



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 4**

Science and Ecosystem Support Division  
Enforcement and Investigations Branch  
980 College Station Road  
Athens, Georgia 30605-2720

December 08, 2010

**4SESD-EIB**

**MEMORANDUM**

**SUBJECT:** Final Report Walter Energy, Inc. (a.k.a. Sloss Industries and Walter Coke)  
Birmingham, Alabama 35207  
SESD Project #10-0656

**FROM:** Kevin Simmons, Life Scientist *KS*  
Enforcement Section

**THRU:** Laura Ackerman, Chief *LA*  
Enforcement Section

**TO:** James H Smith, PG  
RCRA Division

Attached is the final report for the Walter Energy, Inc. sampling investigation conducted September 22-24, 2010 in Birmingham Alabama. This report supersedes the draft data report issued on November 10, 2010. Please send questions or comments to Kevin Simmons at [simmons.kevin@epa.gov](mailto:simmons.kevin@epa.gov) or 706.355.8730.

Attachment



United States Environmental Protection Agency  
Region 4

Science and Ecosystem Support Division  
980 College Station Road  
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**Sampling Investigation Report**

**Walter Energy, Inc.**

**(a.k.a. Walter Coke and Sloss Industries)**

**Birmingham, Alabama**

**Conducted September 22-24, 2010**

**Report Issued December 08, 2010**

**SESD Project Identification Number: 10-0656**

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## Title and Approval Sheet

Title: Final Report

Sampling Investigation Report for Walter Energy, Inc. (a.k.a. Walter Coke and Sloss Industries)

### Approving Official:



Laura Ackerman, Chief  
RCRA & Water Section  
Enforcement & Investigations Branch

12/08/10  
Date

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12/8/10  
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## Introduction

During the week of September 22, 2010 representatives of the US EPA Region 4 Science and Ecosystem Support Division (SESD) and US EPA RCRA Division, conducted a sampling investigation in and around the Robinwood Neighborhood in relation to the Walter Energy facility in Birmingham, Alabama. The investigation was requested by the Region 4 RCRA Division, Corrective Action Section. The following personnel participated in the investigation:

<u>NAME</u>	<u>ORGANIZATION</u>	<u>DUTIES</u>
Karen Knight	US EPA RCRA	Chief, Corrective Action Section
Jim Smith	US EPA RCRA	Corrective Action Specialist, (PM)
Meredith Anderson	US EPA RCRA	Engineer
Kevin Simmons	US EPA SESD	Project Leader

## Background

The Walter Energy Inc. facility is located at 3500 35<sup>th</sup> Ave. N., Birmingham, Alabama. Walter Energy manufacturer of coke from coal obtained from mines in the Birmingham area and the Black Warrior Basin in west Alabama, and the central Appalachians. Based on USGS data, these coals have arsenic levels as high as 1500 mg/kg. Onsite soils have arsenic as high as 220 mg/kg. Coke production also releases volatile metal compounds into the atmosphere.

Polycyclic Aromatic Hydrocarbons (PAHs) are derived from coal as a raw material from coal piles and from roads onsite, stack emissions, coke oven emissions, etc. The PAHs are distributed across the site and offsite as blown particulates and as soot.

The Birmingham area has been heavily industrialized for many decades which has contributed to the overall anthropogenic contamination of the nearby neighborhoods.

The Harriman Park, Collegeville and Fairmont neighborhoods are of particular concern due to their proximity to Walter Coke. Arsenic and Polycyclic Aromatic Hydrocarbons (PAHs) have been detected in the soil in these neighborhoods. It is Walter Coke's position that the PAHs and arsenic detected in these neighborhoods are the result of years of contribution from multiple sources, both non-industrial and industrial since arsenic is also naturally occurring in the rock and soil.

The goal of this study is to provide additional data to aid in determining a "background" concentration for arsenic and benzo[a]pyrene toxic equivalent (BaP TEQ) in soils in the vicinity of the facility.



## Soil Sample Selection Sites and Site Geology

The purpose of the study is to assess the soil in residential neighborhoods that are similar to those adjacent to Walter Energy's Coke Plant but outside the influence of coke production. The Robinwood Community are very similar in home construction and age. Residents report burning coal for home heating and coal storage. This would provide an anthropogenic source for PAHs and arsenic. Homes with asphalt shingles, asphalt roads, and burn pits or burn barrels offer other sources for PAHs. Burn Pits were more numerous in the Robinwood Area than in the communities surrounding Walter Energy. There were also abundant bar-b-que grills and pits. A rail road line also passes through the community and may provide PAHs and arsenic contamination from coal cars or historically from locomotives.

The geology of the Walter Energy is complex with different rock types exposed as a result of faulting in the Opossum Valley Fault Zone. The fault zone strikes from southwest to northeast. The foot wall of the fault lies to the west under Sand Mountain. The rocks squeezed between to two faults in the fault zone are Pennsylvanian age sandstone of the Pottsville Formation; Mississippian age rocks of shale, chert, limestone and sandstones (Fort Payne Formation, Tuscumbia Limestone, and Hartselle Sandstone, Floyd Shale); and Silurian age red beds (Red Mountain Formation) in the northwest corner of the facility at SWMU #22 Polishing Pond. The majority of the site overlies Cambrian age rocks of the Conasauga limestone on the hang wall side of the fault east of the Polishing Pond. This includes a portion of the BTF Area, Land Disposal SWMUs, Coke Operations, Former Chemical plant operations and Raw Material Coal Pile. The residential communities of Harriman Park and Collegeville overlie the Conasauga Formation while the Fairmont Community overlies the Conasauga west of Riggins School until contact with the Opossum Valley Fault. The community overlies Cambrian/Ordovician Knox Formation and Red Mountain Formation (Geologic Map of Birmingham North 7.5 minute Quadrangle, Jefferson County, Alabama, 2006).

The geology of the Robinwood Area is similar to that of the Walter Energy site. The Conasauga Formation is present under half of the Robinwood community west of HWY 75 and is in contact with the Ketona Dolomite extending to the east. The Ketona Dolomite is in contact with Chepultepec and Copper Ridge Dolomite on the east side of HWY 79. Soil samples taken in soils overlying these formations may provide accurate information for inorganic arsenic under naturally occurring conditions (Figures 1 and 2). Source maps for Figures 1 and 2 are the Geology Map of Irondale 7.5 Minute Quadrangle, Jefferson County, Alabama, 2008. Geology Map of Pinson 7.5 Minute Quadrangle. Geologic Map of Birmingham North 7.5 Minute Quadrangle, Jefferson County, Alabama, 2006. Geologic Map of Gardendale 7.7 Minute Quadrangle, Jefferson County, Alabama.

In the Robinwood Community, 11 surficial soil samples were taken in soils overlying the Conasauga Formation, eight surficial soil samples were taken in soils overlying the Ketona Dolomite and two samples were taken in soils overlying the Chepultepec and Copper Ridge Dolomites.



## Summary

Twenty (20) sample locations were selected and sampled in and around the Robinwood area ranging from 4.5 to 9 miles northeast of Walter Coke. Samples were labeled WC01-WC21 with a SF (surface soil) or SB (subsurface soil) suffix designation. Sample WC-08 was not collected due to a large amount of coal fragments in the soil throughout the yard. The residents indicated that coal was stored in a significant portion of the yard in years past. This area was chosen based on minimal heavy industry for the location, a residential population and geology similar to the Walter Coke site.

Each sample station consisted of a surface soil sample comprised of a 3 to 5 point aliquot from 0"- 6". A subsurface grab sample from approximately 24" – 36" below ground surface was collected at eight (8) of the stations. The subsurface sample locations were determined in the field based on the ability to auger from 24"-36" and to distribute the subsurface samples collected throughout the sample area. The subsurface samples consisted of a one point grab sample collected from one of the aliquots where the 24" to 36" depth could be obtained.

Arsenic and PAH analysis was performed on each surface soil sample and arsenic only on the subsurface samples. Additionally, the surface soil samples were analyzed for arsenic both sieved and un-sieved and the subsurface soil samples were analyzed un-sieved only. The samples were sieved by the SESD laboratory using a #60 (250 micron) sieve prior to analysis. The PAH samples were analyzed un-sieved. **Figures 1 and 2** show the sample locations and associated geology.

## Discussion of Site Activities

EPA personnel conducted sampling on September 22-24, 2010. Property access authorizations were obtained for each property sampled. Numerous properties were owned by Billie McAndrews, who granted permission to sample several of them. An explanation was given to the tenant or resident of each home, if present, before sampling the property. Each sample location is described below and **Table 1** lists the sample locations and potential PAH sources observed in the field. The GPS coordinates were downloaded from a Garmin GPS 76 CSx and are displayed to eight decimal places. The coordinates recorded in the logbook are shown to five decimal places because the GPS unit displays only five decimal places.



**Table 1: Sample Locations**

Sample ID	Location	Potential PAH Sources	Latitude	Longitude
WC01-SF	Rusk Trailer Park	Asphalt road, parked vehicles	33.64761773	-86.72200413
WC01-SB	"	"	33.64761773	-86.72200413
WC02-SF	9908 Pape - Dr Ruth Strong residence	Asphalt driveway	33.59868377	-86.73523782
WC03-SF	221 3rd St Robinwood Grocery Store	Asphalt parking lot, glass, asphalt clumps, concrete debris in soil, burned coal	33.61027468	-86.74929108
WC03-SB	"	"	33.61027468	-86.74929108
WC04-SF	201 10th St	Asphalt shingles, burn pit, near RR track	33.61698062	-86.74995041
WC04-SB	"	"	33.61698062	-86.74995041
WC05-SF	204 10th St	Asphalt shingles, shingle & coal fragments in yard, RR	33.61722697	-86.74990229
WC06-SF	9 8th St	Asphalt shingles, burned house X-street, chimney, RR	33.61519645	-86.75185285
WC06-SB	"	"	33.61519645	-86.75185285
WC07-SF	102 11th St	Burn area, 2 of 3 houses have asphalt shingles	33.61814654	-86.75082623
WC07-SB	"	"	33.61814654	-86.75082623
WC09-SF	301 6th St	Chimney	33.61095864	-86.74542275
WC10-SF	604 5th St	Small engine repair area, trash burning area	33.61251692	-86.74530507
WC11-SF	401 4th St	Asphalt shingles, chimney	33.61138729	-86.74756190
WC12-SF	314 7th St	Old coal house in backyard, asphalt shingles	33.61429774	-86.74813027
WC13-SF	405 10th St	Asphalt shingles	33.61708489	-86.74738512
WC14-SF	Jefferson State Community College Park	10 BBQ pits, charcoal	33.66423000	-86.70298727
WC14-SB	"	"	33.66423000	-86.70298727
WC15-SF	105 11th St	Asphalt shingles, chimney, oil stain in yard	33.61803104	-86.75091106
WC16-SF	22 11th St	Asphalt shingles, chimney	33.61813263	-86.75126921
WC17-SF	102 12th St	Asphalt shingles, neighbors with burn area	33.61908683	-86.75078826
WC17-SB	"	"	33.61908683	-86.75078826
WC18-SF	108 12th St	Asphalt shingles, 2 burn areas	33.61902312	-86.75058114
WC19-SF	4 12th St	Asphalt shingles, creosote pole, near RR tracks	33.61916059	-86.74706602
WC19-SB	4 12th St	"	33.61916059	-86.74706602
WC20	19 12 St	Asphalt shingles, burn barrel, parked cars in front yard	33.61867913	-86.75113812
WC21	115 4th St	Chimney	33.61145787	-86.75031544



**WC01-SF** was a 5-point composite collected at the Rusk Trailer Park in the clothes hanging area near the center of the park. The trailer park owner indicated that the area sampled had remained the same since about 1950. The area consisted of light brown loam soil with small rock fragments. Sample **WC01-SB** was collected from 2'-3' at the center aliquot and was a silty, clayey soil.

**WC02-SF** was a 4-point composite collected at the home of Dr. Ruth Strong. Two sample points were taken from the front yard and two from the back. Soil was a light to medium brown, loam with chert fragments scattered throughout the yard. A subsurface sample was attempted, but could only auger to approximately one foot.

**WC03-SF** was a 4-point composite collected at the Robinwood Grocery Store. The surface soil aliquots contained chert, bits of glass, concrete, asphalt and other debris which indicated possible fill dirt. The soil was dark gray to sandy brown with chert fragments. **WC03-SB** was collected at approximately 19" due to refusal and was a gray, brown loam with chert fragments and other pieces of debris.

**WC04-SF** was a 5-point composite collected from a lot with a vacant house and overgrown with vegetation. Soil was a rich, dark brown loam with little to no rocks or debris. The lot had evidence of a burn pit and bordered the railroad track. **WC04-SB** was collected from the 2'-3' depth, approximately 60' from the railroad track with a reddish-brown loam soil transitioning to an orange-brown clayey soil from 2'-3'.

**WC05-SF** was a 5-point composite with medium brown soil with rounded pebble quartz and a few fragments of coal and refractory glass.

**WC06-SF** was a 5-point composite with light to medium brown to orange-brown soil with little to no rock fragments. Property was bordered on the east by the railroad track and on the west by a business which used heavy equipment. **WC06-SB** was collected from 2'-3' and consisted of a light brown soil grading to plastic, orange clay from 0.5'-2'.

**WC07-SF** consisted of a 5-point composite across three small lots, each with a house. Soil was light brown with some chert fragments. **WC07-SB** was collected from 2'-3' and consisted of dry, friable, orange clay with small rock fragments, some chert and possible small (approximately one-eighth inch diameter) round iron oxide pellets.

**WC08-SF** was a 5-point composite which contained coal fragments and was deemed not suitable for a background sample. This sample was rejected and not submitted for analysis.

**WC09-SF** was a 5-point composite of light to medium-brown soil with fragments of dolomite. Property lies between Hwy 79 and 6<sup>th</sup> Avenue.

**WC10-SF** was a 5-point composite from a lot that previously had a trash burning area, numerous gasoline powered mowers and previously had a garden along the back fence. The soil was light to medium-brown with some chert and slag fragments.



**WC11-SF** was a 5-point composite consisting of light to medium brown soil. A pump station was located on the northeast corner of the property.

**WC12-SF** was a 5-point composite collected in a lot with dolomitic rock containing limestone intraclasts and a rock outcrop of white calcite. The soil was a light to medium brown soil with chert and a few, small coal fragments.

**WC13-SF** consisted of a 5-point composite of light brown to medium brown soil with some glass and porcelain fragments. Attempted a subsurface soil sample, but soil was too hard to auger beyond 1.5 feet.

**WC14-SF** was a 5-point composite collected at the Jefferson State Community College Park next to Hwy 79. The aliquots contained mainly an orange-brown fine soil with some chert fragments. The area consisted of mainly large pines, 2 to 3 feet in diameter. Several charcoal grills were located throughout the park at the picnic tables. **WC14-SB** was collected from 2'-3' and was an orange-brown soil with chert fragments.

**WC15-SF** was a 5-point composite consisting of light brown soil with limestone rock fragments.

**WC16-SF** was a 4-point composite of medium brown soil with rock fragments. A fifth aliquot was not collected due to many potential anthropogenic influences such as abandoned cars.

**WC17-SF** was a 5-point composite of reddish brown clay soil with some glass fragments. **WC17-SB** was collected from 2'-3' and consisted of reddish orange clay with iron or manganese nodules.

**WC18-SF** consisted of a 5-point composite of light to medium brown and reddish brown soil with rock fragments and one piece of plastic jewelry. The area had two obvious burn areas, one of which was in use.

**WC19-SF** was a 5-point composite consisting of light tan and light gray soil with some white glass fragments. A duplicate sample, **WC19-SFD**, was collected by moving one foot north of each previous aliquot and collecting the five aliquots again. **WC19-SB** was collected from 2'-3' and was yellowish brown dry, brittle clay with rock fragments.

**WC20-SF** was a 5-point composite of orange brown soil and clumpy brown soil. The 35 year resident informed us that the property had been filled in with foundry dirt many years ago.

**WC21-SF** was a 5-point composite consisting of orange clay, light brown, tan and darker brown soils with rock fragments. A rock outcrop on the property had a fine sugary texture to it.



## Investigation Results

The highest BaP TEQ was at Station WC03, the Robinwood Store at 1144.57 ug/kg. Five stations (WC02, WC06, WVC07, WC11, and WC14) had TEQs less than 5 ug/kg. Four of those stations (WC02, WC07, WC11, and WC14) had no PAH analyte result over the minimum reporting limit (MRL).

In *Provisional Guidance for Quantitative Risk Assessment of Polycyclic Aromatic Hydrocarbons* (EPA/600/R-93/089, July 1993) and regional guidance, EPA recommends that a toxicity equivalency factor (TEF) be used to convert concentrations of carcinogenic polycyclic aromatic hydrocarbons (cPAHs) to an equivalent concentration of benzo(a)pyrene when assessing the risks posed by these substances. These TEFs are based on the potency of each compound relative to that of benzo(a)pyrene.

**Table 2** lists the TEFs for carcinogenic PAHs used in calculating the BaP TEQ for each sample.

**Table 2: TEFs for PAHs**

Compound	TEF
Benzo(a)pyrene	1.0
Benz(a)anthracene	0.1
Benzo(b)fluoranthene	0.1
Benzo(k)fluoranthene	0.01
Chrysene	0.001
Dibenz(a,h)anthracene	1.0
Indeno(1,2,3-c,d)pyrene	0.1

*Provisional Guidance for Quantitative Risk Assessment of Polycyclic Aromatic Hydrocarbons* (EPA/600/R-93/089, July 1993)

**Table 3** lists the PAH results and calculated BaP TEQs for each surface soil sample. For analytes with a result less than the MRL, one-half of the minimum detection limit (MDL) was used in the BaP TEQ calculation. The MDLs were obtained from the SESD laboratory and are highlighted in blue and the laboratory results are yellow.



**Table 3: PAH Results/BaP TEQs for Surface Soil Samples**

Station ID Sample ID Sample Date Sample Time		WC01 WC01-SF 09/22/2010 13:40	WC02 WC02-SF 09/22/2010 15:00	WC03 WC03-SF 09/22/2010 16:50	WC04 WC04-SF 09/23/2010 09:00	WC05 WC05-SF 09/23/2010 09:50	WC06 WC06-SF 09/23/2010 10:15	WC07 WC07-SF 09/23/2010 12:00	WC09 WC09-SF 09/23/2010 14:55
Analyte	Units								
2-Methylnaphthalene	ug/kg dry	< 37 U	< 36 U	180	39	< 36 U	< 36 U	< 36 U	45
Acenaphthene	ug/kg dry	< 37 U	< 36 U	52	< 36 U	< 36 U	< 36 U	< 36 U	< 36 U
Acenaphthylene	ug/kg dry	< 37 U	< 36 U	< 36 U	< 36 U	< 36 U	< 36 U	< 36 U	< 36 U
Anthracene	ug/kg dry	< 37 U	< 36 U	140	65	< 36 U	< 36 U	< 36 U	80
Benzo(a)anthracene*	ug/kg dry	1.85	1.8	670	280	53	1.8	1.8	620
Benzo(a)pyrene*	ug/kg dry	1.9	1.85	670	190	45	1.85	1.85	530
Benzo(b)fluoranthene*	ug/kg dry	2.7	2.6	920	250	65	2.65	2.65	650
Benzo(g,h,i)perylene	ug/kg dry	< 37 U	< 36 U	660	120	41	38	< 36 U	330
Benzo(k)fluoranthene*	ug/kg dry	1.95	1.9	680	210	48	1.9	1.9	510
Chrysene*	ug/kg dry	59	1.8	770	310	75	40	1.8	770
Dibenzo(a,h)anthracene*	ug/kg dry	2.35	2.3	250	41	2.3	2.35	2.3	150
Fluoranthene	ug/kg dry	44	< 36 U	1100	480	87	< 36 U	< 36 U	1600
Fluorene	ug/kg dry	< 37 U	< 36 U	49	< 36 U	< 36 U	< 36 U	< 36 U	55
Indeno (1,2,3-cd) pyrene*	ug/kg dry	2.15	2.05	580	110	2.05	2.1	2.1	320
Naphthalene	ug/kg dry	< 37 U	< 36 U	110	38	< 36 U	< 36 U	< 36 U	100
Phenanthrene	ug/kg dry	< 37 U	< 36 U	740	350	50	< 36 U	< 36 U	750
Pyrene	ug/kg dry	51	< 36 U	1100	470	74	< 36 U	< 36 U	1400
<b>BaP TEQ (Calculated)</b>	<b>ug/kg</b>	<b>4.9985</b>	<b>4.8158</b>	<b>1144.57</b>	<b>297.41</b>	<b>59.86</b>	<b>4.914</b>	<b>4.8258</b>	<b>844.87</b>

\* Used to calculate BaP TEQs



**Table 3: PAH Results/BaP TEQs for Surface Soil Samples (continued)**

Station ID Sample ID Sample Date Sample Time		WC10 WC10-SF 09/23/2010 15:55	WC11 WC11-SF 09/23/2010 16:50	WC12 WC12-SF 09/23/2010 17:30	WC13 WC13-SF 09/23/2010 18:25	WC14 WC14-SF 09/24/2010 07:50	WC15 WC15-SF 09/24/2010 09:20	WC16 WC16-SF 09/24/2010 09:55	WC17 WC17-SF 09/24/2010 10:20
Analyte	Units								
2-Methylnaphthalene	ug/kg dry	88	< 36 U	42	< 37 U	< 37 U	78	< 36 U	< 37 U
Acenaphthene	ug/kg dry	< 35 U	< 36 U	38	< 37 U	< 37 U	< 36 U	< 36 U	< 37 U
Acenaphthylene	ug/kg dry	< 35 U	< 36 U	< 37 U	< 37 U	< 37 U	< 36 U	< 36 U	< 37 U
Anthracene	ug/kg dry	< 35 U	< 36 U	94	< 37 U	< 37 U	49	< 36 U	< 37 U
Benzo(a)anthracene*	ug/kg dry	110	1.8	430	1.85	1.85	330	1.8	42
Benzo(a)pyrene*	ug/kg dry	140	1.85	340	1.9	1.9	330	1.85	42
Benzo(b)fluoranthene*	ug/kg dry	200	2.65	440	2.7	2.7	500	48	70
Benzo(g,h,i)perylene	ug/kg dry	140	< 36 U	230	< 37 U	< 37 U	240	< 36 U	38
Benzo(k)fluoranthene*	ug/kg dry	120	1.9	300	1.95	1.95	360	38	48
Chrysene*	ug/kg dry	170	1.8	510	51	1.85	480	56	75
Dibenzo(a,h)anthracene*	ug/kg dry	49	2.3	100	2.4	2.35	37	2.3	2.35
Fluoranthene	ug/kg dry	110	< 36 U	910	64	< 37 U	520	62	72
Fluorene	ug/kg dry	< 35 U	< 36 U	< 37 U	< 37 U	< 37 U	< 36 U	< 36 U	< 37 U
Indeno (1,2,3-cd) pyrene*	ug/kg dry	130	2.1	240	2.15	2.1	200	2.1	2.1
Naphthalene	ug/kg dry	56	< 36 U	39	< 37 U	< 37 U	87	< 36 U	< 37 U
Phenanthrene	ug/kg dry	100	< 36 U	510	< 37 U	< 37 U	260	< 36 U	< 37 U
Pyrene	ug/kg dry	140	< 36 U	860	59	< 37 U	700	60	70
<b>BaP TEQ (Calculated)</b>	<b>ug/kg</b>	<b>234.37</b>	<b>4.8258</b>	<b>554.51</b>	<b>5.0405</b>	<b>4.93635</b>	<b>474.08</b>	<b>9.776</b>	<b>56.315</b>

\* Used to calculate BaP TEQs



**Table 3: PAH Results/BaP TEQs for Surface Soil Samples (continued)**

Station ID Sample ID Sample Date Sample Time		WC18 WC18-SF 09/24/2010 11:30	WC19 WC19-SF 09/24/2010 12:50	WC19 WC19-SFD 09/24/2010 13:15	WC20 WC20-SF 09/24/2010 14:20	WC21 WC21-SF 09/24/2010 14:55
Analyte	Units					
2-Methylnaphthalene	ug/kg dry	< 36 U	< 37 U	< 37 U	< 36 U	< 36 U
Acenaphthene	ug/kg dry	< 36 U	40	< 37 U	< 36 U	< 36 U
Acenaphthylene	ug/kg dry	< 36 U	< 37 U	< 37 U	< 36 U	< 36 U
Anthracene	ug/kg dry	< 36 U	100	< 37 U	< 36 U	< 36 U
Benzo(a)anthracene*	ug/kg dry	62	240	51	1.8	53
Benzo(a)pyrene*	ug/kg dry	110	160	47	1.85	56
Benzo(b)fluoranthene*	ug/kg dry	160	190	61	42	80
Benzo(g,h,i)perylene	ug/kg dry	100	85	< 37 U	< 36 U	44
Benzo(k)fluoranthene*	ug/kg dry	98	150	42	1.9	63
Chrysene*	ug/kg dry	110	250	72	57	92
Dibenzo(a,h)anthracene*	ug/kg dry	52	53	2.35	2.3	2.3
Fluoranthene	ug/kg dry	66	590	97	66	150
Fluorene	ug/kg dry	< 36 U	51	< 37 U	< 36 U	< 36 U
Indeno (1,2,3-cd) pyrene*	ug/kg dry	100	87	2.15	2.1	39
Naphthalene	ug/kg dry	< 36 U	< 37 U	< 37 U	< 36 U	< 36 U
Phenanthrene	ug/kg dry	< 36 U	350	55	< 36 U	83
Pyrene	ug/kg dry	74	420 J,O	74	57	120
<b>BaP TEQ (Calculated)</b>	<b>ug/kg</b>	<b>195.29</b>	<b>266.45</b>	<b>61.257</b>	<b>8.816</b>	<b>76.222</b>

\* Used to calculate BaP TEQs



**Table 4** contains the non-detect PAH, below the MRL and **Table 5** contains the results above the MRL for all surface soil samples with comparison to the *Regional Screening Levels for Chemical Contaminants in Residential Soil at Superfund Sites December 2009* (RSL RES SOIL) and the *Residential Risk-based Screening Levels for Chemical Contaminants in Soil at Superfund Sites December 2009* (RSL RISK SSL).

Stations WC02, WC07, WC11, and WC14 are shown in **Table 4** because no PAH analyte was detected above the MRL. In **Table 5**, PAH analytes with results that exceed either screening level are highlighted in yellow. Results that exceed either or both screening levels are in bold type.

**Table 4: Non-Detect PAH Results for Surface Soil Samples**

Analyte	Units	Station ID	WC02	WC07	WC11	WC14
		Sample ID	WC02-SF	WC07-SF	WC11-SF	WC14-SF
		Sample Date	09/22/2010	09/23/2010	09/23/2010	09/24/2010
		Sample Time	15:00	12:00	15:55	07:30
2-Methylnaphthalene	ug/kg dry		< 36 U	< 36 U	< 36 U	< 37 U
Acenaphthene	ug/kg dry		< 36 U	< 36 U	< 36 U	< 37 U
Acenaphthylene	ug/kg dry		< 36 U	< 36 U	< 36 U	< 37 U
Anthracene	ug/kg dry		< 36 U	< 36 U	< 36 U	< 37 U
Benzo(a)anthracene	ug/kg dry		< 36 U	< 36 U	< 36 U	< 37 U
Benzo(a)pyrene	ug/kg dry		< 36 U	< 36 U	< 36 U	< 37 U
Benzo(b)fluoranthene	ug/kg dry		< 36 U	< 36 U	< 36 U	< 37 U
Benzo(g,h,i)perylene	ug/kg dry		< 36 U	< 36 U	< 36 U	< 37 U
Benzo(k)fluoranthene	ug/kg dry		< 36 U	< 36 U	< 36 U	< 37 U
Chrysene	ug/kg dry		< 36 U	< 36 U	< 36 U	< 37 U
Dibenzo(a,h)anthracene	ug/kg dry		< 36 U	< 36 U	< 36 U	< 37 U
Fluoranthene	ug/kg dry		< 36 U	< 36 U	< 36 U	< 37 U
Fluorene	ug/kg dry		< 36 U	< 36 U	< 36 U	< 37 U
Indeno (1,2,3-cd) pyrene	ug/kg dry		< 36 U	< 36 U	< 36 U	< 37 U
Naphthalene	ug/kg dry		< 36 U	< 36 U	< 36 U	< 37 U
Phenanthrene	ug/kg dry		< 36 U	< 36 U	< 36 U	< 37 U
Pyrene	ug/kg dry		< 36 U	< 36 U	< 36 U	< 37 U



**Table 5: PAH Results for Surface Soil Samples**

				Station ID Sample ID Date Time	WC01 WC01-SF 09/22/2010 13:40	WC03 WC03-SF 09/22/2010 16:50	WC04 WC04-SF 09/23/2010 09:00	WC05 WC05-SF 09/23/2010 09:50	WC06 WC06-SF 09/23/2010 10:15	WC09 WC09-SF 09/23/2010 14:55
Analyte	Units	RSL RES SOIL	RSL RISK SSL							
2-Methylnaphthalene	ug/kg dry	310000	750	-	180	39	-	-	-	45
Acenaphthene	ug/kg dry	3400000	22000	-	52	-	-	-	-	-
Anthracene	ug/kg dry	17000000	360000	-	140	65	-	-	-	80
Benzo(a)anthracene	ug/kg dry	<b>150</b>	<b>10</b>	-	<b>670</b>	<b>280</b>	<b>53</b>	-	-	<b>620</b>
Benzo(a)pyrene	ug/kg dry	<b>15</b>	<b>3.5</b>	-	<b>670</b>	<b>190</b>	<b>45</b>	-	-	<b>530</b>
Benzo(b)fluoranthene	ug/kg dry	<b>150</b>	<b>35</b>	-	<b>920</b>	<b>250</b>	<b>65</b>	-	-	<b>650</b>
Benzo(g,h,i)perylene	ug/kg dry	-	-	-	660	120	41	38	-	330
Benzo(k)fluoranthene	ug/kg dry	1500	<b>350</b>	-	<b>680</b>	210	48	-	-	<b>510</b>
Chrysene	ug/kg dry	15000	1100	59	770	310	75	40	-	770
Dibenzo(a,h)anthracene	ug/kg dry	<b>15</b>	<b>11</b>	-	<b>250</b>	<b>41</b>	-	-	-	<b>150</b>
Fluoranthene	ug/kg dry	2300000	160000	44	1100	480	87	-	-	1600
Fluorene	ug/kg dry	2300000	27000	-	49	-	-	-	-	55
Indeno (1,2,3-cd) pyrene	ug/kg dry	<b>150</b>	<b>120</b>	-	<b>580</b>	110	-	-	-	<b>320</b>
Naphthalene	ug/kg dry	3600	<b>0.47</b>	-	<b>110</b>	<b>38</b>	-	-	-	<b>100</b>
Phenanthrene	ug/kg dry	-	-	-	740	350	50	-	-	750
Pyrene	ug/kg dry	1700000	120000	51	1100	470	74	-	-	1400



**Table 5: PAH Results for Surface Soil Samples (continued)**

				Station ID Sample ID Date Time	WC10 WC10-SF 09/23/2010 15:55	WC12 WC12-SF 09/23/2010 17:30	WC13 WC13-SF 09/23/2010 18:25	WC15 WC15-SF 09/24/2010 09:20	WC16 WC16-SF 09/24/2010 09:55	WC17 WC17-SF 09/24/2010 10:20
Analyte	Units	RSL RES SOIL	RSL RISK SSL							
2-Methylnaphthalene	ug/kg dry	310000	750	88	42	-	78	-	-	-
Acenaphthene	ug/kg dry	3400000	22000	-	38	-	-	-	-	-
Anthracene	ug/kg dry	17000000	360000	-	94	-	49	-	-	-
Benzo(a)anthracene	ug/kg dry	<b>150</b>	<b>10</b>	<b>110</b>	<b>430</b>	-	<b>330</b>	-	<b>42</b>	<b>42</b>
Benzo(a)pyrene	ug/kg dry	<b>15</b>	<b>3.5</b>	<b>140</b>	<b>340</b>	-	<b>330</b>	-	<b>42</b>	<b>42</b>
Benzo(b)fluoranthene	ug/kg dry	<b>150</b>	<b>35</b>	<b>200</b>	<b>440</b>	-	<b>500</b>	<b>48</b>	<b>70</b>	<b>70</b>
Benzo(g,h,i)perylene	ug/kg dry	-	-	140	230	-	240	-	38	38
Benzo(k)fluoranthene	ug/kg dry	1500	<b>350</b>	120	300	-	<b>360</b>	38	48	48
Chrysene	ug/kg dry	15000	1100	170	510	51	480	56	75	75
Dibenzo(a,h)anthracene	ug/kg dry	<b>15</b>	<b>11</b>	<b>49</b>	<b>100</b>	-	<b>37</b>	-	-	-
Fluoranthene	ug/kg dry	2300000	160000	110	910	64	520	62	72	72
Fluorene	ug/kg dry	2300000	27000	-	-	-	-	-	-	-
Indeno (1,2,3-cd) pyrene	ug/kg dry	<b>150</b>	<b>120</b>	<b>130</b>	<b>240</b>	-	<b>200</b>	-	-	-
Naphthalene	ug/kg dry	3600	<b>0.47</b>	<b>56</b>	<b>39</b>	-	<b>87</b>	-	-	-
Phenanthrene	ug/kg dry	-	-	100	510	-	260	-	-	-
Pyrene	ug/kg dry	1700000	120000	140	860	59	700	60	70	70



**Table 5: PAH Results for Surface Soil Samples (continued)**

				Station ID Sample ID Date Time	WC18 WC18-SF 09/24/2010 11:30	WC19 WC19-SF 09/24/2010 12:50	WC19 WC19-SFD 09/24/2010 13:15	WC20 WC20-SF 09/24/2010 14:20	WC21 WC21-SF 09/24/2010 14:55
Analyte	Units	RSL RES SOIL	RSL RISK SSL						
2-Methylnaphthalene	ug/kg dry	310000	750	-	-	-	-	-	-
Acenaphthene	ug/kg dry	3400000	22000	-	40	-	-	-	-
Anthracene	ug/kg dry	17000000	360000	-	100	-	-	-	-
Benzo(a)anthracene	ug/kg dry	<b>150</b>	<b>10</b>	<b>62</b>	<b>240</b>	<b>51</b>	-	-	<b>53</b>
Benzo(a)pyrene	ug/kg dry	<b>15</b>	<b>3.5</b>	<b>110</b>	<b>160</b>	<b>47</b>	-	-	<b>56</b>
Benzo(b)fluoranthene	ug/kg dry	<b>150</b>	<b>35</b>	<b>160</b>	<b>190</b>	<b>61</b>	<b>42</b>	-	<b>80</b>
Benzo(g,h,i)perylene	ug/kg dry	-	-	100	85	-	-	-	44
Benzo(k)fluoranthene	ug/kg dry	1500	<b>350</b>	98	150	42	-	-	63
Chrysene	ug/kg dry	15000	1100	110	250	72	57	-	92
Dibenzo(a,h)anthracene	ug/kg dry	<b>15</b>	<b>11</b>	<b>52</b>	<b>53</b>	-	-	-	-
Fluoranthene	ug/kg dry	2300000	160000	66	590	97	66	-	150
Fluorene	ug/kg dry	2300000	27000	-	51	-	-	-	-
Indeno (1,2,3-cd) pyrene	ug/kg dry	<b>150</b>	<b>120</b>	100	87	-	-	-	39
Naphthalene	ug/kg dry	3600	<b>0.47</b>	-	-	-	-	-	-
Phenanthrene	ug/kg dry	-	-	-	350	55	-	-	83
Pyrene	ug/kg dry	1700000	120000	74	420 J,O	74	57	-	120



**Table 6** contains the total metals results from the surface soil samples with comparison to the *Regional Screening Levels for Chemical Contaminants in Residential Soil at Superfund Sites December 2009* (RSL RES SOIL) and the *Residential Risk-based Screening Levels for Chemical Contaminants in Soil at Superfund Sites December 2009* (RSL RISK SSL).

