**

Sample ID: GML-022-TW **Lab ID: C131601-02** **MD No:**

Station ID: **Matrix: Trip Blank - Water** **D No: 77P5 CHEM**

Date Collected: 4/3/13 12:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
R4-7156	(m- and/or p-)Xylene	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
71-55-6	1,1,1-Trichloroethane	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
79-00-5	1,1,2-Trichloroethane	5.0	U, J, QS-3	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
75-34-3	1,1-Dichloroethane	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
75-35-4	1,1-Dichloroethene (1,1-Dichloroethylene)	5.0	U, J, QS-3	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
87-61-6	1,2,3-Trichlorobenzene	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
120-82-1	1,2,4-Trichlorobenzene	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
96-12-8	1,2-Dibromo-3-Chloropropane (DBCP)	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
106-93-4	1,2-Dibromoethane (EDB)	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
95-50-1	1,2-Dichlorobenzene	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
107-06-2	1,2-Dichloroethane	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
78-87-5	1,2-Dichloropropane	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
541-73-1	1,3-Dichlorobenzene	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
106-46-7	1,4-Dichlorobenzene	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
123-91-1	1,4-Dioxane	100	U, R, CLP32, CLP17	ug/L	100	4/08/13	4/08/13	CLP SOM01.2 V
67-64-1	Acetone	10	U	ug/L	10	4/08/13	4/08/13	CLP SOM01.2 V
71-43-2	Benzene	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
74-97-5	Bromochloromethane	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
75-27-4	Bromodichloromethane	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
75-25-2	Bromoform	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
74-83-9	Bromomethane	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
75-15-0	Carbon disulfide	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
56-23-5	Carbon Tetrachloride	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
108-90-7	Chlorobenzene	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
75-00-3	Chloroethane	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V

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Volatile Organics

Project: 13-0306, Greenwood Mills Liner Plt **Contract Lab Case: 43419**

Sample ID: GML-022-TW **Lab ID: C131601-02** **MD No:**

Station ID: **Matrix: Trip Blank - Water** **D No: 77P5 CHEM**

Date Collected: 4/3/13 12:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
67-66-3	Chloroform	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
74-87-3	Chloromethane	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
156-59-2	cis-1,2-Dichloroethene	5.0	U, J, QS-3	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
10061-01-5	cis-1,3-Dichloropropene	5.0	U, J, QS-3	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
110-82-7	Cyclohexane	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
124-48-1	Dibromochloromethane	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
75-71-8	Dichlorodifluoromethane (Freon 12)	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
100-41-4	Ethyl Benzene	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
98-82-8	Isopropylbenzene	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
79-20-9	Methyl Acetate	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
591-78-6	Methyl Butyl Ketone	10	U	ug/L	10	4/08/13	4/08/13	CLP SOM01.2 V
78-93-3	Methyl Ethyl Ketone	10	U	ug/L	10	4/08/13	4/08/13	CLP SOM01.2 V
108-10-1	Methyl Isobutyl Ketone	10	U	ug/L	10	4/08/13	4/08/13	CLP SOM01.2 V
1634-04-4	Methyl T-Butyl Ether (MTBE)	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
108-87-2	Methylcyclohexane	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
75-09-2	Methylene Chloride	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
95-47-6	o-Xylene	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
100-42-5	Styrene	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
127-18-4	Tetrachloroethene (Tetrachloroethylene)	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
108-88-3	Toluene	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
156-60-5	trans-1,2-Dichloroethene	5.0	U, J, QS-3	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
10061-02-6	trans-1,3-Dichloropropene	5.0	U, J, QS-3	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
79-01-6	Trichloroethene (Trichloroethylene)	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
75-69-4	Trichlorofluoromethane (Freon 11)	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
75-01-4	Vinyl chloride	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
Tentatively Identified Compounds:								
R4-0000	Tentatively Identified Compounds	5	U	ug/L	5	4/08/13	4/08/13	CLP SOM01.2 V

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0306, Greenwood Mills Liner Plt - Reported by Jeffrey Hendel

Volatile Organics

Project: 13-0306, Greenwood Mills Liner Plt **Contract Lab Case: 43419**

Sample ID: GML-024-TW **Lab ID: C131601-03** **MD No:**

Station ID: **Matrix: Trip Blank - Water** **D No: 77P6 CHEM**

Date Collected: 4/4/13 12:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
R4-7156	(m- and/or p-)Xylene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
71-55-6	1,1,1-Trichloroethane	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
79-00-5	1,1,2-Trichloroethane	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
75-34-3	1,1-Dichloroethane	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
75-35-4	1,1-Dichloroethene (1,1-Dichloroethylene)	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
87-61-6	1,2,3-Trichlorobenzene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
120-82-1	1,2,4-Trichlorobenzene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
96-12-8	1,2-Dibromo-3-Chloropropane (DBCP)	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
106-93-4	1,2-Dibromoethane (EDB)	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
95-50-1	1,2-Dichlorobenzene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
107-06-2	1,2-Dichloroethane	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
78-87-5	1,2-Dichloropropane	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
541-73-1	1,3-Dichlorobenzene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
106-46-7	1,4-Dichlorobenzene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
123-91-1	1,4-Dioxane	100	U, R, CLP32, CLP17	ug/L	100	4/09/13	4/09/13	CLP SOM01.2 V
67-64-1	Acetone	10	U, J, QC-1	ug/L	10	4/09/13	4/09/13	CLP SOM01.2 V
71-43-2	Benzene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
74-97-5	Bromochloromethane	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
75-27-4	Bromodichloromethane	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
75-25-2	Bromoform	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
74-83-9	Bromomethane	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
75-15-0	Carbon disulfide	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
56-23-5	Carbon Tetrachloride	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
108-90-7	Chlorobenzene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
75-00-3	Chloroethane	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
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D.A.R.T. Id: 13-0295
Project: 13-0306, Greenwood Mills Liner Plt - Reported by Jeffrey Hendel

Volatile Organics

Project: 13-0306, Greenwood Mills Liner Plt **Contract Lab Case: 43419**

Sample ID: GML-024-TW **Lab ID: C131601-03** **MD No:**

Station ID: **Matrix: Trip Blank - Water** **D No: 77P6 CHEM**

Date Collected: 4/4/13 12:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
67-66-3	Chloroform	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
74-87-3	Chloromethane	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
156-59-2	cis-1,2-Dichloroethene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
10061-01-5	cis-1,3-Dichloropropene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
110-82-7	Cyclohexane	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
124-48-1	Dibromochloromethane	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
75-71-8	Dichlorodifluoromethane (Freon 12)	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
100-41-4	Ethyl Benzene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
98-82-8	Isopropylbenzene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
79-20-9	Methyl Acetate	5.0	U, J, QC-1	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
591-78-6	Methyl Butyl Ketone	10	U	ug/L	10	4/09/13	4/09/13	CLP SOM01.2 V
78-93-3	Methyl Ethyl Ketone	10	U, J, QC-1	ug/L	10	4/09/13	4/09/13	CLP SOM01.2 V
108-10-1	Methyl Isobutyl Ketone	10	U	ug/L	10	4/09/13	4/09/13	CLP SOM01.2 V
1634-04-4	Methyl T-Butyl Ether (MTBE)	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
108-87-2	Methylcyclohexane	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
75-09-2	Methylene Chloride	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
95-47-6	o-Xylene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
100-42-5	Styrene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
127-18-4	Tetrachloroethene (Tetrachloroethylene)	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
108-88-3	Toluene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
156-60-5	trans-1,2-Dichloroethene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
10061-02-6	trans-1,3-Dichloropropene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
79-01-6	Trichloroethene (Trichloroethylene)	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
75-69-4	Trichlorofluoromethane (Freon 11)	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
75-01-4	Vinyl chloride	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
Tentatively Identified Compounds:								
R4-0000	Tentatively Identified Compounds	5	U	ug/L	5	4/09/13	4/09/13	CLP SOM01.2 V

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
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980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0306, Greenwood Mills Liner Plt - Reported by Jeffrey Hendel

Volatile Organics

Project: 13-0306, Greenwood Mills Liner Plt **Contract Lab Case: 43419**

Sample ID: GML-001-SD **Lab ID: C131601-04** **MD No:**

Station ID: GML001 **Matrix: Sediment** **D No: 77L6 CHEM**

Date Collected: 4/3/13 14:05

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1644012	% Moisture	40		%		4/08/13	4/08/13	CLP VOA
R4-7156	(m- and/or p-)Xylene	4.1	U	ug/kg dry	4.1	4/08/13	4/08/13	CLP SOM01.2 V
71-55-6	1,1,1-Trichloroethane	4.1	U	ug/kg dry	4.1	4/08/13	4/08/13	CLP SOM01.2 V
79-34-5	1,1,2,2-Tetrachloroethane	4.1	U	ug/kg dry	4.1	4/08/13	4/08/13	CLP SOM01.2 V
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	4.1	U	ug/kg dry	4.1	4/08/13	4/08/13	CLP SOM01.2 V
79-00-5	1,1,2-Trichloroethane	4.1	U	ug/kg dry	4.1	4/08/13	4/08/13	CLP SOM01.2 V
75-34-3	1,1-Dichloroethane	4.1	U	ug/kg dry	4.1	4/08/13	4/08/13	CLP SOM01.2 V
75-35-4	1,1-Dichloroethene (1,1-Dichloroethylene)	4.1	U	ug/kg dry	4.1	4/08/13	4/08/13	CLP SOM01.2 V
87-61-6	1,2,3-Trichlorobenzene	4.1	U	ug/kg dry	4.1	4/08/13	4/08/13	CLP SOM01.2 V
120-82-1	1,2,4-Trichlorobenzene	4.1	U	ug/kg dry	4.1	4/08/13	4/08/13	CLP SOM01.2 V
96-12-8	1,2-Dibromo-3-Chloropropane (DBCP)	4.1	U, J, CLP16	ug/kg dry	4.1	4/08/13	4/08/13	CLP SOM01.2 V
106-93-4	1,2-Dibromoethane (EDB)	4.1	U	ug/kg dry	4.1	4/08/13	4/08/13	CLP SOM01.2 V
95-50-1	1,2-Dichlorobenzene	4.1	U	ug/kg dry	4.1	4/08/13	4/08/13	CLP SOM01.2 V
107-06-2	1,2-Dichloroethane	4.1	U	ug/kg dry	4.1	4/08/13	4/08/13	CLP SOM01.2 V
78-87-5	1,2-Dichloropropane	4.1	U	ug/kg dry	4.1	4/08/13	4/08/13	CLP SOM01.2 V
541-73-1	1,3-Dichlorobenzene	4.1	U	ug/kg dry	4.1	4/08/13	4/08/13	CLP SOM01.2 V
106-46-7	1,4-Dichlorobenzene	4.1	U	ug/kg dry	4.1	4/08/13	4/08/13	CLP SOM01.2 V
123-91-1	1,4-Dioxane	82	U, R, CLP32, CLP17	ug/kg dry	82	4/08/13	4/08/13	CLP SOM01.2 V
67-64-1	Acetone	8.2	U, J, QC-1	ug/kg dry	8.2	4/08/13	4/08/13	CLP SOM01.2 V
71-43-2	Benzene	4.1	U	ug/kg dry	4.1	4/08/13	4/08/13	CLP SOM01.2 V
74-97-5	Bromochloromethane	4.1	U	ug/kg dry	4.1	4/08/13	4/08/13	CLP SOM01.2 V
75-27-4	Bromodichloromethane	4.1	U	ug/kg dry	4.1	4/08/13	4/08/13	CLP SOM01.2 V
75-25-2	Bromoform	4.1	U	ug/kg dry	4.1	4/08/13	4/08/13	CLP SOM01.2 V
74-83-9	Bromomethane	4.1	U	ug/kg dry	4.1	4/08/13	4/08/13	CLP SOM01.2 V
75-15-0	Carbon disulfide	4.1	U	ug/kg dry	4.1	4/08/13	4/08/13	CLP SOM01.2 V
56-23-5	Carbon Tetrachloride	4.1	U	ug/kg dry	4.1	4/08/13	4/08/13	CLP SOM01.2 V
108-90-7	Chlorobenzene	4.1	U	ug/kg dry	4.1	4/08/13	4/08/13	CLP SOM01.2 V

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
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980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0306, Greenwood Mills Liner Plt - Reported by Jeffrey Hendel

Volatile Organics

Project: 13-0306, Greenwood Mills Liner Plt **Contract Lab Case: 43419**

Sample ID: GML-001-SD **Lab ID: C131601-04** **MD No:**

Station ID: GML001 **Matrix: Sediment** **D No: 77L6 CHEM**

Date Collected: 4/3/13 14:05

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
75-00-3	Chloroethane	4.1	U	ug/kg dry	4.1	4/08/13	4/08/13	CLP SOM01.2 V
67-66-3	Chloroform	4.1	U	ug/kg dry	4.1	4/08/13	4/08/13	CLP SOM01.2 V
74-87-3	Chloromethane	4.1	U	ug/kg dry	4.1	4/08/13	4/08/13	CLP SOM01.2 V
156-59-2	cis-1,2-Dichloroethene	4.1	U	ug/kg dry	4.1	4/08/13	4/08/13	CLP SOM01.2 V
10061-01-5	cis-1,3-Dichloropropene	4.1	U	ug/kg dry	4.1	4/08/13	4/08/13	CLP SOM01.2 V
110-82-7	Cyclohexane	4.1	U	ug/kg dry	4.1	4/08/13	4/08/13	CLP SOM01.2 V
124-48-1	Dibromochloromethane	4.1	U	ug/kg dry	4.1	4/08/13	4/08/13	CLP SOM01.2 V
75-71-8	Dichlorodifluoromethane (Freon 12)	4.1	U, J, CLP16	ug/kg dry	4.1	4/08/13	4/08/13	CLP SOM01.2 V
100-41-4	Ethyl Benzene	4.1	U	ug/kg dry	4.1	4/08/13	4/08/13	CLP SOM01.2 V
98-82-8	Isopropylbenzene	4.1	U	ug/kg dry	4.1	4/08/13	4/08/13	CLP SOM01.2 V
79-20-9	Methyl Acetate	4.1	U, J, CLP16	ug/kg dry	4.1	4/08/13	4/08/13	CLP SOM01.2 V
591-78-6	Methyl Butyl Ketone	8.2	U, J, CLP16	ug/kg dry	8.2	4/08/13	4/08/13	CLP SOM01.2 V
78-93-3	Methyl Ethyl Ketone	8.2	U, J, CLP16	ug/kg dry	8.2	4/08/13	4/08/13	CLP SOM01.2 V
108-10-1	Methyl Isobutyl Ketone	8.2	U, J, CLP16	ug/kg dry	8.2	4/08/13	4/08/13	CLP SOM01.2 V
1634-04-4	Methyl T-Butyl Ether (MTBE)	4.1	U	ug/kg dry	4.1	4/08/13	4/08/13	CLP SOM01.2 V
108-87-2	Methylcyclohexane	4.1	U	ug/kg dry	4.1	4/08/13	4/08/13	CLP SOM01.2 V
75-09-2	Methylene Chloride	4.1	U, J, CLP16	ug/kg dry	4.1	4/08/13	4/08/13	CLP SOM01.2 V
95-47-6	o-Xylene	4.1	U	ug/kg dry	4.1	4/08/13	4/08/13	CLP SOM01.2 V
100-42-5	Styrene	4.1	U	ug/kg dry	4.1	4/08/13	4/08/13	CLP SOM01.2 V
127-18-4	Tetrachloroethene (Tetrachloroethylene)	4.1	U	ug/kg dry	4.1	4/08/13	4/08/13	CLP SOM01.2 V
108-88-3	Toluene	4.1	U	ug/kg dry	4.1	4/08/13	4/08/13	CLP SOM01.2 V
156-60-5	trans-1,2-Dichloroethene	4.1	U	ug/kg dry	4.1	4/08/13	4/08/13	CLP SOM01.2 V
10061-02-6	trans-1,3-Dichloropropene	4.1	U	ug/kg dry	4.1	4/08/13	4/08/13	CLP SOM01.2 V
79-01-6	Trichloroethene (Trichloroethylene)	4.1	U	ug/kg dry	4.1	4/08/13	4/08/13	CLP SOM01.2 V
75-69-4	Trichlorofluoromethane (Freon 11)	4.1	U	ug/kg dry	4.1	4/08/13	4/08/13	CLP SOM01.2 V
75-01-4	Vinyl chloride	4.1	U	ug/kg dry	4.1	4/08/13	4/08/13	CLP SOM01.2 V
Tentatively Identified Compounds:								
R4-0000	Tentatively Identified Compounds	4	U	ug/kg dry	4	4/08/13	4/08/13	CLP SOM01.2 V

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
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D.A.R.T. Id: 13-0295
Project: 13-0306, Greenwood Mills Liner Plt - Reported by Jeffrey Hendel

Volatile Organics

Project: 13-0306, Greenwood Mills Liner Plt **Contract Lab Case: 43419**

Sample ID: GML-001-SW **Lab ID: C131601-05** **MD No:**

Station ID: GML001 **Matrix: Surface Water** **D No: 77N4 CHEM**

Date Collected: 4/3/13 14:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
R4-7156	(m- and/or p-)Xylene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
71-55-6	1,1,1-Trichloroethane	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
79-00-5	1,1,2-Trichloroethane	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
75-34-3	1,1-Dichloroethane	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
75-35-4	1,1-Dichloroethene (1,1-Dichloroethylene)	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
87-61-6	1,2,3-Trichlorobenzene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
120-82-1	1,2,4-Trichlorobenzene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
96-12-8	1,2-Dibromo-3-Chloropropane (DBCP)	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
106-93-4	1,2-Dibromoethane (EDB)	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
95-50-1	1,2-Dichlorobenzene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
107-06-2	1,2-Dichloroethane	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
78-87-5	1,2-Dichloropropane	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
541-73-1	1,3-Dichlorobenzene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
106-46-7	1,4-Dichlorobenzene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
123-91-1	1,4-Dioxane	100	U, R, CLP32, CLP17	ug/L	100	4/09/13	4/09/13	CLP SOM01.2 V
67-64-1	Acetone	10	U, J, QC-1	ug/L	10	4/09/13	4/09/13	CLP SOM01.2 V
71-43-2	Benzene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
74-97-5	Bromochloromethane	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
75-27-4	Bromodichloromethane	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
75-25-2	Bromoform	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
74-83-9	Bromomethane	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
75-15-0	Carbon disulfide	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
56-23-5	Carbon Tetrachloride	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
108-90-7	Chlorobenzene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
75-00-3	Chloroethane	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0306, Greenwood Mills Liner Plt - Reported by Jeffrey Hendel

Volatile Organics

Project: 13-0306, Greenwood Mills Liner Plt **Contract Lab Case: 43419**

Sample ID: GML-001-SW **Lab ID: C131601-05** **MD No:**

Station ID: GML001 **Matrix: Surface Water** **D No: 77N4 CHEM**

Date Collected: 4/3/13 14:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
67-66-3	Chloroform	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
74-87-3	Chloromethane	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
156-59-2	cis-1,2-Dichloroethene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
10061-01-5	cis-1,3-Dichloropropene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
110-82-7	Cyclohexane	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
124-48-1	Dibromochloromethane	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
75-71-8	Dichlorodifluoromethane (Freon 12)	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
100-41-4	Ethyl Benzene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
98-82-8	Isopropylbenzene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
79-20-9	Methyl Acetate	5.0	U, J, QC-1	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
591-78-6	Methyl Butyl Ketone	10	U	ug/L	10	4/09/13	4/09/13	CLP SOM01.2 V
78-93-3	Methyl Ethyl Ketone	10	U, J, QC-1	ug/L	10	4/09/13	4/09/13	CLP SOM01.2 V
108-10-1	Methyl Isobutyl Ketone	10	U	ug/L	10	4/09/13	4/09/13	CLP SOM01.2 V
1634-04-4	Methyl T-Butyl Ether (MTBE)	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
108-87-2	Methylcyclohexane	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
75-09-2	Methylene Chloride	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
95-47-6	o-Xylene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
100-42-5	Styrene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
127-18-4	Tetrachloroethene (Tetrachloroethylene)	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
108-88-3	Toluene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
156-60-5	trans-1,2-Dichloroethene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
10061-02-6	trans-1,3-Dichloropropene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
79-01-6	Trichloroethene (Trichloroethylene)	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
75-69-4	Trichlorofluoromethane (Freon 11)	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
75-01-4	Vinyl chloride	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
Tentatively Identified Compounds:								
R4-0000	Tentatively Identified Compounds	5	U	ug/L	5	4/09/13	4/09/13	CLP SOM01.2 V

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
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D.A.R.T. Id: 13-0295
Project: 13-0306, Greenwood Mills Liner Plt - Reported by Jeffrey Hendel

Volatile Organics

Project: 13-0306, Greenwood Mills Liner Plt **Contract Lab Case: 43419**

Sample ID: GML-002-SD **Lab ID: C131601-06** **MD No:**

Station ID: GML002 **Matrix: Sediment** **D No: 77L7 CHEM**

Date Collected: 4/3/13 14:20

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1644012	% Moisture	40		%		4/08/13	4/08/13	CLP VOA
R4-7156	(m- and/or p-)Xylene	7.3	U	ug/kg dry	7.3	4/08/13	4/08/13	CLP SOM01.2 V
71-55-6	1,1,1-Trichloroethane	7.3	U	ug/kg dry	7.3	4/08/13	4/08/13	CLP SOM01.2 V
79-34-5	1,1,2,2-Tetrachloroethane	7.3	U	ug/kg dry	7.3	4/08/13	4/08/13	CLP SOM01.2 V
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	7.3	U	ug/kg dry	7.3	4/08/13	4/08/13	CLP SOM01.2 V
79-00-5	1,1,2-Trichloroethane	7.3	U	ug/kg dry	7.3	4/08/13	4/08/13	CLP SOM01.2 V
75-34-3	1,1-Dichloroethane	7.3	U	ug/kg dry	7.3	4/08/13	4/08/13	CLP SOM01.2 V
75-35-4	1,1-Dichloroethene (1,1-Dichloroethylene)	7.3	U	ug/kg dry	7.3	4/08/13	4/08/13	CLP SOM01.2 V
87-61-6	1,2,3-Trichlorobenzene	7.3	U, J, QI-1	ug/kg dry	7.3	4/08/13	4/08/13	CLP SOM01.2 V
120-82-1	1,2,4-Trichlorobenzene	7.3	U, J, QI-1	ug/kg dry	7.3	4/08/13	4/08/13	CLP SOM01.2 V
96-12-8	1,2-Dibromo-3-Chloropropane (DBCP)	7.3	U, J, QI-1, CLP16	ug/kg dry	7.3	4/08/13	4/08/13	CLP SOM01.2 V
106-93-4	1,2-Dibromoethane (EDB)	7.3	U	ug/kg dry	7.3	4/08/13	4/08/13	CLP SOM01.2 V
95-50-1	1,2-Dichlorobenzene	7.3	U, J, QI-1	ug/kg dry	7.3	4/08/13	4/08/13	CLP SOM01.2 V
107-06-2	1,2-Dichloroethane	7.3	U	ug/kg dry	7.3	4/08/13	4/08/13	CLP SOM01.2 V
78-87-5	1,2-Dichloropropane	7.3	U	ug/kg dry	7.3	4/08/13	4/08/13	CLP SOM01.2 V
541-73-1	1,3-Dichlorobenzene	7.3	U, J, QI-1	ug/kg dry	7.3	4/08/13	4/08/13	CLP SOM01.2 V
106-46-7	1,4-Dichlorobenzene	7.3	U, J, QI-1	ug/kg dry	7.3	4/08/13	4/08/13	CLP SOM01.2 V
123-91-1	1,4-Dioxane	150	U, R, CLP32, CLP17	ug/kg dry	150	4/08/13	4/08/13	CLP SOM01.2 V
67-64-1	Acetone	15	U, J, QC-1	ug/kg dry	15	4/08/13	4/08/13	CLP SOM01.2 V
71-43-2	Benzene	7.3	U	ug/kg dry	7.3	4/08/13	4/08/13	CLP SOM01.2 V
74-97-5	Bromochloromethane	7.3	U	ug/kg dry	7.3	4/08/13	4/08/13	CLP SOM01.2 V
75-27-4	Bromodichloromethane	7.3	U	ug/kg dry	7.3	4/08/13	4/08/13	CLP SOM01.2 V
75-25-2	Bromoform	7.3	U, J, QI-1	ug/kg dry	7.3	4/08/13	4/08/13	CLP SOM01.2 V
74-83-9	Bromomethane	7.3	U	ug/kg dry	7.3	4/08/13	4/08/13	CLP SOM01.2 V
75-15-0	Carbon disulfide	7.3	U	ug/kg dry	7.3	4/08/13	4/08/13	CLP SOM01.2 V
56-23-5	Carbon Tetrachloride	7.3	U	ug/kg dry	7.3	4/08/13	4/08/13	CLP SOM01.2 V

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
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980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0306, Greenwood Mills Liner Plt - Reported by Jeffrey Hendel