All of the surface soil samples were analyzed both sieved and un-sieved. Columns shaded gray are the results obtained after sieving the soil through a #60 or 250 micron sieve.

**Table 7** contains the total metals results of the eight subsurface soil samples compared to the same screening values as Table 5. The subsurface samples were analyzed un-sieved.



**Table 6: Metals Results for Surface Soil Samples**

				Station ID Sample ID Date Time	WC01 WC01-SF 09/22/2010 13:40	WC01 WC01-SF#60 09/22/2010 13:40	WC02 WC02-SF 09/22/2010 15:00	WC02 WC02-SF#60 09/22/2010 15:00	WC03 WC03-SF 09/22/2010 16:50	WC03 WC03-SF#60 09/22/2010 16:50
Analyte	Units	RSL RES SOIL	RSL RISK SSL							
Aluminum	mg/kg dry	77000	55000	6300	5800	6200	5600	8100	8000	
Antimony	mg/kg dry	31	<b>0.66</b>	-	-	-	-	-	-	-
Arsenic	mg/kg dry	<b>0.39</b>	<b>0.0013</b>	<b>3.0</b>	<b>2.6</b>	<b>5.5</b>	<b>3.0</b>	<b>36</b>	<b>68</b>	
Barium	mg/kg dry	15000	<b>300</b>	87	55	58	59	160	160	
Beryllium	mg/kg dry	160	58	0.71	0.53	0.50	0.31	1.1	0.89	
Cadmium	mg/kg dry	70	<b>1.4</b>	-	-	-	-	0.98	1.3	
Calcium	mg/kg dry	-	-	1900	2300	4300	3500	23000	25000	
Chromium	mg/kg dry	-	-	38	13	34	10	46	48	
Cobalt	mg/kg dry	<b>23</b>	<b>0.49</b>	<b>16</b>	<b>8.3</b>	<b>4.7</b>	<b>3.8</b>	<b>8.8</b>	<b>7.7</b>	
Copper	mg/kg dry	3100	<b>51</b>	8.9	10	6.9	9.7	<b>86</b>	<b>93</b>	
Iron	mg/kg dry	55000	<b>640</b>	<b>21000</b>	<b>12000</b>	<b>26000</b>	<b>9000</b>	<b>24000</b>	<b>23000</b>	
Lead	mg/kg dry	400	-	63	59	44	44	170	220	
Magnesium	mg/kg dry	-	-	750	890	720	700	8200	11000	
Manganese	mg/kg dry	<b>1800</b>	<b>57</b>	<b>2000</b>	<b>860</b>	<b>1000</b>	<b>610</b>	<b>1400</b>	<b>1100</b>	
Molybdenum	mg/kg dry	390	3.7	-	-	-	-	1.9	1.5	
Nickel	mg/kg dry	1500	48	4.5	4.0	3.3	4.1	15	15	
Potassium	mg/kg dry	-	-	180	200	290	330	740	730	
Silver	mg/kg dry	390	1.6	-	-	-	-	-	-	
Sodium	mg/kg dry	-	-	-	-	-	-	99	-	
Strontium	mg/kg dry	47000	770	3.3	3.5	7.5	7.0	25	26	
Tin	mg/kg dry	47000	5500	1.7	60	1.5		20	9.0	
Titanium	mg/kg dry	-	-	50	44	140	55	76	69	
Vanadium	mg/kg dry	<b>5.5</b>	<b>2.6</b>	<b>38</b>	<b>23</b>	<b>44</b>	<b>17</b>	<b>28</b>	<b>26</b>	
Yttrium	mg/kg dry	-	-	7.7	8.4	4.0	4.5	9.7	9.4	
Zinc	mg/kg dry	23000	<b>680</b>	65	55	47	55	290	360	



**Table 6: Metals Results for Surface Soil Samples (continued)**

				Station ID Sample ID Date Time	WC04 WC04-SF 09/23/2010 09:00	WC04 WC04-SF#60 09/23/2010 09:00	WC05 WC05-SF 09/23/2010 09:50	WC05 WC05-SF#60 09/23/2010 09:50	WC06 WC06-SF 09/23/2010 10:15	WC06 WC06-SF#60 09/23/2010 10:15
Analyte	Units	RSL RES SOIL	RSL RISK SSL							
Aluminum	mg/kg dry	77000	55000		8200	6600	7100	6200	7200	6200
Antimony	mg/kg dry	31	<b>0.66</b>		<b>2.6</b>	<b>2.3 J,O</b>	-	-	-	-
Arsenic	mg/kg dry	<b>0.39</b>	<b>0.0013</b>		<b>5.7</b>	<b>5.5</b>	<b>2.6</b>	<b>2.4</b>	<b>1.7</b>	<b>1.6</b>
Barium	mg/kg dry	15000	<b>300</b>		180	140	94	86	110	94
Beryllium	mg/kg dry	160	58		1.3	0.92	0.93	0.66	1.3	0.75
Cadmium	mg/kg dry	70	<b>1.4</b>		<b>1.7</b>	<b>1.5</b>	-	-	0.79	0.83
Calcium	mg/kg dry	-	-		4400	4000	2500	2700	3100	3400
Chromium	mg/kg dry	-	-		39	13	42	12	30	13
Cobalt	mg/kg dry	<b>23</b>	<b>0.49</b>		<b>16</b>	<b>12</b>	<b>16</b>	<b>13</b>	<b>13</b>	<b>5.0</b>
Copper	mg/kg dry	3100	<b>51</b>		21	23	12	13	14	22
Iron	mg/kg dry	55000	<b>640</b>		<b>29000</b>	<b>18000</b>	<b>22000</b>	<b>12000</b>	<b>24000</b>	<b>11000</b>
Lead	mg/kg dry	400	-		200	220	70	63	180	200
Magnesium	mg/kg dry	-	-		720	840	360	380	510	580
Manganese	mg/kg dry	<b>1800</b>	<b>57</b>		<b>2900</b>	<b>2000</b>	<b>2100</b>	<b>1700</b>	<b>1700</b>	<b>640</b>
Molybdenum	mg/kg dry	390	3.7		-	-	-	-	-	-
Nickel	mg/kg dry	1500	48		6.7	6.4	5.1	4.8	6.3	4.9
Potassium	mg/kg dry	-	-		460	430	380	400	270	320
Silver	mg/kg dry	390	1.6		1.1	0.96	-	-	-	-
Sodium	mg/kg dry	-	-		-	-	-	-	-	-
Strontium	mg/kg dry	47000	770		15	10	9.4	9.8	8.0	8.6
Tin	mg/kg dry	47000	5500		4.6	4.6 J,O	-	-	-	24
Titanium	mg/kg dry	-	-		34	32 J,O	29	26	8.6	8.4
Vanadium	mg/kg dry	<b>5.5</b>	<b>2.6</b>		<b>34</b>	<b>21</b>	<b>33</b>	<b>20</b>	<b>30</b>	<b>16</b>
Yttrium	mg/kg dry	-	-		11	10	6.0	6.1	9.7	9.2
Zinc	mg/kg dry	23000	<b>680</b>		<b>680</b>	<b>710 J,O</b>	90	77	190	210



**Table 6: Metals Results for Surface Soil Samples (continued)**

				Station ID Sample ID Date Time	WC07 WC07-SF 09/23/2010 12:00	WC07 WC07-SF#60 09/23/2010 12:00	WC09 WC09-SF 09/23/2010 14:55	WC09 WC09-SF#60 09/23/2010 14:55	WC10 WC10-SF 09/23/2010 15:55	WC10 WC10-SF#60 09/23/2010 15:55
Analyte	Units	RSL RES SOIL	RSL RISK SSL							
Aluminum	mg/kg dry	77000	55000	6400	5900	5500	5600	7400	6500	
Antimony	mg/kg dry	31	<b>0.66</b>	-	-	-	-	-	-	-
Arsenic	mg/kg dry	<b>0.39</b>	<b>0.0013</b>	<b>2.3</b>	<b>2.2</b>	<b>5.8</b>	<b>4.4</b>	<b>3.1</b>	<b>3.5</b>	
Barium	mg/kg dry	15000	<b>300</b>	69	74	70	71	<b>250</b>	120	
Beryllium	mg/kg dry	160	58	0.59	0.52	0.43	0.42	1.7	0.84	
Cadmium	mg/kg dry	70	<b>1.4</b>	-	-	-	0.51	0.89	0.85	
Calcium	mg/kg dry	-	-	2600	3100	6700	4500 J,O	47000	17000	
Chromium	mg/kg dry	-	-	24	13	22	12	50	26	
Cobalt	mg/kg dry	<b>23</b>	<b>0.49</b>	<b>13</b>	<b>11</b>	<b>7.8</b>	<b>6.5</b>	<b>22</b>	<b>8.6</b>	
Copper	mg/kg dry	3100	<b>51</b>	11	12	16	20	17	26	
Iron	mg/kg dry	55000	<b>640</b>	<b>16000</b>	<b>13000</b>	<b>16000</b>	<b>12000</b>	<b>28000</b>	<b>13000</b>	
Lead	mg/kg dry	400	-	63	61	62	76	85	100	
Magnesium	mg/kg dry	-	-	680	780	2100	1200	25000	8200	
Manganese	mg/kg dry	<b>1800</b>	<b>57</b>	<b>1500</b>	<b>1300</b>	<b>950</b>	<b>760</b>	<b>3700</b>	<b>1600</b>	
Molybdenum	mg/kg dry	390	3.7	-	-	-	-	-	-	
Nickel	mg/kg dry	1500	48	5.8	5.6	5.5	5.7	7.9	9.7	
Potassium	mg/kg dry	-	-	470	500	450	330	360	470	
Silver	mg/kg dry	390	1.6	-	-	-	-	-	-	
Sodium	mg/kg dry	-	-	-	-	-	-	-	-	
Strontium	mg/kg dry	47000	770	5.5	6.2	11	8.6	25	14	
Tin	mg/kg dry	47000	5500	-	2.2	2.7	2.2 J,O	3.2	8.1	
Titanium	mg/kg dry	-	-	37	36	43	37 J,O	120	62	
Vanadium	mg/kg dry	<b>5.5</b>	<b>2.6</b>	<b>28</b>	<b>22</b>	<b>25</b>	<b>19</b>	<b>42</b>	<b>22</b>	
Yttrium	mg/kg dry	-	-	6.5	6.8	4.6	5.2	12	9.6	
Zinc	mg/kg dry	23000	<b>680</b>	71	74	230	200 J,O	200	220	



**Table 6: Metals Results for Surface Soil Samples (continued)**

Station ID Sample ID Date Time				WC11 WC11-SF 09/23/2010 16:50	WC11 WC11-SF#60 09/23/2010 16:50	WC12 WC12-SF 09/23/2010 17:30	WC12 WC12-SF#60 09/23/2010 17:30	WC13 WC13-SF 09/23/2010 18:25	WC13 WC13-SF#60 09/23/2010 18:25
Analyte	Units	RSL RES SOIL	RSL RISK SSL						
Aluminum	mg/kg dry	77000	55000	5900	6200	13000	11000	8700	7500
Antimony	mg/kg dry	31	<b>0.66</b>	-	-	-	-	-	-
Arsenic	mg/kg dry	<b>0.39</b>	<b>0.0013</b>	<b>3.2</b>	<b>2.8</b>	<b>6.2</b>	<b>6.5</b>	<b>3.4</b>	<b>3.7</b>
Barium	mg/kg dry	15000	<b>300</b>	71	57	<b>410</b>	200	140	59
Beryllium	mg/kg dry	160	58	0.45	0.42	2.4	1.5	1.3	0.85
Cadmium	mg/kg dry	70	<b>1.4</b>	-	-	<b>1.9</b>	1.3	-	-
Calcium	mg/kg dry	-	-	3100	3400	5900	6600	7300	3700
Chromium	mg/kg dry	-	-	13	9.3	61	25	41	19
Cobalt	mg/kg dry	<b>23</b>	<b>0.49</b>	<b>12</b>	<b>7.4</b>	<b>39</b>	<b>13</b>	<b>27</b>	<b>17</b>
Copper	mg/kg dry	3100	<b>51</b>	6.8	7.5	<b>78</b>	<b>98</b>	13	14
Iron	mg/kg dry	55000	<b>640</b>	<b>15000</b>	<b>12000</b>	<b>44000</b>	<b>21000</b>	<b>26000</b>	<b>20000</b>
Lead	mg/kg dry	400	-	49	35	190	170	86	62
Magnesium	mg/kg dry	-	-	670	570	1400	1300	1700	1000
Manganese	mg/kg dry	<b>1800</b>	<b>57</b>	<b>1900</b>	<b>1200</b>	<b>5800</b>	<b>1800</b>	<b>2400</b>	<b>1300</b>
Molybdenum	mg/kg dry	390	3.7	-	-	-	-	-	-
Nickel	mg/kg dry	1500	48	4.8	4.5	25	14	7.9	6.6
Potassium	mg/kg dry	-	-	480	530	670	710	680	600
Silver	mg/kg dry	390	1.6	-	-	-	-	-	-
Sodium	mg/kg dry	-	-	-	-	-	-	-	-
Strontium	mg/kg dry	47000	770	5.2	5.9	26	34	15	8.3
Tin	mg/kg dry	47000	5500	-	-	5.2	7.1	2.2	1.7
Titanium	mg/kg dry	-	-	69	62	54	59	22	21
Vanadium	mg/kg dry	<b>5.5</b>	<b>2.6</b>	<b>25</b>	<b>20</b>	<b>45</b>	<b>24</b>	<b>26</b>	<b>22</b>
Yttrium	mg/kg dry	-	-	4.8	5.2	20	18	9.6	8.3
Zinc	mg/kg dry	23000	<b>680</b>	48	50	530	460	82	69



**Table 6: Metals Results for Surface Soil Samples (continued)**

				Station ID Sample ID Date Time	WC14 WC14-SF 09/24/2010 07:40	WC14 WC14-SF#60 09/24/2010 07:40	WC15 WC15-SF 09/24/2010 09:20	WC15 WC15-SF#60 09/24/2010 09:20	WC16 WC16-SF 09/24/2010 09:55	WC16 WC16-SF#60 09/24/2010 09:55
Analyte	Units	RSL RES SOIL	RSL RISK SSL							
Aluminum	mg/kg dry	77000	55000		11000	10000	5900	6400	7800	7300
Antimony	mg/kg dry	31	<b>0.66</b>	-	-	-	-	-	-	-
Arsenic	mg/kg dry	<b>0.39</b>	<b>0.0013</b>	<b>3.8</b>	<b>3.6</b>	<b>3.5</b>	<b>4.1</b>	<b>4.7</b>	<b>4.1</b>	
Barium	mg/kg dry	15000	<b>300</b>	190	160	74	87	95	90	
Beryllium	mg/kg dry	160	58	0.90	0.85	0.69	0.61	0.72	0.66	
Cadmium	mg/kg dry	70	<b>1.4</b>	-	-	0.68	0.80	1.0	0.97	
Calcium	mg/kg dry	-	-	1300	1300	19000	12000	8400	6700	
Chromium	mg/kg dry	-	-	30	13	28	15	27	16	
Cobalt	mg/kg dry	<b>23</b>	<b>0.49</b>	<b>21</b>	<b>16</b>	<b>6.1</b>	<b>6.6</b>	<b>12</b>	<b>11</b>	
Copper	mg/kg dry	3100	<b>51</b>	8.3	8.5	19	32	21	24	
Iron	mg/kg dry	55000	<b>640</b>	<b>24000</b>	<b>20000</b>	<b>17000</b>	<b>14000</b>	<b>17000</b>	<b>15000</b>	
Lead	mg/kg dry	400	-	56	53	280	220	160	160	
Magnesium	mg/kg dry	-	-	420	420	9600	5000	2700	2100	
Manganese	mg/kg dry	<b>1800</b>	<b>57</b>	<b>5100</b>	<b>3900</b>	<b>800</b>	<b>810</b>	<b>1800</b>	<b>1700</b>	
Molybdenum	mg/kg dry	390	3.7	-	-	-	-	-	-	
Nickel	mg/kg dry	1500	48	8.3	8.2	5.8	7.6	7.0	7.2	
Potassium	mg/kg dry	-	-	360	340	330	390	530	530	
Silver	mg/kg dry	390	1.6	-	-	-	-	-	-	
Sodium	mg/kg dry	-	-	-	-	-	-	-	-	
Strontium	mg/kg dry	47000	770	5.9	6.3	15	14	12	9.7	
Tin	mg/kg dry	47000	5500	-	-	2.0	2.7	2.6	2.1	
Titanium	mg/kg dry	-	-	130	110	39	37	59	56	
Vanadium	mg/kg dry	<b>5.5</b>	<b>2.6</b>	<b>41</b>	<b>33</b>	<b>22</b>	<b>19</b>	<b>25</b>	<b>21</b>	
Yttrium	mg/kg dry	-	-	16	19	6.6	6.9	9.4	9.4	
Zinc	mg/kg dry	23000	<b>680</b>	37	35	160	230	310	270	



**Table 6: Metals Results for Surface Soil Samples (continued)**

				Station ID Sample ID Date Time	WC17 WC17-SF 09/24/2010 10:20	WC17 WC17-SF#60 09/24/2010 10:20	WC18 WC18-SF 09/24/2010 11:30	WC18 WC18-SF#60 09/24/2010 11:30	WC19 WC19-SF 09/24/2010 12:50	WC19 WC19-SF#60 09/24/2010 12:50
Analyte	Units	RSL RES SOIL	RSL RISK SSL							
Aluminum	mg/kg dry	77000	55000		10000	8000	5700	5600	9200	6900
Antimony	mg/kg dry	31	<b>0.66</b>	-	-	-	-	-	-	-
Arsenic	mg/kg dry	<b>0.39</b>	<b>0.0013</b>	<b>3.7</b>	<b>4.2</b>	<b>3.0</b>	<b>3.1</b>	<b>4.8</b>	<b>3.0</b>	
Barium	mg/kg dry	15000	<b>300</b>	70	67	61	61	150	69	
Beryllium	mg/kg dry	160	58	-	0.32	0.60	0.61	1.5	0.83	
Cadmium	mg/kg dry	70	<b>1.4</b>	1.3	1.3	-	-	0.58	-	
Calcium	mg/kg dry	-	-	3300	4300	2400	2400	3300	3400	
Chromium	mg/kg dry	-	-	40	20	14	13	44	13	
Cobalt	mg/kg dry	<b>23</b>	<b>0.49</b>	<b>14</b>	<b>6.6</b>	<b>8.2</b>	<b>7.9</b>	<b>30</b>	<b>8.1</b>	
Copper	mg/kg dry	3100	<b>51</b>	35	37	<b>96</b>	<b>100</b>	12	12	
Iron	mg/kg dry	55000	<b>640</b>	<b>25000</b>	<b>20000</b>	<b>13000</b>	<b>13000</b>	<b>35000</b>	<b>16000</b>	
Lead	mg/kg dry	400	-	120	100	77	76	88	53	
Magnesium	mg/kg dry	-	-	690	1000	390	400	710	770	
Manganese	mg/kg dry	<b>1800</b>	<b>57</b>	<b>770</b>	<b>460</b>	<b>1200</b>	<b>1200</b>	<b>4100</b>	<b>1000</b>	
Molybdenum	mg/kg dry	390	3.7	-	-	3.6 J,O	3.4 J,O	-	-	
Nickel	mg/kg dry	1500	48	6.6	7.3	5.1	5.0	8.8	5.2	
Potassium	mg/kg dry	-	-	550	520	350	350	310	350	
Silver	mg/kg dry	390	1.6	-	-	-	-	-	-	
Sodium	mg/kg dry	-	-	-	-	-	-	-	-	
Strontium	mg/kg dry	47000	770	8.0	8.7	6.6	6.7	11	11	
Tin	mg/kg dry	47000	5500	3.3	2.5	1.8	1.9	8.7	2.8	
Titanium	mg/kg dry	-	-	98	92	46	47	16	13	
Vanadium	mg/kg dry	<b>5.5</b>	<b>2.6</b>	<b>37</b>	<b>31</b>	<b>21</b>	<b>20</b>	<b>37</b>	<b>18</b>	
Yttrium	mg/kg dry	-	-	4.0	4.4	9.7	9.9	10	9.0	
Zinc	mg/kg dry	23000	<b>680</b>	250	260	70	68	82	60	



**Table 6: Metals Results for Surface Soil Samples (continued)**

				Station ID Sample ID Date Time	WC19 WC19-SFD 09/24/2010 13:15	WC19 WC19-SFD#60 09/24/2010 13:15	WC20 WC20-SF 09/24/2010 14:20	WC20 WC20-SF#60 09/24/2010 14:20	WC21 WC21-SF 09/24/2010 14:55	WC21 WC21-SF#60 09/24/2010 14:55
Analyte	Units	RSL RES SOIL	RSL RISK SSL							
Aluminum	mg/kg dry	77000	55000	8800	6700	6800	7000	7000	6900	
Antimony	mg/kg dry	31	0.66	-	-	-	-	-	-	
Arsenic	mg/kg dry	0.39	0.0013	4.6	2.2	2.6	2.8	2.6	2.3	
Barium	mg/kg dry	15000	300	170	67	53	52	92	89	
Beryllium	mg/kg dry	160	58	1.4	0.86	0.42	0.43	0.84	0.74	
Cadmium	mg/kg dry	70	1.4	0.78	-	-	-	-	-	
Calcium	mg/kg dry	-	-	2900	3200	5200	2400	2500	2700	
Chromium	mg/kg dry	-	-	41	14	21	15	26	12	
Cobalt	mg/kg dry	23	0.49	30	11	11	9.7	17	15	
Copper	mg/kg dry	3100	51	11	13	13	14	14	14	
Iron	mg/kg dry	55000	640	32000	14000	17000	16000	18000	14000	
Lead	mg/kg dry	400	-	120	61	61	61	72	59	
Magnesium	mg/kg dry	-	-	660	710	2200	650	530	590	
Manganese	mg/kg dry	1800	57	3900	900	1200	990	1700	1600	
Molybdenum	mg/kg dry	390	3.7	-	-	-	-	-	-	
Nickel	mg/kg dry	1500	48	7.6	5.5	5.3	5.4	6.4	5.8	
Potassium	mg/kg dry	-	-	280	300	300	300	530	540	
Silver	mg/kg dry	390	1.6	-	-	-	-	-	-	
Sodium	mg/kg dry	-	-	-	-	-	-	-	-	
Strontium	mg/kg dry	47000	770	10	10	7.9	6.3	9.4	8.9	
Tin	mg/kg dry	47000	5500	5.7	-	-	3.9	2.5	-	
Titanium	mg/kg dry	-	-	16	6.6	72	72	37	35 J,O	
Vanadium	mg/kg dry	5.5	2.6	34	17	27	26	26	21	
Yttrium	mg/kg dry	-	-	9.7	9.4	5.4	6.1	11	11	
Zinc	mg/kg dry	23000	680	86	67	69	70	120	97	



**Table 7: Metals Results for Subsurface Soil Samples**

				Station ID Sample ID Date Time	WC01 WC01-SB 09/22/2010 14:10	WC03 WC03-SB 09/22/2010 17:45	WC04 WC04-SB 09/23/2010 09:20	WC06 WC06-SB 09/23/2010 10:45	WC07 WC07-SB 09/23/2010 12:50	WC14 WC14-SB 09/24/2010 08:15	WC17 WC17-SB 09/24/2010 10:40	WC19 WC19-SB 09/24/2010 13:40
Analyte	Units	RSL RES SOIL	RSL RISK SSL									
Aluminum	mg/kg dry	77000	55000	6400	12000	9500	17000	9900	11000	7400	16000	
Arsenic	mg/kg dry	<b>0.39</b>	<b>0.0013</b>	<b>1.6 J,O</b>	<b>3.5</b>	<b>1.1</b>	-	-	<b>3.4</b>	<b>2.4</b>	<b>2.0 J,O</b>	
Barium	mg/kg dry	15000	<b>300</b>	45 J,O	<b>300</b>	160	240	23	160	14	220	
Beryllium	mg/kg dry	160	58	0.56	2.0	1.6	2.1	0.34	1.0	-	1.9	
Calcium	mg/kg dry			820	86000	1700	5200	580	240	900	72000	
Chromium	mg/kg dry			22	49	41	40	44	21	33	23	
Cobalt	mg/kg dry	<b>23</b>	<b>0.49</b>	<b>12</b>	<b>3.2</b>	<b>23</b>	<b>27</b>	<b>13</b>	<b>16</b>	<b>1.4</b>	<b>14</b>	
Copper	mg/kg dry	3100	51	3.8	40	4.0	5.1	4.3	6.7	3.8	13	
Iron	mg/kg dry	55000	<b>640</b>	<b>20000</b>	<b>19000</b>	<b>34000</b>	<b>46000</b>	<b>31000</b>	<b>23000</b>	<b>30000</b>	<b>28000</b>	
Lead	mg/kg dry	400		23	73	57	44	30	24	13	16	
Magnesium	mg/kg dry			450	21000	270	580	300	220	210	2800	
Manganese	mg/kg dry	<b>1800</b>	<b>57</b>	<b>1200 J,O</b>	<b>2600</b>	<b>2300</b>	<b>2800</b>	<b>840</b>	<b>3800</b>	<b>250</b>	<b>800</b>	
Nickel	mg/kg dry	1500	48	3.4	15	5.5	10	3.4	6.0	2.9	20	
Potassium	mg/kg dry			140	1000	190	450	220	290	290	580	
Sodium	mg/kg dry			-	300	-	-	-	-	-	-	
Strontium	mg/kg dry	47000	770	2.3	93	5.6	17	2.7	2.3	3.9	77	
Tin	mg/kg dry	47000	5500	-	8.0	-	-	-	-	-	-	
Titanium	mg/kg dry			35 J,O	420	16	2.2	14	96	99	5.6 J,O	
Vanadium	mg/kg dry	<b>5.5</b>	<b>2.6</b>	<b>31</b>	<b>25</b>	<b>37</b>	<b>45</b>	<b>44</b>	<b>39</b>	<b>48</b>	<b>18</b>	
Yttrium	mg/kg dry			5.3	14	9.3	13	1.7	26	0.97	24	
Zinc	mg/kg dry	23000	680	7.5	180	21	21	13	14	10	39	



## Quality Assurance/Quality Control

Only one duplicate sample was collected during the project. **Table 8** shows the PAH results for Station WC19-SF. The results in bold type exceed one or both screening levels listed in Table 4. The lack of agreement between samples may be due to inherent soil variability in the neighborhood for PAHs.

All sample material was placed in a glass pan and homogenized prior to being divided into separate containers for PAH and metals analysis. Based on the metals results, Table 9, the material was thoroughly homogenized.

**Table 8: Duplicate Sample PAH Results**

		Station ID	WC19	WC19
		Sample ID	WC19-SF	WC19-SFD
		Date	09/24/2010	09/24/2010
		Time	12:50	13:15
Analyte	Units			
2-Methylnaphthalene	ug/kg dry	-	-	-
Acenaphthene	ug/kg dry	40	-	-
Anthracene	ug/kg dry	100	-	-
Benzo(a)anthracene	ug/kg dry	<b>240</b>	<b>51</b>	
Benzo(a)pyrene	ug/kg dry	<b>160</b>	<b>47</b>	
Benzo(b)fluoranthene	ug/kg dry	<b>190</b>	<b>61</b>	
Benzo(g,h,i)perylene	ug/kg dry	85	-	-
Benzo(k)fluoranthene	ug/kg dry	150	42	
Chrysene	ug/kg dry	250	72	
Dibenzo(a,h)anthracene	ug/kg dry	<b>53</b>	-	-
Fluoranthene	ug/kg dry	590	97	
Fluorene	ug/kg dry	51	-	-
Indeno (1,2,3-cd) pyrene	ug/kg dry	87	-	-
Naphthalene	ug/kg dry	-	-	-
Phenanthrene	ug/kg dry	350	55	
Pyrene	ug/kg dry	420 J,O	74	

**Table 9** shows the total metals results for Station WC19-SF. The results in bold type exceed one or both screening levels listed in Table 5. The metals results show good agreement between the original sample and the duplicate despite being sampled at the same time and with the same debris problems as the PAHs.



**Table 9: Duplicate Sample Metals Results**

Station ID Sample ID Date Time		WC19 WC19-SF 09/24/2010 12:50	WC19 WC19-SFD 09/24/2010 13:15	WC19 WC19-SF#60 09/24/2010 12:50	WC19 WC19-SFD#60 09/24/2010 13:15
Analyte	Units	Un-sieved		Sieved	
Aluminum	mg/kg dry	9200	8800	6900	6700
Antimony	mg/kg dry	-	-	-	-
Arsenic	mg/kg dry	<b>4.8</b>	<b>4.6</b>	<b>3.0</b>	<b>2.2</b>
Barium	mg/kg dry	150	170	69	67
Beryllium	mg/kg dry	1.5	1.4	0.83	0.86
Cadmium	mg/kg dry	0.58	0.78	-	-
Calcium	mg/kg dry	3300	2900	3400	3200
Chromium	mg/kg dry	44	41	13	14
Cobalt	mg/kg dry	<b>30</b>	<b>30</b>	<b>8.1</b>	<b>11</b>
Copper	mg/kg dry	12	11	12	13
Iron	mg/kg dry	<b>35000</b>	<b>32000</b>	<b>16000</b>	<b>14000</b>
Lead	mg/kg dry	88	120	53	61
Magnesium	mg/kg dry	710	660	770	710
Manganese	mg/kg dry	<b>4100</b>	<b>3900</b>	<b>1000</b>	<b>900</b>
Molybdenum	mg/kg dry	-	-	-	-
Nickel	mg/kg dry	8.8	7.6	5.2	5.5
Potassium	mg/kg dry	310	280	350	300
Silver	mg/kg dry	-	-	-	-
Sodium	mg/kg dry	-	-	-	-
Strontium	mg/kg dry	11	10	11	10
Tin	mg/kg dry	8.7	5.7	2.8	-
Titanium	mg/kg dry	16	16	13	6.6
Vanadium	mg/kg dry	<b>37</b>	<b>34</b>	<b>18</b>	<b>17</b>
Yttrium	mg/kg dry	10	9.7	9.0	9.4
Zinc	mg/kg dry	82	86	60	67

Temperature blanks were placed in the coolers with the samples and delivered to the SESD laboratory.

## Methodology

Field activities were conducted in accordance with SESD's Field Branches Management and Quality System Procedures and the following SESD field measurement and sampling operating procedures:

SESDPROC-110-R2, Global Positioning System

SESDPROC-205-R1, Field Equipment Cleaning and Decontamination



SESDPROC-209-R1, Packaging, Marking, Labeling and Shipping of Environmental and  
Waste Samples  
SESDPROC-300-R1, Soil Sampling

All field measurement and sampling procedures were performed by the SESD Enforcement and Investigations Branch personnel. Chain of custody documents were prepared and signed by Kevin Simmons. The **Soil Sample Selection Sites and Site Geology** section, page 5, was written by Jim Smith. The detailed soil sample descriptions were taken from Mr. Smith's field notes.