Volatile Organics

Project: 13-0306, Greenwood Mills Liner Plt **Contract Lab Case: 43419**

Sample ID: GML-002-SD **Lab ID: C131601-06** **MD No:**

Station ID: GML002 **Matrix: Sediment** **D No: 77L7 CHEM**

Date Collected: 4/3/13 14:20

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
108-90-7	Chlorobenzene	7.3	U	ug/kg dry	7.3	4/08/13	4/08/13	CLP SOM01.2 V
75-00-3	Chloroethane	7.3	U	ug/kg dry	7.3	4/08/13	4/08/13	CLP SOM01.2 V
67-66-3	Chloroform	7.3	U	ug/kg dry	7.3	4/08/13	4/08/13	CLP SOM01.2 V
74-87-3	Chloromethane	7.3	U	ug/kg dry	7.3	4/08/13	4/08/13	CLP SOM01.2 V
156-59-2	cis-1,2-Dichloroethene	7.3	U	ug/kg dry	7.3	4/08/13	4/08/13	CLP SOM01.2 V
10061-01-5	cis-1,3-Dichloropropene	7.3	U	ug/kg dry	7.3	4/08/13	4/08/13	CLP SOM01.2 V
110-82-7	Cyclohexane	7.3	U	ug/kg dry	7.3	4/08/13	4/08/13	CLP SOM01.2 V
124-48-1	Dibromochloromethane	7.3	U	ug/kg dry	7.3	4/08/13	4/08/13	CLP SOM01.2 V
75-71-8	Dichlorodifluoromethane (Freon 12)	7.3	U, J, CLP16	ug/kg dry	7.3	4/08/13	4/08/13	CLP SOM01.2 V
100-41-4	Ethyl Benzene	7.3	U	ug/kg dry	7.3	4/08/13	4/08/13	CLP SOM01.2 V
98-82-8	Isopropylbenzene	7.3	U	ug/kg dry	7.3	4/08/13	4/08/13	CLP SOM01.2 V
79-20-9	Methyl Acetate	7.3	U, J, CLP16	ug/kg dry	7.3	4/08/13	4/08/13	CLP SOM01.2 V
591-78-6	Methyl Butyl Ketone	15	U, J, CLP16	ug/kg dry	15	4/08/13	4/08/13	CLP SOM01.2 V
78-93-3	Methyl Ethyl Ketone	15	U, J, CLP16	ug/kg dry	15	4/08/13	4/08/13	CLP SOM01.2 V
108-10-1	Methyl Isobutyl Ketone	15	U, J, CLP16	ug/kg dry	15	4/08/13	4/08/13	CLP SOM01.2 V
1634-04-4	Methyl T-Butyl Ether (MTBE)	7.3	U	ug/kg dry	7.3	4/08/13	4/08/13	CLP SOM01.2 V
108-87-2	Methylcyclohexane	7.3	U	ug/kg dry	7.3	4/08/13	4/08/13	CLP SOM01.2 V
75-09-2	Methylene Chloride	7.3	U, J, CLP16	ug/kg dry	7.3	4/08/13	4/08/13	CLP SOM01.2 V
95-47-6	o-Xylene	7.3	U	ug/kg dry	7.3	4/08/13	4/08/13	CLP SOM01.2 V
100-42-5	Styrene	7.3	U	ug/kg dry	7.3	4/08/13	4/08/13	CLP SOM01.2 V
127-18-4	Tetrachloroethene (Tetrachloroethylene)	7.3	U	ug/kg dry	7.3	4/08/13	4/08/13	CLP SOM01.2 V
108-88-3	Toluene	7.3	U	ug/kg dry	7.3	4/08/13	4/08/13	CLP SOM01.2 V
156-60-5	trans-1,2-Dichloroethene	7.3	U	ug/kg dry	7.3	4/08/13	4/08/13	CLP SOM01.2 V
10061-02-6	trans-1,3-Dichloropropene	7.3	U	ug/kg dry	7.3	4/08/13	4/08/13	CLP SOM01.2 V
79-01-6	Trichloroethene (Trichloroethylene)	7.3	U	ug/kg dry	7.3	4/08/13	4/08/13	CLP SOM01.2 V
75-69-4	Trichlorofluoromethane (Freon 11)	7.3	U	ug/kg dry	7.3	4/08/13	4/08/13	CLP SOM01.2 V
75-01-4	Vinyl chloride	7.3	U	ug/kg dry	7.3	4/08/13	4/08/13	CLP SOM01.2 V

Tentatively Identified Compounds:

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980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0306, Greenwood Mills Liner Plt - Reported by Jeffrey Hendel

Volatile Organics

Project: 13-0306, Greenwood Mills Liner Plt **Contract Lab Case: 43419**

Sample ID: GML-002-SD **Lab ID:** C131601-06 **MD No:**
Station ID: GML002 **Matrix:** Sediment **D No:** 77L7 CHEM

Date Collected: 4/3/13 14:20

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
Tentatively Identified Compounds:								
R4-0000	Tentatively Identified Compounds	7	U	ug/kg dry	7	4/08/13	4/08/13	CLP SOM01.2 V

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
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D.A.R.T. Id: 13-0295
Project: 13-0306, Greenwood Mills Liner Plt - Reported by Jeffrey Hendel

Volatile Organics

Project: 13-0306, Greenwood Mills Liner Plt **Contract Lab Case: 43419**

Sample ID: GML-002-SW **Lab ID: C131601-07** **MD No:**

Station ID: GML002 **Matrix: Surface Water** **D No: 77N5 CHEM**

Date Collected: 4/3/13 14:10

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
R4-7156	(m- and/or p-)Xylene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
71-55-6	1,1,1-Trichloroethane	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
79-00-5	1,1,2-Trichloroethane	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
75-34-3	1,1-Dichloroethane	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
75-35-4	1,1-Dichloroethene (1,1-Dichloroethylene)	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
87-61-6	1,2,3-Trichlorobenzene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
120-82-1	1,2,4-Trichlorobenzene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
96-12-8	1,2-Dibromo-3-Chloropropane (DBCP)	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
106-93-4	1,2-Dibromoethane (EDB)	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
95-50-1	1,2-Dichlorobenzene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
107-06-2	1,2-Dichloroethane	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
78-87-5	1,2-Dichloropropane	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
541-73-1	1,3-Dichlorobenzene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
106-46-7	1,4-Dichlorobenzene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
123-91-1	1,4-Dioxane	100	U, R, CLP32, CLP17	ug/L	100	4/09/13	4/09/13	CLP SOM01.2 V
67-64-1	Acetone	10	U, J, QC-1	ug/L	10	4/09/13	4/09/13	CLP SOM01.2 V
71-43-2	Benzene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
74-97-5	Bromochloromethane	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
75-27-4	Bromodichloromethane	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
75-25-2	Bromoform	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
74-83-9	Bromomethane	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
75-15-0	Carbon disulfide	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
56-23-5	Carbon Tetrachloride	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
108-90-7	Chlorobenzene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
75-00-3	Chloroethane	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V

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D.A.R.T. Id: 13-0295
Project: 13-0306, Greenwood Mills Liner Plt - Reported by Jeffrey Hendel

Volatile Organics

Project: 13-0306, Greenwood Mills Liner Plt **Contract Lab Case: 43419**

Sample ID: GML-002-SW **Lab ID:** C131601-07 **MD No:**
Station ID: GML002 **Matrix:** Surface Water **D No:** 77N5 CHEM

Date Collected: 4/3/13 14:10

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
67-66-3	Chloroform	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
74-87-3	Chloromethane	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
156-59-2	cis-1,2-Dichloroethene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
10061-01-5	cis-1,3-Dichloropropene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
110-82-7	Cyclohexane	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
124-48-1	Dibromochloromethane	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
75-71-8	Dichlorodifluoromethane (Freon 12)	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
100-41-4	Ethyl Benzene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
98-82-8	Isopropylbenzene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
79-20-9	Methyl Acetate	5.0	U, J, QC-1	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
591-78-6	Methyl Butyl Ketone	10	U	ug/L	10	4/09/13	4/09/13	CLP SOM01.2 V
78-93-3	Methyl Ethyl Ketone	10	U, J, QC-1	ug/L	10	4/09/13	4/09/13	CLP SOM01.2 V
108-10-1	Methyl Isobutyl Ketone	10	U	ug/L	10	4/09/13	4/09/13	CLP SOM01.2 V
1634-04-4	Methyl T-Butyl Ether (MTBE)	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
108-87-2	Methylcyclohexane	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
75-09-2	Methylene Chloride	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
95-47-6	o-Xylene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
100-42-5	Styrene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
127-18-4	Tetrachloroethene (Tetrachloroethylene)	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
108-88-3	Toluene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
156-60-5	trans-1,2-Dichloroethene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
10061-02-6	trans-1,3-Dichloropropene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
79-01-6	Trichloroethene (Trichloroethylene)	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
75-69-4	Trichlorofluoromethane (Freon 11)	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
75-01-4	Vinyl chloride	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
Tentatively Identified Compounds:								
R4-0000	Tentatively Identified Compounds	5	U	ug/L	5	4/09/13	4/09/13	CLP SOM01.2 V

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0306, Greenwood Mills Liner Plt - Reported by Jeffrey Hendel

Volatile Organics

Project: 13-0306, Greenwood Mills Liner Plt **Contract Lab Case: 43419**

Sample ID: GML-003-SD **Lab ID: C131601-08** **MD No:**

Station ID: GML003 **Matrix: Sediment** **D No: 77L8 CHEM**

Date Collected: 4/3/13 11:25

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1644012	% Moisture	41		%		4/10/13	4/10/13	CLP VOA
R4-7156	(m- and/or p-)Xylene	4.7	U	ug/kg dry	4.7	4/10/13	4/10/13	CLP SOM01.2 V
71-55-6	1,1,1-Trichloroethane	4.7	U	ug/kg dry	4.7	4/10/13	4/10/13	CLP SOM01.2 V
79-34-5	1,1,2,2-Tetrachloroethane	4.7	U	ug/kg dry	4.7	4/10/13	4/10/13	CLP SOM01.2 V
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	4.7	U	ug/kg dry	4.7	4/10/13	4/10/13	CLP SOM01.2 V
79-00-5	1,1,2-Trichloroethane	4.7	U	ug/kg dry	4.7	4/10/13	4/10/13	CLP SOM01.2 V
75-34-3	1,1-Dichloroethane	4.7	U	ug/kg dry	4.7	4/10/13	4/10/13	CLP SOM01.2 V
75-35-4	1,1-Dichloroethene (1,1-Dichloroethylene)	4.7	U	ug/kg dry	4.7	4/10/13	4/10/13	CLP SOM01.2 V
87-61-6	1,2,3-Trichlorobenzene	4.7	U, J, QI-1	ug/kg dry	4.7	4/10/13	4/10/13	CLP SOM01.2 V
120-82-1	1,2,4-Trichlorobenzene	4.7	U, J, QI-1	ug/kg dry	4.7	4/10/13	4/10/13	CLP SOM01.2 V
96-12-8	1,2-Dibromo-3-Chloropropane (DBCP)	4.7	U, J, QI-1	ug/kg dry	4.7	4/10/13	4/10/13	CLP SOM01.2 V
106-93-4	1,2-Dibromoethane (EDB)	4.7	U	ug/kg dry	4.7	4/10/13	4/10/13	CLP SOM01.2 V
95-50-1	1,2-Dichlorobenzene	4.7	U, J, QI-1	ug/kg dry	4.7	4/10/13	4/10/13	CLP SOM01.2 V
107-06-2	1,2-Dichloroethane	4.7	U	ug/kg dry	4.7	4/10/13	4/10/13	CLP SOM01.2 V
78-87-5	1,2-Dichloropropane	4.7	U	ug/kg dry	4.7	4/10/13	4/10/13	CLP SOM01.2 V
541-73-1	1,3-Dichlorobenzene	4.7	U, J, QI-1	ug/kg dry	4.7	4/10/13	4/10/13	CLP SOM01.2 V
106-46-7	1,4-Dichlorobenzene	4.7	U, J, QI-1	ug/kg dry	4.7	4/10/13	4/10/13	CLP SOM01.2 V
123-91-1	1,4-Dioxane	94	U, R, CLP32, CLP17	ug/kg dry	94	4/10/13	4/10/13	CLP SOM01.2 V
67-64-1	Acetone	9.4	U, J, CLP16	ug/kg dry	9.4	4/10/13	4/10/13	CLP SOM01.2 V
71-43-2	Benzene	4.7	U	ug/kg dry	4.7	4/10/13	4/10/13	CLP SOM01.2 V
74-97-5	Bromochloromethane	4.7	U	ug/kg dry	4.7	4/10/13	4/10/13	CLP SOM01.2 V
75-27-4	Bromodichloromethane	4.7	U	ug/kg dry	4.7	4/10/13	4/10/13	CLP SOM01.2 V
75-25-2	Bromoform	4.7	U, J, QI-1	ug/kg dry	4.7	4/10/13	4/10/13	CLP SOM01.2 V
74-83-9	Bromomethane	4.7	U	ug/kg dry	4.7	4/10/13	4/10/13	CLP SOM01.2 V
75-15-0	Carbon disulfide	4.7	U	ug/kg dry	4.7	4/10/13	4/10/13	CLP SOM01.2 V
56-23-5	Carbon Tetrachloride	4.7	U	ug/kg dry	4.7	4/10/13	4/10/13	CLP SOM01.2 V
108-90-7	Chlorobenzene	4.7	U	ug/kg dry	4.7	4/10/13	4/10/13	CLP SOM01.2 V

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
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D.A.R.T. Id: 13-0295
Project: 13-0306, Greenwood Mills Liner Plt - Reported by Jeffrey Hendel

Volatile Organics

Project: 13-0306, Greenwood Mills Liner Plt **Contract Lab Case: 43419**

Sample ID: GML-003-SD **Lab ID: C131601-08** **MD No:**

Station ID: GML003 **Matrix: Sediment** **D No: 77L8 CHEM**

Date Collected: 4/3/13 11:25

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
75-00-3	Chloroethane	4.7	U	ug/kg dry	4.7	4/10/13	4/10/13	CLP SOM01.2 V
67-66-3	Chloroform	4.7	U	ug/kg dry	4.7	4/10/13	4/10/13	CLP SOM01.2 V
74-87-3	Chloromethane	4.7	U	ug/kg dry	4.7	4/10/13	4/10/13	CLP SOM01.2 V
156-59-2	cis-1,2-Dichloroethene	4.7	U	ug/kg dry	4.7	4/10/13	4/10/13	CLP SOM01.2 V
10061-01-5	cis-1,3-Dichloropropene	4.7	U	ug/kg dry	4.7	4/10/13	4/10/13	CLP SOM01.2 V
110-82-7	Cyclohexane	4.7	U	ug/kg dry	4.7	4/10/13	4/10/13	CLP SOM01.2 V
124-48-1	Dibromochloromethane	4.7	U	ug/kg dry	4.7	4/10/13	4/10/13	CLP SOM01.2 V
75-71-8	Dichlorodifluoromethane (Freon 12)	4.7	U	ug/kg dry	4.7	4/10/13	4/10/13	CLP SOM01.2 V
100-41-4	Ethyl Benzene	4.7	U	ug/kg dry	4.7	4/10/13	4/10/13	CLP SOM01.2 V
98-82-8	Isopropylbenzene	4.7	U	ug/kg dry	4.7	4/10/13	4/10/13	CLP SOM01.2 V
79-20-9	Methyl Acetate	4.7	U	ug/kg dry	4.7	4/10/13	4/10/13	CLP SOM01.2 V
591-78-6	Methyl Butyl Ketone	9.4	U	ug/kg dry	9.4	4/10/13	4/10/13	CLP SOM01.2 V
78-93-3	Methyl Ethyl Ketone	9.4	U, J, CLP16	ug/kg dry	9.4	4/10/13	4/10/13	CLP SOM01.2 V
108-10-1	Methyl Isobutyl Ketone	9.4	U	ug/kg dry	9.4	4/10/13	4/10/13	CLP SOM01.2 V
1634-04-4	Methyl T-Butyl Ether (MTBE)	4.7	U	ug/kg dry	4.7	4/10/13	4/10/13	CLP SOM01.2 V
108-87-2	Methylcyclohexane	4.7	U	ug/kg dry	4.7	4/10/13	4/10/13	CLP SOM01.2 V
75-09-2	Methylene Chloride	4.7	U, J, CLP16	ug/kg dry	4.7	4/10/13	4/10/13	CLP SOM01.2 V
95-47-6	o-Xylene	4.7	U	ug/kg dry	4.7	4/10/13	4/10/13	CLP SOM01.2 V
100-42-5	Styrene	4.7	U	ug/kg dry	4.7	4/10/13	4/10/13	CLP SOM01.2 V
127-18-4	Tetrachloroethene (Tetrachloroethylene)	4.7	U	ug/kg dry	4.7	4/10/13	4/10/13	CLP SOM01.2 V
108-88-3	Toluene	4.7	U	ug/kg dry	4.7	4/10/13	4/10/13	CLP SOM01.2 V
156-60-5	trans-1,2-Dichloroethene	4.7	U	ug/kg dry	4.7	4/10/13	4/10/13	CLP SOM01.2 V
10061-02-6	trans-1,3-Dichloropropene	4.7	U	ug/kg dry	4.7	4/10/13	4/10/13	CLP SOM01.2 V
79-01-6	Trichloroethene (Trichloroethylene)	4.7	U	ug/kg dry	4.7	4/10/13	4/10/13	CLP SOM01.2 V
75-69-4	Trichlorofluoromethane (Freon 11)	4.7	U	ug/kg dry	4.7	4/10/13	4/10/13	CLP SOM01.2 V
75-01-4	Vinyl chloride	4.7	U	ug/kg dry	4.7	4/10/13	4/10/13	CLP SOM01.2 V
Tentatively Identified Compounds:								
R4-0000	Tentatively Identified Compounds	5	U	ug/kg dry	5	4/10/13	4/10/13	CLP SOM01.2 V

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0306, Greenwood Mills Liner Plt - Reported by Jeffrey Hendel

Volatile Organics

Project: 13-0306, Greenwood Mills Liner Plt **Contract Lab Case: 43419**

Sample ID: GML-003-SW **Lab ID: C131601-09** **MD No:**

Station ID: GML003 **Matrix: Surface Water** **D No: 77N6 CHEM**

Date Collected: 4/3/13 11:20

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
R4-7156	(m- and/or p-)Xylene	5.0	U	ug/L	5.0	4/11/13	4/11/13	CLP SOM01.2 V
71-55-6	1,1,1-Trichloroethane	5.0	U	ug/L	5.0	4/11/13	4/11/13	CLP SOM01.2 V
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U, J, QC-1	ug/L	5.0	4/11/13	4/11/13	CLP SOM01.2 V
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	5.0	U	ug/L	5.0	4/11/13	4/11/13	CLP SOM01.2 V
79-00-5	1,1,2-Trichloroethane	5.0	U	ug/L	5.0	4/11/13	4/11/13	CLP SOM01.2 V
75-34-3	1,1-Dichloroethane	5.0	U	ug/L	5.0	4/11/13	4/11/13	CLP SOM01.2 V
75-35-4	1,1-Dichloroethene (1,1-Dichloroethylene)	5.0	U	ug/L	5.0	4/11/13	4/11/13	CLP SOM01.2 V
87-61-6	1,2,3-Trichlorobenzene	5.0	U	ug/L	5.0	4/11/13	4/11/13	CLP SOM01.2 V
120-82-1	1,2,4-Trichlorobenzene	5.0	U	ug/L	5.0	4/11/13	4/11/13	CLP SOM01.2 V
96-12-8	1,2-Dibromo-3-Chloropropane (DBCP)	5.0	U	ug/L	5.0	4/11/13	4/11/13	CLP SOM01.2 V
106-93-4	1,2-Dibromoethane (EDB)	5.0	U	ug/L	5.0	4/11/13	4/11/13	CLP SOM01.2 V
95-50-1	1,2-Dichlorobenzene	5.0	U	ug/L	5.0	4/11/13	4/11/13	CLP SOM01.2 V
107-06-2	1,2-Dichloroethane	5.0	U	ug/L	5.0	4/11/13	4/11/13	CLP SOM01.2 V
78-87-5	1,2-Dichloropropane	5.0	U	ug/L	5.0	4/11/13	4/11/13	CLP SOM01.2 V
541-73-1	1,3-Dichlorobenzene	5.0	U	ug/L	5.0	4/11/13	4/11/13	CLP SOM01.2 V
106-46-7	1,4-Dichlorobenzene	5.0	U	ug/L	5.0	4/11/13	4/11/13	CLP SOM01.2 V
123-91-1	1,4-Dioxane	100	U, R, CLP32, CLP17	ug/L	100	4/11/13	4/11/13	CLP SOM01.2 V
67-64-1	Acetone	10	U	ug/L	10	4/11/13	4/11/13	CLP SOM01.2 V
71-43-2	Benzene	5.0	U	ug/L	5.0	4/11/13	4/11/13	CLP SOM01.2 V
74-97-5	Bromochloromethane	5.0	U	ug/L	5.0	4/11/13	4/11/13	CLP SOM01.2 V
75-27-4	Bromodichloromethane	5.0	U	ug/L	5.0	4/11/13	4/11/13	CLP SOM01.2 V
75-25-2	Bromoform	5.0	U	ug/L	5.0	4/11/13	4/11/13	CLP SOM01.2 V
74-83-9	Bromomethane	5.0	U	ug/L	5.0	4/11/13	4/11/13	CLP SOM01.2 V
75-15-0	Carbon disulfide	5.0	U	ug/L	5.0	4/11/13	4/11/13	CLP SOM01.2 V
56-23-5	Carbon Tetrachloride	5.0	U	ug/L	5.0	4/11/13	4/11/13	CLP SOM01.2 V
108-90-7	Chlorobenzene	5.0	U	ug/L	5.0	4/11/13	4/11/13	CLP SOM01.2 V
75-00-3	Chloroethane	5.0	U	ug/L	5.0	4/11/13	4/11/13	CLP SOM01.2 V

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D.A.R.T. Id: 13-0295
Project: 13-0306, Greenwood Mills Liner Plt - Reported by Jeffrey Hendel

Volatile Organics

Project: 13-0306, Greenwood Mills Liner Plt **Contract Lab Case: 43419**

Sample ID: GML-003-SW **Lab ID: C131601-09** **MD No:**

Station ID: GML003 **Matrix: Surface Water** **D No: 77N6 CHEM**

Date Collected: 4/3/13 11:20

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
67-66-3	Chloroform	5.0	U	ug/L	5.0	4/11/13	4/11/13	CLP SOM01.2 V
74-87-3	Chloromethane	5.0	U	ug/L	5.0	4/11/13	4/11/13	CLP SOM01.2 V
156-59-2	cis-1,2-Dichloroethene	5.0	U	ug/L	5.0	4/11/13	4/11/13	CLP SOM01.2 V
10061-01-5	cis-1,3-Dichloropropene	5.0	U	ug/L	5.0	4/11/13	4/11/13	CLP SOM01.2 V
110-82-7	Cyclohexane	5.0	U	ug/L	5.0	4/11/13	4/11/13	CLP SOM01.2 V
124-48-1	Dibromochloromethane	5.0	U	ug/L	5.0	4/11/13	4/11/13	CLP SOM01.2 V
75-71-8	Dichlorodifluoromethane (Freon 12)	5.0	U	ug/L	5.0	4/11/13	4/11/13	CLP SOM01.2 V
100-41-4	Ethyl Benzene	5.0	U	ug/L	5.0	4/11/13	4/11/13	CLP SOM01.2 V
98-82-8	Isopropylbenzene	5.0	U	ug/L	5.0	4/11/13	4/11/13	CLP SOM01.2 V
79-20-9	Methyl Acetate	5.0	U, J, QC-1	ug/L	5.0	4/11/13	4/11/13	CLP SOM01.2 V
591-78-6	Methyl Butyl Ketone	10	U	ug/L	10	4/11/13	4/11/13	CLP SOM01.2 V
78-93-3	Methyl Ethyl Ketone	10	U	ug/L	10	4/11/13	4/11/13	CLP SOM01.2 V
108-10-1	Methyl Isobutyl Ketone	10	U	ug/L	10	4/11/13	4/11/13	CLP SOM01.2 V
1634-04-4	Methyl T-Butyl Ether (MTBE)	5.0	U	ug/L	5.0	4/11/13	4/11/13	CLP SOM01.2 V
108-87-2	Methylcyclohexane	5.0	U	ug/L	5.0	4/11/13	4/11/13	CLP SOM01.2 V
75-09-2	Methylene Chloride	5.0	U	ug/L	5.0	4/11/13	4/11/13	CLP SOM01.2 V
95-47-6	o-Xylene	5.0	U	ug/L	5.0	4/11/13	4/11/13	CLP SOM01.2 V
100-42-5	Styrene	5.0	U	ug/L	5.0	4/11/13	4/11/13	CLP SOM01.2 V
127-18-4	Tetrachloroethene (Tetrachloroethylene)	5.0	U	ug/L	5.0	4/11/13	4/11/13	CLP SOM01.2 V
108-88-3	Toluene	5.0	U	ug/L	5.0	4/11/13	4/11/13	CLP SOM01.2 V
156-60-5	trans-1,2-Dichloroethene	5.0	U	ug/L	5.0	4/11/13	4/11/13	CLP SOM01.2 V
10061-02-6	trans-1,3-Dichloropropene	5.0	U	ug/L	5.0	4/11/13	4/11/13	CLP SOM01.2 V
79-01-6	Trichloroethene (Trichloroethylene)	5.0	U	ug/L	5.0	4/11/13	4/11/13	CLP SOM01.2 V
75-69-4	Trichlorofluoromethane (Freon 11)	5.0	U	ug/L	5.0	4/11/13	4/11/13	CLP SOM01.2 V
75-01-4	Vinyl chloride	5.0	U	ug/L	5.0	4/11/13	4/11/13	CLP SOM01.2 V
Tentatively Identified Compounds:								
R4-0000	Tentatively Identified Compounds	5	U	ug/L	5	4/11/13	4/11/13	CLP SOM01.2 V

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
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D.A.R.T. Id: 13-0295
Project: 13-0306, Greenwood Mills Liner Plt - Reported by Jeffrey Hendel

Volatile Organics

Project: 13-0306, Greenwood Mills Liner Plt **Contract Lab Case: 43419**

Sample ID: GML-004-SD **Lab ID: C131601-10** **MD No:**

Station ID: GML004 **Matrix: Sediment** **D No: 77L9 CHEM**

Date Collected: 4/3/13 11:45

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1644012	% Moisture	54		%		4/08/13	4/08/13	CLP VOA
R4-7156	(m- and/or p-)Xylene	5.7	U	ug/kg dry	5.7	4/08/13	4/08/13	CLP SOM01.2 V
71-55-6	1,1,1-Trichloroethane	5.7	U	ug/kg dry	5.7	4/08/13	4/08/13	CLP SOM01.2 V
79-34-5	1,1,2,2-Tetrachloroethane	5.7	U	ug/kg dry	5.7	4/08/13	4/08/13	CLP SOM01.2 V
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	5.7	U	ug/kg dry	5.7	4/08/13	4/08/13	CLP SOM01.2 V
79-00-5	1,1,2-Trichloroethane	5.7	U	ug/kg dry	5.7	4/08/13	4/08/13	CLP SOM01.2 V
75-34-3	1,1-Dichloroethane	5.7	U	ug/kg dry	5.7	4/08/13	4/08/13	CLP SOM01.2 V
75-35-4	1,1-Dichloroethene (1,1-Dichloroethylene)	5.7	U	ug/kg dry	5.7	4/08/13	4/08/13	CLP SOM01.2 V
87-61-6	1,2,3-Trichlorobenzene	5.7	U	ug/kg dry	5.7	4/08/13	4/08/13	CLP SOM01.2 V
120-82-1	1,2,4-Trichlorobenzene	5.7	U	ug/kg dry	5.7	4/08/13	4/08/13	CLP SOM01.2 V
96-12-8	1,2-Dibromo-3-Chloropropane (DBCP)	5.7	U, J, CLP16	ug/kg dry	5.7	4/08/13	4/08/13	CLP SOM01.2 V
106-93-4	1,2-Dibromoethane (EDB)	5.7	U	ug/kg dry	5.7	4/08/13	4/08/13	CLP SOM01.2 V
95-50-1	1,2-Dichlorobenzene	5.7	U	ug/kg dry	5.7	4/08/13	4/08/13	CLP SOM01.2 V
107-06-2	1,2-Dichloroethane	5.7	U	ug/kg dry	5.7	4/08/13	4/08/13	CLP SOM01.2 V
78-87-5	1,2-Dichloropropane	5.7	U	ug/kg dry	5.7	4/08/13	4/08/13	CLP SOM01.2 V
541-73-1	1,3-Dichlorobenzene	5.7	U	ug/kg dry	5.7	4/08/13	4/08/13	CLP SOM01.2 V
106-46-7	1,4-Dichlorobenzene	5.7	U	ug/kg dry	5.7	4/08/13	4/08/13	CLP SOM01.2 V
123-91-1	1,4-Dioxane	110	U, R, CLP32, CLP17	ug/kg dry	110	4/08/13	4/08/13	CLP SOM01.2 V
67-64-1	Acetone	11	U, J, QC-1	ug/kg dry	11	4/08/13	4/08/13	CLP SOM01.2 V
71-43-2	Benzene	5.7	U	ug/kg dry	5.7	4/08/13	4/08/13	CLP SOM01.2 V
74-97-5	Bromochloromethane	5.7	U	ug/kg dry	5.7	4/08/13	4/08/13	CLP SOM01.2 V
75-27-4	Bromodichloromethane	5.7	U	ug/kg dry	5.7	4/08/13	4/08/13	CLP SOM01.2 V
75-25-2	Bromoform	5.7	U	ug/kg dry	5.7	4/08/13	4/08/13	CLP SOM01.2 V
74-83-9	Bromomethane	5.7	U	ug/kg dry	5.7	4/08/13	4/08/13	CLP SOM01.2 V
75-15-0	Carbon disulfide	5.7	U	ug/kg dry	5.7	4/08/13	4/08/13	CLP SOM01.2 V
56-23-5	Carbon Tetrachloride	5.7	U	ug/kg dry	5.7	4/08/13	4/08/13	CLP SOM01.2 V
108-90-7	Chlorobenzene	5.7	U	ug/kg dry	5.7	4/08/13	4/08/13	CLP SOM01.2 V

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0306, Greenwood Mills Liner Plt - Reported by Jeffrey Hendel

Volatile Organics

Project: 13-0306, Greenwood Mills Liner Plt **Contract Lab Case: 43419**

Sample ID: GML-004-SD **Lab ID: C131601-10** **MD No:**

Station ID: GML004 **Matrix: Sediment** **D No: 77L9 CHEM**

Date Collected: 4/3/13 11:45

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
75-00-3	Chloroethane	5.7	U	ug/kg dry	5.7	4/08/13	4/08/13	CLP SOM01.2 V
67-66-3	Chloroform	5.7	U	ug/kg dry	5.7	4/08/13	4/08/13	CLP SOM01.2 V
74-87-3	Chloromethane	5.7	U	ug/kg dry	5.7	4/08/13	4/08/13	CLP SOM01.2 V
156-59-2	cis-1,2-Dichloroethene	5.7	U	ug/kg dry	5.7	4/08/13	4/08/13	CLP SOM01.2 V
10061-01-5	cis-1,3-Dichloropropene	5.7	U	ug/kg dry	5.7	4/08/13	4/08/13	CLP SOM01.2 V
110-82-7	Cyclohexane	5.7	U	ug/kg dry	5.7	4/08/13	4/08/13	CLP SOM01.2 V
124-48-1	Dibromochloromethane	5.7	U	ug/kg dry	5.7	4/08/13	4/08/13	CLP SOM01.2 V
75-71-8	Dichlorodifluoromethane (Freon 12)	5.7	U, J, CLP16	ug/kg dry	5.7	4/08/13	4/08/13	CLP SOM01.2 V
100-41-4	Ethyl Benzene	5.7	U	ug/kg dry	5.7	4/08/13	4/08/13	CLP SOM01.2 V
98-82-8	Isopropylbenzene	5.7	U	ug/kg dry	5.7	4/08/13	4/08/13	CLP SOM01.2 V
79-20-9	Methyl Acetate	5.7	U, J, CLP16	ug/kg dry	5.7	4/08/13	4/08/13	CLP SOM01.2 V
591-78-6	Methyl Butyl Ketone	11	U, J, CLP16	ug/kg dry	11	4/08/13	4/08/13	CLP SOM01.2 V
78-93-3	Methyl Ethyl Ketone	11	U, J, CLP16	ug/kg dry	11	4/08/13	4/08/13	CLP SOM01.2 V
108-10-1	Methyl Isobutyl Ketone	11	U, J, CLP16	ug/kg dry	11	4/08/13	4/08/13	CLP SOM01.2 V
1634-04-4	Methyl T-Butyl Ether (MTBE)	5.7	U	ug/kg dry	5.7	4/08/13	4/08/13	CLP SOM01.2 V
108-87-2	Methylcyclohexane	5.7	U	ug/kg dry	5.7	4/08/13	4/08/13	CLP SOM01.2 V
75-09-2	Methylene Chloride	5.7	U, J, CLP16	ug/kg dry	5.7	4/08/13	4/08/13	CLP SOM01.2 V
95-47-6	o-Xylene	5.7	U	ug/kg dry	5.7	4/08/13	4/08/13	CLP SOM01.2 V
100-42-5	Styrene	5.7	U	ug/kg dry	5.7	4/08/13	4/08/13	CLP SOM01.2 V
127-18-4	Tetrachloroethene (Tetrachloroethylene)	5.7	U	ug/kg dry	5.7	4/08/13	4/08/13	CLP SOM01.2 V
108-88-3	Toluene	5.7	U	ug/kg dry	5.7	4/08/13	4/08/13	CLP SOM01.2 V
156-60-5	trans-1,2-Dichloroethene	5.7	U	ug/kg dry	5.7	4/08/13	4/08/13	CLP SOM01.2 V
10061-02-6	trans-1,3-Dichloropropene	5.7	U	ug/kg dry	5.7	4/08/13	4/08/13	CLP SOM01.2 V
79-01-6	Trichloroethene (Trichloroethylene)	5.7	U	ug/kg dry	5.7	4/08/13	4/08/13	CLP SOM01.2 V
75-69-4	Trichlorofluoromethane (Freon 11)	5.7	U	ug/kg dry	5.7	4/08/13	4/08/13	CLP SOM01.2 V
75-01-4	Vinyl chloride	5.7	U	ug/kg dry	5.7	4/08/13	4/08/13	CLP SOM01.2 V
Tentatively Identified Compounds:								
R4-0000	Tentatively Identified Compounds	6	U	ug/kg dry	6	4/08/13	4/08/13	CLP SOM01.2 V

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 4 Science and Ecosystem Support Division
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D.A.R.T. Id: 13-0295
Project: 13-0306, Greenwood Mills Liner Plt - Reported by Jeffrey Hendel

Volatile Organics

Project: 13-0306, Greenwood Mills Liner Plt **Contract Lab Case: 43419**

Sample ID: GML-004-SW **Lab ID: C131601-11** **MD No:**

Station ID: GML004 **Matrix: Surface Water** **D No: 77N7 CHEM**

Date Collected: 4/3/13 11:40

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
R4-7156	(m- and/or p-)Xylene	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
71-55-6	1,1,1-Trichloroethane	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
79-00-5	1,1,2-Trichloroethane	5.0	U, J, QS-3	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
75-34-3	1,1-Dichloroethane	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
75-35-4	1,1-Dichloroethene (1,1-Dichloroethylene)	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
87-61-6	1,2,3-Trichlorobenzene	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
120-82-1	1,2,4-Trichlorobenzene	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
96-12-8	1,2-Dibromo-3-Chloropropane (DBCP)	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
106-93-4	1,2-Dibromoethane (EDB)	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
95-50-1	1,2-Dichlorobenzene	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
107-06-2	1,2-Dichloroethane	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
78-87-5	1,2-Dichloropropane	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
541-73-1	1,3-Dichlorobenzene	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
106-46-7	1,4-Dichlorobenzene	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
123-91-1	1,4-Dioxane	100	U, R, CLP32, CLP17	ug/L	100	4/08/13	4/08/13	CLP SOM01.2 V
67-64-1	Acetone	10	U	ug/L	10	4/08/13	4/08/13	CLP SOM01.2 V
71-43-2	Benzene	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
74-97-5	Bromochloromethane	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
75-27-4	Bromodichloromethane	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
75-25-2	Bromoform	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
74-83-9	Bromomethane	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
75-15-0	Carbon disulfide	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
56-23-5	Carbon Tetrachloride	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
108-90-7	Chlorobenzene	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
75-00-3	Chloroethane	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
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D.A.R.T. Id: 13-0295
Project: 13-0306, Greenwood Mills Liner Plt - Reported by Jeffrey Hendel

Volatile Organics

Project: 13-0306, Greenwood Mills Liner Plt **Contract Lab Case: 43419**

Sample ID: GML-004-SW **Lab ID: C131601-11** **MD No:**

Station ID: GML004 **Matrix: Surface Water** **D No: 77N7 CHEM**

Date Collected: 4/3/13 11:40

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
67-66-3	Chloroform	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
74-87-3	Chloromethane	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
156-59-2	cis-1,2-Dichloroethene	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
10061-01-5	cis-1,3-Dichloropropene	5.0	U, J, QS-3	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
110-82-7	Cyclohexane	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
124-48-1	Dibromochloromethane	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
75-71-8	Dichlorodifluoromethane (Freon 12)	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
100-41-4	Ethyl Benzene	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
98-82-8	Isopropylbenzene	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
79-20-9	Methyl Acetate	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
591-78-6	Methyl Butyl Ketone	10	U	ug/L	10	4/08/13	4/08/13	CLP SOM01.2 V
78-93-3	Methyl Ethyl Ketone	10	U	ug/L	10	4/08/13	4/08/13	CLP SOM01.2 V
108-10-1	Methyl Isobutyl Ketone	10	U	ug/L	10	4/08/13	4/08/13	CLP SOM01.2 V
1634-04-4	Methyl T-Butyl Ether (MTBE)	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
108-87-2	Methylcyclohexane	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
75-09-2	Methylene Chloride	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
95-47-6	o-Xylene	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
100-42-5	Styrene	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
127-18-4	Tetrachloroethene (Tetrachloroethylene)	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
108-88-3	Toluene	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
156-60-5	trans-1,2-Dichloroethene	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
10061-02-6	trans-1,3-Dichloropropene	5.0	U, J, QS-3	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
79-01-6	Trichloroethene (Trichloroethylene)	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
75-69-4	Trichlorofluoromethane (Freon 11)	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
75-01-4	Vinyl chloride	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
Tentatively Identified Compounds:								
R4-6501	Unidentified Compound(s)	20	J, CLP15	ug/L		4/08/13	4/08/13	CLP SOM01.2 V

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D.A.R.T. Id: 13-0295
Project: 13-0306, Greenwood Mills Liner Plt - Reported by Jeffrey Hendel

Volatile Organics

Project: 13-0306, Greenwood Mills Liner Plt **Contract Lab Case: 43419**

Sample ID: GML-005-SD **Lab ID: C131601-12** **MD No:**

Station ID: GML005 **Matrix: Sediment** **D No: 77M0 CHEM**

Date Collected: 4/3/13 13:31

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1644012	% Moisture	16		%		4/08/13	4/08/13	CLP VOA
R4-7156	(m- and/or p-)Xylene	2.2	U	ug/kg dry	2.2	4/08/13	4/08/13	CLP SOM01.2 V
71-55-6	1,1,1-Trichloroethane	2.2	U	ug/kg dry	2.2	4/08/13	4/08/13	CLP SOM01.2 V
79-34-5	1,1,2,2-Tetrachloroethane	2.2	U	ug/kg dry	2.2	4/08/13	4/08/13	CLP SOM01.2 V
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	2.2	U	ug/kg dry	2.2	4/08/13	4/08/13	CLP SOM01.2 V
79-00-5	1,1,2-Trichloroethane	2.2	U	ug/kg dry	2.2	4/08/13	4/08/13	CLP SOM01.2 V
75-34-3	1,1-Dichloroethane	2.2	U	ug/kg dry	2.2	4/08/13	4/08/13	CLP SOM01.2 V
75-35-4	1,1-Dichloroethene (1,1-Dichloroethylene)	2.2	U	ug/kg dry	2.2	4/08/13	4/08/13	CLP SOM01.2 V
87-61-6	1,2,3-Trichlorobenzene	2.2	U	ug/kg dry	2.2	4/08/13	4/08/13	CLP SOM01.2 V
120-82-1	1,2,4-Trichlorobenzene	2.2	U	ug/kg dry	2.2	4/08/13	4/08/13	CLP SOM01.2 V
96-12-8	1,2-Dibromo-3-Chloropropane (DBCP)	2.2	U, J, CLP16	ug/kg dry	2.2	4/08/13	4/08/13	CLP SOM01.2 V
106-93-4	1,2-Dibromoethane (EDB)	2.2	U	ug/kg dry	2.2	4/08/13	4/08/13	CLP SOM01.2 V
95-50-1	1,2-Dichlorobenzene	2.2	U	ug/kg dry	2.2	4/08/13	4/08/13	CLP SOM01.2 V
107-06-2	1,2-Dichloroethane	2.2	U	ug/kg dry	2.2	4/08/13	4/08/13	CLP SOM01.2 V
78-87-5	1,2-Dichloropropane	2.2	U	ug/kg dry	2.2	4/08/13	4/08/13	CLP SOM01.2 V
541-73-1	1,3-Dichlorobenzene	2.2	U	ug/kg dry	2.2	4/08/13	4/08/13	CLP SOM01.2 V
106-46-7	1,4-Dichlorobenzene	2.2	U	ug/kg dry	2.2	4/08/13	4/08/13	CLP SOM01.2 V
123-91-1	1,4-Dioxane	43	U, R, CLP32, CLP17	ug/kg dry	43	4/08/13	4/08/13	CLP SOM01.2 V
67-64-1	Acetone	13		ug/kg dry	4.3	4/08/13	4/08/13	CLP SOM01.2 V
71-43-2	Benzene	2.2	U	ug/kg dry	2.2	4/08/13	4/08/13	CLP SOM01.2 V
74-97-5	Bromochloromethane	2.2	U	ug/kg dry	2.2	4/08/13	4/08/13	CLP SOM01.2 V
75-27-4	Bromodichloromethane	2.2	U	ug/kg dry	2.2	4/08/13	4/08/13	CLP SOM01.2 V
75-25-2	Bromoform	2.2	U	ug/kg dry	2.2	4/08/13	4/08/13	CLP SOM01.2 V
74-83-9	Bromomethane	2.2	U	ug/kg dry	2.2	4/08/13	4/08/13	CLP SOM01.2 V
75-15-0	Carbon disulfide	2.2	U	ug/kg dry	2.2	4/08/13	4/08/13	CLP SOM01.2 V
56-23-5	Carbon Tetrachloride	2.2	U	ug/kg dry	2.2	4/08/13	4/08/13	CLP SOM01.2 V
108-90-7	Chlorobenzene	2.2	U	ug/kg dry	2.2	4/08/13	4/08/13	CLP SOM01.2 V

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D.A.R.T. Id: 13-0295
Project: 13-0306, Greenwood Mills Liner Plt - Reported by Jeffrey Hendel

Volatile Organics

Project: 13-0306, Greenwood Mills Liner Plt **Contract Lab Case: 43419**

Sample ID: GML-005-SD **Lab ID: C131601-12** **MD No:**

Station ID: GML005 **Matrix: Sediment** **D No: 77M0 CHEM**

Date Collected: 4/3/13 13:31

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
75-00-3	Chloroethane	2.2	U	ug/kg dry	2.2	4/08/13	4/08/13	CLP SOM01.2 V
67-66-3	Chloroform	2.2	U	ug/kg dry	2.2	4/08/13	4/08/13	CLP SOM01.2 V
74-87-3	Chloromethane	2.2	U	ug/kg dry	2.2	4/08/13	4/08/13	CLP SOM01.2 V
156-59-2	cis-1,2-Dichloroethene	2.2	U	ug/kg dry	2.2	4/08/13	4/08/13	CLP SOM01.2 V
10061-01-5	cis-1,3-Dichloropropene	2.2	U	ug/kg dry	2.2	4/08/13	4/08/13	CLP SOM01.2 V
110-82-7	Cyclohexane	2.2	U	ug/kg dry	2.2	4/08/13	4/08/13	CLP SOM01.2 V
124-48-1	Dibromochloromethane	2.2	U	ug/kg dry	2.2	4/08/13	4/08/13	CLP SOM01.2 V
75-71-8	Dichlorodifluoromethane (Freon 12)	2.2	U, J, CLP16	ug/kg dry	2.2	4/08/13	4/08/13	CLP SOM01.2 V
100-41-4	Ethyl Benzene	2.2	U	ug/kg dry	2.2	4/08/13	4/08/13	CLP SOM01.2 V
98-82-8	Isopropylbenzene	2.2	U	ug/kg dry	2.2	4/08/13	4/08/13	CLP SOM01.2 V
79-20-9	Methyl Acetate	2.2	U, J, CLP16	ug/kg dry	2.2	4/08/13	4/08/13	CLP SOM01.2 V
591-78-6	Methyl Butyl Ketone	4.3	U, J, CLP16	ug/kg dry	4.3	4/08/13	4/08/13	CLP SOM01.2 V
78-93-3	Methyl Ethyl Ketone	4.3	U, J, CLP16	ug/kg dry	4.3	4/08/13	4/08/13	CLP SOM01.2 V
108-10-1	Methyl Isobutyl Ketone	4.3	U, J, CLP16	ug/kg dry	4.3	4/08/13	4/08/13	CLP SOM01.2 V
1634-04-4	Methyl T-Butyl Ether (MTBE)	2.2	U	ug/kg dry	2.2	4/08/13	4/08/13	CLP SOM01.2 V
108-87-2	Methylcyclohexane	2.2	U	ug/kg dry	2.2	4/08/13	4/08/13	CLP SOM01.2 V
75-09-2	Methylene Chloride	2.2	U, J, CLP16	ug/kg dry	2.2	4/08/13	4/08/13	CLP SOM01.2 V
95-47-6	o-Xylene	2.2	U	ug/kg dry	2.2	4/08/13	4/08/13	CLP SOM01.2 V
100-42-5	Styrene	2.2	U	ug/kg dry	2.2	4/08/13	4/08/13	CLP SOM01.2 V
127-18-4	Tetrachloroethene (Tetrachloroethylene)	2.2	U	ug/kg dry	2.2	4/08/13	4/08/13	CLP SOM01.2 V
108-88-3	Toluene	2.2	U	ug/kg dry	2.2	4/08/13	4/08/13	CLP SOM01.2 V
156-60-5	trans-1,2-Dichloroethene	2.2	U	ug/kg dry	2.2	4/08/13	4/08/13	CLP SOM01.2 V
10061-02-6	trans-1,3-Dichloropropene	2.2	U	ug/kg dry	2.2	4/08/13	4/08/13	CLP SOM01.2 V
79-01-6	Trichloroethene (Trichloroethylene)	2.2	U	ug/kg dry	2.2	4/08/13	4/08/13	CLP SOM01.2 V
75-69-4	Trichlorofluoromethane (Freon 11)	2.2	U	ug/kg dry	2.2	4/08/13	4/08/13	CLP SOM01.2 V
75-01-4	Vinyl chloride	2.2	U	ug/kg dry	2.2	4/08/13	4/08/13	CLP SOM01.2 V
Tentatively Identified Compounds:								
R4-0000	Tentatively Identified Compounds	2	U	ug/kg dry	2	4/08/13	4/08/13	CLP SOM01.2 V

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0306, Greenwood Mills Liner Plt - Reported by Jeffrey Hendel

Volatile Organics

Project: 13-0306, Greenwood Mills Liner Plt **Contract Lab Case: 43419**

Sample ID: GML-005-SW **Lab ID: C131601-13** **MD No:**

Station ID: GML005 **Matrix: Surface Water** **D No: 77N8 CHEM**

Date Collected: 4/3/13 13:25

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
R4-7156	(m- and/or p-)Xylene	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
71-55-6	1,1,1-Trichloroethane	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
79-00-5	1,1,2-Trichloroethane	5.0	U, J, QS-3	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
75-34-3	1,1-Dichloroethane	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
75-35-4	1,1-Dichloroethene (1,1-Dichloroethylene)	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
87-61-6	1,2,3-Trichlorobenzene	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
120-82-1	1,2,4-Trichlorobenzene	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
96-12-8	1,2-Dibromo-3-Chloropropane (DBCP)	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
106-93-4	1,2-Dibromoethane (EDB)	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
95-50-1	1,2-Dichlorobenzene	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
107-06-2	1,2-Dichloroethane	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
78-87-5	1,2-Dichloropropane	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
541-73-1	1,3-Dichlorobenzene	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
106-46-7	1,4-Dichlorobenzene	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
123-91-1	1,4-Dioxane	100	U, R, CLP32, CLP17	ug/L	100	4/08/13	4/08/13	CLP SOM01.2 V
67-64-1	Acetone	10	U	ug/L	10	4/08/13	4/08/13	CLP SOM01.2 V
71-43-2	Benzene	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
74-97-5	Bromochloromethane	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
75-27-4	Bromodichloromethane	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
75-25-2	Bromoform	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
74-83-9	Bromomethane	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
75-15-0	Carbon disulfide	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
56-23-5	Carbon Tetrachloride	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
108-90-7	Chlorobenzene	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
75-00-3	Chloroethane	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V

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D.A.R.T. Id: 13-0295
Project: 13-0306, Greenwood Mills Liner Plt - Reported by Jeffrey Hendel

Volatile Organics

Project: 13-0306, Greenwood Mills Liner Plt **Contract Lab Case: 43419**

Sample ID: GML-005-SW **Lab ID: C131601-13** **MD No:**

Station ID: GML005 **Matrix: Surface Water** **D No: 77N8 CHEM**

Date Collected: 4/3/13 13:25

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
67-66-3	Chloroform	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
74-87-3	Chloromethane	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
156-59-2	cis-1,2-Dichloroethene	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
10061-01-5	cis-1,3-Dichloropropene	5.0	U, J, QS-3	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
110-82-7	Cyclohexane	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
124-48-1	Dibromochloromethane	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
75-71-8	Dichlorodifluoromethane (Freon 12)	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
100-41-4	Ethyl Benzene	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
98-82-8	Isopropylbenzene	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
79-20-9	Methyl Acetate	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
591-78-6	Methyl Butyl Ketone	10	U	ug/L	10	4/08/13	4/08/13	CLP SOM01.2 V
78-93-3	Methyl Ethyl Ketone	10	U	ug/L	10	4/08/13	4/08/13	CLP SOM01.2 V
108-10-1	Methyl Isobutyl Ketone	10	U	ug/L	10	4/08/13	4/08/13	CLP SOM01.2 V
1634-04-4	Methyl T-Butyl Ether (MTBE)	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
108-87-2	Methylcyclohexane	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
75-09-2	Methylene Chloride	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
95-47-6	o-Xylene	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
100-42-5	Styrene	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
127-18-4	Tetrachloroethene (Tetrachloroethylene)	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
108-88-3	Toluene	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
156-60-5	trans-1,2-Dichloroethene	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
10061-02-6	trans-1,3-Dichloropropene	5.0	U, J, QS-3	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
79-01-6	Trichloroethene (Trichloroethylene)	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
75-69-4	Trichlorofluoromethane (Freon 11)	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
75-01-4	Vinyl chloride	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
Tentatively Identified Compounds:								
R4-0000	Tentatively Identified Compounds	5	U	ug/L	5	4/08/13	4/08/13	CLP SOM01.2 V

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
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D.A.R.T. Id: 13-0295
Project: 13-0306, Greenwood Mills Liner Plt - Reported by Jeffrey Hendel