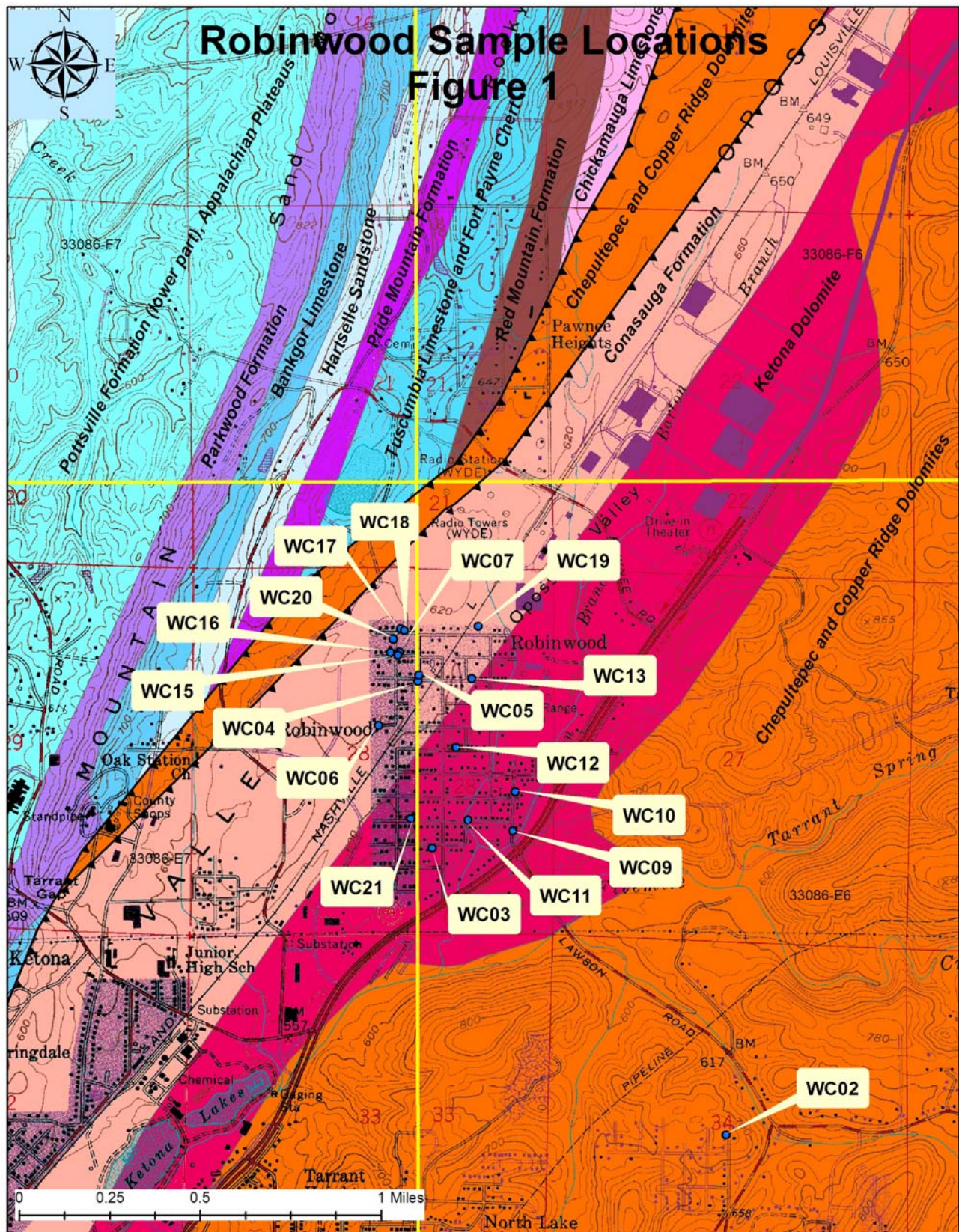
Samples were analyzed at the SESD laboratory in accordance with the Analytical Support Branch (ASB) Laboratory Operations and Quality Assurance Manual, January 2010. The ASB laboratory is accredited by the National Environmental Laboratory Accreditation Conference (NELAC). Analytical methods for the analyses conducted are:

Physical Properties (% Solids), EPA 200.2  
Semi Volatile Organic Compounds, EPA 8270D  
Total Metals, EPA 200.8. and EPA 6010

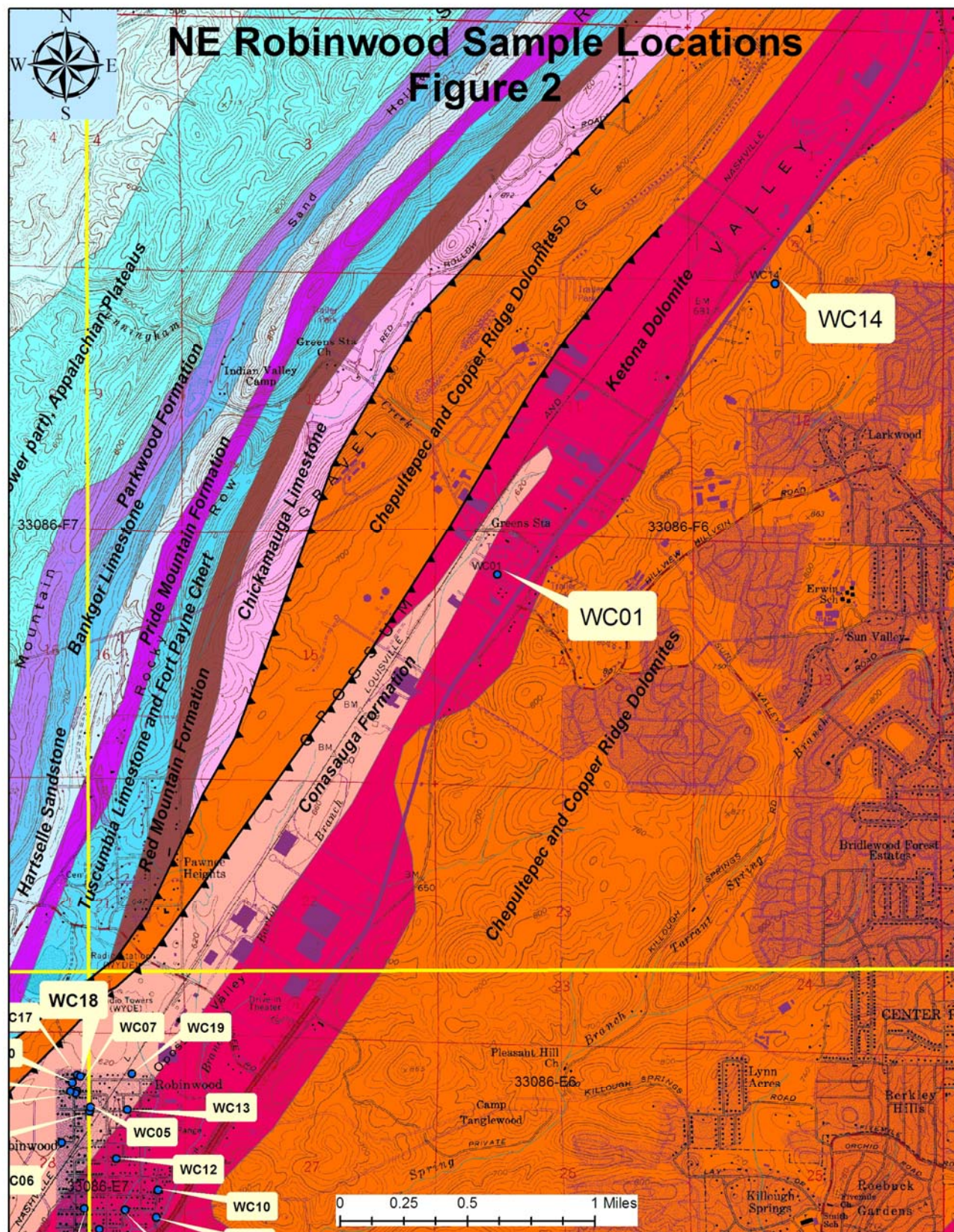
## **Conclusion**

The data provided in this report will be used by US EPA Region 4 RCRA Corrective Action to determine an arsenic and BaP TEQ cleanup level for neighborhoods surrounding the Walter Coke facility. Statistical analysis of the data may be required to further refine the cleanup levels. Additional sampling may also be requested.











# Appendix A

## Analytical Data Sheets

The analytical data sheets were reissued on December 7, 2010 to correct sample times for five samples. No analytical results were affected. See the Report Narrative on page 2 of 105.

<u>Analytical Parameters</u>	<u>Matrix</u>	<u>Method</u>	<u>Pages</u>
SESD SVOCs	Soil	EPA 8270D	-
SESD Metals & % Solids	Soil	EPA 200.8/6010/ EPA 200.2	105
<b>Total pages</b>			<b>105</b>





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: 10-0656

Project: 10-0656, Sloss Industries Corporation - Reported by Sallie Hale

**December 6, 2010**

**4SESD-ASB**

**MEMORANDUM**

**SUBJECT:** FINAL Analytical Report  
Project: 10-0656, Sloss Industries Corporation  
Resource Conservation and Recovery Act

**FROM:** Sallie Hale  
ASB Organic Chemistry Section Chief

**THRU:** Gary Bennett, Chief  
Analytical Support Branch

**TO:** Kevin Simmons

**This data report is being reissued. Some or all of these results were previously reported. Please substitute the corrected results for those results previously reported. Please refer to the Report Narrative for more details.**

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](http://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 may have been qualified if the applicable quality control criteria were not met. For a listing of specific data qualifiers and explanations, please refer to the Data Qualifier Definitions included in this report. The reported results are representative only of the samples as received by the laboratory.

Analyses Included in this report:

Method Used:

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**Physical Properties (PHYSP)**

Physical Properties

EPA 200.2

**Semi Volatile Organics (SVOA)**

Semivolatile organic compounds

EPA 8270D

**Total Metals (TMTL)**

Total Metals

EPA 200.8

Total Metals

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: 10-0656

Project: 10-0656, Sloss Industries Corporation - Reported by Sallie Hale

**Report Narrative** for Work Order E104001, Project: 10-0656  
12/06/10 SJH All Analyses: Sampling times corrected at the Project Leader's request for WC03-SB, WC11-SF, WC11-SF#60, WC14-SF and WC14-SF#60. Data unchanged.

**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](mailto:Colquitt.Debbie@epa.gov), and provide a reason for holding samples beyond 60 days





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: 10-0656

Project: 10-0656, Sloss Industries Corporation - Reported by Sallie Hale

**SAMPLES INCLUDED IN THIS REPORT**

**Project: 10-0656, Sloss Industries Corporation**

Sample ID	Laboratory ID	Matrix	Date Collected	Date Received
WC01-SB	E104001-01	Subsurface Soil	9/22/10 14:10	9/27/10 8:39
WC01-SF	E104001-02	Surface Soil	9/22/10 13:40	9/27/10 8:39
WC01-SF#60	E104001-03	Surface Soil	9/22/10 13:40	9/27/10 8:39
WC02-SF	E104001-04	Surface Soil	9/22/10 15:00	9/27/10 8:39
WC02-SF#60	E104001-05	Surface Soil	9/22/10 15:00	9/27/10 8:39
WC03-SB	E104001-06	Subsurface Soil	9/22/10 17:45	9/27/10 8:39
WC03-SF	E104001-07	Surface Soil	9/22/10 16:50	9/27/10 8:39
WC03-SF#60	E104001-08	Surface Soil	9/22/10 16:50	9/27/10 8:39
WC04-SB	E104001-09	Subsurface Soil	9/23/10 09:20	9/27/10 8:39
WC04-SF	E104001-10	Surface Soil	9/23/10 09:00	9/27/10 8:39
WC04-SF#60	E104001-11	Surface Soil	9/23/10 09:00	9/27/10 8:39
WC05-SF	E104001-12	Surface Soil	9/23/10 09:50	9/27/10 8:39
WC05-SF#60	E104001-13	Surface Soil	9/23/10 09:50	9/27/10 8:39
WC06-SB	E104001-14	Subsurface Soil	9/23/10 10:45	9/27/10 8:39
WC06-SF	E104001-15	Surface Soil	9/23/10 10:15	9/27/10 8:39
WC06-SF#60	E104001-16	Surface Soil	9/23/10 10:15	9/27/10 8:39
WC07-SB	E104001-17	Subsurface Soil	9/23/10 12:50	9/27/10 8:39
WC07-SF	E104001-18	Surface Soil	9/23/10 12:00	9/27/10 8:39
WC07-SF#60	E104001-19	Surface Soil	9/23/10 12:00	9/27/10 8:39
WC09-SF	E104001-20	Surface Soil	9/23/10 14:55	9/27/10 8:39
WC09-SF#60	E104001-21	Surface Soil	9/23/10 14:55	9/27/10 8:39
WC10-SF	E104001-22	Surface Soil	9/23/10 15:55	9/27/10 8:39
WC10-SF#60	E104001-23	Surface Soil	9/23/10 15:55	9/27/10 8:39
WC11-SF	E104001-24	Surface Soil	9/23/10 16:50	9/27/10 8:39
WC11-SF#60	E104001-25	Surface Soil	9/23/10 16:50	9/27/10 8:39
WC12-SF	E104001-26	Surface Soil	9/23/10 17:30	9/27/10 8:39
WC12-SF#60	E104001-27	Surface Soil	9/23/10 17:30	9/27/10 8:39
WC13-SF	E104001-28	Surface Soil	9/23/10 18:25	9/27/10 8:39
WC13-SF#60	E104001-29	Surface Soil	9/23/10 18:25	9/27/10 8:39
WC14-SB	E104001-30	Subsurface Soil	9/24/10 08:15	9/27/10 8:39
WC14-SF	E104001-31	Surface Soil	9/24/10 07:40	9/27/10 8:39
WC14-SF#60	E104001-32	Surface Soil	9/24/10 07:40	9/27/10 8:39
WC15-SF	E104001-33	Surface Soil	9/24/10 09:20	9/27/10 8:39
WC15-SF#60	E104001-34	Surface Soil	9/24/10 09:20	9/27/10 8:39





# 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: 10-0656

Project: 10-0656, Sloss Industries Corporation - Reported by Sallie Hale

WC16-SF	E104001-35	Surface Soil	9/24/10 09:55	9/27/10 8:39
WC16-SF#60	E104001-36	Surface Soil	9/24/10 09:55	9/27/10 8:39
WC17-SB	E104001-37	Subsurface Soil	9/24/10 10:40	9/27/10 8:39
WC17-SF	E104001-38	Surface Soil	9/24/10 10:20	9/27/10 8:39
WC17-SF#60	E104001-39	Surface Soil	9/24/10 10:20	9/27/10 8:39
WC18-SF	E104001-40	Surface Soil	9/24/10 11:30	9/27/10 8:39
WC18-SF#60	E104001-41	Surface Soil	9/24/10 11:30	9/27/10 8:39
WC19-SB	E104001-42	Subsurface Soil	9/24/10 13:40	9/27/10 8:39
WC19-SF	E104001-43	Surface Soil	9/24/10 12:50	9/27/10 8:39
WC19-SF#60	E104001-44	Surface Soil	9/24/10 12:50	9/27/10 8:39
WC19-SFD	E104001-45	Surface Soil	9/24/10 13:15	9/27/10 8:39
WC19-SFD#60	E104001-46	Surface Soil	9/24/10 13:15	9/27/10 8:39
WC20-SF	E104001-47	Surface Soil	9/24/10 14:20	9/27/10 8:39
WC20-SF#60	E104001-48	Surface Soil	9/24/10 14:20	9/27/10 8:39
WC21-SF	E104001-49	Surface Soil	9/24/10 14:55	9/27/10 8:39
WC21-SF#60	E104001-50	Surface Soil	9/24/10 14:55	9/27/10 8:39





UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
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980 College Station Road, Athens, Georgia 30605-2700  
D.A.R.T. Id: 10-0656  
Project: 10-0656, Sloss Industries Corporation - Reported by Sallie Hale

### DATA QUALIFIER DEFINITIONS

U	The analyte was not detected at or above the reporting limit.
D-2	Due to Matrix Interference, the sample cannot be accurately quantified. The reported result is qualitative.
D-4	MRL elevated due to interferences.
J	The identification of the analyte is acceptable; the reported value is an estimate.
QM-1	Matrix Spike Recovery less than method control limits
QM-2	Matrix Spike Recovery greater than method control limits
QM-3	Matrix Spike Precision outside 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 ( <a href="http://www.epa.gov/srs">www.epa.gov/srs</a> ), 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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D.A.R.T. Id: 10-0656

Project: 10-0656, Sloss Industries Corporation - Reported by Sallie Hale

## Total Metals

Project: 10-0656, Sloss Industries Corporation

Sample ID: WC01-SB

Lab ID: E104001-01

Station ID: WC01

Matrix: Subsurface Soil

Date Collected: 9/22/10 14:10

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7429-90-5	Aluminum	6400		mg/kg dry	10	10/08/10 13:20	10/22/10 17:37	EPA 6010
7440-36-0	Antimony	1.0	U, J, QM-1	mg/kg dry	1.0	10/08/10 13:29	10/27/10 16:56	EPA 200.8
7440-38-2	Arsenic	1.6	J, QM-1	mg/kg dry	1.0	10/08/10 13:29	10/27/10 16:56	EPA 200.8
7440-39-3	Barium	45	J, QM-2	mg/kg dry	0.50	10/08/10 13:20	10/22/10 17:37	EPA 6010
7440-41-7	Beryllium	0.56		mg/kg dry	0.30	10/08/10 13:20	10/22/10 17:37	EPA 6010
7440-43-9	Cadmium	0.50	U	mg/kg dry	0.50	10/08/10 13:29	10/27/10 16:56	EPA 200.8
7440-70-2	Calcium	820		mg/kg dry	25	10/08/10 13:20	10/22/10 17:37	EPA 6010
7440-47-3	Chromium	22		mg/kg dry	0.50	10/08/10 13:20	10/22/10 17:37	EPA 6010
7440-48-4	Cobalt	12		mg/kg dry	0.50	10/08/10 13:20	10/22/10 17:37	EPA 6010
7440-50-8	Copper	3.8		mg/kg dry	1.0	10/08/10 13:20	10/22/10 17:37	EPA 6010
7439-89-6	Iron	20000		mg/kg dry	10	10/08/10 13:20	10/22/10 17:37	EPA 6010
7439-92-1	Lead	23		mg/kg dry	1.0	10/08/10 13:29	10/27/10 16:56	EPA 200.8
7439-95-4	Magnesium	450		mg/kg dry	25	10/08/10 13:20	10/22/10 17:37	EPA 6010
7439-96-5	Manganese	1200	J, QM-2	mg/kg dry	0.50	10/08/10 13:20	10/22/10 17:37	EPA 6010
7439-98-7	Molybdenum	1.0	U, J, QM-1	mg/kg dry	1.0	10/08/10 13:20	10/22/10 17:37	EPA 6010
7440-02-0	Nickel	3.4		mg/kg dry	1.0	10/08/10 13:20	10/22/10 17:37	EPA 6010
7440-09-7	Potassium	140		mg/kg dry	100	10/08/10 13:20	10/22/10 17:37	EPA 6010
7782-49-2	Selenium	2.0	U, J, QM-1	mg/kg dry	2.0	10/08/10 13:29	10/27/10 16:56	EPA 200.8
7440-22-4	Silver	0.50	U	mg/kg dry	0.50	10/08/10 13:20	10/22/10 17:37	EPA 6010
7440-23-5	Sodium	100	U	mg/kg dry	100	10/08/10 13:20	10/22/10 17:37	EPA 6010
7440-24-6	Strontium	2.3		mg/kg dry	0.50	10/08/10 13:20	10/22/10 17:37	EPA 6010
7440-28-0	Thallium	1.0	U	mg/kg dry	1.0	10/08/10 13:29	10/27/10 16:56	EPA 200.8
7440-31-5	Tin	1.5	U, J, QM-1	mg/kg dry	1.5	10/08/10 13:20	10/22/10 17:37	EPA 6010
7440-32-6	Titanium	35	J, QM-1	mg/kg dry	0.50	10/08/10 13:20	10/22/10 17:37	EPA 6010
7440-62-2	Vanadium	31		mg/kg dry	0.50	10/08/10 13:20	10/22/10 17:37	EPA 6010
7440-65-5	Yttrium	5.3		mg/kg dry	0.30	10/08/10 13:20	10/22/10 17:37	EPA 6010
7440-66-6	Zinc	7.5		mg/kg dry	1.0	10/08/10 13:20	10/22/10 17:37	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: 10-0656

Project: 10-0656, Sloss Industries Corporation - Reported by Sallie Hale

## Physical Properties

**Project: 10-0656, Sloss Industries Corporation**

**Sample ID:** WC01-SB

**Lab ID:** E104001-01

**Station ID:** WC01

**Matrix:** Subsurface Soil

**Date Collected:** 9/22/10 14:10

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
E1642941	% Solids	85		%		10/05/10 14:06	10/06/10 13:37	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: 10-0656

Project: 10-0656, Sloss Industries Corporation - Reported by Sallie Hale

## Semi Volatile Organics

Project: 10-0656, Sloss Industries Corporation

Sample ID: WC01-SF

Lab ID: E104001-02

Station ID: WC01

Matrix: Surface Soil

Date Collected: 9/22/10 13:40

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
91-57-6	2-Methylnaphthalene	37	U	ug/kg dry	37	9/30/10 12:01	10/07/10 13:41	EPA 8270D
83-32-9	Acenaphthene	37	U	ug/kg dry	37	9/30/10 12:01	10/07/10 13:41	EPA 8270D
208-96-8	Acenaphthylene	37	U	ug/kg dry	37	9/30/10 12:01	10/07/10 13:41	EPA 8270D
120-12-7	Anthracene	37	U	ug/kg dry	37	9/30/10 12:01	10/07/10 13:41	EPA 8270D
56-55-3	Benzo(a)anthracene	37	U	ug/kg dry	37	9/30/10 12:01	10/07/10 13:41	EPA 8270D
50-32-8	Benzo(a)pyrene	37	U	ug/kg dry	37	9/30/10 12:01	10/07/10 13:41	EPA 8270D
205-99-2	Benzo(b)fluoranthene	37	U	ug/kg dry	37	9/30/10 12:01	10/07/10 13:41	EPA 8270D
191-24-2	Benzo(g,h,i)perylene	37	U	ug/kg dry	37	9/30/10 12:01	10/07/10 13:41	EPA 8270D
207-08-9	Benzo(k)fluoranthene	37	U	ug/kg dry	37	9/30/10 12:01	10/07/10 13:41	EPA 8270D
218-01-9	Chrysene	59		ug/kg dry	37	9/30/10 12:01	10/07/10 13:41	EPA 8270D
53-70-3	Dibenz(a,h)anthracene	37	U	ug/kg dry	37	9/30/10 12:01	10/07/10 13:41	EPA 8270D
206-44-0	Fluoranthene	44		ug/kg dry	37	9/30/10 12:01	10/07/10 13:41	EPA 8270D
86-73-7	Fluorene	37	U	ug/kg dry	37	9/30/10 12:01	10/07/10 13:41	EPA 8270D
193-39-5	Indeno (1,2,3-cd) pyrene	37	U	ug/kg dry	37	9/30/10 12:01	10/07/10 13:41	EPA 8270D
91-20-3	Naphthalene	37	U	ug/kg dry	37	9/30/10 12:01	10/07/10 13:41	EPA 8270D
85-01-8	Phenanthrene	37	U	ug/kg dry	37	9/30/10 12:01	10/07/10 13:41	EPA 8270D
129-00-0	Pyrene	51		ug/kg dry	37	9/30/10 12:01	10/07/10 13:41	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: 10-0656

Project: 10-0656, Sloss Industries Corporation - Reported by Sallie Hale

## Total Metals

Project: 10-0656, Sloss Industries Corporation

Sample ID: WC01-SF

Lab ID: E104001-02

Station ID: WC01

Matrix: Surface Soil

Date Collected: 9/22/10 13:40

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7429-90-5	Aluminum	6300		mg/kg dry	10	10/08/10 13:20	10/22/10 17:57	EPA 6010
7440-36-0	Antimony	1.0	U	mg/kg dry	1.0	10/08/10 13:29	10/27/10 17:16	EPA 200.8
7440-38-2	Arsenic	3.0		mg/kg dry	1.0	10/08/10 13:29	10/27/10 17:16	EPA 200.8
7440-39-3	Barium	87		mg/kg dry	0.50	10/08/10 13:20	10/22/10 17:57	EPA 6010
7440-41-7	Beryllium	0.71		mg/kg dry	0.30	10/08/10 13:20	10/22/10 17:57	EPA 6010
7440-43-9	Cadmium	0.50	U	mg/kg dry	0.50	10/08/10 13:29	10/27/10 17:16	EPA 200.8
7440-70-2	Calcium	1900		mg/kg dry	25	10/08/10 13:20	10/22/10 17:57	EPA 6010
7440-47-3	Chromium	38		mg/kg dry	0.50	10/08/10 13:20	10/22/10 17:57	EPA 6010
7440-48-4	Cobalt	16		mg/kg dry	0.50	10/08/10 13:20	10/22/10 17:57	EPA 6010
7440-50-8	Copper	8.9		mg/kg dry	1.0	10/08/10 13:20	10/22/10 17:57	EPA 6010
7439-89-6	Iron	21000		mg/kg dry	10	10/08/10 13:20	10/22/10 17:57	EPA 6010
7439-92-1	Lead	63		mg/kg dry	1.0	10/08/10 13:29	10/27/10 17:16	EPA 200.8
7439-95-4	Magnesium	750		mg/kg dry	25	10/08/10 13:20	10/22/10 17:57	EPA 6010
7439-96-5	Manganese	2000		mg/kg dry	0.50	10/08/10 13:20	10/22/10 17:57	EPA 6010
7439-98-7	Molybdenum	1.0	U	mg/kg dry	1.0	10/08/10 13:20	10/22/10 17:57	EPA 6010
7440-02-0	Nickel	4.5		mg/kg dry	1.0	10/08/10 13:20	10/22/10 17:57	EPA 6010
7440-09-7	Potassium	180		mg/kg dry	100	10/08/10 13:20	10/22/10 17:57	EPA 6010
7782-49-2	Selenium	2.0	U	mg/kg dry	2.0	10/08/10 13:29	10/27/10 17:16	EPA 200.8
7440-22-4	Silver	0.50	U	mg/kg dry	0.50	10/08/10 13:20	10/22/10 17:57	EPA 6010
7440-23-5	Sodium	100	U	mg/kg dry	100	10/08/10 13:20	10/22/10 17:57	EPA 6010
7440-24-6	Strontium	3.3		mg/kg dry	0.50	10/08/10 13:20	10/22/10 17:57	EPA 6010
7440-28-0	Thallium	1.0	U	mg/kg dry	1.0	10/08/10 13:29	10/27/10 17:16	EPA 200.8
7440-31-5	Tin	1.7		mg/kg dry	1.5	10/08/10 13:20	10/22/10 17:57	EPA 6010
7440-32-6	Titanium	50		mg/kg dry	0.50	10/08/10 13:20	10/22/10 17:57	EPA 6010
7440-62-2	Vanadium	38		mg/kg dry	0.50	10/08/10 13:20	10/22/10 17:57	EPA 6010
7440-65-5	Yttrium	7.7		mg/kg dry	0.30	10/08/10 13:20	10/22/10 17:57	EPA 6010
7440-66-6	Zinc	65		mg/kg dry	1.0	10/08/10 13:20	10/22/10 17:57	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: 10-0656

Project: 10-0656, Sloss Industries Corporation - Reported by Sallie Hale

## Physical Properties

**Project: 10-0656, Sloss Industries Corporation**

**Sample ID:** WC01-SF

**Lab ID:** E104001-02

**Station ID:** WC01

**Matrix:** Surface Soil

**Date Collected:** 9/22/10 13:40

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
E1642941	% Solids	90		%		10/05/10 14:06	10/06/10 13:37	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: 10-0656

Project: 10-0656, Sloss Industries Corporation - Reported by Sallie Hale

## Total Metals

Project: 10-0656, Sloss Industries Corporation

Sample ID: WC01-SF#60

Lab ID: E104001-03

Station ID: WC01

Matrix: Surface Soil

Date Collected: 9/22/10 13:40

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7429-90-5	Aluminum	5800		mg/kg dry	10	10/08/10 13:20	10/22/10 18:03	EPA 6010
7440-36-0	Antimony	1.0	U	mg/kg dry	1.0	10/08/10 13:29	10/27/10 17:21	EPA 200.8
7440-38-2	Arsenic	2.6		mg/kg dry	1.0	10/08/10 13:29	10/27/10 17:21	EPA 200.8
7440-39-3	Barium	55		mg/kg dry	0.50	10/08/10 13:20	10/22/10 18:03	EPA 6010
7440-41-7	Beryllium	0.53		mg/kg dry	0.30	10/08/10 13:20	10/22/10 18:03	EPA 6010
7440-43-9	Cadmium	0.50	U	mg/kg dry	0.50	10/08/10 13:29	10/27/10 17:21	EPA 200.8
7440-70-2	Calcium	2300		mg/kg dry	25	10/08/10 13:20	10/22/10 18:03	EPA 6010
7440-47-3	Chromium	13		mg/kg dry	0.50	10/08/10 13:20	10/22/10 18:03	EPA 6010
7440-48-4	Cobalt	8.3		mg/kg dry	0.50	10/08/10 13:20	10/22/10 18:03	EPA 6010
7440-50-8	Copper	10		mg/kg dry	1.0	10/08/10 13:20	10/22/10 18:03	EPA 6010
7439-89-6	Iron	12000		mg/kg dry	10	10/08/10 13:20	10/22/10 18:03	EPA 6010
7439-92-1	Lead	59		mg/kg dry	1.0	10/08/10 13:29	10/27/10 17:21	EPA 200.8
7439-95-4	Magnesium	890		mg/kg dry	25	10/08/10 13:20	10/22/10 18:03	EPA 6010
7439-96-5	Manganese	860		mg/kg dry	0.50	10/08/10 13:20	10/22/10 18:03	EPA 6010
7439-98-7	Molybdenum	1.0	U	mg/kg dry	1.0	10/08/10 13:20	10/22/10 18:03	EPA 6010
7440-02-0	Nickel	4.0		mg/kg dry	1.0	10/08/10 13:20	10/22/10 18:03	EPA 6010
7440-09-7	Potassium	200		mg/kg dry	100	10/08/10 13:20	10/22/10 18:03	EPA 6010
7782-49-2	Selenium	2.0	U	mg/kg dry	2.0	10/08/10 13:29	10/27/10 17:21	EPA 200.8
7440-22-4	Silver	0.50	U	mg/kg dry	0.50	10/08/10 13:20	10/22/10 18:03	EPA 6010
7440-23-5	Sodium	100	U	mg/kg dry	100	10/08/10 13:20	10/22/10 18:03	EPA 6010
7440-24-6	Strontium	3.5		mg/kg dry	0.50	10/08/10 13:20	10/22/10 18:03	EPA 6010
7440-28-0	Thallium	1.0	U	mg/kg dry	1.0	10/08/10 13:29	10/27/10 17:21	EPA 200.8
7440-31-5	Tin	60		mg/kg dry	1.5	10/08/10 13:20	10/22/10 18:03	EPA 6010
7440-32-6	Titanium	44		mg/kg dry	0.50	10/08/10 13:20	10/22/10 18:03	EPA 6010
7440-62-2	Vanadium	23		mg/kg dry	0.50	10/08/10 13:20	10/22/10 18:03	EPA 6010
7440-65-5	Yttrium	8.4		mg/kg dry	0.30	10/08/10 13:20	10/22/10 18:03	EPA 6010
7440-66-6	Zinc	55		mg/kg dry	1.0	10/08/10 13:20	10/22/10 18:03	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: 10-0656

Project: 10-0656, Sloss Industries Corporation - Reported by Sallie Hale

## Semi Volatile Organics

Project: 10-0656, Sloss Industries Corporation

Sample ID: WC02-SF

Lab ID: E104001-04

Station ID: WC02

Matrix: Surface Soil

Date Collected: 9/22/10 15:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
91-57-6	2-Methylnaphthalene	36	U	ug/kg dry	36	9/30/10 12:01	10/07/10 15:26	EPA 8270D
83-32-9	Acenaphthene	36	U	ug/kg dry	36	9/30/10 12:01	10/07/10 15:26	EPA 8270D
208-96-8	Acenaphthylene	36	U	ug/kg dry	36	9/30/10 12:01	10/07/10 15:26	EPA 8270D
120-12-7	Anthracene	36	U	ug/kg dry	36	9/30/10 12:01	10/07/10 15:26	EPA 8270D
56-55-3	Benzo(a)anthracene	36	U	ug/kg dry	36	9/30/10 12:01	10/07/10 15:26	EPA 8270D
50-32-8	Benzo(a)pyrene	36	U	ug/kg dry	36	9/30/10 12:01	10/07/10 15:26	EPA 8270D
205-99-2	Benzo(b)fluoranthene	36	U	ug/kg dry	36	9/30/10 12:01	10/07/10 15:26	EPA 8270D
191-24-2	Benzo(g,h,i)perylene	36	U	ug/kg dry	36	9/30/10 12:01	10/07/10 15:26	EPA 8270D
207-08-9	Benzo(k)fluoranthene	36	U	ug/kg dry	36	9/30/10 12:01	10/07/10 15:26	EPA 8270D
218-01-9	Chrysene	36	U	ug/kg dry	36	9/30/10 12:01	10/07/10 15:26	EPA 8270D
53-70-3	Dibenz(a,h)anthracene	36	U	ug/kg dry	36	9/30/10 12:01	10/07/10 15:26	EPA 8270D
206-44-0	Fluoranthene	36	U	ug/kg dry	36	9/30/10 12:01	10/07/10 15:26	EPA 8270D
86-73-7	Fluorene	36	U	ug/kg dry	36	9/30/10 12:01	10/07/10 15:26	EPA 8270D
193-39-5	Indeno (1,2,3-cd) pyrene	36	U	ug/kg dry	36	9/30/10 12:01	10/07/10 15:26	EPA 8270D
91-20-3	Naphthalene	36	U	ug/kg dry	36	9/30/10 12:01	10/07/10 15:26	EPA 8270D
85-01-8	Phenanthrene	36	U	ug/kg dry	36	9/30/10 12:01	10/07/10 15:26	EPA 8270D
129-00-0	Pyrene	36	U	ug/kg dry	36	9/30/10 12:01	10/07/10 15:26	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: 10-0656