Volatile Organics

Project: 13-0306, Greenwood Mills Liner Plt **Contract Lab Case: 43419**

Sample ID: GML-006-SD **Lab ID: C131601-14** **MD No:**

Station ID: GML006 **Matrix: Sediment** **D No: 77M1 CHEM**

Date Collected: 4/3/13 11:10

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1644012	% Moisture	27		%		4/08/13	4/08/13	CLP VOA
R4-7156	(m- and/or p-)Xylene	5.4	U	ug/kg dry	5.4	4/08/13	4/08/13	CLP SOM01.2 V
71-55-6	1,1,1-Trichloroethane	5.4	U	ug/kg dry	5.4	4/08/13	4/08/13	CLP SOM01.2 V
79-34-5	1,1,2,2-Tetrachloroethane	5.4	U	ug/kg dry	5.4	4/08/13	4/08/13	CLP SOM01.2 V
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	5.4	U	ug/kg dry	5.4	4/08/13	4/08/13	CLP SOM01.2 V
79-00-5	1,1,2-Trichloroethane	5.4	U	ug/kg dry	5.4	4/08/13	4/08/13	CLP SOM01.2 V
75-34-3	1,1-Dichloroethane	5.4	U	ug/kg dry	5.4	4/08/13	4/08/13	CLP SOM01.2 V
75-35-4	1,1-Dichloroethene (1,1-Dichloroethylene)	5.4	U	ug/kg dry	5.4	4/08/13	4/08/13	CLP SOM01.2 V
87-61-6	1,2,3-Trichlorobenzene	5.4	U	ug/kg dry	5.4	4/08/13	4/08/13	CLP SOM01.2 V
120-82-1	1,2,4-Trichlorobenzene	5.4	U	ug/kg dry	5.4	4/08/13	4/08/13	CLP SOM01.2 V
96-12-8	1,2-Dibromo-3-Chloropropane (DBCP)	5.4	U, J, CLP16	ug/kg dry	5.4	4/08/13	4/08/13	CLP SOM01.2 V
106-93-4	1,2-Dibromoethane (EDB)	5.4	U	ug/kg dry	5.4	4/08/13	4/08/13	CLP SOM01.2 V
95-50-1	1,2-Dichlorobenzene	5.4	U	ug/kg dry	5.4	4/08/13	4/08/13	CLP SOM01.2 V
107-06-2	1,2-Dichloroethane	5.4	U	ug/kg dry	5.4	4/08/13	4/08/13	CLP SOM01.2 V
78-87-5	1,2-Dichloropropane	5.4	U	ug/kg dry	5.4	4/08/13	4/08/13	CLP SOM01.2 V
541-73-1	1,3-Dichlorobenzene	5.4	U	ug/kg dry	5.4	4/08/13	4/08/13	CLP SOM01.2 V
106-46-7	1,4-Dichlorobenzene	5.4	U	ug/kg dry	5.4	4/08/13	4/08/13	CLP SOM01.2 V
123-91-1	1,4-Dioxane	110	U, R, CLP32, CLP17	ug/kg dry	110	4/08/13	4/08/13	CLP SOM01.2 V
67-64-1	Acetone	13		ug/kg dry	11	4/08/13	4/08/13	CLP SOM01.2 V
71-43-2	Benzene	5.4	U	ug/kg dry	5.4	4/08/13	4/08/13	CLP SOM01.2 V
74-97-5	Bromochloromethane	5.4	U	ug/kg dry	5.4	4/08/13	4/08/13	CLP SOM01.2 V
75-27-4	Bromodichloromethane	5.4	U	ug/kg dry	5.4	4/08/13	4/08/13	CLP SOM01.2 V
75-25-2	Bromoform	5.4	U	ug/kg dry	5.4	4/08/13	4/08/13	CLP SOM01.2 V
74-83-9	Bromomethane	5.4	U	ug/kg dry	5.4	4/08/13	4/08/13	CLP SOM01.2 V
75-15-0	Carbon disulfide	5.4	U	ug/kg dry	5.4	4/08/13	4/08/13	CLP SOM01.2 V
56-23-5	Carbon Tetrachloride	5.4	U	ug/kg dry	5.4	4/08/13	4/08/13	CLP SOM01.2 V
108-90-7	Chlorobenzene	5.4	U	ug/kg dry	5.4	4/08/13	4/08/13	CLP SOM01.2 V

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
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D.A.R.T. Id: 13-0295
Project: 13-0306, Greenwood Mills Liner Plt - Reported by Jeffrey Hendel

Volatile Organics

Project: 13-0306, Greenwood Mills Liner Plt **Contract Lab Case: 43419**

Sample ID: GML-006-SD **Lab ID: C131601-14** **MD No:**

Station ID: GML006 **Matrix: Sediment** **D No: 77M1 CHEM**

Date Collected: 4/3/13 11:10

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
75-00-3	Chloroethane	5.4	U	ug/kg dry	5.4	4/08/13	4/08/13	CLP SOM01.2 V
67-66-3	Chloroform	5.4	U	ug/kg dry	5.4	4/08/13	4/08/13	CLP SOM01.2 V
74-87-3	Chloromethane	5.4	U	ug/kg dry	5.4	4/08/13	4/08/13	CLP SOM01.2 V
156-59-2	cis-1,2-Dichloroethene	5.4	U	ug/kg dry	5.4	4/08/13	4/08/13	CLP SOM01.2 V
10061-01-5	cis-1,3-Dichloropropene	5.4	U	ug/kg dry	5.4	4/08/13	4/08/13	CLP SOM01.2 V
110-82-7	Cyclohexane	5.4	U	ug/kg dry	5.4	4/08/13	4/08/13	CLP SOM01.2 V
124-48-1	Dibromochloromethane	5.4	U	ug/kg dry	5.4	4/08/13	4/08/13	CLP SOM01.2 V
75-71-8	Dichlorodifluoromethane (Freon 12)	5.4	U, J, CLP16	ug/kg dry	5.4	4/08/13	4/08/13	CLP SOM01.2 V
100-41-4	Ethyl Benzene	5.4	U	ug/kg dry	5.4	4/08/13	4/08/13	CLP SOM01.2 V
98-82-8	Isopropylbenzene	5.4	U	ug/kg dry	5.4	4/08/13	4/08/13	CLP SOM01.2 V
79-20-9	Methyl Acetate	5.4	U, J, CLP16	ug/kg dry	5.4	4/08/13	4/08/13	CLP SOM01.2 V
591-78-6	Methyl Butyl Ketone	11	U, J, CLP16	ug/kg dry	11	4/08/13	4/08/13	CLP SOM01.2 V
78-93-3	Methyl Ethyl Ketone	11	U, J, CLP16	ug/kg dry	11	4/08/13	4/08/13	CLP SOM01.2 V
108-10-1	Methyl Isobutyl Ketone	11	U, J, CLP16	ug/kg dry	11	4/08/13	4/08/13	CLP SOM01.2 V
1634-04-4	Methyl T-Butyl Ether (MTBE)	5.4	U	ug/kg dry	5.4	4/08/13	4/08/13	CLP SOM01.2 V
108-87-2	Methylcyclohexane	5.4	U	ug/kg dry	5.4	4/08/13	4/08/13	CLP SOM01.2 V
75-09-2	Methylene Chloride	5.4	U, J, CLP16	ug/kg dry	5.4	4/08/13	4/08/13	CLP SOM01.2 V
95-47-6	o-Xylene	5.4	U	ug/kg dry	5.4	4/08/13	4/08/13	CLP SOM01.2 V
100-42-5	Styrene	5.4	U	ug/kg dry	5.4	4/08/13	4/08/13	CLP SOM01.2 V
127-18-4	Tetrachloroethene (Tetrachloroethylene)	5.4	U	ug/kg dry	5.4	4/08/13	4/08/13	CLP SOM01.2 V
108-88-3	Toluene	5.4	U	ug/kg dry	5.4	4/08/13	4/08/13	CLP SOM01.2 V
156-60-5	trans-1,2-Dichloroethene	5.4	U	ug/kg dry	5.4	4/08/13	4/08/13	CLP SOM01.2 V
10061-02-6	trans-1,3-Dichloropropene	5.4	U	ug/kg dry	5.4	4/08/13	4/08/13	CLP SOM01.2 V
79-01-6	Trichloroethene (Trichloroethylene)	5.4	U	ug/kg dry	5.4	4/08/13	4/08/13	CLP SOM01.2 V
75-69-4	Trichlorofluoromethane (Freon 11)	5.4	U	ug/kg dry	5.4	4/08/13	4/08/13	CLP SOM01.2 V
75-01-4	Vinyl chloride	5.4	U	ug/kg dry	5.4	4/08/13	4/08/13	CLP SOM01.2 V
Tentatively Identified Compounds:								
R4-0000	Tentatively Identified Compounds	5	U	ug/kg dry	5	4/08/13	4/08/13	CLP SOM01.2 V

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D.A.R.T. Id: 13-0295
Project: 13-0306, Greenwood Mills Liner Plt - Reported by Jeffrey Hendel

Volatile Organics

Project: 13-0306, Greenwood Mills Liner Plt **Contract Lab Case: 43419**

Sample ID: GML-006-SW **Lab ID: C131601-15** **MD No:**

Station ID: GML006 **Matrix: Surface Water** **D No: 77N9 CHEM**

Date Collected: 4/3/13 11:05

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
R4-7156	(m- and/or p-)Xylene	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
71-55-6	1,1,1-Trichloroethane	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
79-00-5	1,1,2-Trichloroethane	5.0	U, J, QS-3	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
75-34-3	1,1-Dichloroethane	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
75-35-4	1,1-Dichloroethene (1,1-Dichloroethylene)	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
87-61-6	1,2,3-Trichlorobenzene	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
120-82-1	1,2,4-Trichlorobenzene	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
96-12-8	1,2-Dibromo-3-Chloropropane (DBCP)	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
106-93-4	1,2-Dibromoethane (EDB)	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
95-50-1	1,2-Dichlorobenzene	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
107-06-2	1,2-Dichloroethane	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
78-87-5	1,2-Dichloropropane	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
541-73-1	1,3-Dichlorobenzene	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
106-46-7	1,4-Dichlorobenzene	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
123-91-1	1,4-Dioxane	100	U, R, CLP32, CLP17	ug/L	100	4/08/13	4/08/13	CLP SOM01.2 V
67-64-1	Acetone	10	U	ug/L	10	4/08/13	4/08/13	CLP SOM01.2 V
71-43-2	Benzene	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
74-97-5	Bromochloromethane	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
75-27-4	Bromodichloromethane	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
75-25-2	Bromoform	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
74-83-9	Bromomethane	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
75-15-0	Carbon disulfide	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
56-23-5	Carbon Tetrachloride	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
108-90-7	Chlorobenzene	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
75-00-3	Chloroethane	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0306, Greenwood Mills Liner Plt - Reported by Jeffrey Hendel

Volatile Organics

Project: 13-0306, Greenwood Mills Liner Plt **Contract Lab Case: 43419**

Sample ID: GML-006-SW **Lab ID: C131601-15** **MD No:**

Station ID: GML006 **Matrix: Surface Water** **D No: 77N9 CHEM**

Date Collected: 4/3/13 11:05

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
67-66-3	Chloroform	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
74-87-3	Chloromethane	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
156-59-2	cis-1,2-Dichloroethene	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
10061-01-5	cis-1,3-Dichloropropene	5.0	U, J, QS-3	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
110-82-7	Cyclohexane	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
124-48-1	Dibromochloromethane	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
75-71-8	Dichlorodifluoromethane (Freon 12)	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
100-41-4	Ethyl Benzene	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
98-82-8	Isopropylbenzene	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
79-20-9	Methyl Acetate	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
591-78-6	Methyl Butyl Ketone	10	U	ug/L	10	4/08/13	4/08/13	CLP SOM01.2 V
78-93-3	Methyl Ethyl Ketone	10	U	ug/L	10	4/08/13	4/08/13	CLP SOM01.2 V
108-10-1	Methyl Isobutyl Ketone	10	U	ug/L	10	4/08/13	4/08/13	CLP SOM01.2 V
1634-04-4	Methyl T-Butyl Ether (MTBE)	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
108-87-2	Methylcyclohexane	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
75-09-2	Methylene Chloride	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
95-47-6	o-Xylene	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
100-42-5	Styrene	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
127-18-4	Tetrachloroethene (Tetrachloroethylene)	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
108-88-3	Toluene	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
156-60-5	trans-1,2-Dichloroethene	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
10061-02-6	trans-1,3-Dichloropropene	5.0	U, J, QS-3	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
79-01-6	Trichloroethene (Trichloroethylene)	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
75-69-4	Trichlorofluoromethane (Freon 11)	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
75-01-4	Vinyl chloride	5.0	U	ug/L	5.0	4/08/13	4/08/13	CLP SOM01.2 V
Tentatively Identified Compounds:								
R4-0000	Tentatively Identified Compounds	5	U	ug/L	5	4/08/13	4/08/13	CLP SOM01.2 V

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
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D.A.R.T. Id: 13-0295
Project: 13-0306, Greenwood Mills Liner Plt - Reported by Jeffrey Hendel

Volatile Organics

Project: 13-0306, Greenwood Mills Liner Plt **Contract Lab Case: 43419**

Sample ID: GML-007-SD **Lab ID: C131601-16** **MD No:**

Station ID: GML007 **Matrix: Sediment** **D No: 77M2 CHEM**

Date Collected: 4/3/13 11:26

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1644012	% Moisture	16		%		4/08/13	4/08/13	CLP VOA
R4-7156	(m- and/or p-)Xylene	2.0	U	ug/kg dry	2.0	4/08/13	4/08/13	CLP SOM01.2 V
71-55-6	1,1,1-Trichloroethane	2.0	U	ug/kg dry	2.0	4/08/13	4/08/13	CLP SOM01.2 V
79-34-5	1,1,2,2-Tetrachloroethane	2.0	U	ug/kg dry	2.0	4/08/13	4/08/13	CLP SOM01.2 V
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	2.0	U	ug/kg dry	2.0	4/08/13	4/08/13	CLP SOM01.2 V
79-00-5	1,1,2-Trichloroethane	2.0	U	ug/kg dry	2.0	4/08/13	4/08/13	CLP SOM01.2 V
75-34-3	1,1-Dichloroethane	2.0	U	ug/kg dry	2.0	4/08/13	4/08/13	CLP SOM01.2 V
75-35-4	1,1-Dichloroethene (1,1-Dichloroethylene)	2.0	U	ug/kg dry	2.0	4/08/13	4/08/13	CLP SOM01.2 V
87-61-6	1,2,3-Trichlorobenzene	2.0	U, J, QI-1	ug/kg dry	2.0	4/08/13	4/08/13	CLP SOM01.2 V
120-82-1	1,2,4-Trichlorobenzene	2.0	U, J, QI-1	ug/kg dry	2.0	4/08/13	4/08/13	CLP SOM01.2 V
96-12-8	1,2-Dibromo-3-Chloropropane (DBCP)	2.0	U, J, QI-1, CLP16	ug/kg dry	2.0	4/08/13	4/08/13	CLP SOM01.2 V
106-93-4	1,2-Dibromoethane (EDB)	2.0	U	ug/kg dry	2.0	4/08/13	4/08/13	CLP SOM01.2 V
95-50-1	1,2-Dichlorobenzene	2.0	U, J, QI-1	ug/kg dry	2.0	4/08/13	4/08/13	CLP SOM01.2 V
107-06-2	1,2-Dichloroethane	2.0	U	ug/kg dry	2.0	4/08/13	4/08/13	CLP SOM01.2 V
78-87-5	1,2-Dichloropropane	2.0	U	ug/kg dry	2.0	4/08/13	4/08/13	CLP SOM01.2 V
541-73-1	1,3-Dichlorobenzene	2.0	U, J, QI-1	ug/kg dry	2.0	4/08/13	4/08/13	CLP SOM01.2 V
106-46-7	1,4-Dichlorobenzene	2.0	U, J, QI-1	ug/kg dry	2.0	4/08/13	4/08/13	CLP SOM01.2 V
123-91-1	1,4-Dioxane	40	U, R, CLP32, CLP17	ug/kg dry	40	4/08/13	4/08/13	CLP SOM01.2 V
67-64-1	Acetone	6.1		ug/kg dry	4.0	4/08/13	4/08/13	CLP SOM01.2 V
71-43-2	Benzene	2.0	U	ug/kg dry	2.0	4/08/13	4/08/13	CLP SOM01.2 V
74-97-5	Bromochloromethane	2.0	U	ug/kg dry	2.0	4/08/13	4/08/13	CLP SOM01.2 V
75-27-4	Bromodichloromethane	2.0	U	ug/kg dry	2.0	4/08/13	4/08/13	CLP SOM01.2 V
75-25-2	Bromoform	2.0	U, J, QI-1	ug/kg dry	2.0	4/08/13	4/08/13	CLP SOM01.2 V
74-83-9	Bromomethane	2.0	U	ug/kg dry	2.0	4/08/13	4/08/13	CLP SOM01.2 V
75-15-0	Carbon disulfide	2.0	U	ug/kg dry	2.0	4/08/13	4/08/13	CLP SOM01.2 V
56-23-5	Carbon Tetrachloride	2.0	U	ug/kg dry	2.0	4/08/13	4/08/13	CLP SOM01.2 V

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
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D.A.R.T. Id: 13-0295
Project: 13-0306, Greenwood Mills Liner Plt - Reported by Jeffrey Hendel

Volatile Organics

Project: 13-0306, Greenwood Mills Liner Plt **Contract Lab Case: 43419**

Sample ID: GML-007-SD **Lab ID: C131601-16** **MD No:**

Station ID: GML007 **Matrix: Sediment** **D No: 77M2 CHEM**

Date Collected: 4/3/13 11:26

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
108-90-7	Chlorobenzene	2.0	U	ug/kg dry	2.0	4/08/13	4/08/13	CLP SOM01.2 V
75-00-3	Chloroethane	2.0	U	ug/kg dry	2.0	4/08/13	4/08/13	CLP SOM01.2 V
67-66-3	Chloroform	2.0	U	ug/kg dry	2.0	4/08/13	4/08/13	CLP SOM01.2 V
74-87-3	Chloromethane	2.0	U	ug/kg dry	2.0	4/08/13	4/08/13	CLP SOM01.2 V
156-59-2	cis-1,2-Dichloroethene	2.0	U	ug/kg dry	2.0	4/08/13	4/08/13	CLP SOM01.2 V
10061-01-5	cis-1,3-Dichloropropene	2.0	U	ug/kg dry	2.0	4/08/13	4/08/13	CLP SOM01.2 V
110-82-7	Cyclohexane	2.0	U	ug/kg dry	2.0	4/08/13	4/08/13	CLP SOM01.2 V
124-48-1	Dibromochloromethane	2.0	U	ug/kg dry	2.0	4/08/13	4/08/13	CLP SOM01.2 V
75-71-8	Dichlorodifluoromethane (Freon 12)	2.0	U, J, CLP16	ug/kg dry	2.0	4/08/13	4/08/13	CLP SOM01.2 V
100-41-4	Ethyl Benzene	2.0	U	ug/kg dry	2.0	4/08/13	4/08/13	CLP SOM01.2 V
98-82-8	Isopropylbenzene	2.0	U	ug/kg dry	2.0	4/08/13	4/08/13	CLP SOM01.2 V
79-20-9	Methyl Acetate	2.0	U, J, CLP16	ug/kg dry	2.0	4/08/13	4/08/13	CLP SOM01.2 V
591-78-6	Methyl Butyl Ketone	4.0	U, J, CLP16	ug/kg dry	4.0	4/08/13	4/08/13	CLP SOM01.2 V
78-93-3	Methyl Ethyl Ketone	4.0	U, J, CLP16	ug/kg dry	4.0	4/08/13	4/08/13	CLP SOM01.2 V
108-10-1	Methyl Isobutyl Ketone	4.0	U, J, CLP16	ug/kg dry	4.0	4/08/13	4/08/13	CLP SOM01.2 V
1634-04-4	Methyl T-Butyl Ether (MTBE)	2.0	U	ug/kg dry	2.0	4/08/13	4/08/13	CLP SOM01.2 V
108-87-2	Methylcyclohexane	2.0	U	ug/kg dry	2.0	4/08/13	4/08/13	CLP SOM01.2 V
75-09-2	Methylene Chloride	2.0	U, J, CLP16	ug/kg dry	2.0	4/08/13	4/08/13	CLP SOM01.2 V
95-47-6	o-Xylene	2.0	U	ug/kg dry	2.0	4/08/13	4/08/13	CLP SOM01.2 V
100-42-5	Styrene	2.0	U	ug/kg dry	2.0	4/08/13	4/08/13	CLP SOM01.2 V
127-18-4	Tetrachloroethene (Tetrachloroethylene)	2.0	U	ug/kg dry	2.0	4/08/13	4/08/13	CLP SOM01.2 V
108-88-3	Toluene	1.3	J, CLP01	ug/kg dry	2.0	4/08/13	4/08/13	CLP SOM01.2 V
156-60-5	trans-1,2-Dichloroethene	2.0	U	ug/kg dry	2.0	4/08/13	4/08/13	CLP SOM01.2 V
10061-02-6	trans-1,3-Dichloropropene	2.0	U	ug/kg dry	2.0	4/08/13	4/08/13	CLP SOM01.2 V
79-01-6	Trichloroethene (Trichloroethylene)	2.0	U	ug/kg dry	2.0	4/08/13	4/08/13	CLP SOM01.2 V
75-69-4	Trichlorofluoromethane (Freon 11)	2.0	U	ug/kg dry	2.0	4/08/13	4/08/13	CLP SOM01.2 V
75-01-4	Vinyl chloride	2.0	U	ug/kg dry	2.0	4/08/13	4/08/13	CLP SOM01.2 V

Tentatively Identified Compounds:

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
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D.A.R.T. Id: 13-0295
Project: 13-0306, Greenwood Mills Liner Plt - Reported by Jeffrey Hendel

Volatile Organics

Project: 13-0306, Greenwood Mills Liner Plt **Contract Lab Case: 43419**

Sample ID: GML-007-SD **Lab ID: C131601-16** **MD No:**

Station ID: GML007 **Matrix: Sediment** **D No: 77M2 CHEM**

Date Collected: 4/3/13 11:26

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
Tentatively Identified Compounds:								
R4-0000	Tentatively Identified Compounds	2	U	ug/kg dry	2	4/08/13	4/08/13	CLP SOM01.2 V

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
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Project: 13-0306, Greenwood Mills Liner Plt - Reported by Jeffrey Hendel

Volatile Organics

Project: 13-0306, Greenwood Mills Liner Plt **Contract Lab Case: 43419**

Sample ID: GML-007-SW **Lab ID: C131601-17** **MD No:**

Station ID: GML007 **Matrix: Surface Water** **D No: 77P0 CHEM**

Date Collected: 4/3/13 11:21

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
R4-7156	(m- and/or p-)Xylene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
71-55-6	1,1,1-Trichloroethane	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
79-00-5	1,1,2-Trichloroethane	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
75-34-3	1,1-Dichloroethane	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
75-35-4	1,1-Dichloroethene (1,1-Dichloroethylene)	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
87-61-6	1,2,3-Trichlorobenzene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
120-82-1	1,2,4-Trichlorobenzene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
96-12-8	1,2-Dibromo-3-Chloropropane (DBCP)	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
106-93-4	1,2-Dibromoethane (EDB)	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
95-50-1	1,2-Dichlorobenzene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
107-06-2	1,2-Dichloroethane	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
78-87-5	1,2-Dichloropropane	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
541-73-1	1,3-Dichlorobenzene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
106-46-7	1,4-Dichlorobenzene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
123-91-1	1,4-Dioxane	100	U, R, CLP32, CLP17	ug/L	100	4/09/13	4/09/13	CLP SOM01.2 V
67-64-1	Acetone	10	U, J, QC-1	ug/L	10	4/09/13	4/09/13	CLP SOM01.2 V
71-43-2	Benzene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
74-97-5	Bromochloromethane	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
75-27-4	Bromodichloromethane	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
75-25-2	Bromoform	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
74-83-9	Bromomethane	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
75-15-0	Carbon disulfide	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
56-23-5	Carbon Tetrachloride	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
108-90-7	Chlorobenzene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
75-00-3	Chloroethane	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V

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D.A.R.T. Id: 13-0295
Project: 13-0306, Greenwood Mills Liner Plt - Reported by Jeffrey Hendel

Volatile Organics

Project: 13-0306, Greenwood Mills Liner Plt **Contract Lab Case: 43419**

Sample ID: GML-007-SW **Lab ID:** C131601-17 **MD No:**
Station ID: GML007 **Matrix:** Surface Water **D No:** 77P0 CHEM

Date Collected: 4/3/13 11:21

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
67-66-3	Chloroform	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
74-87-3	Chloromethane	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
156-59-2	cis-1,2-Dichloroethene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
10061-01-5	cis-1,3-Dichloropropene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
110-82-7	Cyclohexane	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
124-48-1	Dibromochloromethane	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
75-71-8	Dichlorodifluoromethane (Freon 12)	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
100-41-4	Ethyl Benzene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
98-82-8	Isopropylbenzene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
79-20-9	Methyl Acetate	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
591-78-6	Methyl Butyl Ketone	10	U	ug/L	10	4/09/13	4/09/13	CLP SOM01.2 V
78-93-3	Methyl Ethyl Ketone	10	U	ug/L	10	4/09/13	4/09/13	CLP SOM01.2 V
108-10-1	Methyl Isobutyl Ketone	10	U	ug/L	10	4/09/13	4/09/13	CLP SOM01.2 V
1634-04-4	Methyl T-Butyl Ether (MTBE)	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
108-87-2	Methylcyclohexane	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
75-09-2	Methylene Chloride	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
95-47-6	o-Xylene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
100-42-5	Styrene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
127-18-4	Tetrachloroethene (Tetrachloroethylene)	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
108-88-3	Toluene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
156-60-5	trans-1,2-Dichloroethene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
10061-02-6	trans-1,3-Dichloropropene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
79-01-6	Trichloroethene (Trichloroethylene)	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
75-69-4	Trichlorofluoromethane (Freon 11)	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
75-01-4	Vinyl chloride	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
Tentatively Identified Compounds:								
R4-0000	Tentatively Identified Compounds	5	U	ug/L	5	4/09/13	4/09/13	CLP SOM01.2 V