Project: 10-0656, Sloss Industries Corporation - Reported by Sallie Hale

## Total Metals

Project: 10-0656, Sloss Industries Corporation

Sample ID: WC02-SF

Lab ID: E104001-04

Station ID: WC02

Matrix: Surface Soil

Date Collected: 9/22/10 15:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7429-90-5	Aluminum	6200		mg/kg dry	10	10/08/10 13:20	10/22/10 18:10	EPA 6010
7440-36-0	Antimony	1.0	U	mg/kg dry	1.0	10/08/10 13:29	10/27/10 17:25	EPA 200.8
7440-38-2	Arsenic	5.5		mg/kg dry	1.0	10/08/10 13:29	10/27/10 17:25	EPA 200.8
7440-39-3	Barium	58		mg/kg dry	0.50	10/08/10 13:20	10/22/10 18:10	EPA 6010
7440-41-7	Beryllium	0.50		mg/kg dry	0.30	10/08/10 13:20	10/22/10 18:10	EPA 6010
7440-43-9	Cadmium	0.50	U	mg/kg dry	0.50	10/08/10 13:29	10/27/10 17:25	EPA 200.8
7440-70-2	Calcium	4300		mg/kg dry	25	10/08/10 13:20	10/22/10 18:10	EPA 6010
7440-47-3	Chromium	34		mg/kg dry	0.50	10/08/10 13:20	10/22/10 18:10	EPA 6010
7440-48-4	Cobalt	4.7		mg/kg dry	0.50	10/08/10 13:20	10/22/10 18:10	EPA 6010
7440-50-8	Copper	6.9		mg/kg dry	1.0	10/08/10 13:20	10/22/10 18:10	EPA 6010
7439-89-6	Iron	26000		mg/kg dry	10	10/08/10 13:20	10/22/10 18:10	EPA 6010
7439-92-1	Lead	44		mg/kg dry	1.0	10/08/10 13:29	10/27/10 17:25	EPA 200.8
7439-95-4	Magnesium	720		mg/kg dry	25	10/08/10 13:20	10/22/10 18:10	EPA 6010
7439-96-5	Manganese	1000		mg/kg dry	0.50	10/08/10 13:20	10/22/10 18:10	EPA 6010
7439-98-7	Molybdenum	1.0	U	mg/kg dry	1.0	10/08/10 13:20	10/22/10 18:10	EPA 6010
7440-02-0	Nickel	3.3		mg/kg dry	1.0	10/08/10 13:20	10/22/10 18:10	EPA 6010
7440-09-7	Potassium	290		mg/kg dry	100	10/08/10 13:20	10/22/10 18:10	EPA 6010
7782-49-2	Selenium	2.0	U	mg/kg dry	2.0	10/08/10 13:29	10/27/10 17:25	EPA 200.8
7440-22-4	Silver	0.50	U	mg/kg dry	0.50	10/08/10 13:20	10/22/10 18:10	EPA 6010
7440-23-5	Sodium	100	U	mg/kg dry	100	10/08/10 13:20	10/22/10 18:10	EPA 6010
7440-24-6	Strontium	7.5		mg/kg dry	0.50	10/08/10 13:20	10/22/10 18:10	EPA 6010
7440-28-0	Thallium	1.0	U	mg/kg dry	1.0	10/08/10 13:29	10/27/10 17:25	EPA 200.8
7440-31-5	Tin	1.5		mg/kg dry	1.5	10/08/10 13:20	10/22/10 18:10	EPA 6010
7440-32-6	Titanium	140		mg/kg dry	0.50	10/08/10 13:20	10/22/10 18:10	EPA 6010
7440-62-2	Vanadium	44		mg/kg dry	0.50	10/08/10 13:20	10/22/10 18:10	EPA 6010
7440-65-5	Yttrium	4.0		mg/kg dry	0.30	10/08/10 13:20	10/22/10 18:10	EPA 6010
7440-66-6	Zinc	47		mg/kg dry	1.0	10/08/10 13:20	10/22/10 18:10	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: 10-0656

Project: 10-0656, Sloss Industries Corporation - Reported by Sallie Hale

## Physical Properties

**Project: 10-0656, Sloss Industries Corporation**

**Sample ID:** WC02-SF

**Lab ID:** E104001-04

**Station ID:** WC02

**Matrix:** Surface Soil

**Date Collected:** 9/22/10 15:00

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
E1642941	% Solids	93		%		10/05/10 14:06	10/06/10 13:37	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: 10-0656

Project: 10-0656, Sloss Industries Corporation - Reported by Sallie Hale

## Total Metals

Project: 10-0656, Sloss Industries Corporation

Sample ID: WC02-SF#60

Lab ID: E104001-05

Station ID: WC02

Matrix: Surface Soil

Date Collected: 9/22/10 15:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7429-90-5	Aluminum	5600		mg/kg dry	10	10/08/10 13:20	10/22/10 18:49	EPA 6010
7440-36-0	Antimony	1.0	U	mg/kg dry	1.0	10/08/10 13:29	10/27/10 17:29	EPA 200.8
7440-38-2	Arsenic	3.0		mg/kg dry	1.0	10/08/10 13:29	10/27/10 17:29	EPA 200.8
7440-39-3	Barium	59		mg/kg dry	0.50	10/08/10 13:20	10/22/10 18:49	EPA 6010
7440-41-7	Beryllium	0.31		mg/kg dry	0.30	10/08/10 13:20	10/22/10 18:49	EPA 6010
7440-43-9	Cadmium	0.50	U	mg/kg dry	0.50	10/08/10 13:29	10/27/10 17:29	EPA 200.8
7440-70-2	Calcium	3500		mg/kg dry	25	10/08/10 13:20	10/22/10 18:49	EPA 6010
7440-47-3	Chromium	10		mg/kg dry	0.50	10/08/10 13:20	10/22/10 18:49	EPA 6010
7440-48-4	Cobalt	3.8		mg/kg dry	0.50	10/08/10 13:20	10/22/10 18:49	EPA 6010
7440-50-8	Copper	9.7		mg/kg dry	1.0	10/08/10 13:20	10/22/10 18:49	EPA 6010
7439-89-6	Iron	9000		mg/kg dry	10	10/08/10 13:20	10/22/10 18:49	EPA 6010
7439-92-1	Lead	44		mg/kg dry	1.0	10/08/10 13:29	10/27/10 17:29	EPA 200.8
7439-95-4	Magnesium	700		mg/kg dry	25	10/08/10 13:20	10/22/10 18:49	EPA 6010
7439-96-5	Manganese	610		mg/kg dry	0.50	10/08/10 13:20	10/22/10 18:49	EPA 6010
7439-98-7	Molybdenum	1.0	U	mg/kg dry	1.0	10/08/10 13:20	10/22/10 18:49	EPA 6010
7440-02-0	Nickel	4.1		mg/kg dry	1.0	10/08/10 13:20	10/22/10 18:49	EPA 6010
7440-09-7	Potassium	330		mg/kg dry	100	10/08/10 13:20	10/22/10 18:49	EPA 6010
7782-49-2	Selenium	2.0	U	mg/kg dry	2.0	10/08/10 13:29	10/27/10 17:29	EPA 200.8
7440-22-4	Silver	0.50	U	mg/kg dry	0.50	10/08/10 13:20	10/22/10 18:49	EPA 6010
7440-23-5	Sodium	100	U	mg/kg dry	100	10/08/10 13:20	10/22/10 18:49	EPA 6010
7440-24-6	Strontium	7.0		mg/kg dry	0.50	10/08/10 13:20	10/22/10 18:49	EPA 6010
7440-28-0	Thallium	1.0	U	mg/kg dry	1.0	10/08/10 13:29	10/27/10 17:29	EPA 200.8
7440-31-5	Tin	1.5	U	mg/kg dry	1.5	10/08/10 13:20	10/22/10 18:49	EPA 6010
7440-32-6	Titanium	55		mg/kg dry	0.50	10/08/10 13:20	10/22/10 18:49	EPA 6010
7440-62-2	Vanadium	17		mg/kg dry	0.50	10/08/10 13:20	10/22/10 18:49	EPA 6010
7440-65-5	Yttrium	4.5		mg/kg dry	0.30	10/08/10 13:20	10/22/10 18:49	EPA 6010
7440-66-6	Zinc	55		mg/kg dry	1.0	10/08/10 13:20	10/22/10 18:49	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: 10-0656

Project: 10-0656, Sloss Industries Corporation - Reported by Sallie Hale

## Total Metals

Project: 10-0656, Sloss Industries Corporation

Sample ID: WC03-SB

Lab ID: E104001-06

Station ID: WC03

Matrix: Subsurface Soil

Date Collected: 9/22/10 17:45

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7429-90-5	Aluminum	12000		mg/kg dry	30	10/08/10 13:20	10/22/10 18:56	EPA 6010
7440-36-0	Antimony	0.99	U	mg/kg dry	0.99	10/08/10 13:29	10/27/10 17:33	EPA 200.8
7440-38-2	Arsenic	3.5		mg/kg dry	0.99	10/08/10 13:29	10/27/10 17:33	EPA 200.8
7440-39-3	Barium	300		mg/kg dry	1.5	10/08/10 13:20	10/22/10 18:56	EPA 6010
7440-41-7	Beryllium	2.0		mg/kg dry	0.89	10/08/10 13:20	10/22/10 18:56	EPA 6010
7440-43-9	Cadmium	0.50	U	mg/kg dry	0.50	10/08/10 13:29	10/27/10 17:33	EPA 200.8
7440-70-2	Calcium	86000		mg/kg dry	74	10/08/10 13:20	10/22/10 18:56	EPA 6010
7440-47-3	Chromium	49		mg/kg dry	1.5	10/08/10 13:20	10/22/10 18:56	EPA 6010
7440-48-4	Cobalt	3.2		mg/kg dry	1.5	10/08/10 13:20	10/22/10 18:56	EPA 6010
7440-50-8	Copper	40		mg/kg dry	3.0	10/08/10 13:20	10/22/10 18:56	EPA 6010
7439-89-6	Iron	19000		mg/kg dry	30	10/08/10 13:20	10/22/10 18:56	EPA 6010
7439-92-1	Lead	73		mg/kg dry	0.99	10/08/10 13:29	10/27/10 17:33	EPA 200.8
7439-95-4	Magnesium	21000		mg/kg dry	74	10/08/10 13:20	10/22/10 18:56	EPA 6010
7439-96-5	Manganese	2600		mg/kg dry	1.5	10/08/10 13:20	10/22/10 18:56	EPA 6010
7439-98-7	Molybdenum	3.0	U	mg/kg dry	3.0	10/08/10 13:20	10/22/10 18:56	EPA 6010
7440-02-0	Nickel	15		mg/kg dry	3.0	10/08/10 13:20	10/22/10 18:56	EPA 6010
7440-09-7	Potassium	1000		mg/kg dry	300	10/08/10 13:20	10/22/10 18:56	EPA 6010
7782-49-2	Selenium	2.0	U	mg/kg dry	2.0	10/08/10 13:29	10/27/10 17:33	EPA 200.8
7440-22-4	Silver	1.5	U	mg/kg dry	1.5	10/08/10 13:20	10/22/10 18:56	EPA 6010
7440-23-5	Sodium	300		mg/kg dry	300	10/08/10 13:20	10/22/10 18:56	EPA 6010
7440-24-6	Strontium	93		mg/kg dry	1.5	10/08/10 13:20	10/22/10 18:56	EPA 6010
7440-28-0	Thallium	0.99	U	mg/kg dry	0.99	10/08/10 13:29	10/27/10 17:33	EPA 200.8
7440-31-5	Tin	8.0		mg/kg dry	4.5	10/08/10 13:20	10/22/10 18:56	EPA 6010
7440-32-6	Titanium	420		mg/kg dry	1.5	10/08/10 13:20	10/22/10 18:56	EPA 6010
7440-62-2	Vanadium	25		mg/kg dry	1.5	10/08/10 13:20	10/22/10 18:56	EPA 6010
7440-65-5	Yttrium	14		mg/kg dry	0.89	10/08/10 13:20	10/22/10 18:56	EPA 6010
7440-66-6	Zinc	180		mg/kg dry	3.0	10/08/10 13:20	10/22/10 18:56	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: 10-0656

Project: 10-0656, Sloss Industries Corporation - Reported by Sallie Hale

## Physical Properties

**Project: 10-0656, Sloss Industries Corporation**

**Sample ID:** WC03-SB

**Lab ID:** E104001-06

**Station ID:** WC03

**Matrix:** Subsurface Soil

**Date Collected:** 9/22/10 17:45

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
E1642941	% Solids	90		%		10/05/10 14:06	10/06/10 13:37	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: 10-0656

Project: 10-0656, Sloss Industries Corporation - Reported by Sallie Hale

## Semi Volatile Organics

Project: 10-0656, Sloss Industries Corporation

Sample ID: WC03-SF

Lab ID: E104001-07

Station ID: WC03

Matrix: Surface Soil

Date Collected: 9/22/10 16:50

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
91-57-6	2-Methylnaphthalene	180		ug/kg dry	36	9/30/10 12:01	10/08/10 15:33	EPA 8270D
83-32-9	Acenaphthene	52		ug/kg dry	36	9/30/10 12:01	10/08/10 15:33	EPA 8270D
208-96-8	Acenaphthylene	36	U	ug/kg dry	36	9/30/10 12:01	10/08/10 15:33	EPA 8270D
120-12-7	Anthracene	140		ug/kg dry	36	9/30/10 12:01	10/08/10 15:33	EPA 8270D
56-55-3	Benzo(a)anthracene	670		ug/kg dry	36	9/30/10 12:01	10/08/10 15:33	EPA 8270D
50-32-8	Benzo(a)pyrene	670		ug/kg dry	36	9/30/10 12:01	10/08/10 15:33	EPA 8270D
205-99-2	Benzo(b)fluoranthene	920		ug/kg dry	36	9/30/10 12:01	10/08/10 15:33	EPA 8270D
191-24-2	Benzo(g,h,i)perylene	660		ug/kg dry	36	9/30/10 12:01	10/08/10 15:33	EPA 8270D
207-08-9	Benzo(k)fluoranthene	680		ug/kg dry	36	9/30/10 12:01	10/08/10 15:33	EPA 8270D
218-01-9	Chrysene	770		ug/kg dry	36	9/30/10 12:01	10/08/10 15:33	EPA 8270D
53-70-3	Dibenz(a,h)anthracene	250		ug/kg dry	36	9/30/10 12:01	10/08/10 15:33	EPA 8270D
206-44-0	Fluoranthene	1100		ug/kg dry	36	9/30/10 12:01	10/08/10 15:33	EPA 8270D
86-73-7	Fluorene	49		ug/kg dry	36	9/30/10 12:01	10/08/10 15:33	EPA 8270D
193-39-5	Indeno (1,2,3-cd) pyrene	580		ug/kg dry	36	9/30/10 12:01	10/08/10 15:33	EPA 8270D
91-20-3	Naphthalene	110		ug/kg dry	36	9/30/10 12:01	10/08/10 15:33	EPA 8270D
85-01-8	Phenanthrene	740		ug/kg dry	36	9/30/10 12:01	10/08/10 15:33	EPA 8270D
129-00-0	Pyrene	1100		ug/kg dry	36	9/30/10 12:01	10/08/10 15:33	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: 10-0656

Project: 10-0656, Sloss Industries Corporation - Reported by Sallie Hale

## Total Metals

Project: 10-0656, Sloss Industries Corporation

Sample ID: WC03-SF

Lab ID: E104001-07

Station ID: WC03

Matrix: Surface Soil

Date Collected: 9/22/10 16:50

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7429-90-5	Aluminum	8100		mg/kg dry	9.8	10/08/10 13:20	10/22/10 19:03	EPA 6010
7440-36-0	Antimony	0.98	U	mg/kg dry	0.98	10/08/10 13:29	10/27/10 17:37	EPA 200.8
7440-38-2	Arsenic	36		mg/kg dry	0.98	10/08/10 13:29	10/27/10 17:37	EPA 200.8
7440-39-3	Barium	160		mg/kg dry	0.49	10/08/10 13:20	10/22/10 19:03	EPA 6010
7440-41-7	Beryllium	1.1		mg/kg dry	0.29	10/08/10 13:20	10/22/10 19:03	EPA 6010
7440-43-9	Cadmium	0.98		mg/kg dry	0.49	10/08/10 13:29	10/27/10 17:37	EPA 200.8
7440-70-2	Calcium	23000		mg/kg dry	25	10/08/10 13:20	10/22/10 19:03	EPA 6010
7440-47-3	Chromium	46		mg/kg dry	0.49	10/08/10 13:20	10/22/10 19:03	EPA 6010
7440-48-4	Cobalt	8.8		mg/kg dry	0.49	10/08/10 13:20	10/22/10 19:03	EPA 6010
7440-50-8	Copper	86		mg/kg dry	0.98	10/08/10 13:20	10/22/10 19:03	EPA 6010
7439-89-6	Iron	24000		mg/kg dry	9.8	10/08/10 13:20	10/22/10 19:03	EPA 6010
7439-92-1	Lead	170		mg/kg dry	0.98	10/08/10 13:29	10/27/10 17:37	EPA 200.8
7439-95-4	Magnesium	8200		mg/kg dry	25	10/08/10 13:20	10/22/10 19:03	EPA 6010
7439-96-5	Manganese	1400		mg/kg dry	0.49	10/08/10 13:20	10/22/10 19:03	EPA 6010
7439-98-7	Molybdenum	1.9		mg/kg dry	0.98	10/08/10 13:20	10/22/10 19:03	EPA 6010
7440-02-0	Nickel	15		mg/kg dry	0.98	10/08/10 13:20	10/22/10 19:03	EPA 6010
7440-09-7	Potassium	740		mg/kg dry	98	10/08/10 13:20	10/22/10 19:03	EPA 6010
7782-49-2	Selenium	2.0	U	mg/kg dry	2.0	10/08/10 13:29	10/27/10 17:37	EPA 200.8
7440-22-4	Silver	0.49	U	mg/kg dry	0.49	10/08/10 13:20	10/22/10 19:03	EPA 6010
7440-23-5	Sodium	99		mg/kg dry	98	10/08/10 13:20	10/22/10 19:03	EPA 6010
7440-24-6	Strontium	25		mg/kg dry	0.49	10/08/10 13:20	10/22/10 19:03	EPA 6010
7440-28-0	Thallium	0.98	U	mg/kg dry	0.98	10/08/10 13:29	10/27/10 17:37	EPA 200.8
7440-31-5	Tin	20		mg/kg dry	1.5	10/08/10 13:20	10/22/10 19:03	EPA 6010
7440-32-6	Titanium	76		mg/kg dry	0.49	10/08/10 13:20	10/22/10 19:03	EPA 6010
7440-62-2	Vanadium	28		mg/kg dry	0.49	10/08/10 13:20	10/22/10 19:03	EPA 6010
7440-65-5	Yttrium	9.7		mg/kg dry	0.29	10/08/10 13:20	10/22/10 19:03	EPA 6010
7440-66-6	Zinc	290		mg/kg dry	0.98	10/08/10 13:20	10/22/10 19:03	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: 10-0656

Project: 10-0656, Sloss Industries Corporation - Reported by Sallie Hale

## Physical Properties

**Project: 10-0656, Sloss Industries Corporation**

**Sample ID:** WC03-SF

**Lab ID:** E104001-07

**Station ID:** WC03

**Matrix:** Surface Soil

**Date Collected:** 9/22/10 16:50

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
E1642941	% Solids	92		%		10/05/10 14:06	10/06/10 13:37	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: 10-0656

Project: 10-0656, Sloss Industries Corporation - Reported by Sallie Hale

## Total Metals

Project: 10-0656, Sloss Industries Corporation

Sample ID: WC03-SF#60

Lab ID: E104001-08

Station ID: WC03

Matrix: Surface Soil

Date Collected: 9/22/10 16:50

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7429-90-5	Aluminum	8000		mg/kg dry	10	10/08/10 13:20	10/22/10 19:09	EPA 6010
7440-36-0	Antimony	1.0	U	mg/kg dry	1.0	10/08/10 13:29	10/27/10 17:41	EPA 200.8
7440-38-2	Arsenic	68		mg/kg dry	1.0	10/08/10 13:29	10/27/10 17:41	EPA 200.8
7440-39-3	Barium	160		mg/kg dry	0.50	10/08/10 13:20	10/22/10 19:09	EPA 6010
7440-41-7	Beryllium	0.89		mg/kg dry	0.30	10/08/10 13:20	10/22/10 19:09	EPA 6010
7440-43-9	Cadmium	1.3		mg/kg dry	0.50	10/08/10 13:29	10/27/10 17:41	EPA 200.8
7440-70-2	Calcium	25000		mg/kg dry	25	10/08/10 13:20	10/22/10 19:09	EPA 6010
7440-47-3	Chromium	48		mg/kg dry	0.50	10/08/10 13:20	10/22/10 19:09	EPA 6010
7440-48-4	Cobalt	7.7		mg/kg dry	0.50	10/08/10 13:20	10/22/10 19:09	EPA 6010
7440-50-8	Copper	93		mg/kg dry	1.0	10/08/10 13:20	10/22/10 19:09	EPA 6010
7439-89-6	Iron	23000		mg/kg dry	10	10/08/10 13:20	10/22/10 19:09	EPA 6010
7439-92-1	Lead	220		mg/kg dry	2.0	10/08/10 13:20	10/22/10 19:09	EPA 6010
7439-95-4	Magnesium	11000		mg/kg dry	25	10/08/10 13:20	10/22/10 19:09	EPA 6010
7439-96-5	Manganese	1100		mg/kg dry	0.50	10/08/10 13:20	10/22/10 19:09	EPA 6010
7439-98-7	Molybdenum	1.5		mg/kg dry	1.0	10/08/10 13:20	10/22/10 19:09	EPA 6010
7440-02-0	Nickel	15		mg/kg dry	1.0	10/08/10 13:20	10/22/10 19:09	EPA 6010
7440-09-7	Potassium	730		mg/kg dry	100	10/08/10 13:20	10/22/10 19:09	EPA 6010
7782-49-2	Selenium	2.0	U	mg/kg dry	2.0	10/08/10 13:29	10/27/10 17:41	EPA 200.8
7440-22-4	Silver	0.50	U	mg/kg dry	0.50	10/08/10 13:20	10/22/10 19:09	EPA 6010
7440-23-5	Sodium	100	U	mg/kg dry	100	10/08/10 13:20	10/22/10 19:09	EPA 6010
7440-24-6	Strontium	26		mg/kg dry	0.50	10/08/10 13:20	10/22/10 19:09	EPA 6010
7440-28-0	Thallium	1.0	U	mg/kg dry	1.0	10/08/10 13:29	10/27/10 17:41	EPA 200.8
7440-31-5	Tin	9.0		mg/kg dry	1.5	10/08/10 13:20	10/22/10 19:09	EPA 6010
7440-32-6	Titanium	69		mg/kg dry	0.50	10/08/10 13:20	10/22/10 19:09	EPA 6010
7440-62-2	Vanadium	26		mg/kg dry	0.50	10/08/10 13:20	10/22/10 19:09	EPA 6010
7440-65-5	Yttrium	9.4		mg/kg dry	0.30	10/08/10 13:20	10/22/10 19:09	EPA 6010
7440-66-6	Zinc	360		mg/kg dry	1.0	10/08/10 13:20	10/22/10 19:09	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: 10-0656

Project: 10-0656, Sloss Industries Corporation - Reported by Sallie Hale

## Total Metals

Project: 10-0656, Sloss Industries Corporation

Sample ID: WC04-SB

Lab ID: E104001-09

Station ID: WC04

Matrix: Subsurface Soil

Date Collected: 9/23/10 9:20

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7429-90-5	Aluminum	9500		mg/kg dry	9.8	10/08/10 13:20	10/22/10 19:16	EPA 6010
7440-36-0	Antimony	0.98	U	mg/kg dry	0.98	10/08/10 13:29	10/27/10 17:45	EPA 200.8
7440-38-2	Arsenic	1.1		mg/kg dry	0.98	10/08/10 13:29	10/27/10 17:45	EPA 200.8
7440-39-3	Barium	160		mg/kg dry	0.49	10/08/10 13:20	10/22/10 19:16	EPA 6010
7440-41-7	Beryllium	1.6		mg/kg dry	0.29	10/08/10 13:20	10/22/10 19:16	EPA 6010
7440-43-9	Cadmium	0.49	U	mg/kg dry	0.49	10/08/10 13:29	10/27/10 17:45	EPA 200.8
7440-70-2	Calcium	1700		mg/kg dry	25	10/08/10 13:20	10/22/10 19:16	EPA 6010
7440-47-3	Chromium	41		mg/kg dry	0.49	10/08/10 13:20	10/22/10 19:16	EPA 6010
7440-48-4	Cobalt	23		mg/kg dry	0.49	10/08/10 13:20	10/22/10 19:16	EPA 6010
7440-50-8	Copper	4.0		mg/kg dry	0.98	10/08/10 13:20	10/22/10 19:16	EPA 6010
7439-89-6	Iron	34000		mg/kg dry	9.8	10/08/10 13:20	10/22/10 19:16	EPA 6010
7439-92-1	Lead	57		mg/kg dry	0.98	10/08/10 13:29	10/27/10 17:45	EPA 200.8
7439-95-4	Magnesium	270		mg/kg dry	25	10/08/10 13:20	10/22/10 19:16	EPA 6010
7439-96-5	Manganese	2300		mg/kg dry	0.49	10/08/10 13:20	10/22/10 19:16	EPA 6010
7439-98-7	Molybdenum	0.98	U	mg/kg dry	0.98	10/08/10 13:20	10/22/10 19:16	EPA 6010
7440-02-0	Nickel	5.5		mg/kg dry	0.98	10/08/10 13:20	10/22/10 19:16	EPA 6010
7440-09-7	Potassium	190		mg/kg dry	98	10/08/10 13:20	10/22/10 19:16	EPA 6010
7782-49-2	Selenium	2.0	U	mg/kg dry	2.0	10/08/10 13:29	10/27/10 17:45	EPA 200.8
7440-22-4	Silver	0.49	U	mg/kg dry	0.49	10/08/10 13:20	10/22/10 19:16	EPA 6010
7440-23-5	Sodium	98	U	mg/kg dry	98	10/08/10 13:20	10/22/10 19:16	EPA 6010
7440-24-6	Strontium	5.6		mg/kg dry	0.49	10/08/10 13:20	10/22/10 19:16	EPA 6010
7440-28-0	Thallium	0.98	U	mg/kg dry	0.98	10/08/10 13:29	10/27/10 17:45	EPA 200.8
7440-31-5	Tin	1.5	U	mg/kg dry	1.5	10/08/10 13:20	10/22/10 19:16	EPA 6010
7440-32-6	Titanium	16		mg/kg dry	0.49	10/08/10 13:20	10/22/10 19:16	EPA 6010
7440-62-2	Vanadium	37		mg/kg dry	0.49	10/08/10 13:20	10/22/10 19:16	EPA 6010
7440-65-5	Yttrium	9.3		mg/kg dry	0.29	10/08/10 13:20	10/22/10 19:16	EPA 6010
7440-66-6	Zinc	21		mg/kg dry	0.98	10/08/10 13:20	10/22/10 19:16	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: 10-0656

Project: 10-0656, Sloss Industries Corporation - Reported by Sallie Hale

## Physical Properties

**Project: 10-0656, Sloss Industries Corporation**

**Sample ID:** WC04-SB

**Lab ID:** E104001-09

**Station ID:** WC04

**Matrix:** Subsurface Soil

**Date Collected:** 9/23/10 9:20

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
E1642941	% Solids	90		%		10/05/10 14:06	10/06/10 13:37	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: 10-0656

Project: 10-0656, Sloss Industries Corporation - Reported by Sallie Hale

## Semi Volatile Organics

Project: 10-0656, Sloss Industries Corporation

Sample ID: WC04-SF

Lab ID: E104001-10

Station ID: WC04

Matrix: Surface Soil

Date Collected: 9/23/10 9:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
91-57-6	2-Methylnaphthalene	39		ug/kg dry	36	9/30/10 12:01	10/08/10 14:58	EPA 8270D
83-32-9	Acenaphthene	36	U	ug/kg dry	36	9/30/10 12:01	10/08/10 14:58	EPA 8270D
208-96-8	Acenaphthylene	36	U	ug/kg dry	36	9/30/10 12:01	10/08/10 14:58	EPA 8270D
120-12-7	Anthracene	65		ug/kg dry	36	9/30/10 12:01	10/08/10 14:58	EPA 8270D
56-55-3	Benzo(a)anthracene	280		ug/kg dry	36	9/30/10 12:01	10/08/10 14:58	EPA 8270D
50-32-8	Benzo(a)pyrene	190		ug/kg dry	36	9/30/10 12:01	10/08/10 14:58	EPA 8270D
205-99-2	Benzo(b)fluoranthene	250		ug/kg dry	36	9/30/10 12:01	10/08/10 14:58	EPA 8270D
191-24-2	Benzo(g,h,i)perylene	120		ug/kg dry	36	9/30/10 12:01	10/08/10 14:58	EPA 8270D
207-08-9	Benzo(k)fluoranthene	210		ug/kg dry	36	9/30/10 12:01	10/08/10 14:58	EPA 8270D
218-01-9	Chrysene	310		ug/kg dry	36	9/30/10 12:01	10/08/10 14:58	EPA 8270D
53-70-3	Dibenz(a,h)anthracene	41		ug/kg dry	36	9/30/10 12:01	10/08/10 14:58	EPA 8270D
206-44-0	Fluoranthene	480		ug/kg dry	36	9/30/10 12:01	10/08/10 14:58	EPA 8270D
86-73-7	Fluorene	36	U	ug/kg dry	36	9/30/10 12:01	10/08/10 14:58	EPA 8270D
193-39-5	Indeno (1,2,3-cd) pyrene	110		ug/kg dry	36	9/30/10 12:01	10/08/10 14:58	EPA 8270D
91-20-3	Naphthalene	38		ug/kg dry	36	9/30/10 12:01	10/08/10 14:58	EPA 8270D
85-01-8	Phenanthrene	350		ug/kg dry	36	9/30/10 12:01	10/08/10 14:58	EPA 8270D
129-00-0	Pyrene	470		ug/kg dry	36	9/30/10 12:01	10/08/10 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: 10-0656

Project: 10-0656, Sloss Industries Corporation - Reported by Sallie Hale

## Total Metals

Project: 10-0656, Sloss Industries Corporation

Sample ID: WC04-SF

Lab ID: E104001-10

Station ID: WC04

Matrix: Surface Soil

Date Collected: 9/23/10 9:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7429-90-5	Aluminum	8200		mg/kg dry	20	10/08/10 13:20	10/22/10 19:23	EPA 6010
7440-36-0	Antimony	2.6		mg/kg dry	0.99	10/08/10 13:29	10/27/10 17:49	EPA 200.8
7440-38-2	Arsenic	5.7		mg/kg dry	0.99	10/08/10 13:29	10/27/10 17:49	EPA 200.8
7440-39-3	Barium	180		mg/kg dry	0.99	10/08/10 13:20	10/22/10 19:23	EPA 6010
7440-41-7	Beryllium	1.3		mg/kg dry	0.59	10/08/10 13:20	10/22/10 19:23	EPA 6010
7440-43-9	Cadmium	1.7		mg/kg dry	0.49	10/08/10 13:29	10/27/10 17:49	EPA 200.8
7440-70-2	Calcium	4400		mg/kg dry	49	10/08/10 13:20	10/22/10 19:23	EPA 6010
7440-47-3	Chromium	39		mg/kg dry	0.99	10/08/10 13:20	10/22/10 19:23	EPA 6010
7440-48-4	Cobalt	16		mg/kg dry	0.99	10/08/10 13:20	10/22/10 19:23	EPA 6010
7440-50-8	Copper	21		mg/kg dry	2.0	10/08/10 13:20	10/22/10 19:23	EPA 6010
7439-89-6	Iron	29000		mg/kg dry	20	10/08/10 13:20	10/22/10 19:23	EPA 6010
7439-92-1	Lead	200		mg/kg dry	3.9	10/08/10 13:20	10/22/10 19:23	EPA 6010
7439-95-4	Magnesium	720		mg/kg dry	49	10/08/10 13:20	10/22/10 19:23	EPA 6010
7439-96-5	Manganese	2900		mg/kg dry	0.99	10/08/10 13:20	10/22/10 19:23	EPA 6010
7439-98-7	Molybdenum	2.0	U	mg/kg dry	2.0	10/08/10 13:20	10/22/10 19:23	EPA 6010
7440-02-0	Nickel	6.7		mg/kg dry	2.0	10/08/10 13:20	10/22/10 19:23	EPA 6010
7440-09-7	Potassium	460		mg/kg dry	200	10/08/10 13:20	10/22/10 19:23	EPA 6010
7782-49-2	Selenium	2.0	U	mg/kg dry	2.0	10/08/10 13:29	10/27/10 17:49	EPA 200.8
7440-22-4	Silver	1.1		mg/kg dry	0.99	10/08/10 13:20	10/22/10 19:23	EPA 6010
7440-23-5	Sodium	200	U	mg/kg dry	200	10/08/10 13:20	10/22/10 19:23	EPA 6010
7440-24-6	Strontium	15		mg/kg dry	0.99	10/08/10 13:20	10/22/10 19:23	EPA 6010
7440-28-0	Thallium	0.99	U	mg/kg dry	0.99	10/08/10 13:29	10/27/10 17:49	EPA 200.8
7440-31-5	Tin	4.6		mg/kg dry	3.0	10/08/10 13:20	10/22/10 19:23	EPA 6010
7440-32-6	Titanium	34		mg/kg dry	0.99	10/08/10 13:20	10/22/10 19:23	EPA 6010
7440-62-2	Vanadium	34		mg/kg dry	0.99	10/08/10 13:20	10/22/10 19:23	EPA 6010
7440-65-5	Yttrium	11		mg/kg dry	0.59	10/08/10 13:20	10/22/10 19:23	EPA 6010
7440-66-6	Zinc	680		mg/kg dry	2.0	10/08/10 13:20	10/22/10 19:23	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: 10-0656

Project: 10-0656, Sloss Industries Corporation - Reported by Sallie Hale

## Physical Properties

**Project: 10-0656, Sloss Industries Corporation**

**Sample ID:** WC04-SF

**Lab ID:** E104001-10

**Station ID:** WC04

**Matrix:** Surface Soil

**Date Collected:** 9/23/10 9:00

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
E1642941	% Solids	92		%		10/05/10 14:06	10/06/10 13:37	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: 10-0656

Project: 10-0656, Sloss Industries Corporation - Reported by Sallie Hale

## Total Metals

Project: 10-0656, Sloss Industries Corporation

Sample ID: WC04-SF#60

Lab ID: E104001-11

Station ID: WC04

Matrix: Surface Soil

Date Collected: 9/23/10 9:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7429-90-5	Aluminum	6600		mg/kg dry	10	10/08/10 13:20	10/22/10 19:29	EPA 6010
7440-36-0	Antimony	2.3	J, QM-1	mg/kg dry	1.0	10/08/10 13:29	10/27/10 17:53	EPA 200.8
7440-38-2	Arsenic	5.5		mg/kg dry	1.0	10/08/10 13:29	10/27/10 17:53	EPA 200.8
7440-39-3	Barium	140		mg/kg dry	0.50	10/08/10 13:20	10/22/10 19:29	EPA 6010
7440-41-7	Beryllium	0.92		mg/kg dry	0.30	10/08/10 13:20	10/22/10 19:29	EPA 6010
7440-43-9	Cadmium	1.5		mg/kg dry	0.50	10/08/10 13:29	10/27/10 17:53	EPA 200.8
7440-70-2	Calcium	4000		mg/kg dry	25	10/08/10 13:20	10/22/10 19:29	EPA 6010
7440-47-3	Chromium	13		mg/kg dry	0.50	10/08/10 13:20	10/22/10 19:29	EPA 6010
7440-48-4	Cobalt	12		mg/kg dry	0.50	10/08/10 13:20	10/22/10 19:29	EPA 6010
7440-50-8	Copper	23		mg/kg dry	1.0	10/08/10 13:20	10/22/10 19:29	EPA 6010
7439-89-6	Iron	18000		mg/kg dry	10	10/08/10 13:20	10/22/10 19:29	EPA 6010
7439-92-1	Lead	220		mg/kg dry	2.0	10/08/10 13:20	10/22/10 19:29	EPA 6010
7439-95-4	Magnesium	840		mg/kg dry	25	10/08/10 13:20	10/22/10 19:29	EPA 6010
7439-96-5	Manganese	2000		mg/kg dry	0.50	10/08/10 13:20	10/22/10 19:29	EPA 6010
7439-98-7	Molybdenum	1.0	U, J, QM-1	mg/kg dry	1.0	10/08/10 13:20	10/22/10 19:29	EPA 6010
7440-02-0	Nickel	6.4		mg/kg dry	1.0	10/08/10 13:20	10/22/10 19:29	EPA 6010
7440-09-7	Potassium	430		mg/kg dry	100	10/08/10 13:20	10/22/10 19:29	EPA 6010
7782-49-2	Selenium	2.0	U, J, QM-1	mg/kg dry	2.0	10/08/10 13:29	10/27/10 17:53	EPA 200.8
7440-22-4	Silver	0.96		mg/kg dry	0.50	10/08/10 13:20	10/22/10 19:29	EPA 6010
7440-23-5	Sodium	100	U	mg/kg dry	100	10/08/10 13:20	10/22/10 19:29	EPA 6010
7440-24-6	Strontium	10		mg/kg dry	0.50	10/08/10 13:20	10/22/10 19:29	EPA 6010
7440-28-0	Thallium	1.0	U	mg/kg dry	1.0	10/08/10 13:29	10/27/10 17:53	EPA 200.8
7440-31-5	Tin	4.6	J, QM-1	mg/kg dry	1.5	10/08/10 13:20	10/22/10 19:29	EPA 6010
7440-32-6	Titanium	32	J, QM-1	mg/kg dry	0.50	10/08/10 13:20	10/22/10 19:29	EPA 6010
7440-62-2	Vanadium	21		mg/kg dry	0.50	10/08/10 13:20	10/22/10 19:29	EPA 6010
7440-65-5	Yttrium	10		mg/kg dry	0.30	10/08/10 13:20	10/22/10 19:29	EPA 6010
7440-66-6	Zinc	710	J, QM-2	mg/kg dry	1.0	10/08/10 13:20	10/22/10 19:29	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: 10-0656

Project: 10-0656, Sloss Industries Corporation - Reported by Sallie Hale

## Semi Volatile Organics

Project: 10-0656, Sloss Industries Corporation

Sample ID: WC05-SF

Lab ID: E104001-12

Station ID: WC05

Matrix: Surface Soil

Date Collected: 9/23/10 9:50

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
91-57-6	2-Methylnaphthalene	36	U	ug/kg dry	36	9/27/10 12:05	10/05/10 17:50	EPA 8270D
83-32-9	Acenaphthene	36	U	ug/kg dry	36	9/27/10 12:05	10/05/10 17:50	EPA 8270D
208-96-8	Acenaphthylene	36	U	ug/kg dry	36	9/27/10 12:05	10/05/10 17:50	EPA 8270D
120-12-7	Anthracene	36	U	ug/kg dry	36	9/27/10 12:05	10/05/10 17:50	EPA 8270D
56-55-3	Benzo(a)anthracene	53		ug/kg dry	36	9/27/10 12:05	10/05/10 17:50	EPA 8270D
50-32-8	Benzo(a)pyrene	45		ug/kg dry	36	9/27/10 12:05	10/05/10 17:50	EPA 8270D
205-99-2	Benzo(b)fluoranthene	65		ug/kg dry	36	9/27/10 12:05	10/05/10 17:50	EPA 8270D
191-24-2	Benzo(g,h,i)perylene	41		ug/kg dry	36	9/27/10 12:05	10/05/10 17:50	EPA 8270D
207-08-9	Benzo(k)fluoranthene	48		ug/kg dry	36	9/27/10 12:05	10/05/10 17:50	EPA 8270D
218-01-9	Chrysene	75		ug/kg dry	36	9/27/10 12:05	10/05/10 17:50	EPA 8270D
53-70-3	Dibenz(a,h)anthracene	36	U	ug/kg dry	36	9/27/10 12:05	10/05/10 17:50	EPA 8270D
206-44-0	Fluoranthene	87		ug/kg dry	36	9/27/10 12:05	10/05/10 17:50	EPA 8270D
86-73-7	Fluorene	36	U	ug/kg dry	36	9/27/10 12:05	10/05/10 17:50	EPA 8270D
193-39-5	Indeno (1,2,3-cd) pyrene	36	U	ug/kg dry	36	9/27/10 12:05	10/05/10 17:50	EPA 8270D
91-20-3	Naphthalene	36	U	ug/kg dry	36	9/27/10 12:05	10/05/10 17:50	EPA 8270D
85-01-8	Phenanthrene	50		ug/kg dry	36	9/27/10 12:05	10/05/10 17:50	EPA 8270D
129-00-0	Pyrene	74		ug/kg dry	36	9/27/10 12:05	10/05/10 17:50	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: 10-0656

Project: 10-0656, Sloss Industries Corporation - Reported by Sallie Hale

## Total Metals

Project: 10-0656, Sloss Industries Corporation

Sample ID: WC05-SF

Lab ID: E104001-12

Station ID: WC05

Matrix: Surface Soil

Date Collected: 9/23/10 9:50

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7429-90-5	Aluminum	7100		mg/kg dry	9.9	10/08/10 13:20	10/22/10 19:49	EPA 6010
7440-36-0	Antimony	0.99	U	mg/kg dry	0.99	10/08/10 13:29	10/27/10 18:14	EPA 200.8
7440-38-2	Arsenic	2.6		mg/kg dry	0.99	10/08/10 13:29	10/27/10 18:14	EPA 200.8
7440-39-3	Barium	94		mg/kg dry	0.49	10/08/10 13:20	10/22/10 19:49	EPA 6010
7440-41-7	Beryllium	0.93		mg/kg dry	0.30	10/08/10 13:20	10/22/10 19:49	EPA 6010
7440-43-9	Cadmium	0.49	U	mg/kg dry	0.49	10/08/10 13:29	10/27/10 18:14	EPA 200.8
7440-70-2	Calcium	2500		mg/kg dry	25	10/08/10 13:20	10/22/10 19:49	EPA 6010
7440-47-3	Chromium	42		mg/kg dry	0.49	10/08/10 13:20	10/22/10 19:49	EPA 6010
7440-48-4	Cobalt	16		mg/kg dry	0.49	10/08/10 13:20	10/22/10 19:49	EPA 6010
7440-50-8	Copper	12		mg/kg dry	0.99	10/08/10 13:20	10/22/10 19:49	EPA 6010
7439-89-6	Iron	22000		mg/kg dry	9.9	10/08/10 13:20	10/22/10 19:49	EPA 6010
7439-92-1	Lead	70		mg/kg dry	0.99	10/08/10 13:29	10/27/10 18:14	EPA 200.8
7439-95-4	Magnesium	360		mg/kg dry	25	10/08/10 13:20	10/22/10 19:49	EPA 6010
7439-96-5	Manganese	2100		mg/kg dry	0.49	10/08/10 13:20	10/22/10 19:49	EPA 6010
7439-98-7	Molybdenum	0.99	U	mg/kg dry	0.99	10/08/10 13:20	10/22/10 19:49	EPA 6010
7440-02-0	Nickel	5.1		mg/kg dry	0.99	10/08/10 13:20	10/22/10 19:49	EPA 6010
7440-09-7	Potassium	380		mg/kg dry	99	10/08/10 13:20	10/22/10 19:49	EPA 6010
7782-49-2	Selenium	2.0	U	mg/kg dry	2.0	10/08/10 13:29	10/27/10 18:14	EPA 200.8
7440-22-4	Silver	0.49	U	mg/kg dry	0.49	10/08/10 13:20	10/22/10 19:49	EPA 6010
7440-23-5	Sodium	99	U	mg/kg dry	99	10/08/10 13:20	10/22/10 19:49	EPA 6010
7440-24-6	Strontium	9.4		mg/kg dry	0.49	10/08/10 13:20	10/22/10 19:49	EPA 6010
7440-28-0	Thallium	0.99	U	mg/kg dry	0.99	10/08/10 13:29	10/27/10 18:14	EPA 200.8
7440-31-5	Tin	1.5	U	mg/kg dry	1.5	10/08/10 13:20	10/22/10 19:49	EPA 6010
7440-32-6	Titanium	29		mg/kg dry	0.49	10/08/10 13:20	10/22/10 19:49	EPA 6010
7440-62-2	Vanadium	33		mg/kg dry	0.49	10/08/10 13:20	10/22/10 19:49	EPA 6010
7440-65-5	Yttrium	6.0		mg/kg dry	0.30	10/08/10 13:20	10/22/10 19:49	EPA 6010
7440-66-6	Zinc	90		mg/kg dry	0.99	10/08/10 13:20	10/22/10 19:49	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: 10-0656

Project: 10-0656, Sloss Industries Corporation - Reported by Sallie Hale

## Physical Properties

**Project: 10-0656, Sloss Industries Corporation**

**Sample ID:** WC05-SF

**Lab ID:** E104001-12

**Station ID:** WC05

**Matrix:** Surface Soil

**Date Collected:** 9/23/10 9:50

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
E1642941	% Solids	93		%		10/05/10 14:06	10/06/10 13:37	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: 10-0656

Project: 10-0656, Sloss Industries Corporation - Reported by Sallie Hale

## Total Metals

Project: 10-0656, Sloss Industries Corporation

Sample ID: WC05-SF#60

Lab ID: E104001-13

Station ID: WC05

Matrix: Surface Soil

Date Collected: 9/23/10 9:50

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7429-90-5	Aluminum	6200		mg/kg dry	10	10/08/10 13:20	10/22/10 20:29	EPA 6010
7440-36-0	Antimony	1.0	U	mg/kg dry	1.0	10/08/10 13:29	10/27/10 18:18	EPA 200.8
7440-38-2	Arsenic	2.4		mg/kg dry	1.0	10/08/10 13:29	10/27/10 18:18	EPA 200.8
7440-39-3	Barium	86		mg/kg dry	0.50	10/08/10 13:20	10/22/10 20:29	EPA 6010
7440-41-7	Beryllium	0.66		mg/kg dry	0.30	10/08/10 13:20	10/22/10 20:29	EPA 6010
7440-43-9	Cadmium	0.50	U	mg/kg dry	0.50	10/08/10 13:29	10/27/10 18:18	EPA 200.8
7440-70-2	Calcium	2700		mg/kg dry	25	10/08/10 13:20	10/22/10 20:29	EPA 6010
7440-47-3	Chromium	12		mg/kg dry	0.50	10/08/10 13:20	10/22/10 20:29	EPA 6010
7440-48-4	Cobalt	13		mg/kg dry	0.50	10/08/10 13:20	10/22/10 20:29	EPA 6010
7440-50-8	Copper	13		mg/kg dry	1.0	10/08/10 13:20	10/22/10 20:29	EPA 6010
7439-89-6	Iron	12000		mg/kg dry	10	10/08/10 13:20	10/22/10 20:29	EPA 6010
7439-92-1	Lead	63		mg/kg dry	1.0	10/08/10 13:29	10/27/10 18:18	EPA 200.8
7439-95-4	Magnesium	380		mg/kg dry	25	10/08/10 13:20	10/22/10 20:29	EPA 6010
7439-96-5	Manganese	1700		mg/kg dry	0.50	10/08/10 13:20	10/22/10 20:29	EPA 6010
7439-98-7	Molybdenum	1.0	U	mg/kg dry	1.0	10/08/10 13:20	10/22/10 20:29	EPA 6010
7440-02-0	Nickel	4.8		mg/kg dry	1.0	10/08/10 13:20	10/22/10 20:29	EPA 6010
7440-09-7	Potassium	400		mg/kg dry	100	10/08/10 13:20	10/22/10 20:29	EPA 6010
7782-49-2	Selenium	2.0	U	mg/kg dry	2.0	10/08/10 13:29	10/27/10 18:18	EPA 200.8
7440-22-4	Silver	0.50	U	mg/kg dry	0.50	10/08/10 13:20	10/22/10 20:29	EPA 6010
7440-23-5	Sodium	100	U	mg/kg dry	100	10/08/10 13:20	10/22/10 20:29	EPA 6010
7440-24-6	Strontium	9.8		mg/kg dry	0.50	10/08/10 13:20	10/22/10 20:29	EPA 6010
7440-28-0	Thallium	1.0	U	mg/kg dry	1.0	10/08/10 13:29	10/27/10 18:18	EPA 200.8
7440-31-5	Tin	1.5	U	mg/kg dry	1.5	10/08/10 13:20	10/22/10 20:29	EPA 6010
7440-32-6	Titanium	26		mg/kg dry	0.50	10/08/10 13:20	10/22/10 20:29	EPA 6010
7440-62-2	Vanadium	20		mg/kg dry	0.50	10/08/10 13:20	10/22/10 20:29	EPA 6010
7440-65-5	Yttrium	6.1		mg/kg dry	0.30	10/08/10 13:20	10/22/10 20:29	EPA 6010
7440-66-6	Zinc	77		mg/kg dry	1.0	10/08/10 13:20	10/22/10 20:29	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: 10-0656

Project: 10-0656, Sloss Industries Corporation - Reported by Sallie Hale

## Total Metals

**Project: 10-0656, Sloss Industries Corporation**

**Sample ID: WC06-SB**

**Lab ID: E104001-14**

**Station ID: WC06**

**Matrix: Subsurface Soil**

**Date Collected: 9/23/10 10:45**

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
7429-90-5	Aluminum	17000		mg/kg dry	20	10/08/10 13:20	10/22/10 20:35	EPA 6010
7440-36-0	Antimony	1.0	U	mg/kg dry	1.0	10/08/10 13:29	10/27/10 18:22	EPA 200.8
7440-38-2	Arsenic	1.0	U	mg/kg dry	1.0	10/08/10 13:29	10/27/10 18:22	EPA 200.8
7440-39-3	Barium	240		mg/kg dry	1.0	10/08/10 13:20	10/22/10 20:35	EPA 6010
7440-41-7	Beryllium	2.1		mg/kg dry	0.60	10/08/10 13:20	10/22/10 20:35	EPA 6010
7440-43-9	Cadmium	0.50	U	mg/kg dry	0.50	10/08/10 13:29	10/27/10 18:22	EPA 200.8
7440-70-2	Calcium	5200		mg/kg dry	50	10/08/10 13:20	10/22/10 20:35	EPA 6010
7440-47-3	Chromium	40		mg/kg dry	1.0	10/08/10 13:20	10/22/10 20:35	EPA 6010
7440-48-4	Cobalt	27		mg/kg dry	1.0	10/08/10 13:20	10/22/10 20:35	EPA 6010
7440-50-8	Copper	5.1		mg/kg dry	2.0	10/08/10 13:20	10/22/10 20:35	EPA 6010
7439-89-6	Iron	46000		mg/kg dry	20	10/08/10 13:20	10/22/10 20:35	EPA 6010
7439-92-1	Lead	44		mg/kg dry	1.0	10/08/10 13:29	10/27/10 18:22	EPA 200.8
7439-95-4	Magnesium	580		mg/kg dry	50	10/08/10 13:20	10/22/10 20:35	EPA 6010
7439-96-5	Manganese	2800		mg/kg dry	1.0	10/08/10 13:20	10/22/10 20:35	EPA 6010
7439-98-7	Molybdenum	2.0	U	mg/kg dry	2.0	10/08/10 13:20	10/22/10 20:35	EPA 6010
7440-02-0	Nickel	10		mg/kg dry	2.0	10/08/10 13:20	10/22/10 20:35	EPA 6010
7440-09-7	Potassium	450		mg/kg dry	200	10/08/10 13:20	10/22/10 20:35	EPA 6010
7782-49-2	Selenium	2.0	U	mg/kg dry	2.0	10/08/10 13:29	10/27/10 18:22	EPA 200.8
7440-22-4	Silver	1.0	U	mg/kg dry	1.0	10/08/10 13:20	10/22/10 20:35	EPA 6010
7440-23-5	Sodium	200	U	mg/kg dry	200	10/08/10 13:20	10/22/10 20:35	EPA 6010
7440-24-6	Strontium	17		mg/kg dry	1.0	10/08/10 13:20	10/22/10 20:35	EPA 6010
7440-28-0	Thallium	1.0	U	mg/kg dry	1.0	10/08/10 13:29	10/27/10 18:22	EPA 200.8
7440-31-5	Tin	3.0	U	mg/kg dry	3.0	10/08/10 13:20	10/22/10 20:35	EPA 6010
7440-32-6	Titanium	2.2		mg/kg dry	1.0	10/08/10 13:20	10/22/10 20:35	EPA 6010
7440-62-2	Vanadium	45		mg/kg dry	1.0	10/08/10 13:20	10/22/10 20:35	EPA 6010
7440-65-5	Yttrium	13		mg/kg dry	0.60	10/08/10 13:20	10/22/10 20:35	EPA 6010
7440-66-6	Zinc	21		mg/kg dry	2.0	10/08/10 13:20	10/22/10 20:35	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: 10-0656

Project: 10-0656, Sloss Industries Corporation - Reported by Sallie Hale

## Physical Properties

**Project: 10-0656, Sloss Industries Corporation**

**Sample ID:** WC06-SB

**Lab ID:** E104001-14

**Station ID:** WC06

**Matrix:** Subsurface Soil

**Date Collected:** 9/23/10 10:45

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
E1642941	% Solids	84		%		10/05/10 14:06	10/06/10 13:37	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: 10-0656

Project: 10-0656, Sloss Industries Corporation - Reported by Sallie Hale

## Semi Volatile Organics

Project: 10-0656, Sloss Industries Corporation

Sample ID: WC06-SF

Lab ID: E104001-15

Station ID: WC06

Matrix: Surface Soil

Date Collected: 9/23/10 10:15

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
91-57-6	2-Methylnaphthalene	36	U	ug/kg dry	36	9/30/10 12:01	10/08/10 14:23	EPA 8270D
83-32-9	Acenaphthene	36	U	ug/kg dry	36	9/30/10 12:01	10/08/10 14:23	EPA 8270D
208-96-8	Acenaphthylene	36	U	ug/kg dry	36	9/30/10 12:01	10/08/10 14:23	EPA 8270D
120-12-7	Anthracene	36	U	ug/kg dry	36	9/30/10 12:01	10/08/10 14:23	EPA 8270D
56-55-3	Benzo(a)anthracene	36	U	ug/kg dry	36	9/30/10 12:01	10/08/10 14:23	EPA 8270D
50-32-8	Benzo(a)pyrene	36	U	ug/kg dry	36	9/30/10 12:01	10/08/10 14:23	EPA 8270D
205-99-2	Benzo(b)fluoranthene	36	U	ug/kg dry	36	9/30/10 12:01	10/08/10 14:23	EPA 8270D
191-24-2	Benzo(g,h,i)perylene	38		ug/kg dry	36	9/30/10 12:01	10/08/10 14:23	EPA 8270D
207-08-9	Benzo(k)fluoranthene	36	U	ug/kg dry	36	9/30/10 12:01	10/08/10 14:23	EPA 8270D
218-01-9	Chrysene	40		ug/kg dry	36	9/30/10 12:01	10/08/10 14:23	EPA 8270D
53-70-3	Dibenz(a,h)anthracene	36	U	ug/kg dry	36	9/30/10 12:01	10/08/10 14:23	EPA 8270D
206-44-0	Fluoranthene	36	U	ug/kg dry	36	9/30/10 12:01	10/08/10 14:23	EPA 8270D
86-73-7	Fluorene	36	U	ug/kg dry	36	9/30/10 12:01	10/08/10 14:23	EPA 8270D
193-39-5	Indeno (1,2,3-cd) pyrene	36	U	ug/kg dry	36	9/30/10 12:01	10/08/10 14:23	EPA 8270D
91-20-3	Naphthalene	36	U	ug/kg dry	36	9/30/10 12:01	10/08/10 14:23	EPA 8270D
85-01-8	Phenanthrene	36	U	ug/kg dry	36	9/30/10 12:01	10/08/10 14:23	EPA 8270D
129-00-0	Pyrene	36	U	ug/kg dry	36	9/30/10 12:01	10/08/10 14:23	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: 10-0656

Project: 10-0656, Sloss Industries Corporation - Reported by Sallie Hale

## Total Metals

Project: 10-0656, Sloss Industries Corporation

Sample ID: WC06-SF

Lab ID: E104001-15

Station ID: WC06

Matrix: Surface Soil

Date Collected: 9/23/10 10:15

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7429-90-5	Aluminum	7200		mg/kg dry	10	10/08/10 13:20	10/22/10 20:42	EPA 6010
7440-36-0	Antimony	1.0	U	mg/kg dry	1.0	10/08/10 13:29	10/27/10 18:26	EPA 200.8
7440-38-2	Arsenic	1.7		mg/kg dry	1.0	10/08/10 13:29	10/27/10 18:26	EPA 200.8
7440-39-3	Barium	110		mg/kg dry	0.50	10/08/10 13:20	10/22/10 20:42	EPA 6010
7440-41-7	Beryllium	1.3		mg/kg dry	0.30	10/08/10 13:20	10/22/10 20:42	EPA 6010
7440-43-9	Cadmium	0.79		mg/kg dry	0.50	10/08/10 13:29	10/27/10 18:26	EPA 200.8
7440-70-2	Calcium	3100		mg/kg dry	25	10/08/10 13:20	10/22/10 20:42	EPA 6010
7440-47-3	Chromium	30		mg/kg dry	0.50	10/08/10 13:20	10/22/10 20:42	EPA 6010
7440-48-4	Cobalt	13		mg/kg dry	0.50	10/08/10 13:20	10/22/10 20:42	EPA 6010
7440-50-8	Copper	14		mg/kg dry	1.0	10/08/10 13:20	10/22/10 20:42	EPA 6010
7439-89-6	Iron	24000		mg/kg dry	10	10/08/10 13:20	10/22/10 20:42	EPA 6010
7439-92-1	Lead	180		mg/kg dry	1.0	10/08/10 13:29	10/27/10 18:26	EPA 200.8
7439-95-4	Magnesium	510		mg/kg dry	25	10/08/10 13:20	10/22/10 20:42	EPA 6010
7439-96-5	Manganese	1700		mg/kg dry	0.50	10/08/10 13:20	10/22/10 20:42	EPA 6010
7439-98-7	Molybdenum	1.0	U	mg/kg dry	1.0	10/08/10 13:20	10/22/10 20:42	EPA 6010
7440-02-0	Nickel	6.3		mg/kg dry	1.0	10/08/10 13:20	10/22/10 20:42	EPA 6010
7440-09-7	Potassium	270		mg/kg dry	100	10/08/10 13:20	10/22/10 20:42	EPA 6010
7782-49-2	Selenium	2.0	U	mg/kg dry	2.0	10/08/10 13:29	10/27/10 18:26	EPA 200.8
7440-22-4	Silver	0.50	U	mg/kg dry	0.50	10/08/10 13:20	10/22/10 20:42	EPA 6010
7440-23-5	Sodium	100	U	mg/kg dry	100	10/08/10 13:20	10/22/10 20:42	EPA 6010
7440-24-6	Strontium	8.0		mg/kg dry	0.50	10/08/10 13:20	10/22/10 20:42	EPA 6010
7440-28-0	Thallium	1.0	U	mg/kg dry	1.0	10/08/10 13:29	10/27/10 18:26	EPA 200.8
7440-31-5	Tin	1.5	U	mg/kg dry	1.5	10/08/10 13:20	10/22/10 20:42	EPA 6010
7440-32-6	Titanium	8.6		mg/kg dry	0.50	10/08/10 13:20	10/22/10 20:42	EPA 6010
7440-62-2	Vanadium	30		mg/kg dry	0.50	10/08/10 13:20	10/22/10 20:42	EPA 6010
7440-65-5	Yttrium	9.7		mg/kg dry	0.30	10/08/10 13:20	10/22/10 20:42	EPA 6010
7440-66-6	Zinc	190		mg/kg dry	1.0	10/08/10 13:20	10/22/10 20:42	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: 10-0656

Project: 10-0656, Sloss Industries Corporation - Reported by Sallie Hale

## Physical Properties

**Project: 10-0656, Sloss Industries Corporation**

**Sample ID:** WC06-SF

**Lab ID:** E104001-15

**Station ID:** WC06

**Matrix:** Surface Soil

**Date Collected:** 9/23/10 10:15

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
E1642941	% Solids	91		%		10/05/10 14:06	10/06/10 13:37	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: 10-0656

Project: 10-0656, Sloss Industries Corporation - Reported by Sallie Hale

## Total Metals

Project: 10-0656, Sloss Industries Corporation

Sample ID: WC06-SF#60

Lab ID: E104001-16

Station ID: WC06

Matrix: Surface Soil

Date Collected: 9/23/10 10:15

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7429-90-5	Aluminum	6200		mg/kg dry	10	10/08/10 13:20	10/22/10 20:49	EPA 6010
7440-36-0	Antimony	1.0	U	mg/kg dry	1.0	10/08/10 13:29	10/27/10 18:30	EPA 200.8
7440-38-2	Arsenic	1.6		mg/kg dry	1.0	10/08/10 13:29	10/27/10 18:30	EPA 200.8
7440-39-3	Barium	94		mg/kg dry	0.50	10/08/10 13:20	10/22/10 20:49	EPA 6010
7440-41-7	Beryllium	0.75		mg/kg dry	0.30	10/08/10 13:20	10/22/10 20:49	EPA 6010
7440-43-9	Cadmium	0.83		mg/kg dry	0.50	10/08/10 13:29	10/27/10 18:30	EPA 200.8
7440-70-2	Calcium	3400		mg/kg dry	25	10/08/10 13:20	10/22/10 20:49	EPA 6010
7440-47-3	Chromium	13		mg/kg dry	0.50	10/08/10 13:20	10/22/10 20:49	EPA 6010
7440-48-4	Cobalt	5.0		mg/kg dry	0.50	10/08/10 13:20	10/22/10 20:49	EPA 6010
7440-50-8	Copper	22		mg/kg dry	1.0	10/08/10 13:20	10/22/10 20:49	EPA 6010
7439-89-6	Iron	11000		mg/kg dry	10	10/08/10 13:20	10/22/10 20:49	EPA 6010
7439-92-1	Lead	200		mg/kg dry	1.0	10/08/10 13:29	10/27/10 18:30	EPA 200.8
7439-95-4	Magnesium	580		mg/kg dry	25	10/08/10 13:20	10/22/10 20:49	EPA 6010
7439-96-5	Manganese	640		mg/kg dry	0.50	10/08/10 13:20	10/22/10 20:49	EPA 6010
7439-98-7	Molybdenum	1.0	U	mg/kg dry	1.0	10/08/10 13:20	10/22/10 20:49	EPA 6010
7440-02-0	Nickel	4.9		mg/kg dry	1.0	10/08/10 13:20	10/22/10 20:49	EPA 6010
7440-09-7	Potassium	320		mg/kg dry	100	10/08/10 13:20	10/22/10 20:49	EPA 6010
7782-49-2	Selenium	2.0	U	mg/kg dry	2.0	10/08/10 13:29	10/27/10 18:30	EPA 200.8
7440-22-4	Silver	0.50	U	mg/kg dry	0.50	10/08/10 13:20	10/22/10 20:49	EPA 6010
7440-23-5	Sodium	100	U	mg/kg dry	100	10/08/10 13:20	10/22/10 20:49	EPA 6010
7440-24-6	Strontium	8.6		mg/kg dry	0.50	10/08/10 13:20	10/22/10 20:49	EPA 6010
7440-28-0	Thallium	1.0	U	mg/kg dry	1.0	10/08/10 13:29	10/27/10 18:30	EPA 200.8
7440-31-5	Tin	24		mg/kg dry	1.5	10/08/10 13:20	10/22/10 20:49	EPA 6010
7440-32-6	Titanium	8.4		mg/kg dry	0.50	10/08/10 13:20	10/22/10 20:49	EPA 6010
7440-62-2	Vanadium	16		mg/kg dry	0.50	10/08/10 13:20	10/22/10 20:49	EPA 6010
7440-65-5	Yttrium	9.2		mg/kg dry	0.30	10/08/10 13:20	10/22/10 20:49	EPA 6010
7440-66-6	Zinc	210		mg/kg dry	1.0	10/08/10 13:20	10/22/10 20:49	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: 10-0656

Project: 10-0656, Sloss Industries Corporation - Reported by Sallie Hale

## Total Metals

Project: 10-0656, Sloss Industries Corporation

Sample ID: WC07-SB

Lab ID: E104001-17

Station ID: WC07

Matrix: Subsurface Soil

Date Collected: 9/23/10 12:50

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7429-90-5	Aluminum	9900		mg/kg dry	10	10/08/10 13:20	10/22/10 20:56	EPA 6010
7440-36-0	Antimony	1.0	U	mg/kg dry	1.0	10/08/10 13:29	10/27/10 18:34	EPA 200.8
7440-38-2	Arsenic	1.0	U	mg/kg dry	1.0	10/08/10 13:29	10/27/10 18:34	EPA 200.8
7440-39-3	Barium	23		mg/kg dry	0.50	10/08/10 13:20	10/22/10 20:56	EPA 6010
7440-41-7	Beryllium	0.34		mg/kg dry	0.30	10/08/10 13:20	10/22/10 20:56	EPA 6010
7440-43-9	Cadmium	0.50	U	mg/kg dry	0.50	10/08/10 13:29	10/27/10 18:34	EPA 200.8
7440-70-2	Calcium	580		mg/kg dry	25	10/08/10 13:20	10/22/10 20:56	EPA 6010
7440-47-3	Chromium	44		mg/kg dry	0.50	10/08/10 13:20	10/22/10 20:56	EPA 6010
7440-48-4	Cobalt	13		mg/kg dry	0.50	10/08/10 13:20	10/22/10 20:56	EPA 6010
7440-50-8	Copper	4.3		mg/kg dry	1.0	10/08/10 13:20	10/22/10 20:56	EPA 6010
7439-89-6	Iron	31000		mg/kg dry	10	10/08/10 13:20	10/22/10 20:56	EPA 6010
7439-92-1	Lead	30		mg/kg dry	1.0	10/08/10 13:29	10/27/10 18:34	EPA 200.8
7439-95-4	Magnesium	300		mg/kg dry	25	10/08/10 13:20	10/22/10 20:56	EPA 6010
7439-96-5	Manganese	840		mg/kg dry	0.50	10/08/10 13:20	10/22/10 20:56	EPA 6010
7439-98-7	Molybdenum	1.0	U	mg/kg dry	1.0	10/08/10 13:20	10/22/10 20:56	EPA 6010
7440-02-0	Nickel	3.4		mg/kg dry	1.0	10/08/10 13:20	10/22/10 20:56	EPA 6010
7440-09-7	Potassium	220		mg/kg dry	100	10/08/10 13:20	10/22/10 20:56	EPA 6010
7782-49-2	Selenium	2.0	U	mg/kg dry	2.0	10/08/10 13:29	10/27/10 18:34	EPA 200.8
7440-22-4	Silver	0.50	U	mg/kg dry	0.50	10/08/10 13:20	10/22/10 20:56	EPA 6010
7440-23-5	Sodium	100	U	mg/kg dry	100	10/08/10 13:20	10/22/10 20:56	EPA 6010
7440-24-6	Strontium	2.7		mg/kg dry	0.50	10/08/10 13:20	10/22/10 20:56	EPA 6010
7440-28-0	Thallium	1.0	U	mg/kg dry	1.0	10/08/10 13:29	10/27/10 18:34	EPA 200.8
7440-31-5	Tin	1.5	U	mg/kg dry	1.5	10/08/10 13:20	10/22/10 20:56	EPA 6010
7440-32-6	Titanium	14		mg/kg dry	0.50	10/08/10 13:20	10/22/10 20:56	EPA 6010
7440-62-2	Vanadium	44		mg/kg dry	0.50	10/08/10 13:20	10/22/10 20:56	EPA 6010
7440-65-5	Yttrium	1.7		mg/kg dry	0.30	10/08/10 13:20	10/22/10 20:56	EPA 6010
7440-66-6	Zinc	13		mg/kg dry	1.0	10/08/10 13:20	10/22/10 20:56	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: 10-0656