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0306, Greenwood Mills Liner Plt - Reported by Jeffrey Hendel

Volatile Organics

Project: 13-0306, Greenwood Mills Liner Plt **Contract Lab Case: 43419**

Sample ID: GML-008-SF **Lab ID: C131601-18** **MD No:**

Station ID: GML008 **Matrix: Subsurface Soil** **D No: 77M3 CHEM**

Date Collected: 4/3/13 12:30

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1644012	% Moisture	10		%		4/09/13	4/09/13	CLP VOA
R4-7156	(m- and/or p-)Xylene	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
71-55-6	1,1,1-Trichloroethane	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
79-34-5	1,1,2,2-Tetrachloroethane	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
79-00-5	1,1,2-Trichloroethane	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
75-34-3	1,1-Dichloroethane	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
75-35-4	1,1-Dichloroethene (1,1-Dichloroethylene)	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
87-61-6	1,2,3-Trichlorobenzene	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
120-82-1	1,2,4-Trichlorobenzene	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
96-12-8	1,2-Dibromo-3-Chloropropane (DBCP)	2.3	U, J, CLP16	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
106-93-4	1,2-Dibromoethane (EDB)	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
95-50-1	1,2-Dichlorobenzene	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
107-06-2	1,2-Dichloroethane	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
78-87-5	1,2-Dichloropropane	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
541-73-1	1,3-Dichlorobenzene	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
106-46-7	1,4-Dichlorobenzene	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
123-91-1	1,4-Dioxane	45	U, R, CLP17, CLP32	ug/kg dry	45	4/09/13	4/09/13	CLP SOM01.2 V
67-64-1	Acetone	4.5	U	ug/kg dry	4.5	4/09/13	4/09/13	CLP SOM01.2 V
71-43-2	Benzene	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
74-97-5	Bromochloromethane	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
75-27-4	Bromodichloromethane	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
75-25-2	Bromoform	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
74-83-9	Bromomethane	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
75-15-0	Carbon disulfide	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
56-23-5	Carbon Tetrachloride	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
108-90-7	Chlorobenzene	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V

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D.A.R.T. Id: 13-0295
Project: 13-0306, Greenwood Mills Liner Plt - Reported by Jeffrey Hendel

Volatile Organics

Project: 13-0306, Greenwood Mills Liner Plt **Contract Lab Case: 43419**

Sample ID: GML-008-SF **Lab ID: C131601-18** **MD No:**

Station ID: GML008 **Matrix: Subsurface Soil** **D No: 77M3 CHEM**

Date Collected: 4/3/13 12:30

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
75-00-3	Chloroethane	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
67-66-3	Chloroform	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
74-87-3	Chloromethane	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
156-59-2	cis-1,2-Dichloroethene	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
10061-01-5	cis-1,3-Dichloropropene	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
110-82-7	Cyclohexane	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
124-48-1	Dibromochloromethane	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
75-71-8	Dichlorodifluoromethane (Freon 12)	2.3	U, J, CLP16	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
100-41-4	Ethyl Benzene	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
98-82-8	Isopropylbenzene	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
79-20-9	Methyl Acetate	2.3	U, J, CLP16	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
591-78-6	Methyl Butyl Ketone	4.5	U, J, CLP16	ug/kg dry	4.5	4/09/13	4/09/13	CLP SOM01.2 V
78-93-3	Methyl Ethyl Ketone	4.5	U, J, CLP16	ug/kg dry	4.5	4/09/13	4/09/13	CLP SOM01.2 V
108-10-1	Methyl Isobutyl Ketone	4.5	U, J, CLP16	ug/kg dry	4.5	4/09/13	4/09/13	CLP SOM01.2 V
1634-04-4	Methyl T-Butyl Ether (MTBE)	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
108-87-2	Methylcyclohexane	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
75-09-2	Methylene Chloride	2.3	U, J, CLP16	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
95-47-6	o-Xylene	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
100-42-5	Styrene	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
127-18-4	Tetrachloroethene (Tetrachloroethylene)	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
108-88-3	Toluene	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
156-60-5	trans-1,2-Dichloroethene	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
10061-02-6	trans-1,3-Dichloropropene	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
79-01-6	Trichloroethene (Trichloroethylene)	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
75-69-4	Trichlorofluoromethane (Freon 11)	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
75-01-4	Vinyl chloride	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
Tentatively Identified Compounds:								
R4-0000	Tentatively Identified Compounds	2	U	ug/kg dry	2	4/09/13	4/09/13	CLP SOM01.2 V

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
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980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0306, Greenwood Mills Liner Plt - Reported by Jeffrey Hendel

Volatile Organics

Project: 13-0306, Greenwood Mills Liner Plt **Contract Lab Case: 43419**

Sample ID: GML-009-SF **Lab ID: C131601-19** **MD No:**

Station ID: GML009 **Matrix: Subsurface Soil** **D No: 77M4 CHEM**

Date Collected: 4/3/13 11:34

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1644012	% Moisture	52		%		4/09/13	4/09/13	CLP VOA
R4-7156	(m- and/or p-)Xylene	6.0	U	ug/kg dry	6.0	4/09/13	4/09/13	CLP SOM01.2 V
71-55-6	1,1,1-Trichloroethane	6.0	U	ug/kg dry	6.0	4/09/13	4/09/13	CLP SOM01.2 V
79-34-5	1,1,2,2-Tetrachloroethane	6.0	U	ug/kg dry	6.0	4/09/13	4/09/13	CLP SOM01.2 V
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	6.0	U	ug/kg dry	6.0	4/09/13	4/09/13	CLP SOM01.2 V
79-00-5	1,1,2-Trichloroethane	6.0	U	ug/kg dry	6.0	4/09/13	4/09/13	CLP SOM01.2 V
75-34-3	1,1-Dichloroethane	6.0	U	ug/kg dry	6.0	4/09/13	4/09/13	CLP SOM01.2 V
75-35-4	1,1-Dichloroethene (1,1-Dichloroethylene)	6.0	U	ug/kg dry	6.0	4/09/13	4/09/13	CLP SOM01.2 V
87-61-6	1,2,3-Trichlorobenzene	6.0	U, J, QI-1	ug/kg dry	6.0	4/09/13	4/09/13	CLP SOM01.2 V
120-82-1	1,2,4-Trichlorobenzene	6.0	U, J, QI-1	ug/kg dry	6.0	4/09/13	4/09/13	CLP SOM01.2 V
96-12-8	1,2-Dibromo-3-Chloropropane (DBCP)	6.0	U, J, QI-1	ug/kg dry	6.0	4/09/13	4/09/13	CLP SOM01.2 V
106-93-4	1,2-Dibromoethane (EDB)	6.0	U	ug/kg dry	6.0	4/09/13	4/09/13	CLP SOM01.2 V
95-50-1	1,2-Dichlorobenzene	6.0	U, J, QI-1	ug/kg dry	6.0	4/09/13	4/09/13	CLP SOM01.2 V
107-06-2	1,2-Dichloroethane	6.0	U	ug/kg dry	6.0	4/09/13	4/09/13	CLP SOM01.2 V
78-87-5	1,2-Dichloropropane	6.0	U	ug/kg dry	6.0	4/09/13	4/09/13	CLP SOM01.2 V
541-73-1	1,3-Dichlorobenzene	6.0	U, J, QI-1	ug/kg dry	6.0	4/09/13	4/09/13	CLP SOM01.2 V
106-46-7	1,4-Dichlorobenzene	6.0	U, J, QI-1	ug/kg dry	6.0	4/09/13	4/09/13	CLP SOM01.2 V
123-91-1	1,4-Dioxane	120	U, R, CLP17, CLP32	ug/kg dry	120	4/09/13	4/09/13	CLP SOM01.2 V
67-64-1	Acetone	12	U, J, CLP16	ug/kg dry	12	4/09/13	4/09/13	CLP SOM01.2 V
71-43-2	Benzene	6.0	U	ug/kg dry	6.0	4/09/13	4/09/13	CLP SOM01.2 V
74-97-5	Bromochloromethane	6.0	U	ug/kg dry	6.0	4/09/13	4/09/13	CLP SOM01.2 V
75-27-4	Bromodichloromethane	6.0	U	ug/kg dry	6.0	4/09/13	4/09/13	CLP SOM01.2 V
75-25-2	Bromoform	6.0	U, J, QI-1	ug/kg dry	6.0	4/09/13	4/09/13	CLP SOM01.2 V
74-83-9	Bromomethane	6.0	U	ug/kg dry	6.0	4/09/13	4/09/13	CLP SOM01.2 V
75-15-0	Carbon disulfide	6.0	U	ug/kg dry	6.0	4/09/13	4/09/13	CLP SOM01.2 V
56-23-5	Carbon Tetrachloride	6.0	U	ug/kg dry	6.0	4/09/13	4/09/13	CLP SOM01.2 V
108-90-7	Chlorobenzene	6.0	U	ug/kg dry	6.0	4/09/13	4/09/13	CLP SOM01.2 V

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D.A.R.T. Id: 13-0295
Project: 13-0306, Greenwood Mills Liner Plt - Reported by Jeffrey Hendel

Volatile Organics

Project: 13-0306, Greenwood Mills Liner Plt **Contract Lab Case: 43419**

Sample ID: GML-009-SF **Lab ID: C131601-19** **MD No:**

Station ID: GML009 **Matrix: Subsurface Soil** **D No: 77M4 CHEM**

Date Collected: 4/3/13 11:34

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
75-00-3	Chloroethane	6.0	U	ug/kg dry	6.0	4/09/13	4/09/13	CLP SOM01.2 V
67-66-3	Chloroform	6.0	U	ug/kg dry	6.0	4/09/13	4/09/13	CLP SOM01.2 V
74-87-3	Chloromethane	6.0	U	ug/kg dry	6.0	4/09/13	4/09/13	CLP SOM01.2 V
156-59-2	cis-1,2-Dichloroethene	6.0	U	ug/kg dry	6.0	4/09/13	4/09/13	CLP SOM01.2 V
10061-01-5	cis-1,3-Dichloropropene	6.0	U	ug/kg dry	6.0	4/09/13	4/09/13	CLP SOM01.2 V
110-82-7	Cyclohexane	6.0	U	ug/kg dry	6.0	4/09/13	4/09/13	CLP SOM01.2 V
124-48-1	Dibromochloromethane	6.0	U	ug/kg dry	6.0	4/09/13	4/09/13	CLP SOM01.2 V
75-71-8	Dichlorodifluoromethane (Freon 12)	6.0	U	ug/kg dry	6.0	4/09/13	4/09/13	CLP SOM01.2 V
100-41-4	Ethyl Benzene	6.0	U	ug/kg dry	6.0	4/09/13	4/09/13	CLP SOM01.2 V
98-82-8	Isopropylbenzene	6.0	U	ug/kg dry	6.0	4/09/13	4/09/13	CLP SOM01.2 V
79-20-9	Methyl Acetate	6.0	U	ug/kg dry	6.0	4/09/13	4/09/13	CLP SOM01.2 V
591-78-6	Methyl Butyl Ketone	12	U	ug/kg dry	12	4/09/13	4/09/13	CLP SOM01.2 V
78-93-3	Methyl Ethyl Ketone	12	U, J, CLP16	ug/kg dry	12	4/09/13	4/09/13	CLP SOM01.2 V
108-10-1	Methyl Isobutyl Ketone	12	U	ug/kg dry	12	4/09/13	4/09/13	CLP SOM01.2 V
1634-04-4	Methyl T-Butyl Ether (MTBE)	6.0	U	ug/kg dry	6.0	4/09/13	4/09/13	CLP SOM01.2 V
108-87-2	Methylcyclohexane	6.0	U	ug/kg dry	6.0	4/09/13	4/09/13	CLP SOM01.2 V
75-09-2	Methylene Chloride	6.0	U, J, CLP16	ug/kg dry	6.0	4/09/13	4/09/13	CLP SOM01.2 V
95-47-6	o-Xylene	6.0	U	ug/kg dry	6.0	4/09/13	4/09/13	CLP SOM01.2 V
100-42-5	Styrene	6.0	U	ug/kg dry	6.0	4/09/13	4/09/13	CLP SOM01.2 V
127-18-4	Tetrachloroethene (Tetrachloroethylene)	6.0	U	ug/kg dry	6.0	4/09/13	4/09/13	CLP SOM01.2 V
108-88-3	Toluene	6.0	U	ug/kg dry	6.0	4/09/13	4/09/13	CLP SOM01.2 V
156-60-5	trans-1,2-Dichloroethene	6.0	U	ug/kg dry	6.0	4/09/13	4/09/13	CLP SOM01.2 V
10061-02-6	trans-1,3-Dichloropropene	6.0	U	ug/kg dry	6.0	4/09/13	4/09/13	CLP SOM01.2 V
79-01-6	Trichloroethene (Trichloroethylene)	6.0	U	ug/kg dry	6.0	4/09/13	4/09/13	CLP SOM01.2 V
75-69-4	Trichlorofluoromethane (Freon 11)	6.0	U	ug/kg dry	6.0	4/09/13	4/09/13	CLP SOM01.2 V
75-01-4	Vinyl chloride	6.0	U	ug/kg dry	6.0	4/09/13	4/09/13	CLP SOM01.2 V
Tentatively Identified Compounds:								
R4-0000	Tentatively Identified Compounds	6	U	ug/kg dry	6	4/09/13	4/09/13	CLP SOM01.2 V

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
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D.A.R.T. Id: 13-0295
Project: 13-0306, Greenwood Mills Liner Plt - Reported by Jeffrey Hendel

Volatile Organics

Project: 13-0306, Greenwood Mills Liner Plt **Contract Lab Case: 43419**

Sample ID: GML-010-SF **Lab ID: C131601-20** **MD No:**

Station ID: GML010 **Matrix: Subsurface Soil** **D No: 77M5 CHEM**

Date Collected: 4/3/13 11:45

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1644012	% Moisture	12		%		4/09/13	4/09/13	CLP VOA
R4-7156	(m- and/or p-)Xylene	3.4	U, J, QI-1	ug/kg dry	3.4	4/09/13	4/09/13	CLP SOM01.2 V
71-55-6	1,1,1-Trichloroethane	3.4	U, J, QI-1	ug/kg dry	3.4	4/09/13	4/09/13	CLP SOM01.2 V
79-34-5	1,1,2,2-Tetrachloroethane	3.4	U, J, QI-1	ug/kg dry	3.4	4/09/13	4/09/13	CLP SOM01.2 V
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	3.4	U, J, QI-1	ug/kg dry	3.4	4/09/13	4/09/13	CLP SOM01.2 V
79-00-5	1,1,2-Trichloroethane	3.4	U, J, QI-1	ug/kg dry	3.4	4/09/13	4/09/13	CLP SOM01.2 V
75-34-3	1,1-Dichloroethane	3.4	U, J, QI-1	ug/kg dry	3.4	4/09/13	4/09/13	CLP SOM01.2 V
75-35-4	1,1-Dichloroethene (1,1-Dichloroethylene)	3.4	U, J, QI-1	ug/kg dry	3.4	4/09/13	4/09/13	CLP SOM01.2 V
87-61-6	1,2,3-Trichlorobenzene	4.6	J, QI-1	ug/kg dry	3.4	4/09/13	4/09/13	CLP SOM01.2 V
120-82-1	1,2,4-Trichlorobenzene	3.4	U, R, QI-1	ug/kg dry	3.4	4/09/13	4/09/13	CLP SOM01.2 V
96-12-8	1,2-Dibromo-3-Chloropropane (DBCP)	3.4	U, R, QI-1	ug/kg dry	3.4	4/09/13	4/09/13	CLP SOM01.2 V
106-93-4	1,2-Dibromoethane (EDB)	3.4	U, J, QI-1	ug/kg dry	3.4	4/09/13	4/09/13	CLP SOM01.2 V
95-50-1	1,2-Dichlorobenzene	3.4	U, R, QI-1	ug/kg dry	3.4	4/09/13	4/09/13	CLP SOM01.2 V
107-06-2	1,2-Dichloroethane	3.4	U, J, QI-1	ug/kg dry	3.4	4/09/13	4/09/13	CLP SOM01.2 V
78-87-5	1,2-Dichloropropane	3.4	U, J, QI-1	ug/kg dry	3.4	4/09/13	4/09/13	CLP SOM01.2 V
541-73-1	1,3-Dichlorobenzene	3.4	U, R, QI-1	ug/kg dry	3.4	4/09/13	4/09/13	CLP SOM01.2 V
106-46-7	1,4-Dichlorobenzene	3.4	U, R, QI-1	ug/kg dry	3.4	4/09/13	4/09/13	CLP SOM01.2 V
123-91-1	1,4-Dioxane	67	U, R, QI-1, CLP32, CLP17	ug/kg dry	67	4/09/13	4/09/13	CLP SOM01.2 V
67-64-1	Acetone	6.7	U, J, QI-1, CLP16	ug/kg dry	6.7	4/09/13	4/09/13	CLP SOM01.2 V
71-43-2	Benzene	3.4	U, J, QI-1	ug/kg dry	3.4	4/09/13	4/09/13	CLP SOM01.2 V
74-97-5	Bromochloromethane	3.4	U, J, QI-1	ug/kg dry	3.4	4/09/13	4/09/13	CLP SOM01.2 V
75-27-4	Bromodichloromethane	3.4	U, J, QI-1	ug/kg dry	3.4	4/09/13	4/09/13	CLP SOM01.2 V
75-25-2	Bromoform	3.4	U, R, QI-1	ug/kg dry	3.4	4/09/13	4/09/13	CLP SOM01.2 V
74-83-9	Bromomethane	3.4	U, J, QI-1	ug/kg dry	3.4	4/09/13	4/09/13	CLP SOM01.2 V
75-15-0	Carbon disulfide	3.4	U, J, QI-1	ug/kg dry	3.4	4/09/13	4/09/13	CLP SOM01.2 V
56-23-5	Carbon Tetrachloride	3.4	U, J, QI-1	ug/kg dry	3.4	4/09/13	4/09/13	CLP SOM01.2 V

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Region 4 Science and Ecosystem Support Division
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D.A.R.T. Id: 13-0295
Project: 13-0306, Greenwood Mills Liner Plt - Reported by Jeffrey Hendel

Volatile Organics

Project: 13-0306, Greenwood Mills Liner Plt **Contract Lab Case: 43419**

Sample ID: GML-010-SF **Lab ID: C131601-20** **MD No:**

Station ID: GML010 **Matrix: Subsurface Soil** **D No: 77M5 CHEM**

Date Collected: 4/3/13 11:45

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
108-90-7	Chlorobenzene	3.4	U, J, QI-1	ug/kg dry	3.4	4/09/13	4/09/13	CLP SOM01.2 V
75-00-3	Chloroethane	3.4	U, J, QI-1	ug/kg dry	3.4	4/09/13	4/09/13	CLP SOM01.2 V
67-66-3	Chloroform	3.4	U, J, QI-1	ug/kg dry	3.4	4/09/13	4/09/13	CLP SOM01.2 V
74-87-3	Chloromethane	3.4	U, J, QI-1	ug/kg dry	3.4	4/09/13	4/09/13	CLP SOM01.2 V
156-59-2	cis-1,2-Dichloroethene	3.4	U, J, QI-1	ug/kg dry	3.4	4/09/13	4/09/13	CLP SOM01.2 V
10061-01-5	cis-1,3-Dichloropropene	3.4	U, J, QI-1	ug/kg dry	3.4	4/09/13	4/09/13	CLP SOM01.2 V
110-82-7	Cyclohexane	3.4	U, J, QI-1	ug/kg dry	3.4	4/09/13	4/09/13	CLP SOM01.2 V
124-48-1	Dibromochloromethane	3.4	U, J, QI-1	ug/kg dry	3.4	4/09/13	4/09/13	CLP SOM01.2 V
75-71-8	Dichlorodifluoromethane (Freon 12)	3.4	U, J, QI-1	ug/kg dry	3.4	4/09/13	4/09/13	CLP SOM01.2 V
100-41-4	Ethyl Benzene	3.4	U, J, QI-1	ug/kg dry	3.4	4/09/13	4/09/13	CLP SOM01.2 V
98-82-8	Isopropylbenzene	3.4	U, J, QI-1	ug/kg dry	3.4	4/09/13	4/09/13	CLP SOM01.2 V
79-20-9	Methyl Acetate	3.4	U, J, QI-1	ug/kg dry	3.4	4/09/13	4/09/13	CLP SOM01.2 V
591-78-6	Methyl Butyl Ketone	6.7	U, J, QI-1	ug/kg dry	6.7	4/09/13	4/09/13	CLP SOM01.2 V
78-93-3	Methyl Ethyl Ketone	6.7	U, J, QI-1, CLP16	ug/kg dry	6.7	4/09/13	4/09/13	CLP SOM01.2 V
108-10-1	Methyl Isobutyl Ketone	6.7	U, J, QI-1	ug/kg dry	6.7	4/09/13	4/09/13	CLP SOM01.2 V
1634-04-4	Methyl T-Butyl Ether (MTBE)	3.4	U, J, QI-1	ug/kg dry	3.4	4/09/13	4/09/13	CLP SOM01.2 V
108-87-2	Methylcyclohexane	3.4	U, J, QI-1	ug/kg dry	3.4	4/09/13	4/09/13	CLP SOM01.2 V
75-09-2	Methylene Chloride	3.4	U, J, QI-1, CLP16	ug/kg dry	3.4	4/09/13	4/09/13	CLP SOM01.2 V
95-47-6	o-Xylene	3.4	U, J, QI-1	ug/kg dry	3.4	4/09/13	4/09/13	CLP SOM01.2 V
100-42-5	Styrene	3.4	U, J, QI-1	ug/kg dry	3.4	4/09/13	4/09/13	CLP SOM01.2 V
127-18-4	Tetrachloroethene (Tetrachloroethylene)	3.4	U, J, QI-1	ug/kg dry	3.4	4/09/13	4/09/13	CLP SOM01.2 V
108-88-3	Toluene	3.4	U, J, QI-1	ug/kg dry	3.4	4/09/13	4/09/13	CLP SOM01.2 V
156-60-5	trans-1,2-Dichloroethene	3.4	U, J, QI-1	ug/kg dry	3.4	4/09/13	4/09/13	CLP SOM01.2 V
10061-02-6	trans-1,3-Dichloropropene	3.4	U, J, QI-1	ug/kg dry	3.4	4/09/13	4/09/13	CLP SOM01.2 V
79-01-6	Trichloroethene (Trichloroethylene)	3.4	U, J, QI-1	ug/kg dry	3.4	4/09/13	4/09/13	CLP SOM01.2 V
75-69-4	Trichlorofluoromethane (Freon 11)	3.4	U, J, QI-1	ug/kg dry	3.4	4/09/13	4/09/13	CLP SOM01.2 V
75-01-4	Vinyl chloride	3.4	U, J, QI-1	ug/kg dry	3.4	4/09/13	4/09/13	CLP SOM01.2 V

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Project: 13-0306, Greenwood Mills Liner Plt - Reported by Jeffrey Hendel

Volatile Organics

Project: 13-0306, Greenwood Mills Liner Plt **Contract Lab Case: 43419**

Sample ID: GML-010-SF **Lab ID: C131601-20** **MD No:**

Station ID: GML010 **Matrix: Subsurface Soil** **D No: 77M5 CHEM**

Date Collected: 4/3/13 11:45

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
Tentatively Identified Compounds:								
R4-0000	Tentatively Identified Compounds	3	U	ug/kg dry	3	4/09/13	4/09/13	CLP SOM01.2 V

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Project: 13-0306, Greenwood Mills Liner Plt - Reported by Jeffrey Hendel