Project: 10-0656, Sloss Industries Corporation - Reported by Sallie Hale

## Physical Properties

**Project: 10-0656, Sloss Industries Corporation**

**Sample ID:** WC07-SB

**Lab ID:** E104001-17

**Station ID:** WC07

**Matrix:** Subsurface Soil

**Date Collected:** 9/23/10 12:50

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
E1642941	% Solids	85		%		10/05/10 14:06	10/06/10 13:37	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: 10-0656

Project: 10-0656, Sloss Industries Corporation - Reported by Sallie Hale

## Semi Volatile Organics

Project: 10-0656, Sloss Industries Corporation

Sample ID: WC07-SF

Lab ID: E104001-18

Station ID: WC07

Matrix: Surface Soil

Date Collected: 9/23/10 12:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
91-57-6	2-Methylnaphthalene	36	U	ug/kg dry	36	9/30/10 12:01	10/07/10 14:16	EPA 8270D
83-32-9	Acenaphthene	36	U	ug/kg dry	36	9/30/10 12:01	10/07/10 14:16	EPA 8270D
208-96-8	Acenaphthylene	36	U	ug/kg dry	36	9/30/10 12:01	10/07/10 14:16	EPA 8270D
120-12-7	Anthracene	36	U	ug/kg dry	36	9/30/10 12:01	10/07/10 14:16	EPA 8270D
56-55-3	Benzo(a)anthracene	36	U	ug/kg dry	36	9/30/10 12:01	10/07/10 14:16	EPA 8270D
50-32-8	Benzo(a)pyrene	36	U	ug/kg dry	36	9/30/10 12:01	10/07/10 14:16	EPA 8270D
205-99-2	Benzo(b)fluoranthene	36	U	ug/kg dry	36	9/30/10 12:01	10/07/10 14:16	EPA 8270D
191-24-2	Benzo(g,h,i)perylene	36	U	ug/kg dry	36	9/30/10 12:01	10/07/10 14:16	EPA 8270D
207-08-9	Benzo(k)fluoranthene	36	U	ug/kg dry	36	9/30/10 12:01	10/07/10 14:16	EPA 8270D
218-01-9	Chrysene	36	U	ug/kg dry	36	9/30/10 12:01	10/07/10 14:16	EPA 8270D
53-70-3	Dibenz(a,h)anthracene	36	U	ug/kg dry	36	9/30/10 12:01	10/07/10 14:16	EPA 8270D
206-44-0	Fluoranthene	36	U	ug/kg dry	36	9/30/10 12:01	10/07/10 14:16	EPA 8270D
86-73-7	Fluorene	36	U	ug/kg dry	36	9/30/10 12:01	10/07/10 14:16	EPA 8270D
193-39-5	Indeno (1,2,3-cd) pyrene	36	U	ug/kg dry	36	9/30/10 12:01	10/07/10 14:16	EPA 8270D
91-20-3	Naphthalene	36	U	ug/kg dry	36	9/30/10 12:01	10/07/10 14:16	EPA 8270D
85-01-8	Phenanthrene	36	U	ug/kg dry	36	9/30/10 12:01	10/07/10 14:16	EPA 8270D
129-00-0	Pyrene	36	U	ug/kg dry	36	9/30/10 12:01	10/07/10 14:16	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: 10-0656

Project: 10-0656, Sloss Industries Corporation - Reported by Sallie Hale

## Total Metals

Project: 10-0656, Sloss Industries Corporation

Sample ID: WC07-SF

Lab ID: E104001-18

Station ID: WC07

Matrix: Surface Soil

Date Collected: 9/23/10 12:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7429-90-5	Aluminum	6400		mg/kg dry	10	10/08/10 13:20	10/22/10 21:02	EPA 6010
7440-36-0	Antimony	1.0	U	mg/kg dry	1.0	10/08/10 13:29	10/27/10 18:39	EPA 200.8
7440-38-2	Arsenic	2.3		mg/kg dry	1.0	10/08/10 13:29	10/27/10 18:39	EPA 200.8
7440-39-3	Barium	69		mg/kg dry	0.50	10/08/10 13:20	10/22/10 21:02	EPA 6010
7440-41-7	Beryllium	0.59		mg/kg dry	0.30	10/08/10 13:20	10/22/10 21:02	EPA 6010
7440-43-9	Cadmium	0.50	U	mg/kg dry	0.50	10/08/10 13:29	10/27/10 18:39	EPA 200.8
7440-70-2	Calcium	2600		mg/kg dry	25	10/08/10 13:20	10/22/10 21:02	EPA 6010
7440-47-3	Chromium	24		mg/kg dry	0.50	10/08/10 13:20	10/22/10 21:02	EPA 6010
7440-48-4	Cobalt	13		mg/kg dry	0.50	10/08/10 13:20	10/22/10 21:02	EPA 6010
7440-50-8	Copper	11		mg/kg dry	1.0	10/08/10 13:20	10/22/10 21:02	EPA 6010
7439-89-6	Iron	16000		mg/kg dry	10	10/08/10 13:20	10/22/10 21:02	EPA 6010
7439-92-1	Lead	63		mg/kg dry	1.0	10/08/10 13:29	10/27/10 18:39	EPA 200.8
7439-95-4	Magnesium	680		mg/kg dry	25	10/08/10 13:20	10/22/10 21:02	EPA 6010
7439-96-5	Manganese	1500		mg/kg dry	0.50	10/08/10 13:20	10/22/10 21:02	EPA 6010
7439-98-7	Molybdenum	1.0	U	mg/kg dry	1.0	10/08/10 13:20	10/22/10 21:02	EPA 6010
7440-02-0	Nickel	5.8		mg/kg dry	1.0	10/08/10 13:20	10/22/10 21:02	EPA 6010
7440-09-7	Potassium	470		mg/kg dry	100	10/08/10 13:20	10/22/10 21:02	EPA 6010
7782-49-2	Selenium	2.0	U	mg/kg dry	2.0	10/08/10 13:29	10/27/10 18:39	EPA 200.8
7440-22-4	Silver	0.50	U	mg/kg dry	0.50	10/08/10 13:20	10/22/10 21:02	EPA 6010
7440-23-5	Sodium	100	U	mg/kg dry	100	10/08/10 13:20	10/22/10 21:02	EPA 6010
7440-24-6	Strontium	5.5		mg/kg dry	0.50	10/08/10 13:20	10/22/10 21:02	EPA 6010
7440-28-0	Thallium	1.0	U	mg/kg dry	1.0	10/08/10 13:29	10/27/10 18:39	EPA 200.8
7440-31-5	Tin	1.5	U	mg/kg dry	1.5	10/08/10 13:20	10/22/10 21:02	EPA 6010
7440-32-6	Titanium	37		mg/kg dry	0.50	10/08/10 13:20	10/22/10 21:02	EPA 6010
7440-62-2	Vanadium	28		mg/kg dry	0.50	10/08/10 13:20	10/22/10 21:02	EPA 6010
7440-65-5	Yttrium	6.5		mg/kg dry	0.30	10/08/10 13:20	10/22/10 21:02	EPA 6010
7440-66-6	Zinc	71		mg/kg dry	1.0	10/08/10 13:20	10/22/10 21:02	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: 10-0656

Project: 10-0656, Sloss Industries Corporation - Reported by Sallie Hale

## Physical Properties

**Project: 10-0656, Sloss Industries Corporation**

**Sample ID:** WC07-SF

**Lab ID:** E104001-18

**Station ID:** WC07

**Matrix:** Surface Soil

**Date Collected:** 9/23/10 12:00

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
E1642941	% Solids	91		%		10/05/10 14:06	10/06/10 13:37	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: 10-0656

Project: 10-0656, Sloss Industries Corporation - Reported by Sallie Hale

## Total Metals

Project: 10-0656, Sloss Industries Corporation

Sample ID: WC07-SF#60

Lab ID: E104001-19

Station ID: WC07

Matrix: Surface Soil

Date Collected: 9/23/10 12:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7429-90-5	Aluminum	5900		mg/kg dry	10	10/08/10 13:20	10/22/10 21:09	EPA 6010
7440-36-0	Antimony	1.0	U	mg/kg dry	1.0	10/08/10 13:29	10/27/10 18:43	EPA 200.8
7440-38-2	Arsenic	2.2		mg/kg dry	1.0	10/08/10 13:29	10/27/10 18:43	EPA 200.8
7440-39-3	Barium	74		mg/kg dry	0.50	10/08/10 13:20	10/22/10 21:09	EPA 6010
7440-41-7	Beryllium	0.52		mg/kg dry	0.30	10/08/10 13:20	10/22/10 21:09	EPA 6010
7440-43-9	Cadmium	0.50	U	mg/kg dry	0.50	10/08/10 13:29	10/27/10 18:43	EPA 200.8
7440-70-2	Calcium	3100		mg/kg dry	25	10/08/10 13:20	10/22/10 21:09	EPA 6010
7440-47-3	Chromium	13		mg/kg dry	0.50	10/08/10 13:20	10/22/10 21:09	EPA 6010
7440-48-4	Cobalt	11		mg/kg dry	0.50	10/08/10 13:20	10/22/10 21:09	EPA 6010
7440-50-8	Copper	12		mg/kg dry	1.0	10/08/10 13:20	10/22/10 21:09	EPA 6010
7439-89-6	Iron	13000		mg/kg dry	10	10/08/10 13:20	10/22/10 21:09	EPA 6010
7439-92-1	Lead	61		mg/kg dry	1.0	10/08/10 13:29	10/27/10 18:43	EPA 200.8
7439-95-4	Magnesium	780		mg/kg dry	25	10/08/10 13:20	10/22/10 21:09	EPA 6010
7439-96-5	Manganese	1300		mg/kg dry	0.50	10/08/10 13:20	10/22/10 21:09	EPA 6010
7439-98-7	Molybdenum	1.0	U	mg/kg dry	1.0	10/08/10 13:20	10/22/10 21:09	EPA 6010
7440-02-0	Nickel	5.6		mg/kg dry	1.0	10/08/10 13:20	10/22/10 21:09	EPA 6010
7440-09-7	Potassium	500		mg/kg dry	100	10/08/10 13:20	10/22/10 21:09	EPA 6010
7782-49-2	Selenium	2.0	U	mg/kg dry	2.0	10/08/10 13:29	10/27/10 18:43	EPA 200.8
7440-22-4	Silver	0.50	U	mg/kg dry	0.50	10/08/10 13:20	10/22/10 21:09	EPA 6010
7440-23-5	Sodium	100	U	mg/kg dry	100	10/08/10 13:20	10/22/10 21:09	EPA 6010
7440-24-6	Strontium	6.2		mg/kg dry	0.50	10/08/10 13:20	10/22/10 21:09	EPA 6010
7440-28-0	Thallium	1.0	U	mg/kg dry	1.0	10/08/10 13:29	10/27/10 18:43	EPA 200.8
7440-31-5	Tin	2.2		mg/kg dry	1.5	10/08/10 13:20	10/22/10 21:09	EPA 6010
7440-32-6	Titanium	36		mg/kg dry	0.50	10/08/10 13:20	10/22/10 21:09	EPA 6010
7440-62-2	Vanadium	22		mg/kg dry	0.50	10/08/10 13:20	10/22/10 21:09	EPA 6010
7440-65-5	Yttrium	6.8		mg/kg dry	0.30	10/08/10 13:20	10/22/10 21:09	EPA 6010
7440-66-6	Zinc	74		mg/kg dry	1.0	10/08/10 13:20	10/22/10 21:09	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: 10-0656

Project: 10-0656, Sloss Industries Corporation - Reported by Sallie Hale

## Semi Volatile Organics

Project: 10-0656, Sloss Industries Corporation

Sample ID: WC09-SF

Lab ID: E104001-20

Station ID: WC09

Matrix: Surface Soil

Date Collected: 9/23/10 14:55

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
91-57-6	2-Methylnaphthalene	45		ug/kg dry	36	9/30/10 12:01	10/08/10 16:08	EPA 8270D
83-32-9	Acenaphthene	36	U	ug/kg dry	36	9/30/10 12:01	10/08/10 16:08	EPA 8270D
208-96-8	Acenaphthylene	36	U	ug/kg dry	36	9/30/10 12:01	10/08/10 16:08	EPA 8270D
120-12-7	Anthracene	80		ug/kg dry	36	9/30/10 12:01	10/08/10 16:08	EPA 8270D
56-55-3	Benzo(a)anthracene	620		ug/kg dry	36	9/30/10 12:01	10/08/10 16:08	EPA 8270D
50-32-8	Benzo(a)pyrene	530		ug/kg dry	36	9/30/10 12:01	10/08/10 16:08	EPA 8270D
205-99-2	Benzo(b)fluoranthene	650		ug/kg dry	36	9/30/10 12:01	10/08/10 16:08	EPA 8270D
191-24-2	Benzo(g,h,i)perylene	330		ug/kg dry	36	9/30/10 12:01	10/08/10 16:08	EPA 8270D
207-08-9	Benzo(k)fluoranthene	510		ug/kg dry	36	9/30/10 12:01	10/08/10 16:08	EPA 8270D
218-01-9	Chrysene	770		ug/kg dry	36	9/30/10 12:01	10/08/10 16:08	EPA 8270D
53-70-3	Dibenz(a,h)anthracene	150		ug/kg dry	36	9/30/10 12:01	10/08/10 16:08	EPA 8270D
206-44-0	Fluoranthene	1600		ug/kg dry	36	9/30/10 12:01	10/08/10 16:08	EPA 8270D
86-73-7	Fluorene	55		ug/kg dry	36	9/30/10 12:01	10/08/10 16:08	EPA 8270D
193-39-5	Indeno (1,2,3-cd) pyrene	320		ug/kg dry	36	9/30/10 12:01	10/08/10 16:08	EPA 8270D
91-20-3	Naphthalene	100		ug/kg dry	36	9/30/10 12:01	10/08/10 16:08	EPA 8270D
85-01-8	Phenanthrene	750		ug/kg dry	36	9/30/10 12:01	10/08/10 16:08	EPA 8270D
129-00-0	Pyrene	1400		ug/kg dry	36	9/30/10 12:01	10/08/10 16:08	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: 10-0656

Project: 10-0656, Sloss Industries Corporation - Reported by Sallie Hale

## Total Metals

Project: 10-0656, Sloss Industries Corporation

Sample ID: WC09-SF

Lab ID: E104001-20

Station ID: WC09

Matrix: Surface Soil

Date Collected: 9/23/10 14:55

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7429-90-5	Aluminum	5500		mg/kg dry	9.9	10/15/10 7:20	10/27/10 18:08	EPA 6010
7440-36-0	Antimony	0.99	U	mg/kg dry	0.99	10/15/10 7:25	10/29/10 16:43	EPA 200.8
7440-38-2	Arsenic	5.8		mg/kg dry	0.99	10/15/10 7:25	10/29/10 16:43	EPA 200.8
7440-39-3	Barium	70		mg/kg dry	0.49	10/15/10 7:20	10/27/10 18:08	EPA 6010
7440-41-7	Beryllium	0.43		mg/kg dry	0.30	10/15/10 7:20	10/27/10 18:08	EPA 6010
7440-43-9	Cadmium	0.49	U	mg/kg dry	0.49	10/15/10 7:25	10/29/10 16:43	EPA 200.8
7440-70-2	Calcium	6700		mg/kg dry	25	10/15/10 7:20	10/27/10 18:08	EPA 6010
7440-47-3	Chromium	22		mg/kg dry	0.49	10/15/10 7:20	10/27/10 18:08	EPA 6010
7440-48-4	Cobalt	7.8		mg/kg dry	0.49	10/15/10 7:20	10/27/10 18:08	EPA 6010
7440-50-8	Copper	16		mg/kg dry	0.99	10/15/10 7:20	10/27/10 18:08	EPA 6010
7439-89-6	Iron	16000		mg/kg dry	9.9	10/15/10 7:20	10/27/10 18:08	EPA 6010
7439-92-1	Lead	62		mg/kg dry	0.99	10/15/10 7:25	10/29/10 16:43	EPA 200.8
7439-95-4	Magnesium	2100		mg/kg dry	25	10/15/10 7:20	10/27/10 18:08	EPA 6010
7439-96-5	Manganese	950		mg/kg dry	0.49	10/15/10 7:20	10/27/10 18:08	EPA 6010
7439-98-7	Molybdenum	2.2	U, D-4	mg/kg dry	2.2	10/15/10 7:20	10/27/10 18:08	EPA 6010
7440-02-0	Nickel	5.5		mg/kg dry	0.99	10/15/10 7:20	10/27/10 18:08	EPA 6010
7440-09-7	Potassium	450		mg/kg dry	99	10/15/10 7:20	10/27/10 18:08	EPA 6010
7782-49-2	Selenium	2.0	U	mg/kg dry	2.0	10/15/10 7:25	10/29/10 16:43	EPA 200.8
7440-22-4	Silver	0.49	U	mg/kg dry	0.49	10/15/10 7:20	10/27/10 18:08	EPA 6010
7440-23-5	Sodium	99	U	mg/kg dry	99	10/15/10 7:20	10/27/10 18:08	EPA 6010
7440-24-6	Strontium	11		mg/kg dry	0.49	10/15/10 7:20	10/27/10 18:08	EPA 6010
7440-28-0	Thallium	0.99	U	mg/kg dry	0.99	10/15/10 7:25	10/29/10 16:43	EPA 200.8
7440-31-5	Tin	2.7		mg/kg dry	1.5	10/15/10 7:20	10/27/10 18:08	EPA 6010
7440-32-6	Titanium	43		mg/kg dry	0.49	10/15/10 7:20	10/27/10 18:08	EPA 6010
7440-62-2	Vanadium	25		mg/kg dry	0.49	10/15/10 7:20	10/27/10 18:08	EPA 6010
7440-65-5	Yttrium	4.6		mg/kg dry	0.30	10/15/10 7:20	10/27/10 18:08	EPA 6010
7440-66-6	Zinc	230		mg/kg dry	0.99	10/15/10 7:20	10/27/10 18:08	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: 10-0656

Project: 10-0656, Sloss Industries Corporation - Reported by Sallie Hale

## Physical Properties

**Project: 10-0656, Sloss Industries Corporation**

**Sample ID:** WC09-SF

**Lab ID:** E104001-20

**Station ID:** WC09

**Matrix:** Surface Soil

**Date Collected:** 9/23/10 14:55

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
E1642941	% Solids	91		%		10/12/10 15:53	10/13/10 18:13	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: 10-0656

Project: 10-0656, Sloss Industries Corporation - Reported by Sallie Hale

## Total Metals

Project: 10-0656, Sloss Industries Corporation

Sample ID: WC09-SF#60

Lab ID: E104001-21

Station ID: WC09

Matrix: Surface Soil

Date Collected: 9/23/10 14:55

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7429-90-5	Aluminum	5600		mg/kg dry	10	10/15/10 7:20	10/27/10 18:15	EPA 6010
7440-36-0	Antimony	1.0	U, J, QM-1	mg/kg dry	1.0	10/15/10 7:25	10/29/10 16:47	EPA 200.8
7440-38-2	Arsenic	4.4		mg/kg dry	1.0	10/15/10 7:25	10/29/10 16:47	EPA 200.8
7440-39-3	Barium	71		mg/kg dry	0.50	10/15/10 7:20	10/27/10 18:15	EPA 6010
7440-41-7	Beryllium	0.42		mg/kg dry	0.30	10/15/10 7:20	10/27/10 18:15	EPA 6010
7440-43-9	Cadmium	0.51		mg/kg dry	0.50	10/15/10 7:25	10/29/10 16:47	EPA 200.8
7440-70-2	Calcium	4500	J, QM-2	mg/kg dry	25	10/15/10 7:20	10/27/10 18:15	EPA 6010
7440-47-3	Chromium	12		mg/kg dry	0.50	10/15/10 7:20	10/27/10 18:15	EPA 6010
7440-48-4	Cobalt	6.5		mg/kg dry	0.50	10/15/10 7:20	10/27/10 18:15	EPA 6010
7440-50-8	Copper	20		mg/kg dry	1.0	10/15/10 7:20	10/27/10 18:15	EPA 6010
7439-89-6	Iron	12000		mg/kg dry	10	10/15/10 7:20	10/27/10 18:15	EPA 6010
7439-92-1	Lead	76		mg/kg dry	1.0	10/15/10 7:25	10/29/10 16:47	EPA 200.8
7439-95-4	Magnesium	1200		mg/kg dry	25	10/15/10 7:20	10/27/10 18:15	EPA 6010
7439-96-5	Manganese	760		mg/kg dry	0.50	10/15/10 7:20	10/27/10 18:15	EPA 6010
7439-98-7	Molybdenum	2.2	U, J, D-4, QM-1	mg/kg dry	2.2	10/15/10 7:20	10/27/10 18:15	EPA 6010
7440-02-0	Nickel	5.7		mg/kg dry	1.0	10/15/10 7:20	10/27/10 18:15	EPA 6010
7440-09-7	Potassium	330		mg/kg dry	100	10/15/10 7:20	10/27/10 18:15	EPA 6010
7782-49-2	Selenium	2.0	U, J, QM-1	mg/kg dry	2.0	10/15/10 7:25	10/29/10 16:47	EPA 200.8
7440-22-4	Silver	0.50	U	mg/kg dry	0.50	10/15/10 7:20	10/27/10 18:15	EPA 6010
7440-23-5	Sodium	100	U	mg/kg dry	100	10/15/10 7:20	10/27/10 18:15	EPA 6010
7440-24-6	Strontium	8.6		mg/kg dry	0.50	10/15/10 7:20	10/27/10 18:15	EPA 6010
7440-28-0	Thallium	1.0	U	mg/kg dry	1.0	10/15/10 7:25	10/29/10 16:47	EPA 200.8
7440-31-5	Tin	2.2	J, QM-1	mg/kg dry	1.5	10/15/10 7:20	10/27/10 18:15	EPA 6010
7440-32-6	Titanium	37	J, QM-1	mg/kg dry	0.50	10/15/10 7:20	10/27/10 18:15	EPA 6010
7440-62-2	Vanadium	19		mg/kg dry	0.50	10/15/10 7:20	10/27/10 18:15	EPA 6010
7440-65-5	Yttrium	5.2		mg/kg dry	0.30	10/15/10 7:20	10/27/10 18:15	EPA 6010
7440-66-6	Zinc	200	J, QM-2	mg/kg dry	1.0	10/15/10 7:20	10/27/10 18:15	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: 10-0656

Project: 10-0656, Sloss Industries Corporation - Reported by Sallie Hale

## Semi Volatile Organics

Project: 10-0656, Sloss Industries Corporation

Sample ID: WC10-SF

Lab ID: E104001-22

Station ID: WC10

Matrix: Surface Soil

Date Collected: 9/23/10 15:55

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
91-57-6	2-Methylnaphthalene	88		ug/kg dry	35	9/30/10 12:01	10/08/10 16:42	EPA 8270D
83-32-9	Acenaphthene	35	U	ug/kg dry	35	9/30/10 12:01	10/08/10 16:42	EPA 8270D
208-96-8	Acenaphthylene	35	U	ug/kg dry	35	9/30/10 12:01	10/08/10 16:42	EPA 8270D
120-12-7	Anthracene	35	U	ug/kg dry	35	9/30/10 12:01	10/08/10 16:42	EPA 8270D
56-55-3	Benzo(a)anthracene	110		ug/kg dry	35	9/30/10 12:01	10/08/10 16:42	EPA 8270D
50-32-8	Benzo(a)pyrene	140		ug/kg dry	35	9/30/10 12:01	10/08/10 16:42	EPA 8270D
205-99-2	Benzo(b)fluoranthene	200		ug/kg dry	35	9/30/10 12:01	10/08/10 16:42	EPA 8270D
191-24-2	Benzo(g,h,i)perylene	140		ug/kg dry	35	9/30/10 12:01	10/08/10 16:42	EPA 8270D
207-08-9	Benzo(k)fluoranthene	120		ug/kg dry	35	9/30/10 12:01	10/08/10 16:42	EPA 8270D
218-01-9	Chrysene	170		ug/kg dry	35	9/30/10 12:01	10/08/10 16:42	EPA 8270D
53-70-3	Dibenz(a,h)anthracene	49		ug/kg dry	35	9/30/10 12:01	10/08/10 16:42	EPA 8270D
206-44-0	Fluoranthene	110		ug/kg dry	35	9/30/10 12:01	10/08/10 16:42	EPA 8270D
86-73-7	Fluorene	35	U	ug/kg dry	35	9/30/10 12:01	10/08/10 16:42	EPA 8270D
193-39-5	Indeno (1,2,3-cd) pyrene	130		ug/kg dry	35	9/30/10 12:01	10/08/10 16:42	EPA 8270D
91-20-3	Naphthalene	56		ug/kg dry	35	9/30/10 12:01	10/08/10 16:42	EPA 8270D
85-01-8	Phenanthrene	100		ug/kg dry	35	9/30/10 12:01	10/08/10 16:42	EPA 8270D
129-00-0	Pyrene	140		ug/kg dry	35	9/30/10 12:01	10/08/10 16:42	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: 10-0656

Project: 10-0656, Sloss Industries Corporation - Reported by Sallie Hale

## Total Metals

Project: 10-0656, Sloss Industries Corporation

Sample ID: WC10-SF

Lab ID: E104001-22

Station ID: WC10

Matrix: Surface Soil

Date Collected: 9/23/10 15:55

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7429-90-5	Aluminum	7400		mg/kg dry	20	10/15/10 7:20	10/27/10 18:36	EPA 6010
7440-36-0	Antimony	1.0	U	mg/kg dry	1.0	10/15/10 7:25	10/29/10 17:07	EPA 200.8
7440-38-2	Arsenic	3.1		mg/kg dry	1.0	10/15/10 7:25	10/29/10 17:07	EPA 200.8
7440-39-3	Barium	250		mg/kg dry	1.0	10/15/10 7:20	10/27/10 18:36	EPA 6010
7440-41-7	Beryllium	1.7		mg/kg dry	0.60	10/15/10 7:20	10/27/10 18:36	EPA 6010
7440-43-9	Cadmium	0.89		mg/kg dry	0.50	10/15/10 7:25	10/29/10 17:07	EPA 200.8
7440-70-2	Calcium	47000		mg/kg dry	50	10/15/10 7:20	10/27/10 18:36	EPA 6010
7440-47-3	Chromium	50		mg/kg dry	1.0	10/15/10 7:20	10/27/10 18:36	EPA 6010
7440-48-4	Cobalt	22		mg/kg dry	1.0	10/15/10 7:20	10/27/10 18:36	EPA 6010
7440-50-8	Copper	17		mg/kg dry	2.0	10/15/10 7:20	10/27/10 18:36	EPA 6010
7439-89-6	Iron	28000		mg/kg dry	20	10/15/10 7:20	10/27/10 18:36	EPA 6010
7439-92-1	Lead	85		mg/kg dry	1.0	10/15/10 7:25	10/29/10 17:07	EPA 200.8
7439-95-4	Magnesium	25000		mg/kg dry	50	10/15/10 7:20	10/27/10 18:36	EPA 6010
7439-96-5	Manganese	3700		mg/kg dry	1.0	10/15/10 7:20	10/27/10 18:36	EPA 6010
7439-98-7	Molybdenum	4.4	U, D-4	mg/kg dry	4.4	10/15/10 7:20	10/27/10 18:36	EPA 6010
7440-02-0	Nickel	7.9		mg/kg dry	2.0	10/15/10 7:20	10/27/10 18:36	EPA 6010
7440-09-7	Potassium	360		mg/kg dry	200	10/15/10 7:20	10/27/10 18:36	EPA 6010
7782-49-2	Selenium	2.0	U	mg/kg dry	2.0	10/15/10 7:25	10/29/10 17:07	EPA 200.8
7440-22-4	Silver	1.0	U	mg/kg dry	1.0	10/15/10 7:20	10/27/10 18:36	EPA 6010
7440-23-5	Sodium	200	U	mg/kg dry	200	10/15/10 7:20	10/27/10 18:36	EPA 6010
7440-24-6	Strontium	25		mg/kg dry	1.0	10/15/10 7:20	10/27/10 18:36	EPA 6010
7440-28-0	Thallium	1.0	U	mg/kg dry	1.0	10/15/10 7:25	10/29/10 17:07	EPA 200.8
7440-31-5	Tin	3.2		mg/kg dry	3.0	10/15/10 7:20	10/27/10 18:36	EPA 6010
7440-32-6	Titanium	120		mg/kg dry	1.0	10/15/10 7:20	10/27/10 18:36	EPA 6010
7440-62-2	Vanadium	42		mg/kg dry	1.0	10/15/10 7:20	10/27/10 18:36	EPA 6010
7440-65-5	Yttrium	12		mg/kg dry	0.60	10/15/10 7:20	10/27/10 18:36	EPA 6010
7440-66-6	Zinc	200		mg/kg dry	2.0	10/15/10 7:20	10/27/10 18:36	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: 10-0656

Project: 10-0656, Sloss Industries Corporation - Reported by Sallie Hale

## Physical Properties

**Project: 10-0656, Sloss Industries Corporation**

**Sample ID:** WC10-SF

**Lab ID:** E104001-22

**Station ID:** WC10

**Matrix:** Surface Soil

**Date Collected:** 9/23/10 15:55

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
E1642941	% Solids	93		%		10/12/10 15:53	10/13/10 18:13	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: 10-0656

Project: 10-0656, Sloss Industries Corporation - Reported by Sallie Hale

## Total Metals

Project: 10-0656, Sloss Industries Corporation

Sample ID: WC10-SF#60

Lab ID: E104001-23

Station ID: WC10

Matrix: Surface Soil

Date Collected: 9/23/10 15:55

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7429-90-5	Aluminum	6500		mg/kg dry	9.9	10/15/10 7:20	10/27/10 18:43	EPA 6010
7440-36-0	Antimony	0.99	U	mg/kg dry	0.99	10/15/10 7:25	10/29/10 17:12	EPA 200.8
7440-38-2	Arsenic	3.5		mg/kg dry	0.99	10/15/10 7:25	10/29/10 17:12	EPA 200.8
7440-39-3	Barium	120		mg/kg dry	0.50	10/15/10 7:20	10/27/10 18:43	EPA 6010
7440-41-7	Beryllium	0.84		mg/kg dry	0.30	10/15/10 7:20	10/27/10 18:43	EPA 6010
7440-43-9	Cadmium	0.85		mg/kg dry	0.50	10/15/10 7:25	10/29/10 17:12	EPA 200.8
7440-70-2	Calcium	17000		mg/kg dry	25	10/15/10 7:20	10/27/10 18:43	EPA 6010
7440-47-3	Chromium	26		mg/kg dry	0.50	10/15/10 7:20	10/27/10 18:43	EPA 6010
7440-48-4	Cobalt	8.6		mg/kg dry	0.50	10/15/10 7:20	10/27/10 18:43	EPA 6010
7440-50-8	Copper	26		mg/kg dry	0.99	10/15/10 7:20	10/27/10 18:43	EPA 6010
7439-89-6	Iron	13000		mg/kg dry	9.9	10/15/10 7:20	10/27/10 18:43	EPA 6010
7439-92-1	Lead	100		mg/kg dry	0.99	10/15/10 7:25	10/29/10 17:12	EPA 200.8
7439-95-4	Magnesium	8200		mg/kg dry	25	10/15/10 7:20	10/27/10 18:43	EPA 6010
7439-96-5	Manganese	1600		mg/kg dry	0.50	10/15/10 7:20	10/27/10 18:43	EPA 6010
7439-98-7	Molybdenum	2.2	U, D-4	mg/kg dry	2.2	10/15/10 7:20	10/27/10 18:43	EPA 6010
7440-02-0	Nickel	9.7		mg/kg dry	0.99	10/15/10 7:20	10/27/10 18:43	EPA 6010
7440-09-7	Potassium	470		mg/kg dry	99	10/15/10 7:20	10/27/10 18:43	EPA 6010
7782-49-2	Selenium	2.0	U	mg/kg dry	2.0	10/15/10 7:25	10/29/10 17:12	EPA 200.8
7440-22-4	Silver	0.50	U	mg/kg dry	0.50	10/15/10 7:20	10/27/10 18:43	EPA 6010
7440-23-5	Sodium	99	U	mg/kg dry	99	10/15/10 7:20	10/27/10 18:43	EPA 6010
7440-24-6	Strontium	14		mg/kg dry	0.50	10/15/10 7:20	10/27/10 18:43	EPA 6010
7440-28-0	Thallium	0.99	U	mg/kg dry	0.99	10/15/10 7:25	10/29/10 17:12	EPA 200.8
7440-31-5	Tin	8.1		mg/kg dry	1.5	10/15/10 7:20	10/27/10 18:43	EPA 6010
7440-32-6	Titanium	62		mg/kg dry	0.50	10/15/10 7:20	10/27/10 18:43	EPA 6010
7440-62-2	Vanadium	22		mg/kg dry	0.50	10/15/10 7:20	10/27/10 18:43	EPA 6010
7440-65-5	Yttrium	9.6		mg/kg dry	0.30	10/15/10 7:20	10/27/10 18:43	EPA 6010
7440-66-6	Zinc	220		mg/kg dry	0.99	10/15/10 7:20	10/27/10 18:43	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: 10-0656