Volatile Organics

Project: 13-0306, Greenwood Mills Liner Plt **Contract Lab Case: 43419**

Sample ID: GML-011-SF **Lab ID: C131601-21** **MD No:**

Station ID: GML011 **Matrix: Subsurface Soil** **D No: 77M6 CHEM**

Date Collected: 4/3/13 12:08

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1644012	% Moisture	8.0		%		4/09/13	4/09/13	CLP VOA
R4-7156	(m- and/or p-)Xylene	2.7	U	ug/kg dry	2.7	4/09/13	4/09/13	CLP SOM01.2 V
71-55-6	1,1,1-Trichloroethane	2.7	U	ug/kg dry	2.7	4/09/13	4/09/13	CLP SOM01.2 V
79-34-5	1,1,2,2-Tetrachloroethane	2.7	U	ug/kg dry	2.7	4/09/13	4/09/13	CLP SOM01.2 V
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	2.7	U	ug/kg dry	2.7	4/09/13	4/09/13	CLP SOM01.2 V
79-00-5	1,1,2-Trichloroethane	2.7	U	ug/kg dry	2.7	4/09/13	4/09/13	CLP SOM01.2 V
75-34-3	1,1-Dichloroethane	2.7	U	ug/kg dry	2.7	4/09/13	4/09/13	CLP SOM01.2 V
75-35-4	1,1-Dichloroethene (1,1-Dichloroethylene)	2.7	U	ug/kg dry	2.7	4/09/13	4/09/13	CLP SOM01.2 V
87-61-6	1,2,3-Trichlorobenzene	2.7	U	ug/kg dry	2.7	4/09/13	4/09/13	CLP SOM01.2 V
120-82-1	1,2,4-Trichlorobenzene	2.7	U	ug/kg dry	2.7	4/09/13	4/09/13	CLP SOM01.2 V
96-12-8	1,2-Dibromo-3-Chloropropane (DBCP)	2.7	U	ug/kg dry	2.7	4/09/13	4/09/13	CLP SOM01.2 V
106-93-4	1,2-Dibromoethane (EDB)	2.7	U	ug/kg dry	2.7	4/09/13	4/09/13	CLP SOM01.2 V
95-50-1	1,2-Dichlorobenzene	2.7	U	ug/kg dry	2.7	4/09/13	4/09/13	CLP SOM01.2 V
107-06-2	1,2-Dichloroethane	2.7	U	ug/kg dry	2.7	4/09/13	4/09/13	CLP SOM01.2 V
78-87-5	1,2-Dichloropropane	2.7	U	ug/kg dry	2.7	4/09/13	4/09/13	CLP SOM01.2 V
541-73-1	1,3-Dichlorobenzene	2.7	U	ug/kg dry	2.7	4/09/13	4/09/13	CLP SOM01.2 V
106-46-7	1,4-Dichlorobenzene	2.7	U	ug/kg dry	2.7	4/09/13	4/09/13	CLP SOM01.2 V
123-91-1	1,4-Dioxane	54	U, R, CLP32, CLP17	ug/kg dry	54	4/09/13	4/09/13	CLP SOM01.2 V
67-64-1	Acetone	5.4	U, J, CLP16	ug/kg dry	5.4	4/09/13	4/09/13	CLP SOM01.2 V
71-43-2	Benzene	2.7	U	ug/kg dry	2.7	4/09/13	4/09/13	CLP SOM01.2 V
74-97-5	Bromochloromethane	2.7	U	ug/kg dry	2.7	4/09/13	4/09/13	CLP SOM01.2 V
75-27-4	Bromodichloromethane	2.7	U	ug/kg dry	2.7	4/09/13	4/09/13	CLP SOM01.2 V
75-25-2	Bromoform	2.7	U	ug/kg dry	2.7	4/09/13	4/09/13	CLP SOM01.2 V
74-83-9	Bromomethane	2.7	U	ug/kg dry	2.7	4/09/13	4/09/13	CLP SOM01.2 V
75-15-0	Carbon disulfide	2.7	U	ug/kg dry	2.7	4/09/13	4/09/13	CLP SOM01.2 V
56-23-5	Carbon Tetrachloride	2.7	U	ug/kg dry	2.7	4/09/13	4/09/13	CLP SOM01.2 V
108-90-7	Chlorobenzene	2.7	U	ug/kg dry	2.7	4/09/13	4/09/13	CLP SOM01.2 V

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D.A.R.T. Id: 13-0295
Project: 13-0306, Greenwood Mills Liner Plt - Reported by Jeffrey Hendel

Volatile Organics

Project: 13-0306, Greenwood Mills Liner Plt **Contract Lab Case: 43419**

Sample ID: GML-011-SF **Lab ID: C131601-21** **MD No:**

Station ID: GML011 **Matrix: Subsurface Soil** **D No: 77M6 CHEM**

Date Collected: 4/3/13 12:08

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
75-00-3	Chloroethane	2.7	U	ug/kg dry	2.7	4/09/13	4/09/13	CLP SOM01.2 V
67-66-3	Chloroform	2.7	U	ug/kg dry	2.7	4/09/13	4/09/13	CLP SOM01.2 V
74-87-3	Chloromethane	2.7	U	ug/kg dry	2.7	4/09/13	4/09/13	CLP SOM01.2 V
156-59-2	cis-1,2-Dichloroethene	2.7	U	ug/kg dry	2.7	4/09/13	4/09/13	CLP SOM01.2 V
10061-01-5	cis-1,3-Dichloropropene	2.7	U	ug/kg dry	2.7	4/09/13	4/09/13	CLP SOM01.2 V
110-82-7	Cyclohexane	2.7	U	ug/kg dry	2.7	4/09/13	4/09/13	CLP SOM01.2 V
124-48-1	Dibromochloromethane	2.7	U	ug/kg dry	2.7	4/09/13	4/09/13	CLP SOM01.2 V
75-71-8	Dichlorodifluoromethane (Freon 12)	2.7	U	ug/kg dry	2.7	4/09/13	4/09/13	CLP SOM01.2 V
100-41-4	Ethyl Benzene	2.7	U	ug/kg dry	2.7	4/09/13	4/09/13	CLP SOM01.2 V
98-82-8	Isopropylbenzene	2.7	U	ug/kg dry	2.7	4/09/13	4/09/13	CLP SOM01.2 V
79-20-9	Methyl Acetate	2.7	U	ug/kg dry	2.7	4/09/13	4/09/13	CLP SOM01.2 V
591-78-6	Methyl Butyl Ketone	5.4	U	ug/kg dry	5.4	4/09/13	4/09/13	CLP SOM01.2 V
78-93-3	Methyl Ethyl Ketone	5.4	U, J, CLP16	ug/kg dry	5.4	4/09/13	4/09/13	CLP SOM01.2 V
108-10-1	Methyl Isobutyl Ketone	5.4	U	ug/kg dry	5.4	4/09/13	4/09/13	CLP SOM01.2 V
1634-04-4	Methyl T-Butyl Ether (MTBE)	2.7	U	ug/kg dry	2.7	4/09/13	4/09/13	CLP SOM01.2 V
108-87-2	Methylcyclohexane	2.7	U	ug/kg dry	2.7	4/09/13	4/09/13	CLP SOM01.2 V
75-09-2	Methylene Chloride	2.7	U, J, CLP16	ug/kg dry	2.7	4/09/13	4/09/13	CLP SOM01.2 V
95-47-6	o-Xylene	2.7	U	ug/kg dry	2.7	4/09/13	4/09/13	CLP SOM01.2 V
100-42-5	Styrene	2.7	U	ug/kg dry	2.7	4/09/13	4/09/13	CLP SOM01.2 V
127-18-4	Tetrachloroethene (Tetrachloroethylene)	2.7	U	ug/kg dry	2.7	4/09/13	4/09/13	CLP SOM01.2 V
108-88-3	Toluene	2.7	U	ug/kg dry	2.7	4/09/13	4/09/13	CLP SOM01.2 V
156-60-5	trans-1,2-Dichloroethene	2.7	U	ug/kg dry	2.7	4/09/13	4/09/13	CLP SOM01.2 V
10061-02-6	trans-1,3-Dichloropropene	2.7	U	ug/kg dry	2.7	4/09/13	4/09/13	CLP SOM01.2 V
79-01-6	Trichloroethene (Trichloroethylene)	2.7	U	ug/kg dry	2.7	4/09/13	4/09/13	CLP SOM01.2 V
75-69-4	Trichlorofluoromethane (Freon 11)	2.7	U	ug/kg dry	2.7	4/09/13	4/09/13	CLP SOM01.2 V
75-01-4	Vinyl chloride	2.7	U	ug/kg dry	2.7	4/09/13	4/09/13	CLP SOM01.2 V
Tentatively Identified Compounds:								
R4-0000	Tentatively Identified Compounds	3	U	ug/kg dry	3	4/09/13	4/09/13	CLP SOM01.2 V

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Project: 13-0306, Greenwood Mills Liner Plt - Reported by Jeffrey Hendel

Volatile Organics

Project: 13-0306, Greenwood Mills Liner Plt **Contract Lab Case: 43419**

Sample ID: GML-012-SF **Lab ID: C131601-22** **MD No:**

Station ID: GML012 **Matrix: Subsurface Soil** **D No: 77M7 CHEM**

Date Collected: 4/3/13 12:15

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1644012	% Moisture	18		%		4/09/13	4/09/13	CLP VOA
R4-7156	(m- and/or p-)Xylene	4.5	U	ug/kg dry	4.5	4/09/13	4/09/13	CLP SOM01.2 V
71-55-6	1,1,1-Trichloroethane	4.5	U	ug/kg dry	4.5	4/09/13	4/09/13	CLP SOM01.2 V
79-34-5	1,1,2,2-Tetrachloroethane	4.5	U	ug/kg dry	4.5	4/09/13	4/09/13	CLP SOM01.2 V
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	4.5	U	ug/kg dry	4.5	4/09/13	4/09/13	CLP SOM01.2 V
79-00-5	1,1,2-Trichloroethane	4.5	U	ug/kg dry	4.5	4/09/13	4/09/13	CLP SOM01.2 V
75-34-3	1,1-Dichloroethane	4.5	U	ug/kg dry	4.5	4/09/13	4/09/13	CLP SOM01.2 V
75-35-4	1,1-Dichloroethene (1,1-Dichloroethylene)	4.5	U	ug/kg dry	4.5	4/09/13	4/09/13	CLP SOM01.2 V
87-61-6	1,2,3-Trichlorobenzene	4.5	U, J, QI-1	ug/kg dry	4.5	4/09/13	4/09/13	CLP SOM01.2 V
120-82-1	1,2,4-Trichlorobenzene	4.5	U, J, QI-1	ug/kg dry	4.5	4/09/13	4/09/13	CLP SOM01.2 V
96-12-8	1,2-Dibromo-3-Chloropropane (DBCP)	4.5	U, J, QI-1	ug/kg dry	4.5	4/09/13	4/09/13	CLP SOM01.2 V
106-93-4	1,2-Dibromoethane (EDB)	4.5	U	ug/kg dry	4.5	4/09/13	4/09/13	CLP SOM01.2 V
95-50-1	1,2-Dichlorobenzene	2.6	J, CLP01, QI-1	ug/kg dry	4.5	4/09/13	4/09/13	CLP SOM01.2 V
107-06-2	1,2-Dichloroethane	4.5	U	ug/kg dry	4.5	4/09/13	4/09/13	CLP SOM01.2 V
78-87-5	1,2-Dichloropropane	4.5	U	ug/kg dry	4.5	4/09/13	4/09/13	CLP SOM01.2 V
541-73-1	1,3-Dichlorobenzene	4.5	U, J, QI-1	ug/kg dry	4.5	4/09/13	4/09/13	CLP SOM01.2 V
106-46-7	1,4-Dichlorobenzene	1.2	J, CLP01, QI-1	ug/kg dry	4.5	4/09/13	4/09/13	CLP SOM01.2 V
123-91-1	1,4-Dioxane	89	U, R, CLP17, CLP32	ug/kg dry	89	4/09/13	4/09/13	CLP SOM01.2 V
67-64-1	Acetone	8.9	U, J, CLP16	ug/kg dry	8.9	4/09/13	4/09/13	CLP SOM01.2 V
71-43-2	Benzene	4.5	U	ug/kg dry	4.5	4/09/13	4/09/13	CLP SOM01.2 V
74-97-5	Bromochloromethane	4.5	U	ug/kg dry	4.5	4/09/13	4/09/13	CLP SOM01.2 V
75-27-4	Bromodichloromethane	4.5	U	ug/kg dry	4.5	4/09/13	4/09/13	CLP SOM01.2 V
75-25-2	Bromoform	4.5	U, J, QI-1	ug/kg dry	4.5	4/09/13	4/09/13	CLP SOM01.2 V
74-83-9	Bromomethane	4.5	U	ug/kg dry	4.5	4/09/13	4/09/13	CLP SOM01.2 V
75-15-0	Carbon disulfide	4.5	U	ug/kg dry	4.5	4/09/13	4/09/13	CLP SOM01.2 V
56-23-5	Carbon Tetrachloride	4.5	U	ug/kg dry	4.5	4/09/13	4/09/13	CLP SOM01.2 V
108-90-7	Chlorobenzene	4.5	U	ug/kg dry	4.5	4/09/13	4/09/13	CLP SOM01.2 V

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0306, Greenwood Mills Liner Plt - Reported by Jeffrey Hendel

Volatile Organics

Project: 13-0306, Greenwood Mills Liner Plt **Contract Lab Case: 43419**

Sample ID: GML-012-SF **Lab ID: C131601-22** **MD No:**

Station ID: GML012 **Matrix: Subsurface Soil** **D No: 77M7 CHEM**

Date Collected: 4/3/13 12:15

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
75-00-3	Chloroethane	4.5	U	ug/kg dry	4.5	4/09/13	4/09/13	CLP SOM01.2 V
67-66-3	Chloroform	4.5	U	ug/kg dry	4.5	4/09/13	4/09/13	CLP SOM01.2 V
74-87-3	Chloromethane	4.5	U	ug/kg dry	4.5	4/09/13	4/09/13	CLP SOM01.2 V
156-59-2	cis-1,2-Dichloroethene	4.5	U	ug/kg dry	4.5	4/09/13	4/09/13	CLP SOM01.2 V
10061-01-5	cis-1,3-Dichloropropene	4.5	U	ug/kg dry	4.5	4/09/13	4/09/13	CLP SOM01.2 V
110-82-7	Cyclohexane	4.5	U	ug/kg dry	4.5	4/09/13	4/09/13	CLP SOM01.2 V
124-48-1	Dibromochloromethane	4.5	U	ug/kg dry	4.5	4/09/13	4/09/13	CLP SOM01.2 V
75-71-8	Dichlorodifluoromethane (Freon 12)	4.5	U	ug/kg dry	4.5	4/09/13	4/09/13	CLP SOM01.2 V
100-41-4	Ethyl Benzene	4.5	U	ug/kg dry	4.5	4/09/13	4/09/13	CLP SOM01.2 V
98-82-8	Isopropylbenzene	4.5	U	ug/kg dry	4.5	4/09/13	4/09/13	CLP SOM01.2 V
79-20-9	Methyl Acetate	4.5	U	ug/kg dry	4.5	4/09/13	4/09/13	CLP SOM01.2 V
591-78-6	Methyl Butyl Ketone	8.9	U	ug/kg dry	8.9	4/09/13	4/09/13	CLP SOM01.2 V
78-93-3	Methyl Ethyl Ketone	8.9	U, J, CLP16	ug/kg dry	8.9	4/09/13	4/09/13	CLP SOM01.2 V
108-10-1	Methyl Isobutyl Ketone	8.9	U	ug/kg dry	8.9	4/09/13	4/09/13	CLP SOM01.2 V
1634-04-4	Methyl T-Butyl Ether (MTBE)	4.5	U	ug/kg dry	4.5	4/09/13	4/09/13	CLP SOM01.2 V
108-87-2	Methylcyclohexane	4.5	U	ug/kg dry	4.5	4/09/13	4/09/13	CLP SOM01.2 V
75-09-2	Methylene Chloride	4.5	U, J, CLP16	ug/kg dry	4.5	4/09/13	4/09/13	CLP SOM01.2 V
95-47-6	o-Xylene	4.5	U	ug/kg dry	4.5	4/09/13	4/09/13	CLP SOM01.2 V
100-42-5	Styrene	4.5	U	ug/kg dry	4.5	4/09/13	4/09/13	CLP SOM01.2 V
127-18-4	Tetrachloroethene (Tetrachloroethylene)	4.5	U	ug/kg dry	4.5	4/09/13	4/09/13	CLP SOM01.2 V
108-88-3	Toluene	4.5	U	ug/kg dry	4.5	4/09/13	4/09/13	CLP SOM01.2 V
156-60-5	trans-1,2-Dichloroethene	4.5	U	ug/kg dry	4.5	4/09/13	4/09/13	CLP SOM01.2 V
10061-02-6	trans-1,3-Dichloropropene	4.5	U	ug/kg dry	4.5	4/09/13	4/09/13	CLP SOM01.2 V
79-01-6	Trichloroethene (Trichloroethylene)	4.5	U	ug/kg dry	4.5	4/09/13	4/09/13	CLP SOM01.2 V
75-69-4	Trichlorofluoromethane (Freon 11)	4.5	U	ug/kg dry	4.5	4/09/13	4/09/13	CLP SOM01.2 V
75-01-4	Vinyl chloride	4.5	U	ug/kg dry	4.5	4/09/13	4/09/13	CLP SOM01.2 V
Tentatively Identified Compounds:								
R4-0000	Tentatively Identified Compounds	4	U	ug/kg dry	4	4/09/13	4/09/13	CLP SOM01.2 V

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
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D.A.R.T. Id: 13-0295
Project: 13-0306, Greenwood Mills Liner Plt - Reported by Jeffrey Hendel

Volatile Organics

Project: 13-0306, Greenwood Mills Liner Plt **Contract Lab Case: 43419**

Sample ID: GML-013-SF **Lab ID: C131601-23** **MD No:**

Station ID: GML013 **Matrix: Subsurface Soil** **D No: 77M8 CHEM**

Date Collected: 4/3/13 9:55

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1644012	% Moisture	6.0		%		4/09/13	4/09/13	CLP VOA
R4-7156	(m- and/or p-)Xylene	2.7	U, J, QI-1	ug/kg dry	2.7	4/09/13	4/09/13	CLP SOM01.2 V
71-55-6	1,1,1-Trichloroethane	2.7	U, J, QI-1	ug/kg dry	2.7	4/09/13	4/09/13	CLP SOM01.2 V
79-34-5	1,1,2,2-Tetrachloroethane	2.7	U, J, QI-1	ug/kg dry	2.7	4/09/13	4/09/13	CLP SOM01.2 V
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	2.7	U	ug/kg dry	2.7	4/09/13	4/09/13	CLP SOM01.2 V
79-00-5	1,1,2-Trichloroethane	2.7	U, J, QI-1	ug/kg dry	2.7	4/09/13	4/09/13	CLP SOM01.2 V
75-34-3	1,1-Dichloroethane	2.7	U	ug/kg dry	2.7	4/09/13	4/09/13	CLP SOM01.2 V
75-35-4	1,1-Dichloroethene (1,1-Dichloroethylene)	2.7	U	ug/kg dry	2.7	4/09/13	4/09/13	CLP SOM01.2 V
87-61-6	1,2,3-Trichlorobenzene	2.7	U, J, QI-1	ug/kg dry	2.7	4/09/13	4/09/13	CLP SOM01.2 V
120-82-1	1,2,4-Trichlorobenzene	2.7	U, J, QI-1	ug/kg dry	2.7	4/09/13	4/09/13	CLP SOM01.2 V
96-12-8	1,2-Dibromo-3-Chloropropane (DBCP)	2.7	U, J, QI-1	ug/kg dry	2.7	4/09/13	4/09/13	CLP SOM01.2 V
106-93-4	1,2-Dibromoethane (EDB)	2.7	U, J, QI-1	ug/kg dry	2.7	4/09/13	4/09/13	CLP SOM01.2 V
95-50-1	1,2-Dichlorobenzene	2.7	U, J, QI-1	ug/kg dry	2.7	4/09/13	4/09/13	CLP SOM01.2 V
107-06-2	1,2-Dichloroethane	2.7	U	ug/kg dry	2.7	4/09/13	4/09/13	CLP SOM01.2 V
78-87-5	1,2-Dichloropropane	2.7	U, J, QI-1	ug/kg dry	2.7	4/09/13	4/09/13	CLP SOM01.2 V
541-73-1	1,3-Dichlorobenzene	2.7	U, J, QI-1	ug/kg dry	2.7	4/09/13	4/09/13	CLP SOM01.2 V
106-46-7	1,4-Dichlorobenzene	2.7	U, J, QI-1	ug/kg dry	2.7	4/09/13	4/09/13	CLP SOM01.2 V
123-91-1	1,4-Dioxane	55	U, R, CLP17, CLP32	ug/kg dry	55	4/09/13	4/09/13	CLP SOM01.2 V
67-64-1	Acetone	5.5	U, J, CLP16	ug/kg dry	5.5	4/09/13	4/09/13	CLP SOM01.2 V
71-43-2	Benzene	2.7	U, J, QI-1	ug/kg dry	2.7	4/09/13	4/09/13	CLP SOM01.2 V
74-97-5	Bromochloromethane	2.7	U	ug/kg dry	2.7	4/09/13	4/09/13	CLP SOM01.2 V
75-27-4	Bromodichloromethane	2.7	U, J, QI-1	ug/kg dry	2.7	4/09/13	4/09/13	CLP SOM01.2 V
75-25-2	Bromoform	2.7	U, J, QI-1	ug/kg dry	2.7	4/09/13	4/09/13	CLP SOM01.2 V
74-83-9	Bromomethane	2.7	U	ug/kg dry	2.7	4/09/13	4/09/13	CLP SOM01.2 V
75-15-0	Carbon disulfide	2.7	U	ug/kg dry	2.7	4/09/13	4/09/13	CLP SOM01.2 V
56-23-5	Carbon Tetrachloride	2.7	U, J, QI-1	ug/kg dry	2.7	4/09/13	4/09/13	CLP SOM01.2 V
108-90-7	Chlorobenzene	2.7	U, J, QI-1	ug/kg dry	2.7	4/09/13	4/09/13	CLP SOM01.2 V

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D.A.R.T. Id: 13-0295
Project: 13-0306, Greenwood Mills Liner Plt - Reported by Jeffrey Hendel

Volatile Organics

Project: 13-0306, Greenwood Mills Liner Plt **Contract Lab Case: 43419**

Sample ID: GML-013-SF **Lab ID: C131601-23** **MD No:**

Station ID: GML013 **Matrix: Subsurface Soil** ***D No: 77M8 CHEM***

Date Collected: 4/3/13 9:55

CAS Number	*Analyte*	*Results*	*Qualifiers*	*Units*	*MRL*	*Prepared*	*Analyzed*	*Method*
75-00-3	Chloroethane	2.7	U	ug/kg dry	2.7	4/09/13	4/09/13	CLP SOM01.2 V
67-66-3	Chloroform	2.7	U	ug/kg dry	2.7	4/09/13	4/09/13	CLP SOM01.2 V
74-87-3	Chloromethane	2.7	U	ug/kg dry	2.7	4/09/13	4/09/13	CLP SOM01.2 V
156-59-2	cis-1,2-Dichloroethene	2.7	U	ug/kg dry	2.7	4/09/13	4/09/13	CLP SOM01.2 V
10061-01-5	cis-1,3-Dichloropropene	2.7	U, J, QI-1	ug/kg dry	2.7	4/09/13	4/09/13	CLP SOM01.2 V
110-82-7	Cyclohexane	2.7	U, J, QI-1	ug/kg dry	2.7	4/09/13	4/09/13	CLP SOM01.2 V
124-48-1	Dibromochloromethane	2.7	U, J, QI-1	ug/kg dry	2.7	4/09/13	4/09/13	CLP SOM01.2 V
75-71-8	Dichlorodifluoromethane (Freon 12)	2.7	U	ug/kg dry	2.7	4/09/13	4/09/13	CLP SOM01.2 V
100-41-4	Ethyl Benzene	2.7	U, J, QI-1	ug/kg dry	2.7	4/09/13	4/09/13	CLP SOM01.2 V
98-82-8	Isopropylbenzene	2.7	U, J, QI-1	ug/kg dry	2.7	4/09/13	4/09/13	CLP SOM01.2 V
79-20-9	Methyl Acetate	2.7	U	ug/kg dry	2.7	4/09/13	4/09/13	CLP SOM01.2 V
591-78-6	Methyl Butyl Ketone	5.5	U, J, QI-1	ug/kg dry	5.5	4/09/13	4/09/13	CLP SOM01.2 V
78-93-3	Methyl Ethyl Ketone	5.5	U, J, CLP16	ug/kg dry	5.5	4/09/13	4/09/13	CLP SOM01.2 V
108-10-1	Methyl Isobutyl Ketone	5.5	U, J, QI-1	ug/kg dry	5.5	4/09/13	4/09/13	CLP SOM01.2 V
1634-04-4	Methyl T-Butyl Ether (MTBE)	2.7	U	ug/kg dry	2.7	4/09/13	4/09/13	CLP SOM01.2 V
108-87-2	Methylcyclohexane	2.7	U, J, QI-1	ug/kg dry	2.7	4/09/13	4/09/13	CLP SOM01.2 V
75-09-2	Methylene Chloride	5.1	U, J, B-4, CLP16	ug/kg dry	2.7	4/09/13	4/09/13	CLP SOM01.2 V
95-47-6	o-Xylene	2.7	U, J, QI-1	ug/kg dry	2.7	4/09/13	4/09/13	CLP SOM01.2 V
100-42-5	Styrene	2.7	U, J, QI-1	ug/kg dry	2.7	4/09/13	4/09/13	CLP SOM01.2 V
127-18-4	Tetrachloroethene (Tetrachloroethylene)	2.7	U, J, QI-1	ug/kg dry	2.7	4/09/13	4/09/13	CLP SOM01.2 V
108-88-3	Toluene	2.7	U, J, QI-1	ug/kg dry	2.7	4/09/13	4/09/13	CLP SOM01.2 V
156-60-5	trans-1,2-Dichloroethene	2.7	U	ug/kg dry	2.7	4/09/13	4/09/13	CLP SOM01.2 V
10061-02-6	trans-1,3-Dichloropropene	2.7	U, J, QI-1	ug/kg dry	2.7	4/09/13	4/09/13	CLP SOM01.2 V
79-01-6	Trichloroethene (Trichloroethylene)	2.7	U, J, QI-1	ug/kg dry	2.7	4/09/13	4/09/13	CLP SOM01.2 V
75-69-4	Trichlorofluoromethane (Freon 11)	2.7	U	ug/kg dry	2.7	4/09/13	4/09/13	CLP SOM01.2 V
75-01-4	Vinyl chloride	2.7	U	ug/kg dry	2.7	4/09/13	4/09/13	CLP SOM01.2 V
Tentatively Identified Compounds:								
R4-0000	Tentatively Identified Compounds	3	U	ug/kg dry	3	4/09/13	4/09/13	CLP SOM01.2 V