Project: 10-0656, Sloss Industries Corporation - Reported by Sallie Hale

## Semi Volatile Organics

Project: 10-0656, Sloss Industries Corporation

Sample ID: WC11-SF

Lab ID: E104001-24

Station ID: WC11

Matrix: Surface Soil

Date Collected: 9/23/10 16:50

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
91-57-6	2-Methylnaphthalene	36	U	ug/kg dry	36	9/30/10 12:01	10/07/10 16:02	EPA 8270D
83-32-9	Acenaphthene	36	U	ug/kg dry	36	9/30/10 12:01	10/07/10 16:02	EPA 8270D
208-96-8	Acenaphthylene	36	U	ug/kg dry	36	9/30/10 12:01	10/07/10 16:02	EPA 8270D
120-12-7	Anthracene	36	U	ug/kg dry	36	9/30/10 12:01	10/07/10 16:02	EPA 8270D
56-55-3	Benzo(a)anthracene	36	U	ug/kg dry	36	9/30/10 12:01	10/07/10 16:02	EPA 8270D
50-32-8	Benzo(a)pyrene	36	U	ug/kg dry	36	9/30/10 12:01	10/07/10 16:02	EPA 8270D
205-99-2	Benzo(b)fluoranthene	36	U	ug/kg dry	36	9/30/10 12:01	10/07/10 16:02	EPA 8270D
191-24-2	Benzo(g,h,i)perylene	36	U	ug/kg dry	36	9/30/10 12:01	10/07/10 16:02	EPA 8270D
207-08-9	Benzo(k)fluoranthene	36	U	ug/kg dry	36	9/30/10 12:01	10/07/10 16:02	EPA 8270D
218-01-9	Chrysene	36	U	ug/kg dry	36	9/30/10 12:01	10/07/10 16:02	EPA 8270D
53-70-3	Dibenz(a,h)anthracene	36	U	ug/kg dry	36	9/30/10 12:01	10/07/10 16:02	EPA 8270D
206-44-0	Fluoranthene	36	U	ug/kg dry	36	9/30/10 12:01	10/07/10 16:02	EPA 8270D
86-73-7	Fluorene	36	U	ug/kg dry	36	9/30/10 12:01	10/07/10 16:02	EPA 8270D
193-39-5	Indeno (1,2,3-cd) pyrene	36	U	ug/kg dry	36	9/30/10 12:01	10/07/10 16:02	EPA 8270D
91-20-3	Naphthalene	36	U	ug/kg dry	36	9/30/10 12:01	10/07/10 16:02	EPA 8270D
85-01-8	Phenanthrene	36	U	ug/kg dry	36	9/30/10 12:01	10/07/10 16:02	EPA 8270D
129-00-0	Pyrene	36	U	ug/kg dry	36	9/30/10 12:01	10/07/10 16:02	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: 10-0656

Project: 10-0656, Sloss Industries Corporation - Reported by Sallie Hale

## Total Metals

Project: 10-0656, Sloss Industries Corporation

Sample ID: WC11-SF

Lab ID: E104001-24

Station ID: WC11

Matrix: Surface Soil

Date Collected: 9/23/10 16:50

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7429-90-5	Aluminum	5900		mg/kg dry	9.8	10/15/10 7:20	10/27/10 18:51	EPA 6010
7440-36-0	Antimony	0.98	U	mg/kg dry	0.98	10/15/10 7:25	10/29/10 17:16	EPA 200.8
7440-38-2	Arsenic	3.2		mg/kg dry	0.98	10/15/10 7:25	10/29/10 17:16	EPA 200.8
7440-39-3	Barium	71		mg/kg dry	0.49	10/15/10 7:20	10/27/10 18:51	EPA 6010
7440-41-7	Beryllium	0.45		mg/kg dry	0.29	10/15/10 7:20	10/27/10 18:51	EPA 6010
7440-43-9	Cadmium	0.49	U	mg/kg dry	0.49	10/15/10 7:25	10/29/10 17:16	EPA 200.8
7440-70-2	Calcium	3100		mg/kg dry	25	10/15/10 7:20	10/27/10 18:51	EPA 6010
7440-47-3	Chromium	13		mg/kg dry	0.49	10/15/10 7:20	10/27/10 18:51	EPA 6010
7440-48-4	Cobalt	12		mg/kg dry	0.49	10/15/10 7:20	10/27/10 18:51	EPA 6010
7440-50-8	Copper	6.8		mg/kg dry	0.98	10/15/10 7:20	10/27/10 18:51	EPA 6010
7439-89-6	Iron	15000		mg/kg dry	9.8	10/15/10 7:20	10/27/10 18:51	EPA 6010
7439-92-1	Lead	49		mg/kg dry	0.98	10/15/10 7:25	10/29/10 17:16	EPA 200.8
7439-95-4	Magnesium	670		mg/kg dry	25	10/15/10 7:20	10/27/10 18:51	EPA 6010
7439-96-5	Manganese	1900		mg/kg dry	0.49	10/15/10 7:20	10/27/10 18:51	EPA 6010
7439-98-7	Molybdenum	2.1	U, D-4	mg/kg dry	2.1	10/15/10 7:20	10/27/10 18:51	EPA 6010
7440-02-0	Nickel	4.8		mg/kg dry	0.98	10/15/10 7:20	10/27/10 18:51	EPA 6010
7440-09-7	Potassium	480		mg/kg dry	98	10/15/10 7:20	10/27/10 18:51	EPA 6010
7782-49-2	Selenium	2.0	U	mg/kg dry	2.0	10/15/10 7:25	10/29/10 17:16	EPA 200.8
7440-22-4	Silver	0.49	U	mg/kg dry	0.49	10/15/10 7:20	10/27/10 18:51	EPA 6010
7440-23-5	Sodium	98	U	mg/kg dry	98	10/15/10 7:20	10/27/10 18:51	EPA 6010
7440-24-6	Strontium	5.2		mg/kg dry	0.49	10/15/10 7:20	10/27/10 18:51	EPA 6010
7440-28-0	Thallium	0.98	U	mg/kg dry	0.98	10/15/10 7:25	10/29/10 17:16	EPA 200.8
7440-31-5	Tin	1.5	U	mg/kg dry	1.5	10/15/10 7:20	10/27/10 18:51	EPA 6010
7440-32-6	Titanium	69		mg/kg dry	0.49	10/15/10 7:20	10/27/10 18:51	EPA 6010
7440-62-2	Vanadium	25		mg/kg dry	0.49	10/15/10 7:20	10/27/10 18:51	EPA 6010
7440-65-5	Yttrium	4.8		mg/kg dry	0.29	10/15/10 7:20	10/27/10 18:51	EPA 6010
7440-66-6	Zinc	48		mg/kg dry	0.98	10/15/10 7:20	10/27/10 18:51	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: 10-0656

Project: 10-0656, Sloss Industries Corporation - Reported by Sallie Hale

## Physical Properties

**Project: 10-0656, Sloss Industries Corporation**

**Sample ID:** WC11-SF

**Lab ID:** E104001-24

**Station ID:** WC11

**Matrix:** Surface Soil

**Date Collected:** 9/23/10 16:50

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
E1642941	% Solids	92		%		10/12/10 15:53	10/13/10 18:13	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: 10-0656

Project: 10-0656, Sloss Industries Corporation - Reported by Sallie Hale

## Total Metals

Project: 10-0656, Sloss Industries Corporation

Sample ID: WC11-SF#60

Lab ID: E104001-25

Station ID: WC11

Matrix: Surface Soil

Date Collected: 9/23/10 16:50

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7429-90-5	Aluminum	6200		mg/kg dry	10	10/15/10 7:20	10/27/10 19:32	EPA 6010
7440-36-0	Antimony	1.0	U	mg/kg dry	1.0	10/15/10 7:25	10/29/10 17:20	EPA 200.8
7440-38-2	Arsenic	2.8		mg/kg dry	1.0	10/15/10 7:25	10/29/10 17:20	EPA 200.8
7440-39-3	Barium	57		mg/kg dry	0.50	10/15/10 7:20	10/27/10 19:32	EPA 6010
7440-41-7	Beryllium	0.42		mg/kg dry	0.30	10/15/10 7:20	10/27/10 19:32	EPA 6010
7440-43-9	Cadmium	0.50	U	mg/kg dry	0.50	10/15/10 7:25	10/29/10 17:20	EPA 200.8
7440-70-2	Calcium	3400		mg/kg dry	25	10/15/10 7:20	10/27/10 19:32	EPA 6010
7440-47-3	Chromium	9.3		mg/kg dry	0.50	10/15/10 7:20	10/27/10 19:32	EPA 6010
7440-48-4	Cobalt	7.4		mg/kg dry	0.50	10/15/10 7:20	10/27/10 19:32	EPA 6010
7440-50-8	Copper	7.5		mg/kg dry	1.0	10/15/10 7:20	10/27/10 19:32	EPA 6010
7439-89-6	Iron	12000		mg/kg dry	10	10/15/10 7:20	10/27/10 19:32	EPA 6010
7439-92-1	Lead	35		mg/kg dry	1.0	10/15/10 7:25	10/29/10 17:20	EPA 200.8
7439-95-4	Magnesium	570		mg/kg dry	25	10/15/10 7:20	10/27/10 19:32	EPA 6010
7439-96-5	Manganese	1200		mg/kg dry	0.50	10/15/10 7:20	10/27/10 19:32	EPA 6010
7439-98-7	Molybdenum	2.2	U, D-4	mg/kg dry	2.2	10/15/10 7:20	10/27/10 19:32	EPA 6010
7440-02-0	Nickel	4.5		mg/kg dry	1.0	10/15/10 7:20	10/27/10 19:32	EPA 6010
7440-09-7	Potassium	530		mg/kg dry	100	10/15/10 7:20	10/27/10 19:32	EPA 6010
7782-49-2	Selenium	2.0	U	mg/kg dry	2.0	10/15/10 7:25	10/29/10 17:20	EPA 200.8
7440-22-4	Silver	0.50	U	mg/kg dry	0.50	10/15/10 7:20	10/27/10 19:32	EPA 6010
7440-23-5	Sodium	100	U	mg/kg dry	100	10/15/10 7:20	10/27/10 19:32	EPA 6010
7440-24-6	Strontium	5.9		mg/kg dry	0.50	10/15/10 7:20	10/27/10 19:32	EPA 6010
7440-28-0	Thallium	1.0	U	mg/kg dry	1.0	10/15/10 7:25	10/29/10 17:20	EPA 200.8
7440-31-5	Tin	1.5	U	mg/kg dry	1.5	10/15/10 7:20	10/27/10 19:32	EPA 6010
7440-32-6	Titanium	62		mg/kg dry	0.50	10/15/10 7:20	10/27/10 19:32	EPA 6010
7440-62-2	Vanadium	20		mg/kg dry	0.50	10/15/10 7:20	10/27/10 19:32	EPA 6010
7440-65-5	Yttrium	5.2		mg/kg dry	0.30	10/15/10 7:20	10/27/10 19:32	EPA 6010
7440-66-6	Zinc	50		mg/kg dry	1.0	10/15/10 7:20	10/27/10 19:32	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: 10-0656

Project: 10-0656, Sloss Industries Corporation - Reported by Sallie Hale

## Semi Volatile Organics

Project: 10-0656, Sloss Industries Corporation

Sample ID: WC12-SF

Lab ID: E104001-26

Station ID: WC12

Matrix: Surface Soil

Date Collected: 9/23/10 17:30

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
91-57-6	2-Methylnaphthalene	42		ug/kg dry	37	9/30/10 12:01	10/08/10 13:13	EPA 8270D
83-32-9	Acenaphthene	38		ug/kg dry	37	9/30/10 12:01	10/08/10 13:13	EPA 8270D
208-96-8	Acenaphthylene	37	U	ug/kg dry	37	9/30/10 12:01	10/08/10 13:13	EPA 8270D
120-12-7	Anthracene	94		ug/kg dry	37	9/30/10 12:01	10/08/10 13:13	EPA 8270D
56-55-3	Benzo(a)anthracene	430		ug/kg dry	37	9/30/10 12:01	10/08/10 13:13	EPA 8270D
50-32-8	Benzo(a)pyrene	340		ug/kg dry	37	9/30/10 12:01	10/08/10 13:13	EPA 8270D
205-99-2	Benzo(b)fluoranthene	440		ug/kg dry	37	9/30/10 12:01	10/08/10 13:13	EPA 8270D
191-24-2	Benzo(g,h,i)perylene	230		ug/kg dry	37	9/30/10 12:01	10/08/10 13:13	EPA 8270D
207-08-9	Benzo(k)fluoranthene	300		ug/kg dry	37	9/30/10 12:01	10/08/10 13:13	EPA 8270D
218-01-9	Chrysene	510		ug/kg dry	37	9/30/10 12:01	10/08/10 13:13	EPA 8270D
53-70-3	Dibenz(a,h)anthracene	100		ug/kg dry	37	9/30/10 12:01	10/08/10 13:13	EPA 8270D
206-44-0	Fluoranthene	910		ug/kg dry	37	9/30/10 12:01	10/08/10 13:13	EPA 8270D
86-73-7	Fluorene	37	U	ug/kg dry	37	9/30/10 12:01	10/08/10 13:13	EPA 8270D
193-39-5	Indeno (1,2,3-cd) pyrene	240		ug/kg dry	37	9/30/10 12:01	10/08/10 13:13	EPA 8270D
91-20-3	Naphthalene	39		ug/kg dry	37	9/30/10 12:01	10/08/10 13:13	EPA 8270D
85-01-8	Phenanthrene	510		ug/kg dry	37	9/30/10 12:01	10/08/10 13:13	EPA 8270D
129-00-0	Pyrene	860		ug/kg dry	37	9/30/10 12:01	10/08/10 13:13	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: 10-0656

Project: 10-0656, Sloss Industries Corporation - Reported by Sallie Hale

## Total Metals

Project: 10-0656, Sloss Industries Corporation

Sample ID: WC12-SF

Lab ID: E104001-26

Station ID: WC12

Matrix: Surface Soil

Date Collected: 9/23/10 17:30

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7429-90-5	Aluminum	13000		mg/kg dry	30	10/15/10 7:20	10/27/10 19:40	EPA 6010
7440-36-0	Antimony	1.0	U	mg/kg dry	1.0	10/15/10 7:25	10/29/10 17:24	EPA 200.8
7440-38-2	Arsenic	6.2		mg/kg dry	1.0	10/15/10 7:25	10/29/10 17:24	EPA 200.8
7440-39-3	Barium	410		mg/kg dry	1.5	10/15/10 7:20	10/27/10 19:40	EPA 6010
7440-41-7	Beryllium	2.4		mg/kg dry	0.90	10/15/10 7:20	10/27/10 19:40	EPA 6010
7440-43-9	Cadmium	1.9		mg/kg dry	0.50	10/15/10 7:25	10/29/10 17:24	EPA 200.8
7440-70-2	Calcium	5900		mg/kg dry	75	10/15/10 7:20	10/27/10 19:40	EPA 6010
7440-47-3	Chromium	61		mg/kg dry	1.5	10/15/10 7:20	10/27/10 19:40	EPA 6010
7440-48-4	Cobalt	39		mg/kg dry	1.5	10/15/10 7:20	10/27/10 19:40	EPA 6010
7440-50-8	Copper	78		mg/kg dry	3.0	10/15/10 7:20	10/27/10 19:40	EPA 6010
7439-89-6	Iron	44000		mg/kg dry	30	10/15/10 7:20	10/27/10 19:40	EPA 6010
7439-92-1	Lead	190		mg/kg dry	1.0	10/15/10 7:25	10/29/10 17:24	EPA 200.8
7439-95-4	Magnesium	1400		mg/kg dry	75	10/15/10 7:20	10/27/10 19:40	EPA 6010
7439-96-5	Manganese	5800		mg/kg dry	1.5	10/15/10 7:20	10/27/10 19:40	EPA 6010
7439-98-7	Molybdenum	6.5	U, D-4	mg/kg dry	6.5	10/15/10 7:20	10/27/10 19:40	EPA 6010
7440-02-0	Nickel	25		mg/kg dry	3.0	10/15/10 7:20	10/27/10 19:40	EPA 6010
7440-09-7	Potassium	670		mg/kg dry	300	10/15/10 7:20	10/27/10 19:40	EPA 6010
7782-49-2	Selenium	2.0	U	mg/kg dry	2.0	10/15/10 7:25	10/29/10 17:24	EPA 200.8
7440-22-4	Silver	1.5	U	mg/kg dry	1.5	10/15/10 7:20	10/27/10 19:40	EPA 6010
7440-23-5	Sodium	300	U	mg/kg dry	300	10/15/10 7:20	10/27/10 19:40	EPA 6010
7440-24-6	Strontium	26		mg/kg dry	1.5	10/15/10 7:20	10/27/10 19:40	EPA 6010
7440-28-0	Thallium	1.0	U	mg/kg dry	1.0	10/15/10 7:25	10/29/10 17:24	EPA 200.8
7440-31-5	Tin	5.2		mg/kg dry	4.5	10/15/10 7:20	10/27/10 19:40	EPA 6010
7440-32-6	Titanium	54		mg/kg dry	1.5	10/15/10 7:20	10/27/10 19:40	EPA 6010
7440-62-2	Vanadium	45		mg/kg dry	1.5	10/15/10 7:20	10/27/10 19:40	EPA 6010
7440-65-5	Yttrium	20		mg/kg dry	0.90	10/15/10 7:20	10/27/10 19:40	EPA 6010
7440-66-6	Zinc	530		mg/kg dry	3.0	10/15/10 7:20	10/27/10 19:40	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: 10-0656

Project: 10-0656, Sloss Industries Corporation - Reported by Sallie Hale

## Physical Properties

**Project: 10-0656, Sloss Industries Corporation**

**Sample ID:** WC12-SF

**Lab ID:** E104001-26

**Station ID:** WC12

**Matrix:** Surface Soil

**Date Collected:** 9/23/10 17:30

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
E1642941	% Solids	89		%		10/12/10 15:53	10/13/10 18:13	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: 10-0656

Project: 10-0656, Sloss Industries Corporation - Reported by Sallie Hale

## Total Metals

Project: 10-0656, Sloss Industries Corporation

Sample ID: WC12-SF#60

Lab ID: E104001-27

Station ID: WC12

Matrix: Surface Soil

Date Collected: 9/23/10 17:30

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7429-90-5	Aluminum	11000		mg/kg dry	20	10/15/10 7:20	10/27/10 19:47	EPA 6010
7440-36-0	Antimony	0.99	U	mg/kg dry	0.99	10/15/10 7:25	10/29/10 17:28	EPA 200.8
7440-38-2	Arsenic	6.5		mg/kg dry	0.99	10/15/10 7:25	10/29/10 17:28	EPA 200.8
7440-39-3	Barium	200		mg/kg dry	0.99	10/15/10 7:20	10/27/10 19:47	EPA 6010
7440-41-7	Beryllium	1.5		mg/kg dry	0.60	10/15/10 7:20	10/27/10 19:47	EPA 6010
7440-43-9	Cadmium	1.3		mg/kg dry	0.50	10/15/10 7:25	10/29/10 17:28	EPA 200.8
7440-70-2	Calcium	6600		mg/kg dry	50	10/15/10 7:20	10/27/10 19:47	EPA 6010
7440-47-3	Chromium	25		mg/kg dry	0.99	10/15/10 7:20	10/27/10 19:47	EPA 6010
7440-48-4	Cobalt	13		mg/kg dry	0.99	10/15/10 7:20	10/27/10 19:47	EPA 6010
7440-50-8	Copper	98		mg/kg dry	2.0	10/15/10 7:20	10/27/10 19:47	EPA 6010
7439-89-6	Iron	21000		mg/kg dry	20	10/15/10 7:20	10/27/10 19:47	EPA 6010
7439-92-1	Lead	170		mg/kg dry	0.99	10/15/10 7:25	10/29/10 17:28	EPA 200.8
7439-95-4	Magnesium	1300		mg/kg dry	50	10/15/10 7:20	10/27/10 19:47	EPA 6010
7439-96-5	Manganese	1800		mg/kg dry	0.99	10/15/10 7:20	10/27/10 19:47	EPA 6010
7439-98-7	Molybdenum	4.3	U, D-4	mg/kg dry	4.3	10/15/10 7:20	10/27/10 19:47	EPA 6010
7440-02-0	Nickel	14		mg/kg dry	2.0	10/15/10 7:20	10/27/10 19:47	EPA 6010
7440-09-7	Potassium	710		mg/kg dry	200	10/15/10 7:20	10/27/10 19:47	EPA 6010
7782-49-2	Selenium	2.0	U	mg/kg dry	2.0	10/15/10 7:25	10/29/10 17:28	EPA 200.8
7440-22-4	Silver	0.99	U	mg/kg dry	0.99	10/15/10 7:20	10/27/10 19:47	EPA 6010
7440-23-5	Sodium	200	U	mg/kg dry	200	10/15/10 7:20	10/27/10 19:47	EPA 6010
7440-24-6	Strontium	34		mg/kg dry	0.99	10/15/10 7:20	10/27/10 19:47	EPA 6010
7440-28-0	Thallium	0.99	U	mg/kg dry	0.99	10/15/10 7:25	10/29/10 17:28	EPA 200.8
7440-31-5	Tin	7.1		mg/kg dry	3.0	10/15/10 7:20	10/27/10 19:47	EPA 6010
7440-32-6	Titanium	59		mg/kg dry	0.99	10/15/10 7:20	10/27/10 19:47	EPA 6010
7440-62-2	Vanadium	24		mg/kg dry	0.99	10/15/10 7:20	10/27/10 19:47	EPA 6010
7440-65-5	Yttrium	18		mg/kg dry	0.60	10/15/10 7:20	10/27/10 19:47	EPA 6010
7440-66-6	Zinc	460		mg/kg dry	2.0	10/15/10 7:20	10/27/10 19:47	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: 10-0656

Project: 10-0656, Sloss Industries Corporation - Reported by Sallie Hale

## Semi Volatile Organics

Project: 10-0656, Sloss Industries Corporation

Sample ID: WC13-SF

Lab ID: E104001-28

Station ID: WC13

Matrix: Surface Soil

Date Collected: 9/23/10 18:25

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
91-57-6	2-Methylnaphthalene	37	U	ug/kg dry	37	9/30/10 12:01	10/07/10 16:37	EPA 8270D
83-32-9	Acenaphthene	37	U	ug/kg dry	37	9/30/10 12:01	10/07/10 16:37	EPA 8270D
208-96-8	Acenaphthylene	37	U	ug/kg dry	37	9/30/10 12:01	10/07/10 16:37	EPA 8270D
120-12-7	Anthracene	37	U	ug/kg dry	37	9/30/10 12:01	10/07/10 16:37	EPA 8270D
56-55-3	Benzo(a)anthracene	37	U	ug/kg dry	37	9/30/10 12:01	10/07/10 16:37	EPA 8270D
50-32-8	Benzo(a)pyrene	37	U	ug/kg dry	37	9/30/10 12:01	10/07/10 16:37	EPA 8270D
205-99-2	Benzo(b)fluoranthene	37	U	ug/kg dry	37	9/30/10 12:01	10/07/10 16:37	EPA 8270D
191-24-2	Benzo(g,h,i)perylene	37	U	ug/kg dry	37	9/30/10 12:01	10/07/10 16:37	EPA 8270D
207-08-9	Benzo(k)fluoranthene	37	U	ug/kg dry	37	9/30/10 12:01	10/07/10 16:37	EPA 8270D
218-01-9	Chrysene	51		ug/kg dry	37	9/30/10 12:01	10/07/10 16:37	EPA 8270D
53-70-3	Dibenz(a,h)anthracene	37	U	ug/kg dry	37	9/30/10 12:01	10/07/10 16:37	EPA 8270D
206-44-0	Fluoranthene	64		ug/kg dry	37	9/30/10 12:01	10/07/10 16:37	EPA 8270D
86-73-7	Fluorene	37	U	ug/kg dry	37	9/30/10 12:01	10/07/10 16:37	EPA 8270D
193-39-5	Indeno (1,2,3-cd) pyrene	37	U	ug/kg dry	37	9/30/10 12:01	10/07/10 16:37	EPA 8270D
91-20-3	Naphthalene	37	U	ug/kg dry	37	9/30/10 12:01	10/07/10 16:37	EPA 8270D
85-01-8	Phenanthrene	37	U	ug/kg dry	37	9/30/10 12:01	10/07/10 16:37	EPA 8270D
129-00-0	Pyrene	59		ug/kg dry	37	9/30/10 12:01	10/07/10 16:37	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: 10-0656

Project: 10-0656, Sloss Industries Corporation - Reported by Sallie Hale

## Total Metals

Project: 10-0656, Sloss Industries Corporation

Sample ID: WC13-SF

Lab ID: E104001-28

Station ID: WC13

Matrix: Surface Soil

Date Collected: 9/23/10 18:25

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7429-90-5	Aluminum	8700		mg/kg dry	9.9	10/15/10 7:20	10/27/10 19:54	EPA 6010
7440-36-0	Antimony	0.99	U	mg/kg dry	0.99	10/15/10 7:25	10/29/10 17:32	EPA 200.8
7440-38-2	Arsenic	3.4		mg/kg dry	0.99	10/15/10 7:25	10/29/10 17:32	EPA 200.8
7440-39-3	Barium	140		mg/kg dry	0.49	10/15/10 7:20	10/27/10 19:54	EPA 6010
7440-41-7	Beryllium	1.3		mg/kg dry	0.30	10/15/10 7:20	10/27/10 19:54	EPA 6010
7440-43-9	Cadmium	0.49	U	mg/kg dry	0.49	10/15/10 7:25	10/29/10 17:32	EPA 200.8
7440-70-2	Calcium	7300		mg/kg dry	25	10/15/10 7:20	10/27/10 19:54	EPA 6010
7440-47-3	Chromium	41		mg/kg dry	0.49	10/15/10 7:20	10/27/10 19:54	EPA 6010
7440-48-4	Cobalt	27		mg/kg dry	0.49	10/15/10 7:20	10/27/10 19:54	EPA 6010
7440-50-8	Copper	13		mg/kg dry	0.99	10/15/10 7:20	10/27/10 19:54	EPA 6010
7439-89-6	Iron	26000		mg/kg dry	9.9	10/15/10 7:20	10/27/10 19:54	EPA 6010
7439-92-1	Lead	86		mg/kg dry	0.99	10/15/10 7:25	10/29/10 17:32	EPA 200.8
7439-95-4	Magnesium	1700		mg/kg dry	25	10/15/10 7:20	10/27/10 19:54	EPA 6010
7439-96-5	Manganese	2400		mg/kg dry	0.49	10/15/10 7:20	10/27/10 19:54	EPA 6010
7439-98-7	Molybdenum	2.2	U, D-4	mg/kg dry	2.2	10/15/10 7:20	10/27/10 19:54	EPA 6010
7440-02-0	Nickel	7.9		mg/kg dry	0.99	10/15/10 7:20	10/27/10 19:54	EPA 6010
7440-09-7	Potassium	680		mg/kg dry	99	10/15/10 7:20	10/27/10 19:54	EPA 6010
7782-49-2	Selenium	2.0	U	mg/kg dry	2.0	10/15/10 7:25	10/29/10 17:32	EPA 200.8
7440-22-4	Silver	0.49	U	mg/kg dry	0.49	10/15/10 7:20	10/27/10 19:54	EPA 6010
7440-23-5	Sodium	99	U	mg/kg dry	99	10/15/10 7:20	10/27/10 19:54	EPA 6010
7440-24-6	Strontium	15		mg/kg dry	0.49	10/15/10 7:20	10/27/10 19:54	EPA 6010
7440-28-0	Thallium	0.99	U	mg/kg dry	0.99	10/15/10 7:25	10/29/10 17:32	EPA 200.8
7440-31-5	Tin	2.2		mg/kg dry	1.5	10/15/10 7:20	10/27/10 19:54	EPA 6010
7440-32-6	Titanium	22		mg/kg dry	0.49	10/15/10 7:20	10/27/10 19:54	EPA 6010
7440-62-2	Vanadium	26		mg/kg dry	0.49	10/15/10 7:20	10/27/10 19:54	EPA 6010
7440-65-5	Yttrium	9.6		mg/kg dry	0.30	10/15/10 7:20	10/27/10 19:54	EPA 6010
7440-66-6	Zinc	82		mg/kg dry	0.99	10/15/10 7:20	10/27/10 19:54	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: 10-0656

Project: 10-0656, Sloss Industries Corporation - Reported by Sallie Hale

## Physical Properties

**Project: 10-0656, Sloss Industries Corporation**

**Sample ID:** WC13-SF

**Lab ID:** E104001-28

**Station ID:** WC13

**Matrix:** Surface Soil

**Date Collected:** 9/23/10 18:25

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
E1642941	% Solids	89		%		10/12/10 15:53	10/13/10 18:13	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: 10-0656

Project: 10-0656, Sloss Industries Corporation - Reported by Sallie Hale

## Total Metals

Project: 10-0656, Sloss Industries Corporation

Sample ID: WC13-SF#60

Lab ID: E104001-29

Station ID: WC13

Matrix: Surface Soil

Date Collected: 9/23/10 18:25

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7429-90-5	Aluminum	7500		mg/kg dry	10	10/15/10 7:20	10/27/10 20:01	EPA 6010
7440-36-0	Antimony	1.0	U	mg/kg dry	1.0	10/15/10 7:25	10/29/10 17:36	EPA 200.8
7440-38-2	Arsenic	3.7		mg/kg dry	1.0	10/15/10 7:25	10/29/10 17:36	EPA 200.8
7440-39-3	Barium	59		mg/kg dry	0.50	10/15/10 7:20	10/27/10 20:01	EPA 6010
7440-41-7	Beryllium	0.85		mg/kg dry	0.30	10/15/10 7:20	10/27/10 20:01	EPA 6010
7440-43-9	Cadmium	0.50	U	mg/kg dry	0.50	10/15/10 7:25	10/29/10 17:36	EPA 200.8
7440-70-2	Calcium	3700		mg/kg dry	25	10/15/10 7:20	10/27/10 20:01	EPA 6010
7440-47-3	Chromium	19		mg/kg dry	0.50	10/15/10 7:20	10/27/10 20:01	EPA 6010
7440-48-4	Cobalt	17		mg/kg dry	0.50	10/15/10 7:20	10/27/10 20:01	EPA 6010
7440-50-8	Copper	14		mg/kg dry	1.0	10/15/10 7:20	10/27/10 20:01	EPA 6010
7439-89-6	Iron	20000		mg/kg dry	10	10/15/10 7:20	10/27/10 20:01	EPA 6010
7439-92-1	Lead	62		mg/kg dry	1.0	10/15/10 7:25	10/29/10 17:36	EPA 200.8
7439-95-4	Magnesium	1000		mg/kg dry	25	10/15/10 7:20	10/27/10 20:01	EPA 6010
7439-96-5	Manganese	1300		mg/kg dry	0.50	10/15/10 7:20	10/27/10 20:01	EPA 6010
7439-98-7	Molybdenum	2.2	U, D-4	mg/kg dry	2.2	10/15/10 7:20	10/27/10 20:01	EPA 6010
7440-02-0	Nickel	6.6		mg/kg dry	1.0	10/15/10 7:20	10/27/10 20:01	EPA 6010
7440-09-7	Potassium	600		mg/kg dry	100	10/15/10 7:20	10/27/10 20:01	EPA 6010
7782-49-2	Selenium	2.0	U	mg/kg dry	2.0	10/15/10 7:25	10/29/10 17:36	EPA 200.8
7440-22-4	Silver	0.50	U	mg/kg dry	0.50	10/15/10 7:20	10/27/10 20:01	EPA 6010
7440-23-5	Sodium	100	U	mg/kg dry	100	10/15/10 7:20	10/27/10 20:01	EPA 6010
7440-24-6	Strontium	8.3		mg/kg dry	0.50	10/15/10 7:20	10/27/10 20:01	EPA 6010
7440-28-0	Thallium	1.0	U	mg/kg dry	1.0	10/15/10 7:25	10/29/10 17:36	EPA 200.8
7440-31-5	Tin	1.7		mg/kg dry	1.5	10/15/10 7:20	10/27/10 20:01	EPA 6010
7440-32-6	Titanium	21		mg/kg dry	0.50	10/15/10 7:20	10/27/10 20:01	EPA 6010
7440-62-2	Vanadium	22		mg/kg dry	0.50	10/15/10 7:20	10/27/10 20:01	EPA 6010
7440-65-5	Yttrium	8.3		mg/kg dry	0.30	10/15/10 7:20	10/27/10 20:01	EPA 6010
7440-66-6	Zinc	69		mg/kg dry	1.0	10/15/10 7:20	10/27/10 20:01	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: 10-0656