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
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D.A.R.T. Id: 13-0295
Project: 13-0306, Greenwood Mills Liner Plt - Reported by Jeffrey Hendel

Volatile Organics

Project: 13-0306, Greenwood Mills Liner Plt **Contract Lab Case: 43419**

Sample ID: GML-014-SF **Lab ID: C131601-24** **MD No:**

Station ID: GML014 **Matrix: Subsurface Soil** **D No: 77M9 CHEM**

Date Collected: 4/3/13 10:10

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1644012	% Moisture	9.0		%		4/09/13	4/09/13	CLP VOA
R4-7156	(m- and/or p-)Xylene	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
71-55-6	1,1,1-Trichloroethane	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
79-34-5	1,1,2,2-Tetrachloroethane	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
79-00-5	1,1,2-Trichloroethane	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
75-34-3	1,1-Dichloroethane	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
75-35-4	1,1-Dichloroethene (1,1-Dichloroethylene)	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
87-61-6	1,2,3-Trichlorobenzene	2.3	U, J, QI-1	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
120-82-1	1,2,4-Trichlorobenzene	2.3	U, J, QI-1	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
96-12-8	1,2-Dibromo-3-Chloropropane (DBCP)	2.3	U, J, QI-1	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
106-93-4	1,2-Dibromoethane (EDB)	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
95-50-1	1,2-Dichlorobenzene	2.3	U, J, QI-1	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
107-06-2	1,2-Dichloroethane	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
78-87-5	1,2-Dichloropropane	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
541-73-1	1,3-Dichlorobenzene	2.3	U, J, QI-1	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
106-46-7	1,4-Dichlorobenzene	2.3	U, J, QI-1	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
123-91-1	1,4-Dioxane	47	U, R, CLP17, CLP32	ug/kg dry	47	4/09/13	4/09/13	CLP SOM01.2 V
67-64-1	Acetone	4.7	U, J, CLP16	ug/kg dry	4.7	4/09/13	4/09/13	CLP SOM01.2 V
71-43-2	Benzene	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
74-97-5	Bromochloromethane	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
75-27-4	Bromodichloromethane	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
75-25-2	Bromoform	2.3	U, J, QI-1	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
74-83-9	Bromomethane	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
75-15-0	Carbon disulfide	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
56-23-5	Carbon Tetrachloride	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
108-90-7	Chlorobenzene	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V

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D.A.R.T. Id: 13-0295
Project: 13-0306, Greenwood Mills Liner Plt - Reported by Jeffrey Hendel

Volatile Organics

Project: 13-0306, Greenwood Mills Liner Plt **Contract Lab Case: 43419**

Sample ID: GML-014-SF **Lab ID: C131601-24** **MD No:**

Station ID: GML014 **Matrix: Subsurface Soil** **D No: 77M9 CHEM**

Date Collected: 4/3/13 10:10

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
75-00-3	Chloroethane	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
67-66-3	Chloroform	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
74-87-3	Chloromethane	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
156-59-2	cis-1,2-Dichloroethene	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
10061-01-5	cis-1,3-Dichloropropene	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
110-82-7	Cyclohexane	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
124-48-1	Dibromochloromethane	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
75-71-8	Dichlorodifluoromethane (Freon 12)	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
100-41-4	Ethyl Benzene	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
98-82-8	Isopropylbenzene	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
79-20-9	Methyl Acetate	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
591-78-6	Methyl Butyl Ketone	4.7	U	ug/kg dry	4.7	4/09/13	4/09/13	CLP SOM01.2 V
78-93-3	Methyl Ethyl Ketone	4.7	U, J, CLP16	ug/kg dry	4.7	4/09/13	4/09/13	CLP SOM01.2 V
108-10-1	Methyl Isobutyl Ketone	4.7	U	ug/kg dry	4.7	4/09/13	4/09/13	CLP SOM01.2 V
1634-04-4	Methyl T-Butyl Ether (MTBE)	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
108-87-2	Methylcyclohexane	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
75-09-2	Methylene Chloride	2.3	U, J, CLP16	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
95-47-6	o-Xylene	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
100-42-5	Styrene	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
127-18-4	Tetrachloroethene (Tetrachloroethylene)	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
108-88-3	Toluene	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
156-60-5	trans-1,2-Dichloroethene	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
10061-02-6	trans-1,3-Dichloropropene	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
79-01-6	Trichloroethene (Trichloroethylene)	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
75-69-4	Trichlorofluoromethane (Freon 11)	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
75-01-4	Vinyl chloride	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
Tentatively Identified Compounds:								
80-56-8	.alpha.-Pinene	40	NJ, CLP15	ug/kg dry		4/09/13	4/09/13	CLP SOM01.2 V

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0306, Greenwood Mills Liner Plt - Reported by Jeffrey Hendel

Volatile Organics

Project: 13-0306, Greenwood Mills Liner Plt **Contract Lab Case: 43419**

Sample ID: GML-015-SF **Lab ID: C131601-25** **MD No:**

Station ID: GML015 **Matrix: Subsurface Soil** **D No: 77N0 CHEM**

Date Collected: 4/3/13 10:25

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1644012	% Moisture	8.0		%		4/09/13	4/09/13	CLP VOA
R4-7156	(m- and/or p-)Xylene	1.9	U	ug/kg dry	1.9	4/09/13	4/09/13	CLP SOM01.2 V
71-55-6	1,1,1-Trichloroethane	1.9	U	ug/kg dry	1.9	4/09/13	4/09/13	CLP SOM01.2 V
79-34-5	1,1,2,2-Tetrachloroethane	1.9	U	ug/kg dry	1.9	4/09/13	4/09/13	CLP SOM01.2 V
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	1.9	U	ug/kg dry	1.9	4/09/13	4/09/13	CLP SOM01.2 V
79-00-5	1,1,2-Trichloroethane	1.9	U	ug/kg dry	1.9	4/09/13	4/09/13	CLP SOM01.2 V
75-34-3	1,1-Dichloroethane	1.9	U	ug/kg dry	1.9	4/09/13	4/09/13	CLP SOM01.2 V
75-35-4	1,1-Dichloroethene (1,1-Dichloroethylene)	1.9	U	ug/kg dry	1.9	4/09/13	4/09/13	CLP SOM01.2 V
87-61-6	1,2,3-Trichlorobenzene	1.9	U	ug/kg dry	1.9	4/09/13	4/09/13	CLP SOM01.2 V
120-82-1	1,2,4-Trichlorobenzene	1.9	U	ug/kg dry	1.9	4/09/13	4/09/13	CLP SOM01.2 V
96-12-8	1,2-Dibromo-3-Chloropropane (DBCP)	1.9	U	ug/kg dry	1.9	4/09/13	4/09/13	CLP SOM01.2 V
106-93-4	1,2-Dibromoethane (EDB)	1.9	U	ug/kg dry	1.9	4/09/13	4/09/13	CLP SOM01.2 V
95-50-1	1,2-Dichlorobenzene	1.9	U	ug/kg dry	1.9	4/09/13	4/09/13	CLP SOM01.2 V
107-06-2	1,2-Dichloroethane	1.9	U	ug/kg dry	1.9	4/09/13	4/09/13	CLP SOM01.2 V
78-87-5	1,2-Dichloropropane	1.9	U	ug/kg dry	1.9	4/09/13	4/09/13	CLP SOM01.2 V
541-73-1	1,3-Dichlorobenzene	1.9	U	ug/kg dry	1.9	4/09/13	4/09/13	CLP SOM01.2 V
106-46-7	1,4-Dichlorobenzene	1.9	U	ug/kg dry	1.9	4/09/13	4/09/13	CLP SOM01.2 V
123-91-1	1,4-Dioxane	39	U, R, CLP17, CLP32	ug/kg dry	39	4/09/13	4/09/13	CLP SOM01.2 V
67-64-1	Acetone	3.9	U, J, CLP16	ug/kg dry	3.9	4/09/13	4/09/13	CLP SOM01.2 V
71-43-2	Benzene	1.9	U	ug/kg dry	1.9	4/09/13	4/09/13	CLP SOM01.2 V
74-97-5	Bromochloromethane	1.9	U	ug/kg dry	1.9	4/09/13	4/09/13	CLP SOM01.2 V
75-27-4	Bromodichloromethane	1.9	U	ug/kg dry	1.9	4/09/13	4/09/13	CLP SOM01.2 V
75-25-2	Bromoform	1.9	U	ug/kg dry	1.9	4/09/13	4/09/13	CLP SOM01.2 V
74-83-9	Bromomethane	1.9	U	ug/kg dry	1.9	4/09/13	4/09/13	CLP SOM01.2 V
75-15-0	Carbon disulfide	1.9	U	ug/kg dry	1.9	4/09/13	4/09/13	CLP SOM01.2 V
56-23-5	Carbon Tetrachloride	1.9	U	ug/kg dry	1.9	4/09/13	4/09/13	CLP SOM01.2 V
108-90-7	Chlorobenzene	1.9	U	ug/kg dry	1.9	4/09/13	4/09/13	CLP SOM01.2 V

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
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D.A.R.T. Id: 13-0295
Project: 13-0306, Greenwood Mills Liner Plt - Reported by Jeffrey Hendel

Volatile Organics

Project: 13-0306, Greenwood Mills Liner Plt **Contract Lab Case: 43419**

Sample ID: GML-015-SF **Lab ID: C131601-25** **MD No:**

Station ID: GML015 **Matrix: Subsurface Soil** **D No: 77N0 CHEM**

Date Collected: 4/3/13 10:25

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
75-00-3	Chloroethane	1.9	U	ug/kg dry	1.9	4/09/13	4/09/13	CLP SOM01.2 V
67-66-3	Chloroform	1.9	U	ug/kg dry	1.9	4/09/13	4/09/13	CLP SOM01.2 V
74-87-3	Chloromethane	1.9	U	ug/kg dry	1.9	4/09/13	4/09/13	CLP SOM01.2 V
156-59-2	cis-1,2-Dichloroethene	1.9	U	ug/kg dry	1.9	4/09/13	4/09/13	CLP SOM01.2 V
10061-01-5	cis-1,3-Dichloropropene	1.9	U	ug/kg dry	1.9	4/09/13	4/09/13	CLP SOM01.2 V
110-82-7	Cyclohexane	1.9	U	ug/kg dry	1.9	4/09/13	4/09/13	CLP SOM01.2 V
124-48-1	Dibromochloromethane	1.9	U	ug/kg dry	1.9	4/09/13	4/09/13	CLP SOM01.2 V
75-71-8	Dichlorodifluoromethane (Freon 12)	1.9	U	ug/kg dry	1.9	4/09/13	4/09/13	CLP SOM01.2 V
100-41-4	Ethyl Benzene	1.9	U	ug/kg dry	1.9	4/09/13	4/09/13	CLP SOM01.2 V
98-82-8	Isopropylbenzene	1.9	U	ug/kg dry	1.9	4/09/13	4/09/13	CLP SOM01.2 V
79-20-9	Methyl Acetate	1.9	U	ug/kg dry	1.9	4/09/13	4/09/13	CLP SOM01.2 V
591-78-6	Methyl Butyl Ketone	3.9	U	ug/kg dry	3.9	4/09/13	4/09/13	CLP SOM01.2 V
78-93-3	Methyl Ethyl Ketone	3.9	U, J, CLP16	ug/kg dry	3.9	4/09/13	4/09/13	CLP SOM01.2 V
108-10-1	Methyl Isobutyl Ketone	3.9	U	ug/kg dry	3.9	4/09/13	4/09/13	CLP SOM01.2 V
1634-04-4	Methyl T-Butyl Ether (MTBE)	1.9	U	ug/kg dry	1.9	4/09/13	4/09/13	CLP SOM01.2 V
108-87-2	Methylcyclohexane	1.9	U	ug/kg dry	1.9	4/09/13	4/09/13	CLP SOM01.2 V
75-09-2	Methylene Chloride	1.9	U, J, CLP16	ug/kg dry	1.9	4/09/13	4/09/13	CLP SOM01.2 V
95-47-6	o-Xylene	1.9	U	ug/kg dry	1.9	4/09/13	4/09/13	CLP SOM01.2 V
100-42-5	Styrene	1.9	U	ug/kg dry	1.9	4/09/13	4/09/13	CLP SOM01.2 V
127-18-4	Tetrachloroethene (Tetrachloroethylene)	1.9	U	ug/kg dry	1.9	4/09/13	4/09/13	CLP SOM01.2 V
108-88-3	Toluene	1.9	U	ug/kg dry	1.9	4/09/13	4/09/13	CLP SOM01.2 V
156-60-5	trans-1,2-Dichloroethene	1.9	U	ug/kg dry	1.9	4/09/13	4/09/13	CLP SOM01.2 V
10061-02-6	trans-1,3-Dichloropropene	1.9	U	ug/kg dry	1.9	4/09/13	4/09/13	CLP SOM01.2 V
79-01-6	Trichloroethene (Trichloroethylene)	1.9	U	ug/kg dry	1.9	4/09/13	4/09/13	CLP SOM01.2 V
75-69-4	Trichlorofluoromethane (Freon 11)	1.9	U	ug/kg dry	1.9	4/09/13	4/09/13	CLP SOM01.2 V
75-01-4	Vinyl chloride	1.9	U	ug/kg dry	1.9	4/09/13	4/09/13	CLP SOM01.2 V
Tentatively Identified Compounds:								
R4-0000	Tentatively Identified Compounds	2	U	ug/kg dry	2	4/09/13	4/09/13	CLP SOM01.2 V

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
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D.A.R.T. Id: 13-0295
Project: 13-0306, Greenwood Mills Liner Plt - Reported by Jeffrey Hendel

Volatile Organics

Project: 13-0306, Greenwood Mills Liner Plt **Contract Lab Case: 43419**

Sample ID: GML-016-SF **Lab ID: C131601-26** **MD No:**

Station ID: GML016 **Matrix: Subsurface Soil** **D No: 77N1 CHEM**

Date Collected: 4/3/13 12:42

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1644012	% Moisture	24		%		4/09/13	4/09/13	CLP VOA
R4-7156	(m- and/or p-)Xylene	2.5	U	ug/kg dry	2.5	4/09/13	4/09/13	CLP SOM01.2 V
71-55-6	1,1,1-Trichloroethane	2.5	U	ug/kg dry	2.5	4/09/13	4/09/13	CLP SOM01.2 V
79-34-5	1,1,2,2-Tetrachloroethane	2.5	U	ug/kg dry	2.5	4/09/13	4/09/13	CLP SOM01.2 V
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	2.5	U	ug/kg dry	2.5	4/09/13	4/09/13	CLP SOM01.2 V
79-00-5	1,1,2-Trichloroethane	2.5	U	ug/kg dry	2.5	4/09/13	4/09/13	CLP SOM01.2 V
75-34-3	1,1-Dichloroethane	2.5	U	ug/kg dry	2.5	4/09/13	4/09/13	CLP SOM01.2 V
75-35-4	1,1-Dichloroethene (1,1-Dichloroethylene)	2.5	U	ug/kg dry	2.5	4/09/13	4/09/13	CLP SOM01.2 V
87-61-6	1,2,3-Trichlorobenzene	2.5	U	ug/kg dry	2.5	4/09/13	4/09/13	CLP SOM01.2 V
120-82-1	1,2,4-Trichlorobenzene	2.5	U	ug/kg dry	2.5	4/09/13	4/09/13	CLP SOM01.2 V
96-12-8	1,2-Dibromo-3-Chloropropane (DBCP)	2.5	U	ug/kg dry	2.5	4/09/13	4/09/13	CLP SOM01.2 V
106-93-4	1,2-Dibromoethane (EDB)	2.5	U	ug/kg dry	2.5	4/09/13	4/09/13	CLP SOM01.2 V
95-50-1	1,2-Dichlorobenzene	2.5	U	ug/kg dry	2.5	4/09/13	4/09/13	CLP SOM01.2 V
107-06-2	1,2-Dichloroethane	2.5	U	ug/kg dry	2.5	4/09/13	4/09/13	CLP SOM01.2 V
78-87-5	1,2-Dichloropropane	2.5	U	ug/kg dry	2.5	4/09/13	4/09/13	CLP SOM01.2 V
541-73-1	1,3-Dichlorobenzene	2.5	U	ug/kg dry	2.5	4/09/13	4/09/13	CLP SOM01.2 V
106-46-7	1,4-Dichlorobenzene	2.5	U	ug/kg dry	2.5	4/09/13	4/09/13	CLP SOM01.2 V
123-91-1	1,4-Dioxane	49	U, R, CLP32, CLP17	ug/kg dry	49	4/09/13	4/09/13	CLP SOM01.2 V
67-64-1	Acetone	4.9	U, J, CLP16	ug/kg dry	4.9	4/09/13	4/09/13	CLP SOM01.2 V
71-43-2	Benzene	2.5	U	ug/kg dry	2.5	4/09/13	4/09/13	CLP SOM01.2 V
74-97-5	Bromochloromethane	2.5	U	ug/kg dry	2.5	4/09/13	4/09/13	CLP SOM01.2 V
75-27-4	Bromodichloromethane	2.5	U	ug/kg dry	2.5	4/09/13	4/09/13	CLP SOM01.2 V
75-25-2	Bromoform	2.5	U	ug/kg dry	2.5	4/09/13	4/09/13	CLP SOM01.2 V
74-83-9	Bromomethane	2.5	U	ug/kg dry	2.5	4/09/13	4/09/13	CLP SOM01.2 V
75-15-0	Carbon disulfide	2.5	U	ug/kg dry	2.5	4/09/13	4/09/13	CLP SOM01.2 V
56-23-5	Carbon Tetrachloride	2.5	U	ug/kg dry	2.5	4/09/13	4/09/13	CLP SOM01.2 V
108-90-7	Chlorobenzene	2.5	U	ug/kg dry	2.5	4/09/13	4/09/13	CLP SOM01.2 V

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D.A.R.T. Id: 13-0295
Project: 13-0306, Greenwood Mills Liner Plt - Reported by Jeffrey Hendel

Volatile Organics

Project: 13-0306, Greenwood Mills Liner Plt **Contract Lab Case: 43419**

Sample ID: GML-016-SF **Lab ID: C131601-26** **MD No:**

Station ID: GML016 **Matrix: Subsurface Soil** **D No: 77N1 CHEM**

Date Collected: 4/3/13 12:42

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
75-00-3	Chloroethane	2.5	U	ug/kg dry	2.5	4/09/13	4/09/13	CLP SOM01.2 V
67-66-3	Chloroform	2.5	U	ug/kg dry	2.5	4/09/13	4/09/13	CLP SOM01.2 V
74-87-3	Chloromethane	2.5	U	ug/kg dry	2.5	4/09/13	4/09/13	CLP SOM01.2 V
156-59-2	cis-1,2-Dichloroethene	2.5	U	ug/kg dry	2.5	4/09/13	4/09/13	CLP SOM01.2 V
10061-01-5	cis-1,3-Dichloropropene	2.5	U	ug/kg dry	2.5	4/09/13	4/09/13	CLP SOM01.2 V
110-82-7	Cyclohexane	2.5	U	ug/kg dry	2.5	4/09/13	4/09/13	CLP SOM01.2 V
124-48-1	Dibromochloromethane	2.5	U	ug/kg dry	2.5	4/09/13	4/09/13	CLP SOM01.2 V
75-71-8	Dichlorodifluoromethane (Freon 12)	2.5	U	ug/kg dry	2.5	4/09/13	4/09/13	CLP SOM01.2 V
100-41-4	Ethyl Benzene	2.5	U	ug/kg dry	2.5	4/09/13	4/09/13	CLP SOM01.2 V
98-82-8	Isopropylbenzene	2.5	U	ug/kg dry	2.5	4/09/13	4/09/13	CLP SOM01.2 V
79-20-9	Methyl Acetate	2.5	U	ug/kg dry	2.5	4/09/13	4/09/13	CLP SOM01.2 V
591-78-6	Methyl Butyl Ketone	4.9	U	ug/kg dry	4.9	4/09/13	4/09/13	CLP SOM01.2 V
78-93-3	Methyl Ethyl Ketone	4.9	U, J, CLP16	ug/kg dry	4.9	4/09/13	4/09/13	CLP SOM01.2 V
108-10-1	Methyl Isobutyl Ketone	4.9	U	ug/kg dry	4.9	4/09/13	4/09/13	CLP SOM01.2 V
1634-04-4	Methyl T-Butyl Ether (MTBE)	2.5	U	ug/kg dry	2.5	4/09/13	4/09/13	CLP SOM01.2 V
108-87-2	Methylcyclohexane	2.5	U	ug/kg dry	2.5	4/09/13	4/09/13	CLP SOM01.2 V
75-09-2	Methylene Chloride	2.5	U, J, CLP16	ug/kg dry	2.5	4/09/13	4/09/13	CLP SOM01.2 V
95-47-6	o-Xylene	2.5	U	ug/kg dry	2.5	4/09/13	4/09/13	CLP SOM01.2 V
100-42-5	Styrene	2.5	U	ug/kg dry	2.5	4/09/13	4/09/13	CLP SOM01.2 V
127-18-4	Tetrachloroethene (Tetrachloroethylene)	2.5	U	ug/kg dry	2.5	4/09/13	4/09/13	CLP SOM01.2 V
108-88-3	Toluene	2.5	U	ug/kg dry	2.5	4/09/13	4/09/13	CLP SOM01.2 V
156-60-5	trans-1,2-Dichloroethene	2.5	U	ug/kg dry	2.5	4/09/13	4/09/13	CLP SOM01.2 V
10061-02-6	trans-1,3-Dichloropropene	2.5	U	ug/kg dry	2.5	4/09/13	4/09/13	CLP SOM01.2 V
79-01-6	Trichloroethene (Trichloroethylene)	2.5	U	ug/kg dry	2.5	4/09/13	4/09/13	CLP SOM01.2 V
75-69-4	Trichlorofluoromethane (Freon 11)	2.5	U	ug/kg dry	2.5	4/09/13	4/09/13	CLP SOM01.2 V
75-01-4	Vinyl chloride	2.5	U	ug/kg dry	2.5	4/09/13	4/09/13	CLP SOM01.2 V
Tentatively Identified Compounds:								
R4-0000	Tentatively Identified Compounds	2	U	ug/kg dry	2	4/09/13	4/09/13	CLP SOM01.2 V

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D.A.R.T. Id: 13-0295
Project: 13-0306, Greenwood Mills Liner Plt - Reported by Jeffrey Hendel

Volatile Organics

Project: 13-0306, Greenwood Mills Liner Plt **Contract Lab Case: 43419**

Sample ID: GML-017-SF **Lab ID: C131601-27** **MD No:**

Station ID: GML017 **Matrix: Subsurface Soil** **D No: 77N2 CHEM**

Date Collected: 4/3/13 12:56

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1644012	% Moisture	15		%		4/09/13	4/09/13	CLP VOA
R4-7156	(m- and/or p-)Xylene	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
71-55-6	1,1,1-Trichloroethane	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
79-34-5	1,1,2,2-Tetrachloroethane	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
79-00-5	1,1,2-Trichloroethane	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
75-34-3	1,1-Dichloroethane	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
75-35-4	1,1-Dichloroethene (1,1-Dichloroethylene)	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
87-61-6	1,2,3-Trichlorobenzene	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
120-82-1	1,2,4-Trichlorobenzene	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
96-12-8	1,2-Dibromo-3-Chloropropane (DBCP)	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
106-93-4	1,2-Dibromoethane (EDB)	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
95-50-1	1,2-Dichlorobenzene	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
107-06-2	1,2-Dichloroethane	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
78-87-5	1,2-Dichloropropane	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
541-73-1	1,3-Dichlorobenzene	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
106-46-7	1,4-Dichlorobenzene	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
123-91-1	1,4-Dioxane	47	U, R, CLP17, CLP32	ug/kg dry	47	4/09/13	4/09/13	CLP SOM01.2 V
67-64-1	Acetone	4.7	U, J, CLP16	ug/kg dry	4.7	4/09/13	4/09/13	CLP SOM01.2 V
71-43-2	Benzene	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
74-97-5	Bromochloromethane	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
75-27-4	Bromodichloromethane	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
75-25-2	Bromoform	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
74-83-9	Bromomethane	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
75-15-0	Carbon disulfide	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
56-23-5	Carbon Tetrachloride	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
108-90-7	Chlorobenzene	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0306, Greenwood Mills Liner Plt - Reported by Jeffrey Hendel

Volatile Organics

Project: 13-0306, Greenwood Mills Liner Plt **Contract Lab Case: 43419**

Sample ID: GML-017-SF **Lab ID: C131601-27** **MD No:**

Station ID: GML017 **Matrix: Subsurface Soil** **D No: 77N2 CHEM**

Date Collected: 4/3/13 12:56

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
75-00-3	Chloroethane	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
67-66-3	Chloroform	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
74-87-3	Chloromethane	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
156-59-2	cis-1,2-Dichloroethene	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
10061-01-5	cis-1,3-Dichloropropene	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
110-82-7	Cyclohexane	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
124-48-1	Dibromochloromethane	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
75-71-8	Dichlorodifluoromethane (Freon 12)	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
100-41-4	Ethyl Benzene	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
98-82-8	Isopropylbenzene	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
79-20-9	Methyl Acetate	0.98	J, CLP01	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
591-78-6	Methyl Butyl Ketone	4.7	U	ug/kg dry	4.7	4/09/13	4/09/13	CLP SOM01.2 V
78-93-3	Methyl Ethyl Ketone	4.7	U, J, CLP16	ug/kg dry	4.7	4/09/13	4/09/13	CLP SOM01.2 V
108-10-1	Methyl Isobutyl Ketone	4.7	U	ug/kg dry	4.7	4/09/13	4/09/13	CLP SOM01.2 V
1634-04-4	Methyl T-Butyl Ether (MTBE)	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
108-87-2	Methylcyclohexane	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
75-09-2	Methylene Chloride	2.3	U, J, CLP16	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
95-47-6	o-Xylene	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
100-42-5	Styrene	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
127-18-4	Tetrachloroethene (Tetrachloroethylene)	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
108-88-3	Toluene	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
156-60-5	trans-1,2-Dichloroethene	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
10061-02-6	trans-1,3-Dichloropropene	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
79-01-6	Trichloroethene (Trichloroethylene)	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
75-69-4	Trichlorofluoromethane (Freon 11)	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
75-01-4	Vinyl chloride	2.3	U	ug/kg dry	2.3	4/09/13	4/09/13	CLP SOM01.2 V
Tentatively Identified Compounds:								
R4-0000	Tentatively Identified Compounds	2	U	ug/kg dry	2	4/09/13	4/09/13	CLP SOM01.2 V

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
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D.A.R.T. Id: 13-0295
Project: 13-0306, Greenwood Mills Liner Plt - Reported by Jeffrey Hendel

Volatile Organics

Project: 13-0306, Greenwood Mills Liner Plt **Contract Lab Case: 43419**

Sample ID: GML-019-GW **Lab ID: C131601-28** **MD No:**

Station ID: GML019 **Matrix: Groundwater** **D No: 77P2 CHEM**

Date Collected: 4/4/13 17:05

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
R4-7156	(m- and/or p-)Xylene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
71-55-6	1,1,1-Trichloroethane	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
79-00-5	1,1,2-Trichloroethane	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
75-34-3	1,1-Dichloroethane	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
75-35-4	1,1-Dichloroethene (1,1-Dichloroethylene)	5.0	U, J, QS-3	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
87-61-6	1,2,3-Trichlorobenzene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
120-82-1	1,2,4-Trichlorobenzene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
96-12-8	1,2-Dibromo-3-Chloropropane (DBCP)	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
106-93-4	1,2-Dibromoethane (EDB)	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
95-50-1	1,2-Dichlorobenzene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
107-06-2	1,2-Dichloroethane	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
78-87-5	1,2-Dichloropropane	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
541-73-1	1,3-Dichlorobenzene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
106-46-7	1,4-Dichlorobenzene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
123-91-1	1,4-Dioxane	100	U, R, CLP17, CLP32	ug/L	100	4/09/13	4/09/13	CLP SOM01.2 V
67-64-1	Acetone	10	U, J, QC-1	ug/L	10	4/09/13	4/09/13	CLP SOM01.2 V
71-43-2	Benzene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
74-97-5	Bromochloromethane	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
75-27-4	Bromodichloromethane	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
75-25-2	Bromoform	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
74-83-9	Bromomethane	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
75-15-0	Carbon disulfide	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
56-23-5	Carbon Tetrachloride	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
108-90-7	Chlorobenzene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
75-00-3	Chloroethane	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
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D.A.R.T. Id: 13-0295
Project: 13-0306, Greenwood Mills Liner Plt - Reported by Jeffrey Hendel

Volatile Organics

Project: 13-0306, Greenwood Mills Liner Plt **Contract Lab Case: 43419**

Sample ID: GML-019-GW **Lab ID: C131601-28** **MD No:**

Station ID: GML019 **Matrix: Groundwater** **D No: 77P2 CHEM**

Date Collected: 4/4/13 17:05

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
67-66-3	Chloroform	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
74-87-3	Chloromethane	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
156-59-2	cis-1,2-Dichloroethene	5.0	U, J, QS-3	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
10061-01-5	cis-1,3-Dichloropropene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
110-82-7	Cyclohexane	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
124-48-1	Dibromochloromethane	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
75-71-8	Dichlorodifluoromethane (Freon 12)	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
100-41-4	Ethyl Benzene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
98-82-8	Isopropylbenzene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
79-20-9	Methyl Acetate	5.0	U, J, QC-1	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
591-78-6	Methyl Butyl Ketone	10	U	ug/L	10	4/09/13	4/09/13	CLP SOM01.2 V
78-93-3	Methyl Ethyl Ketone	10	U, J, QC-1	ug/L	10	4/09/13	4/09/13	CLP SOM01.2 V
108-10-1	Methyl Isobutyl Ketone	10	U	ug/L	10	4/09/13	4/09/13	CLP SOM01.2 V
1634-04-4	Methyl T-Butyl Ether (MTBE)	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
108-87-2	Methylcyclohexane	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
75-09-2	Methylene Chloride	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
95-47-6	o-Xylene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
100-42-5	Styrene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
127-18-4	Tetrachloroethene (Tetrachloroethylene)	5.0	J, CLP01	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
108-88-3	Toluene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
156-60-5	trans-1,2-Dichloroethene	5.0	U, J, QS-3	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
10061-02-6	trans-1,3-Dichloropropene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
79-01-6	Trichloroethene (Trichloroethylene)	2.3	J, CLP01	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
75-69-4	Trichlorofluoromethane (Freon 11)	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
75-01-4	Vinyl chloride	5.0	U, J, QS-3	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
Tentatively Identified Compounds:								
R4-0000	Tentatively Identified Compounds	5	U	ug/L	5	4/09/13	4/09/13	CLP SOM01.2 V

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
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980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0306, Greenwood Mills Liner Plt - Reported by Jeffrey Hendel

Volatile Organics

Project: 13-0306, Greenwood Mills Liner Plt **Contract Lab Case: 43419**

Sample ID: GML-020-GW **Lab ID: C131601-29** **MD No:**

Station ID: GML020 **Matrix: Groundwater** **D No: 77P3 CHEM**

Date Collected: 4/4/13 14:37

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
R4-7156	(m- and/or p-)Xylene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
71-55-6	1,1,1-Trichloroethane	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
79-00-5	1,1,2-Trichloroethane	5.0	U, J, QS-3	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
75-34-3	1,1-Dichloroethane	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
75-35-4	1,1-Dichloroethene (1,1-Dichloroethylene)	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
87-61-6	1,2,3-Trichlorobenzene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
120-82-1	1,2,4-Trichlorobenzene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
96-12-8	1,2-Dibromo-3-Chloropropane (DBCP)	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
106-93-4	1,2-Dibromoethane (EDB)	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
95-50-1	1,2-Dichlorobenzene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
107-06-2	1,2-Dichloroethane	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
78-87-5	1,2-Dichloropropane	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
541-73-1	1,3-Dichlorobenzene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
106-46-7	1,4-Dichlorobenzene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
123-91-1	1,4-Dioxane	100	U, R, CLP17, CLP32	ug/L	100	4/09/13	4/09/13	CLP SOM01.2 V
67-64-1	Acetone	10	U, J, QC-1	ug/L	10	4/09/13	4/09/13	CLP SOM01.2 V
71-43-2	Benzene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
74-97-5	Bromochloromethane	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
75-27-4	Bromodichloromethane	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
75-25-2	Bromoform	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
74-83-9	Bromomethane	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
75-15-0	Carbon disulfide	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
56-23-5	Carbon Tetrachloride	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
108-90-7	Chlorobenzene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
75-00-3	Chloroethane	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
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D.A.R.T. Id: 13-0295
Project: 13-0306, Greenwood Mills Liner Plt - Reported by Jeffrey Hendel

Volatile Organics

Project: 13-0306, Greenwood Mills Liner Plt **Contract Lab Case: 43419**

Sample ID: GML-020-GW **Lab ID: C131601-29** **MD No:**

Station ID: GML020 **Matrix: Groundwater** **D No: 77P3 CHEM**

Date Collected: 4/4/13 14:37

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
67-66-3	Chloroform	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
74-87-3	Chloromethane	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
156-59-2	cis-1,2-Dichloroethene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
10061-01-5	cis-1,3-Dichloropropene	5.0	U, J, QS-3	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
110-82-7	Cyclohexane	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
124-48-1	Dibromochloromethane	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
75-71-8	Dichlorodifluoromethane (Freon 12)	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
100-41-4	Ethyl Benzene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
98-82-8	Isopropylbenzene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
79-20-9	Methyl Acetate	5.0	U, J, QC-1	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
591-78-6	Methyl Butyl Ketone	10	U	ug/L	10	4/09/13	4/09/13	CLP SOM01.2 V
78-93-3	Methyl Ethyl Ketone	10	U, J, QC-1	ug/L	10	4/09/13	4/09/13	CLP SOM01.2 V
108-10-1	Methyl Isobutyl Ketone	10	U	ug/L	10	4/09/13	4/09/13	CLP SOM01.2 V
1634-04-4	Methyl T-Butyl Ether (MTBE)	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
108-87-2	Methylcyclohexane	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
75-09-2	Methylene Chloride	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
95-47-6	o-Xylene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
100-42-5	Styrene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
127-18-4	Tetrachloroethene (Tetrachloroethylene)	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
108-88-3	Toluene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
156-60-5	trans-1,2-Dichloroethene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
10061-02-6	trans-1,3-Dichloropropene	5.0	U, J, QS-3	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
79-01-6	Trichloroethene (Trichloroethylene)	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
75-69-4	Trichlorofluoromethane (Freon 11)	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
75-01-4	Vinyl chloride	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
Tentatively Identified Compounds:								
R4-0000	Tentatively Identified Compounds	5	U	ug/L	5	4/09/13	4/09/13	CLP SOM01.2 V

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0306, Greenwood Mills Liner Plt - Reported by Jeffrey Hendel

Volatile Organics

Project: 13-0306, Greenwood Mills Liner Plt **Contract Lab Case: 43419**

Sample ID: GML-021-GW **Lab ID: C131601-30** **MD No:**

Station ID: GML021 **Matrix: Groundwater** **D No: 77P4 CHEM**

Date Collected: 4/4/13 12:52

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
R4-7156	(m- and/or p-)Xylene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
71-55-6	1,1,1-Trichloroethane	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
79-00-5	1,1,2-Trichloroethane	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
75-34-3	1,1-Dichloroethane	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
75-35-4	1,1-Dichloroethene (1,1-Dichloroethylene)	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
87-61-6	1,2,3-Trichlorobenzene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
120-82-1	1,2,4-Trichlorobenzene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
96-12-8	1,2-Dibromo-3-Chloropropane (DBCP)	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
106-93-4	1,2-Dibromoethane (EDB)	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
95-50-1	1,2-Dichlorobenzene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
107-06-2	1,2-Dichloroethane	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
78-87-5	1,2-Dichloropropane	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
541-73-1	1,3-Dichlorobenzene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
106-46-7	1,4-Dichlorobenzene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
123-91-1	1,4-Dioxane	100	U, R, CLP17, CLP32	ug/L	100	4/09/13	4/09/13	CLP SOM01.2 V
67-64-1	Acetone	10	U, J, QC-1	ug/L	10	4/09/13	4/09/13	CLP SOM01.2 V
71-43-2	Benzene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
74-97-5	Bromochloromethane	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
75-27-4	Bromodichloromethane	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
75-25-2	Bromoform	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
74-83-9	Bromomethane	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
75-15-0	Carbon disulfide	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
56-23-5	Carbon Tetrachloride	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
108-90-7	Chlorobenzene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
75-00-3	Chloroethane	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V

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D.A.R.T. Id: 13-0295
Project: 13-0306, Greenwood Mills Liner Plt - Reported by Jeffrey Hendel

Volatile Organics

Project: 13-0306, Greenwood Mills Liner Plt **Contract Lab Case: 43419**

Sample ID: GML-021-GW **Lab ID: C131601-30** **MD No:**

Station ID: GML021 **Matrix: Groundwater** **D No: 77P4 CHEM**

Date Collected: 4/4/13 12:52

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
67-66-3	Chloroform	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
74-87-3	Chloromethane	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
156-59-2	cis-1,2-Dichloroethene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
10061-01-5	cis-1,3-Dichloropropene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
110-82-7	Cyclohexane	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
124-48-1	Dibromochloromethane	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
75-71-8	Dichlorodifluoromethane (Freon 12)	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
100-41-4	Ethyl Benzene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
98-82-8	Isopropylbenzene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
79-20-9	Methyl Acetate	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
591-78-6	Methyl Butyl Ketone	10	U	ug/L	10	4/09/13	4/09/13	CLP SOM01.2 V
78-93-3	Methyl Ethyl Ketone	10	U	ug/L	10	4/09/13	4/09/13	CLP SOM01.2 V
108-10-1	Methyl Isobutyl Ketone	10	U	ug/L	10	4/09/13	4/09/13	CLP SOM01.2 V
1634-04-4	Methyl T-Butyl Ether (MTBE)	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
108-87-2	Methylcyclohexane	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
75-09-2	Methylene Chloride	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
95-47-6	o-Xylene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
100-42-5	Styrene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
127-18-4	Tetrachloroethene (Tetrachloroethylene)	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
108-88-3	Toluene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
156-60-5	trans-1,2-Dichloroethene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
10061-02-6	trans-1,3-Dichloropropene	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
79-01-6	Trichloroethene (Trichloroethylene)	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
75-69-4	Trichlorofluoromethane (Freon 11)	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
75-01-4	Vinyl chloride	5.0	U	ug/L	5.0	4/09/13	4/09/13	CLP SOM01.2 V
Tentatively Identified Compounds:								
R4-0000	Tentatively Identified Compounds	5	U	ug/L	5	4/09/13	4/09/13	CLP SOM01.2 V

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Roberta Howes

April 25, 2013

4SESD-ASB

MEMORANDUM

SUBJECT: FINAL Analytical Report
Project: 13-0295, Greenwood Mills Liner Plt
Superfund Remedial

FROM: Roberta Howes
ICS Chemist

THRU: Mike Wasko, Chief
ASB Inorganic Chemistry Section

TO: Nancy McKee

Attached are the final results for the analytical groups listed below. These analyses were performed in accordance with the Analytical Support Branch's (ASB) Laboratory Operations and Quality Assurance Manual (ASB LOQAM) found at www.epa.gov/region4/sesd/asbsop. Any unique project data quality objectives specified in writing by the data requestor have also been incorporated into the data unless otherwise noted in the Report Narrative. Chemistry data have been verified based on the ASB LOQAM specifications and have been qualified by this laboratory if the applicable quality control criteria were not met. Verification is defined in Section 5.2 of the ASB LOQAM. For a listing of specific data qualifiers and explanations, please refer to the Data Qualifier Definitions included in this report. The reported results are accurate within the limits of the method(s) and are representative only of the samples as received by the laboratory.

Analyses Included in this report:	Method Used:	Accreditations:
Classical/Nutrient Analyses (CNA)		
Cyanide	EPA 335.4 (Soil)	ISO
Cyanide	EPA 335.4 (Water)	ISO

Sample Disposal Policy

Because of the laboratory's limited space for long term sample storage, our policy is to dispose of samples on a periodic schedule. Please note that within 60 days of this memo, the original samples and all sample extracts and/or sample digestates will be disposed of in accordance with applicable regulations. The 60-day sample disposal policy does not apply to criminal samples which are held until the laboratory is notified by the criminal investigators that case development and litigation are complete.

These samples may be held in the laboratory's custody for a longer period of time if you have a special project need. If you wish for the laboratory to hold samples beyond the 60-day period, please contact our Sample Control Coordinator, Debbie Colquitt, by e-mail at Colquitt.Debbie@epa.gov, and provide a reason for holding samples beyond 60 days

cc: Nardina Turner

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
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D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Roberta Howes

SAMPLES INCLUDED IN THIS REPORT

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID	Laboratory ID	Matrix	Date Collected	Date Received
GML-023-PB	E131406-01	Preservative Blank	4/3/13 12:00	4/4/13 10:02
GML-001-SD	E131406-02	Sediment	4/3/13 14:05	4/4/13 10:02
GML-002-SD	E131406-04	Sediment	4/3/13 14:20	4/4/13 10:02
GML-003-SD	E131406-06	Sediment	4/3/13 11:25	4/4/13 10:02
GML-004-SD	E131406-08	Sediment	4/3/13 11:45	4/4/13 10:02
GML-005-SD	E131406-10	Sediment	4/3/13 13:31	4/4/13 10:02
GML-006-SD	E131406-12	Sediment	4/3/13 11:10	4/4/13 10:02
GML-007-SD	E131406-14	Sediment	4/3/13 11:26	4/4/13 10:02
GML-008-SF	E131406-16	Surface Soil	4/3/13 12:30	4/4/13 10:02
GML-009-SF	E131406-17	Surface Soil	4/3/13 11:34	4/4/13 10:02
GML-010-SF	E131406-18	Surface Soil	4/3/13 11:45	4/4/13 10:02
GML-011-SF	E131406-19	Surface Soil	4/3/13 12:08	4/4/13 10:02
GML-012-SF	E131406-20	Surface Soil	4/3/13 12:15	4/4/13 10:02
GML-013-SF	E131406-21	Surface Soil	4/3/13 09:55	4/4/13 10:02
GML-014-SF	E131406-22	Surface Soil	4/3/13 10:10	4/4/13 10:02
GML-015-SF	E131406-23	Surface Soil	4/3/13 10:25	4/4/13 10:02
GML-016-SF	E131406-24	Surface Soil	4/3/13 12:42	4/4/13 10:02
GML-017-SF	E131406-25	Surface Soil	4/3/13 12:56	4/4/13 10:02
GML-019-GW	E131407-01	Groundwater	4/4/13 17:05	4/5/13 10:31
GML-020-GW	E131407-02	Groundwater	4/4/13 14:37	4/5/13 10:31
GML-021-GW	E131407-03	Groundwater	4/4/13 12:52	4/5/13 10:31

DATA QUALIFIER DEFINITIONS

U	The analyte was not detected at or above the reporting limit.
J	The identification of the analyte is acceptable; the reported value is an estimate.
QM-1	Matrix Spike Recovery less than method control limits

ACRONYMS AND ABBREVIATIONS

CAS Chemical Abstracts Service

Note: Analytes with no known CAS identifiers have been assigned codes beginning with "E", the EPA ID as assigned by the EPA Substance Registry System (www.epa.gov/srs), or beginning with "R4-", a unique identifier assigned by the EPA Region 4 laboratory.

ISO The test, if analyzed after June 26, 2012, is accredited under the EPA Region 4 ASB's ISO/IEC 17025 accreditation issued by ANSI-ASQ National Accreditation Board/ACLASS. Refer to certificate and scope of accreditation AT-1691.

MDL Method Detection Limit - The minimum concentration of a substance (an analyte) that can be measured and reported with a 99% confidence that the analyte concentration is greater than zero.

MRL Minimum Reporting Limit - Analyte concentration that corresponds to the lowest demonstrated level of acceptable quantitation. The MRL is sample-specific and accounts for preparation weights and volumes, dilutions, and moisture content of soil/sediments.

TIC Tentatively Identified Compound - An analyte identified based on a match with the instrument software's mass spectral library. A calibration standard has not been analyzed to confirm the compound's identification or the estimated concentration reported.

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Project: 13-0295, Greenwood Mills Liner Plt - Reported by Roberta Howes

Classical/Nutrient Analyses

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-023-PB
Station ID:
Lab ID: E131406-01
Matrix: Preservative Blank

Date Collected: 4/3/13 12:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
57-12-5	Cyanide (total)	15	U	ug/L	15	4/11/13 10:16	4/16/13 10:20	EPA 335.4

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Classical/Nutrient Analyses

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-001-SD
Station ID: GML001
Lab ID: E131406-02
Matrix: Sediment

Date Collected: 4/3/13 14:05

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
57-12-5	Cyanide (total)	1.1	U	mg/kg dry	1.1	4/12/13 10:36	4/16/13 11:08	EPA 335.4

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Classical/Nutrient Analyses

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-002-SD
Station ID: GML002
Lab ID: E131406-04
Matrix: Sediment

Date Collected: 4/3/13 14:20

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
57-12-5	Cyanide (total)	1.4	U	mg/kg dry	1.4	4/12/13 10:36	4/16/13 11:08	EPA 335.4

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Classical/Nutrient Analyses

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-003-SD
Station ID: GML003
Lab ID: E131406-06
Matrix: Sediment

Date Collected: 4/3/13 11:25

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
57-12-5	Cyanide (total)	1.4	U	mg/kg dry	1.4	4/12/13 10:36	4/16/13 11:08	EPA 335.4

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Classical/Nutrient Analyses

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-004-SD
Station ID: GML004
Lab ID: E131406-08
Matrix: Sediment

Date Collected: 4/3/13 11:45

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
57-12-5	Cyanide (total)	1.6	U	mg/kg dry	1.6	4/12/13 10:36	4/16/13 11:08	EPA 335.4

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Classical/Nutrient Analyses

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-005-SD
Station ID: GML005
Lab ID: E131406-10
Matrix: Sediment

Date Collected: 4/3/13 13:31

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
57-12-5	Cyanide (total)	0.86	U	mg/kg dry	0.86	4/12/13 10:36	4/16/13 11:08	EPA 335.4

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Classical/Nutrient Analyses

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-006-SD
Station ID: GML006
Lab ID: E131406-12
Matrix: Sediment

Date Collected: 4/3/13 11:10

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
57-12-5	Cyanide (total)	0.89	U	mg/kg dry	0.89	4/12/13 10:36	4/16/13 11:08	EPA 335.4

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Classical/Nutrient Analyses

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-007-SD
Station ID: GML007
Lab ID: E131406-14
Matrix: Sediment

Date Collected: 4/3/13 11:26

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
57-12-5	Cyanide (total)	0.87	U	mg/kg dry	0.87	4/12/13 10:36	4/16/13 11:08	EPA 335.4

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D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Roberta Howes

Classical/Nutrient Analyses

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-008-SF
Station ID: GML008
Lab ID: E131406-16
Matrix: Surface Soil

Date Collected: 4/3/13 12:30

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
57-12-5	Cyanide (total)	0.84	U	mg/kg dry	0.84	4/12/13 10:36	4/16/13 11:08	EPA 335.4

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Classical/Nutrient Analyses

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-009-SF
Station ID: GML009
Lab ID: E131406-17
Matrix: Surface Soil

Date Collected: 4/3/13 11:34

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
57-12-5	Cyanide (total)	1.3	U	mg/kg dry	1.3	4/12/13 10:36	4/16/13 11:08	EPA 335.4

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Classical/Nutrient Analyses

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-010-SF
Station ID: GML010
Lab ID: E131406-18
Matrix: Surface Soil

Date Collected: 4/3/13 11:45

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
57-12-5	Cyanide (total)	1.2		mg/kg dry	0.76	4/12/13 10:36	4/16/13 11:08	EPA 335.4

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Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 13-0295
Project: 13-0295, Greenwood Mills Liner Plt - Reported by Roberta Howes

Classical/Nutrient Analyses

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-011-SF
Station ID: GML011
Lab ID: E131406-19
Matrix: Surface Soil

Date Collected: 4/3/13 12:08

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
57-12-5	Cyanide (total)	0.75	U	mg/kg dry	0.75	4/15/13 10:11	4/16/13 13:57	EPA 335.4

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Classical/Nutrient Analyses

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-012-SF
Station ID: GML012
Lab ID: E131406-20
Matrix: Surface Soil

Date Collected: 4/3/13 12:15

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
57-12-5	Cyanide (total)	0.84	U	mg/kg dry	0.84	4/15/13 10:11	4/16/13 13:57	EPA 335.4

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Classical/Nutrient Analyses

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-013-SF
Station ID: GML013
Lab ID: E131406-21
Matrix: Surface Soil

Date Collected: 4/3/13 9:55

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
57-12-5	Cyanide (total)	0.75	U	mg/kg dry	0.75	4/15/13 10:11	4/16/13 13:57	EPA 335.4

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Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-014-SF
Station ID: GML014
Lab ID: E131406-22
Matrix: Surface Soil

Date Collected: 4/3/13 10:10

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
57-12-5	Cyanide (total)	0.86	U	mg/kg dry	0.86	4/15/13 10:11	4/16/13 13:57	EPA 335.4

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Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-015-SF
Station ID: GML015
Lab ID: E131406-23
Matrix: Surface Soil

Date Collected: 4/3/13 10:25

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
57-12-5	Cyanide (total)	0.76	U	mg/kg dry	0.76	4/15/13 10:11	4/16/13 13:57	EPA 335.4

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Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-016-SF
Station ID: GML016
Lab ID: E131406-24
Matrix: Surface Soil

Date Collected: 4/3/13 12:42

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
57-12-5	Cyanide (total)	0.89	U	mg/kg dry	0.89	4/15/13 10:11	4/16/13 13:57	EPA 335.4

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Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-017-SF
Station ID: GML017
Lab ID: E131406-25
Matrix: Surface Soil

Date Collected: 4/3/13 12:56

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
57-12-5	Cyanide (total)	0.80	U	mg/kg dry	0.80	4/15/13 10:11	4/16/13 13:57	EPA 335.4

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Classical/Nutrient Analyses

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-019-GW
Station ID: GML019
Lab ID: E131407-01
Matrix: Groundwater

Date Collected: 4/4/13 17:05

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
57-12-5	Cyanide (total)	15	U, J, QM-1	ug/L	15	4/11/13 10:16	4/16/13 10:20	EPA 335.4

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Classical/Nutrient Analyses

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-020-GW
Station ID: GML020
Lab ID: E131407-02
Matrix: Groundwater

Date Collected: 4/4/13 14:37

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
57-12-5	Cyanide (total)	15	U	ug/L	15	4/11/13 10:16	4/16/13 10:20	EPA 335.4

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Classical/Nutrient Analyses

Project: 13-0295, Greenwood Mills Liner Plt

Sample ID: GML-021-GW
Station ID: GML021
Lab ID: E131407-03
Matrix: Groundwater

Date Collected: 4/4/13 12:52

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
57-12-5	Cyanide (total)	15	U	ug/L	15	4/11/13 10:16	4/16/13 10:20	EPA 335.4