Project: 10-0656, Sloss Industries Corporation - Reported by Sallie Hale

## Total Metals

Project: 10-0656, Sloss Industries Corporation

Sample ID: WC14-SB

Lab ID: E104001-30

Station ID: WC14

Matrix: Subsurface Soil

Date Collected: 9/24/10 8:15

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7429-90-5	Aluminum	11000		mg/kg dry	20	10/15/10 7:20	10/27/10 20:08	EPA 6010
7440-36-0	Antimony	1.0	U	mg/kg dry	1.0	10/15/10 7:25	10/29/10 17:40	EPA 200.8
7440-38-2	Arsenic	3.4		mg/kg dry	1.0	10/15/10 7:25	10/29/10 17:40	EPA 200.8
7440-39-3	Barium	160		mg/kg dry	1.0	10/15/10 7:20	10/27/10 20:08	EPA 6010
7440-41-7	Beryllium	1.0		mg/kg dry	0.60	10/15/10 7:20	10/27/10 20:08	EPA 6010
7440-43-9	Cadmium	0.50	U	mg/kg dry	0.50	10/15/10 7:25	10/29/10 17:40	EPA 200.8
7440-70-2	Calcium	240		mg/kg dry	50	10/15/10 7:20	10/27/10 20:08	EPA 6010
7440-47-3	Chromium	21		mg/kg dry	1.0	10/15/10 7:20	10/27/10 20:08	EPA 6010
7440-48-4	Cobalt	16		mg/kg dry	1.0	10/15/10 7:20	10/27/10 20:08	EPA 6010
7440-50-8	Copper	6.7		mg/kg dry	2.0	10/15/10 7:20	10/27/10 20:08	EPA 6010
7439-89-6	Iron	23000		mg/kg dry	20	10/15/10 7:20	10/27/10 20:08	EPA 6010
7439-92-1	Lead	24		mg/kg dry	1.0	10/15/10 7:25	10/29/10 17:40	EPA 200.8
7439-95-4	Magnesium	220		mg/kg dry	50	10/15/10 7:20	10/27/10 20:08	EPA 6010
7439-96-5	Manganese	3800		mg/kg dry	1.0	10/15/10 7:20	10/27/10 20:08	EPA 6010
7439-98-7	Molybdenum	4.3	U, D-4	mg/kg dry	4.3	10/15/10 7:20	10/27/10 20:08	EPA 6010
7440-02-0	Nickel	6.0		mg/kg dry	2.0	10/15/10 7:20	10/27/10 20:08	EPA 6010
7440-09-7	Potassium	290		mg/kg dry	200	10/15/10 7:20	10/27/10 20:08	EPA 6010
7782-49-2	Selenium	2.0	U	mg/kg dry	2.0	10/15/10 7:25	10/29/10 17:40	EPA 200.8
7440-22-4	Silver	1.0	U	mg/kg dry	1.0	10/15/10 7:20	10/27/10 20:08	EPA 6010
7440-23-5	Sodium	200	U	mg/kg dry	200	10/15/10 7:20	10/27/10 20:08	EPA 6010
7440-24-6	Strontium	2.3		mg/kg dry	1.0	10/15/10 7:20	10/27/10 20:08	EPA 6010
7440-28-0	Thallium	1.0	U	mg/kg dry	1.0	10/15/10 7:25	10/29/10 17:40	EPA 200.8
7440-31-5	Tin	3.0	U	mg/kg dry	3.0	10/15/10 7:20	10/27/10 20:08	EPA 6010
7440-32-6	Titanium	96		mg/kg dry	1.0	10/15/10 7:20	10/27/10 20:08	EPA 6010
7440-62-2	Vanadium	39		mg/kg dry	1.0	10/15/10 7:20	10/27/10 20:08	EPA 6010
7440-65-5	Yttrium	26		mg/kg dry	0.60	10/15/10 7:20	10/27/10 20:08	EPA 6010
7440-66-6	Zinc	14		mg/kg dry	2.0	10/15/10 7:20	10/27/10 20:08	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: 10-0656

Project: 10-0656, Sloss Industries Corporation - Reported by Sallie Hale

## Physical Properties

**Project: 10-0656, Sloss Industries Corporation**

**Sample ID:** WC14-SB

**Lab ID:** E104001-30

**Station ID:** WC14

**Matrix:** Subsurface Soil

**Date Collected:** 9/24/10 8:15

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
E1642941	% Solids	88		%		10/12/10 15:53	10/13/10 18:13	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: 10-0656

Project: 10-0656, Sloss Industries Corporation - Reported by Sallie Hale

## Semi Volatile Organics

Project: 10-0656, Sloss Industries Corporation

Sample ID: WC14-SF

Lab ID: E104001-31

Station ID: WC14

Matrix: Surface Soil

Date Collected: 9/24/10 7:40

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
91-57-6	2-Methylnaphthalene	37	U	ug/kg dry	37	9/30/10 12:01	10/07/10 14:51	EPA 8270D
83-32-9	Acenaphthene	37	U	ug/kg dry	37	9/30/10 12:01	10/07/10 14:51	EPA 8270D
208-96-8	Acenaphthylene	37	U	ug/kg dry	37	9/30/10 12:01	10/07/10 14:51	EPA 8270D
120-12-7	Anthracene	37	U	ug/kg dry	37	9/30/10 12:01	10/07/10 14:51	EPA 8270D
56-55-3	Benzo(a)anthracene	37	U	ug/kg dry	37	9/30/10 12:01	10/07/10 14:51	EPA 8270D
50-32-8	Benzo(a)pyrene	37	U	ug/kg dry	37	9/30/10 12:01	10/07/10 14:51	EPA 8270D
205-99-2	Benzo(b)fluoranthene	37	U	ug/kg dry	37	9/30/10 12:01	10/07/10 14:51	EPA 8270D
191-24-2	Benzo(g,h,i)perylene	37	U	ug/kg dry	37	9/30/10 12:01	10/07/10 14:51	EPA 8270D
207-08-9	Benzo(k)fluoranthene	37	U	ug/kg dry	37	9/30/10 12:01	10/07/10 14:51	EPA 8270D
218-01-9	Chrysene	37	U	ug/kg dry	37	9/30/10 12:01	10/07/10 14:51	EPA 8270D
53-70-3	Dibenz(a,h)anthracene	37	U	ug/kg dry	37	9/30/10 12:01	10/07/10 14:51	EPA 8270D
206-44-0	Fluoranthene	37	U	ug/kg dry	37	9/30/10 12:01	10/07/10 14:51	EPA 8270D
86-73-7	Fluorene	37	U	ug/kg dry	37	9/30/10 12:01	10/07/10 14:51	EPA 8270D
193-39-5	Indeno (1,2,3-cd) pyrene	37	U	ug/kg dry	37	9/30/10 12:01	10/07/10 14:51	EPA 8270D
91-20-3	Naphthalene	37	U	ug/kg dry	37	9/30/10 12:01	10/07/10 14:51	EPA 8270D
85-01-8	Phenanthrene	37	U	ug/kg dry	37	9/30/10 12:01	10/07/10 14:51	EPA 8270D
129-00-0	Pyrene	37	U	ug/kg dry	37	9/30/10 12:01	10/07/10 14:51	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: 10-0656

Project: 10-0656, Sloss Industries Corporation - Reported by Sallie Hale

## Total Metals

Project: 10-0656, Sloss Industries Corporation

Sample ID: WC14-SF

Lab ID: E104001-31

Station ID: WC14

Matrix: Surface Soil

Date Collected: 9/24/10 7:40

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7429-90-5	Aluminum	11000		mg/kg dry	20	10/15/10 7:20	10/27/10 20:16	EPA 6010
7440-36-0	Antimony	1.0	U	mg/kg dry	1.0	10/15/10 7:25	10/29/10 17:44	EPA 200.8
7440-38-2	Arsenic	3.8		mg/kg dry	1.0	10/15/10 7:25	10/29/10 17:44	EPA 200.8
7440-39-3	Barium	190		mg/kg dry	1.0	10/15/10 7:20	10/27/10 20:16	EPA 6010
7440-41-7	Beryllium	0.90		mg/kg dry	0.60	10/15/10 7:20	10/27/10 20:16	EPA 6010
7440-43-9	Cadmium	0.50	U	mg/kg dry	0.50	10/15/10 7:25	10/29/10 17:44	EPA 200.8
7440-70-2	Calcium	1300		mg/kg dry	50	10/15/10 7:20	10/27/10 20:16	EPA 6010
7440-47-3	Chromium	30		mg/kg dry	1.0	10/15/10 7:20	10/27/10 20:16	EPA 6010
7440-48-4	Cobalt	21		mg/kg dry	1.0	10/15/10 7:20	10/27/10 20:16	EPA 6010
7440-50-8	Copper	8.3		mg/kg dry	2.0	10/15/10 7:20	10/27/10 20:16	EPA 6010
7439-89-6	Iron	24000		mg/kg dry	20	10/15/10 7:20	10/27/10 20:16	EPA 6010
7439-92-1	Lead	56		mg/kg dry	1.0	10/15/10 7:25	10/29/10 17:44	EPA 200.8
7439-95-4	Magnesium	420		mg/kg dry	50	10/15/10 7:20	10/27/10 20:16	EPA 6010
7439-96-5	Manganese	5100		mg/kg dry	1.0	10/15/10 7:20	10/27/10 20:16	EPA 6010
7439-98-7	Molybdenum	4.3	U, D-4	mg/kg dry	4.3	10/15/10 7:20	10/27/10 20:16	EPA 6010
7440-02-0	Nickel	8.3		mg/kg dry	2.0	10/15/10 7:20	10/27/10 20:16	EPA 6010
7440-09-7	Potassium	360		mg/kg dry	200	10/15/10 7:20	10/27/10 20:16	EPA 6010
7782-49-2	Selenium	2.0	U	mg/kg dry	2.0	10/15/10 7:25	10/29/10 17:44	EPA 200.8
7440-22-4	Silver	1.0	U	mg/kg dry	1.0	10/15/10 7:20	10/27/10 20:16	EPA 6010
7440-23-5	Sodium	200	U	mg/kg dry	200	10/15/10 7:20	10/27/10 20:16	EPA 6010
7440-24-6	Strontium	5.9		mg/kg dry	1.0	10/15/10 7:20	10/27/10 20:16	EPA 6010
7440-28-0	Thallium	1.0	U	mg/kg dry	1.0	10/15/10 7:25	10/29/10 17:44	EPA 200.8
7440-31-5	Tin	3.0	U	mg/kg dry	3.0	10/15/10 7:20	10/27/10 20:16	EPA 6010
7440-32-6	Titanium	130		mg/kg dry	1.0	10/15/10 7:20	10/27/10 20:16	EPA 6010
7440-62-2	Vanadium	41		mg/kg dry	1.0	10/15/10 7:20	10/27/10 20:16	EPA 6010
7440-65-5	Yttrium	16		mg/kg dry	0.60	10/15/10 7:20	10/27/10 20:16	EPA 6010
7440-66-6	Zinc	37		mg/kg dry	2.0	10/15/10 7:20	10/27/10 20:16	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: 10-0656

Project: 10-0656, Sloss Industries Corporation - Reported by Sallie Hale

## Physical Properties

**Project: 10-0656, Sloss Industries Corporation**

**Sample ID:** WC14-SF

**Lab ID:** E104001-31

**Station ID:** WC14

**Matrix:** Surface Soil

**Date Collected:** 9/24/10 7:40

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
E1642941	% Solids	90		%		10/12/10 15:53	10/13/10 18:13	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: 10-0656

Project: 10-0656, Sloss Industries Corporation - Reported by Sallie Hale

## Total Metals

Project: 10-0656, Sloss Industries Corporation

Sample ID: WC14-SF#60

Lab ID: E104001-32

Station ID: WC14

Matrix: Surface Soil

Date Collected: 9/24/10 7:40

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7429-90-5	Aluminum	10000		mg/kg dry	20	10/15/10 7:20	10/27/10 20:23	EPA 6010
7440-36-0	Antimony	1.0	U	mg/kg dry	1.0	10/15/10 7:25	10/29/10 17:56	EPA 200.8
7440-38-2	Arsenic	3.6		mg/kg dry	1.0	10/15/10 7:25	10/29/10 17:56	EPA 200.8
7440-39-3	Barium	160		mg/kg dry	1.0	10/15/10 7:20	10/27/10 20:23	EPA 6010
7440-41-7	Beryllium	0.85		mg/kg dry	0.60	10/15/10 7:20	10/27/10 20:23	EPA 6010
7440-43-9	Cadmium	0.50	U	mg/kg dry	0.50	10/15/10 7:25	10/29/10 17:56	EPA 200.8
7440-70-2	Calcium	1300		mg/kg dry	50	10/15/10 7:20	10/27/10 20:23	EPA 6010
7440-47-3	Chromium	13		mg/kg dry	1.0	10/15/10 7:20	10/27/10 20:23	EPA 6010
7440-48-4	Cobalt	16		mg/kg dry	1.0	10/15/10 7:20	10/27/10 20:23	EPA 6010
7440-50-8	Copper	8.5		mg/kg dry	2.0	10/15/10 7:20	10/27/10 20:23	EPA 6010
7439-89-6	Iron	20000		mg/kg dry	20	10/15/10 7:20	10/27/10 20:23	EPA 6010
7439-92-1	Lead	53		mg/kg dry	1.0	10/15/10 7:25	10/29/10 17:56	EPA 200.8
7439-95-4	Magnesium	420		mg/kg dry	50	10/15/10 7:20	10/27/10 20:23	EPA 6010
7439-96-5	Manganese	3900		mg/kg dry	1.0	10/15/10 7:20	10/27/10 20:23	EPA 6010
7439-98-7	Molybdenum	4.3	U, D-4	mg/kg dry	4.3	10/15/10 7:20	10/27/10 20:23	EPA 6010
7440-02-0	Nickel	8.2		mg/kg dry	2.0	10/15/10 7:20	10/27/10 20:23	EPA 6010
7440-09-7	Potassium	340		mg/kg dry	200	10/15/10 7:20	10/27/10 20:23	EPA 6010
7782-49-2	Selenium	2.0	U	mg/kg dry	2.0	10/15/10 7:25	10/29/10 17:56	EPA 200.8
7440-22-4	Silver	1.0	U	mg/kg dry	1.0	10/15/10 7:20	10/27/10 20:23	EPA 6010
7440-23-5	Sodium	200	U	mg/kg dry	200	10/15/10 7:20	10/27/10 20:23	EPA 6010
7440-24-6	Strontium	6.3		mg/kg dry	1.0	10/15/10 7:20	10/27/10 20:23	EPA 6010
7440-28-0	Thallium	1.0	U	mg/kg dry	1.0	10/15/10 7:25	10/29/10 17:56	EPA 200.8
7440-31-5	Tin	3.0	U	mg/kg dry	3.0	10/15/10 7:20	10/27/10 20:23	EPA 6010
7440-32-6	Titanium	110		mg/kg dry	1.0	10/15/10 7:20	10/27/10 20:23	EPA 6010
7440-62-2	Vanadium	33		mg/kg dry	1.0	10/15/10 7:20	10/27/10 20:23	EPA 6010
7440-65-5	Yttrium	19		mg/kg dry	0.60	10/15/10 7:20	10/27/10 20:23	EPA 6010
7440-66-6	Zinc	35		mg/kg dry	2.0	10/15/10 7:20	10/27/10 20:23	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: 10-0656

Project: 10-0656, Sloss Industries Corporation - Reported by Sallie Hale

## Semi Volatile Organics

Project: 10-0656, Sloss Industries Corporation

Sample ID: WC15-SF

Lab ID: E104001-33

Station ID: WC15

Matrix: Surface Soil

Date Collected: 9/24/10 9:20

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
91-57-6	2-Methylnaphthalene	78		ug/kg dry	36	9/30/10 12:01	10/08/10 17:17	EPA 8270D
83-32-9	Acenaphthene	36	U	ug/kg dry	36	9/30/10 12:01	10/08/10 17:17	EPA 8270D
208-96-8	Acenaphthylene	36	U	ug/kg dry	36	9/30/10 12:01	10/08/10 17:17	EPA 8270D
120-12-7	Anthracene	49		ug/kg dry	36	9/30/10 12:01	10/08/10 17:17	EPA 8270D
56-55-3	Benzo(a)anthracene	330		ug/kg dry	36	9/30/10 12:01	10/08/10 17:17	EPA 8270D
50-32-8	Benzo(a)pyrene	330		ug/kg dry	36	9/30/10 12:01	10/08/10 17:17	EPA 8270D
205-99-2	Benzo(b)fluoranthene	500		ug/kg dry	36	9/30/10 12:01	10/08/10 17:17	EPA 8270D
191-24-2	Benzo(g,h,i)perylene	240		ug/kg dry	36	9/30/10 12:01	10/08/10 17:17	EPA 8270D
207-08-9	Benzo(k)fluoranthene	360		ug/kg dry	36	9/30/10 12:01	10/08/10 17:17	EPA 8270D
218-01-9	Chrysene	480		ug/kg dry	36	9/30/10 12:01	10/08/10 17:17	EPA 8270D
53-70-3	Dibenz(a,h)anthracene	37		ug/kg dry	36	9/30/10 12:01	10/08/10 17:17	EPA 8270D
206-44-0	Fluoranthene	520		ug/kg dry	36	9/30/10 12:01	10/08/10 17:17	EPA 8270D
86-73-7	Fluorene	36	U	ug/kg dry	36	9/30/10 12:01	10/08/10 17:17	EPA 8270D
193-39-5	Indeno (1,2,3-cd) pyrene	200		ug/kg dry	36	9/30/10 12:01	10/08/10 17:17	EPA 8270D
91-20-3	Naphthalene	87		ug/kg dry	36	9/30/10 12:01	10/08/10 17:17	EPA 8270D
85-01-8	Phenanthrene	260		ug/kg dry	36	9/30/10 12:01	10/08/10 17:17	EPA 8270D
129-00-0	Pyrene	700		ug/kg dry	36	9/30/10 12:01	10/08/10 17:17	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: 10-0656

Project: 10-0656, Sloss Industries Corporation - Reported by Sallie Hale

## Total Metals

Project: 10-0656, Sloss Industries Corporation

Sample ID: WC15-SF

Lab ID: E104001-33

Station ID: WC15

Matrix: Surface Soil

Date Collected: 9/24/10 9:20

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7429-90-5	Aluminum	5900		mg/kg dry	9.9	10/15/10 7:20	10/27/10 20:30	EPA 6010
7440-36-0	Antimony	0.99	U	mg/kg dry	0.99	10/15/10 7:25	10/29/10 18:00	EPA 200.8
7440-38-2	Arsenic	3.5		mg/kg dry	0.99	10/15/10 7:25	10/29/10 18:00	EPA 200.8
7440-39-3	Barium	74		mg/kg dry	0.50	10/15/10 7:20	10/27/10 20:30	EPA 6010
7440-41-7	Beryllium	0.69		mg/kg dry	0.30	10/15/10 7:20	10/27/10 20:30	EPA 6010
7440-43-9	Cadmium	0.68		mg/kg dry	0.50	10/15/10 7:25	10/29/10 18:00	EPA 200.8
7440-70-2	Calcium	19000		mg/kg dry	25	10/15/10 7:20	10/27/10 20:30	EPA 6010
7440-47-3	Chromium	28		mg/kg dry	0.50	10/15/10 7:20	10/27/10 20:30	EPA 6010
7440-48-4	Cobalt	6.1		mg/kg dry	0.50	10/15/10 7:20	10/27/10 20:30	EPA 6010
7440-50-8	Copper	19		mg/kg dry	0.99	10/15/10 7:20	10/27/10 20:30	EPA 6010
7439-89-6	Iron	17000		mg/kg dry	9.9	10/15/10 7:20	10/27/10 20:30	EPA 6010
7439-92-1	Lead	280		mg/kg dry	2.0	10/15/10 7:20	10/27/10 20:30	EPA 6010
7439-95-4	Magnesium	9600		mg/kg dry	25	10/15/10 7:20	10/27/10 20:30	EPA 6010
7439-96-5	Manganese	800		mg/kg dry	0.50	10/15/10 7:20	10/27/10 20:30	EPA 6010
7439-98-7	Molybdenum	2.2	U, D-4	mg/kg dry	2.2	10/15/10 7:20	10/27/10 20:30	EPA 6010
7440-02-0	Nickel	5.8		mg/kg dry	0.99	10/15/10 7:20	10/27/10 20:30	EPA 6010
7440-09-7	Potassium	330		mg/kg dry	99	10/15/10 7:20	10/27/10 20:30	EPA 6010
7782-49-2	Selenium	2.0	U	mg/kg dry	2.0	10/15/10 7:25	10/29/10 18:00	EPA 200.8
7440-22-4	Silver	0.50	U	mg/kg dry	0.50	10/15/10 7:20	10/27/10 20:30	EPA 6010
7440-23-5	Sodium	99	U	mg/kg dry	99	10/15/10 7:20	10/27/10 20:30	EPA 6010
7440-24-6	Strontium	15		mg/kg dry	0.50	10/15/10 7:20	10/27/10 20:30	EPA 6010
7440-28-0	Thallium	0.99	U	mg/kg dry	0.99	10/15/10 7:25	10/29/10 18:00	EPA 200.8
7440-31-5	Tin	2.0		mg/kg dry	1.5	10/15/10 7:20	10/27/10 20:30	EPA 6010
7440-32-6	Titanium	39		mg/kg dry	0.50	10/15/10 7:20	10/27/10 20:30	EPA 6010
7440-62-2	Vanadium	22		mg/kg dry	0.50	10/15/10 7:20	10/27/10 20:30	EPA 6010
7440-65-5	Yttrium	6.6		mg/kg dry	0.30	10/15/10 7:20	10/27/10 20:30	EPA 6010
7440-66-6	Zinc	160		mg/kg dry	0.99	10/15/10 7:20	10/27/10 20:30	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: 10-0656  
Project: 10-0656, Sloss Industries Corporation - Reported by Sallie Hale

## Physical Properties

**Project: 10-0656, Sloss Industries Corporation**

**Sample ID:** WC15-SF

**Lab ID:** E104001-33

**Station ID:** WC15

**Matrix:** Surface Soil

**Date Collected:** 9/24/10 9:20

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
E1642941	% Solids	91		%		10/12/10 15:53	10/13/10 18:13	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: 10-0656

Project: 10-0656, Sloss Industries Corporation - Reported by Sallie Hale

## Total Metals

Project: 10-0656, Sloss Industries Corporation

Sample ID: WC15-SF#60

Lab ID: E104001-34

Station ID: WC15

Matrix: Surface Soil

Date Collected: 9/24/10 9:20

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7429-90-5	Aluminum	6400		mg/kg dry	9.9	10/15/10 7:20	10/27/10 20:37	EPA 6010
7440-36-0	Antimony	0.99	U	mg/kg dry	0.99	10/15/10 7:25	10/29/10 18:05	EPA 200.8
7440-38-2	Arsenic	4.1		mg/kg dry	0.99	10/15/10 7:25	10/29/10 18:05	EPA 200.8
7440-39-3	Barium	87		mg/kg dry	0.49	10/15/10 7:20	10/27/10 20:37	EPA 6010
7440-41-7	Beryllium	0.61		mg/kg dry	0.30	10/15/10 7:20	10/27/10 20:37	EPA 6010
7440-43-9	Cadmium	0.80		mg/kg dry	0.49	10/15/10 7:25	10/29/10 18:05	EPA 200.8
7440-70-2	Calcium	12000		mg/kg dry	25	10/15/10 7:20	10/27/10 20:37	EPA 6010
7440-47-3	Chromium	15		mg/kg dry	0.49	10/15/10 7:20	10/27/10 20:37	EPA 6010
7440-48-4	Cobalt	6.6		mg/kg dry	0.49	10/15/10 7:20	10/27/10 20:37	EPA 6010
7440-50-8	Copper	32		mg/kg dry	0.99	10/15/10 7:20	10/27/10 20:37	EPA 6010
7439-89-6	Iron	14000		mg/kg dry	9.9	10/15/10 7:20	10/27/10 20:37	EPA 6010
7439-92-1	Lead	220		mg/kg dry	2.0	10/15/10 7:20	10/27/10 20:37	EPA 6010
7439-95-4	Magnesium	5000		mg/kg dry	25	10/15/10 7:20	10/27/10 20:37	EPA 6010
7439-96-5	Manganese	810		mg/kg dry	0.49	10/15/10 7:20	10/27/10 20:37	EPA 6010
7439-98-7	Molybdenum	2.2	U, D-4	mg/kg dry	2.2	10/15/10 7:20	10/27/10 20:37	EPA 6010
7440-02-0	Nickel	7.6		mg/kg dry	0.99	10/15/10 7:20	10/27/10 20:37	EPA 6010
7440-09-7	Potassium	390		mg/kg dry	99	10/15/10 7:20	10/27/10 20:37	EPA 6010
7782-49-2	Selenium	2.0	U	mg/kg dry	2.0	10/15/10 7:25	10/29/10 18:05	EPA 200.8
7440-22-4	Silver	0.49	U	mg/kg dry	0.49	10/15/10 7:20	10/27/10 20:37	EPA 6010
7440-23-5	Sodium	99	U	mg/kg dry	99	10/15/10 7:20	10/27/10 20:37	EPA 6010
7440-24-6	Strontium	14		mg/kg dry	0.49	10/15/10 7:20	10/27/10 20:37	EPA 6010
7440-28-0	Thallium	0.99	U	mg/kg dry	0.99	10/15/10 7:25	10/29/10 18:05	EPA 200.8
7440-31-5	Tin	2.7		mg/kg dry	1.5	10/15/10 7:20	10/27/10 20:37	EPA 6010
7440-32-6	Titanium	37		mg/kg dry	0.49	10/15/10 7:20	10/27/10 20:37	EPA 6010
7440-62-2	Vanadium	19		mg/kg dry	0.49	10/15/10 7:20	10/27/10 20:37	EPA 6010
7440-65-5	Yttrium	6.9		mg/kg dry	0.30	10/15/10 7:20	10/27/10 20:37	EPA 6010
7440-66-6	Zinc	230		mg/kg dry	0.99	10/15/10 7:20	10/27/10 20:37	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: 10-0656

Project: 10-0656, Sloss Industries Corporation - Reported by Sallie Hale

## Semi Volatile Organics

Project: 10-0656, Sloss Industries Corporation

Sample ID: WC16-SF

Lab ID: E104001-35

Station ID: WC16

Matrix: Surface Soil

Date Collected: 9/24/10 9:55

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
91-57-6	2-Methylnaphthalene	36	U	ug/kg dry	36	9/30/10 12:01	10/07/10 17:12	EPA 8270D
83-32-9	Acenaphthene	36	U	ug/kg dry	36	9/30/10 12:01	10/07/10 17:12	EPA 8270D
208-96-8	Acenaphthylene	36	U	ug/kg dry	36	9/30/10 12:01	10/07/10 17:12	EPA 8270D
120-12-7	Anthracene	36	U	ug/kg dry	36	9/30/10 12:01	10/07/10 17:12	EPA 8270D
56-55-3	Benzo(a)anthracene	36	U	ug/kg dry	36	9/30/10 12:01	10/07/10 17:12	EPA 8270D
50-32-8	Benzo(a)pyrene	36	U	ug/kg dry	36	9/30/10 12:01	10/07/10 17:12	EPA 8270D
205-99-2	Benzo(b)fluoranthene	48		ug/kg dry	36	9/30/10 12:01	10/07/10 17:12	EPA 8270D
191-24-2	Benzo(g,h,i)perylene	36	U	ug/kg dry	36	9/30/10 12:01	10/07/10 17:12	EPA 8270D
207-08-9	Benzo(k)fluoranthene	38		ug/kg dry	36	9/30/10 12:01	10/07/10 17:12	EPA 8270D
218-01-9	Chrysene	56		ug/kg dry	36	9/30/10 12:01	10/07/10 17:12	EPA 8270D
53-70-3	Dibenz(a,h)anthracene	36	U	ug/kg dry	36	9/30/10 12:01	10/07/10 17:12	EPA 8270D
206-44-0	Fluoranthene	62		ug/kg dry	36	9/30/10 12:01	10/07/10 17:12	EPA 8270D
86-73-7	Fluorene	36	U	ug/kg dry	36	9/30/10 12:01	10/07/10 17:12	EPA 8270D
193-39-5	Indeno (1,2,3-cd) pyrene	36	U	ug/kg dry	36	9/30/10 12:01	10/07/10 17:12	EPA 8270D
91-20-3	Naphthalene	36	U	ug/kg dry	36	9/30/10 12:01	10/07/10 17:12	EPA 8270D
85-01-8	Phenanthrene	36	U	ug/kg dry	36	9/30/10 12:01	10/07/10 17:12	EPA 8270D
129-00-0	Pyrene	60		ug/kg dry	36	9/30/10 12:01	10/07/10 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: 10-0656

Project: 10-0656, Sloss Industries Corporation - Reported by Sallie Hale

## Total Metals

Project: 10-0656, Sloss Industries Corporation

Sample ID: WC16-SF

Lab ID: E104001-35

Station ID: WC16

Matrix: Surface Soil

Date Collected: 9/24/10 9:55

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7429-90-5	Aluminum	7800		mg/kg dry	10	10/15/10 7:20	10/27/10 21:19	EPA 6010
7440-36-0	Antimony	1.0	U	mg/kg dry	1.0	10/15/10 7:25	10/29/10 18:09	EPA 200.8
7440-38-2	Arsenic	4.7		mg/kg dry	1.0	10/15/10 7:25	10/29/10 18:09	EPA 200.8
7440-39-3	Barium	95		mg/kg dry	0.50	10/15/10 7:20	10/27/10 21:19	EPA 6010
7440-41-7	Beryllium	0.72		mg/kg dry	0.30	10/15/10 7:20	10/27/10 21:19	EPA 6010
7440-43-9	Cadmium	1.0		mg/kg dry	0.50	10/15/10 7:25	10/29/10 18:09	EPA 200.8
7440-70-2	Calcium	8400		mg/kg dry	25	10/15/10 7:20	10/27/10 21:19	EPA 6010
7440-47-3	Chromium	27		mg/kg dry	0.50	10/15/10 7:20	10/27/10 21:19	EPA 6010
7440-48-4	Cobalt	12		mg/kg dry	0.50	10/15/10 7:20	10/27/10 21:19	EPA 6010
7440-50-8	Copper	21		mg/kg dry	1.0	10/15/10 7:20	10/27/10 21:19	EPA 6010
7439-89-6	Iron	17000		mg/kg dry	10	10/15/10 7:20	10/27/10 21:19	EPA 6010
7439-92-1	Lead	160		mg/kg dry	1.0	10/15/10 7:25	10/29/10 18:09	EPA 200.8
7439-95-4	Magnesium	2700		mg/kg dry	25	10/15/10 7:20	10/27/10 21:19	EPA 6010
7439-96-5	Manganese	1800		mg/kg dry	0.50	10/15/10 7:20	10/27/10 21:19	EPA 6010
7439-98-7	Molybdenum	2.2	U, D-4	mg/kg dry	2.2	10/15/10 7:20	10/27/10 21:19	EPA 6010
7440-02-0	Nickel	7.0		mg/kg dry	1.0	10/15/10 7:20	10/27/10 21:19	EPA 6010
7440-09-7	Potassium	530		mg/kg dry	100	10/15/10 7:20	10/27/10 21:19	EPA 6010
7782-49-2	Selenium	2.0	U	mg/kg dry	2.0	10/15/10 7:25	10/29/10 18:09	EPA 200.8
7440-22-4	Silver	0.50	U	mg/kg dry	0.50	10/15/10 7:20	10/27/10 21:19	EPA 6010
7440-23-5	Sodium	100	U	mg/kg dry	100	10/15/10 7:20	10/27/10 21:19	EPA 6010
7440-24-6	Strontium	12		mg/kg dry	0.50	10/15/10 7:20	10/27/10 21:19	EPA 6010
7440-28-0	Thallium	1.0	U	mg/kg dry	1.0	10/15/10 7:25	10/29/10 18:09	EPA 200.8
7440-31-5	Tin	2.6		mg/kg dry	1.5	10/15/10 7:20	10/27/10 21:19	EPA 6010
7440-32-6	Titanium	59		mg/kg dry	0.50	10/15/10 7:20	10/27/10 21:19	EPA 6010
7440-62-2	Vanadium	25		mg/kg dry	0.50	10/15/10 7:20	10/27/10 21:19	EPA 6010
7440-65-5	Yttrium	9.4		mg/kg dry	0.30	10/15/10 7:20	10/27/10 21:19	EPA 6010
7440-66-6	Zinc	310		mg/kg dry	1.0	10/15/10 7:20	10/27/10 21:19	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: 10-0656

Project: 10-0656, Sloss Industries Corporation - Reported by Sallie Hale

## Physical Properties

**Project: 10-0656, Sloss Industries Corporation**

**Sample ID:** WC16-SF

**Lab ID:** E104001-35

**Station ID:** WC16

**Matrix:** Surface Soil

**Date Collected:** 9/24/10 9:55

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
E1642941	% Solids	91		%		10/12/10 15:53	10/13/10 18:13	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: 10-0656

Project: 10-0656, Sloss Industries Corporation - Reported by Sallie Hale

## Total Metals

Project: 10-0656, Sloss Industries Corporation

Sample ID: WC16-SF#60

Lab ID: E104001-36

Station ID: WC16

Matrix: Surface Soil

Date Collected: 9/24/10 9:55

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7429-90-5	Aluminum	7300		mg/kg dry	10	10/15/10 7:20	10/27/10 21:26	EPA 6010
7440-36-0	Antimony	1.0	U	mg/kg dry	1.0	10/15/10 7:25	10/29/10 18:13	EPA 200.8
7440-38-2	Arsenic	4.1		mg/kg dry	1.0	10/15/10 7:25	10/29/10 18:13	EPA 200.8
7440-39-3	Barium	90		mg/kg dry	0.50	10/15/10 7:20	10/27/10 21:26	EPA 6010
7440-41-7	Beryllium	0.66		mg/kg dry	0.30	10/15/10 7:20	10/27/10 21:26	EPA 6010
7440-43-9	Cadmium	0.97		mg/kg dry	0.50	10/15/10 7:25	10/29/10 18:13	EPA 200.8
7440-70-2	Calcium	6700		mg/kg dry	25	10/15/10 7:20	10/27/10 21:26	EPA 6010
7440-47-3	Chromium	16		mg/kg dry	0.50	10/15/10 7:20	10/27/10 21:26	EPA 6010
7440-48-4	Cobalt	11		mg/kg dry	0.50	10/15/10 7:20	10/27/10 21:26	EPA 6010
7440-50-8	Copper	24		mg/kg dry	1.0	10/15/10 7:20	10/27/10 21:26	EPA 6010
7439-89-6	Iron	15000		mg/kg dry	10	10/15/10 7:20	10/27/10 21:26	EPA 6010
7439-92-1	Lead	160		mg/kg dry	1.0	10/15/10 7:25	10/29/10 18:13	EPA 200.8
7439-95-4	Magnesium	2100		mg/kg dry	25	10/15/10 7:20	10/27/10 21:26	EPA 6010
7439-96-5	Manganese	1700		mg/kg dry	0.50	10/15/10 7:20	10/27/10 21:26	EPA 6010
7439-98-7	Molybdenum	2.2	U, D-4	mg/kg dry	2.2	10/15/10 7:20	10/27/10 21:26	EPA 6010
7440-02-0	Nickel	7.2		mg/kg dry	1.0	10/15/10 7:20	10/27/10 21:26	EPA 6010
7440-09-7	Potassium	530		mg/kg dry	100	10/15/10 7:20	10/27/10 21:26	EPA 6010
7782-49-2	Selenium	2.0	U	mg/kg dry	2.0	10/15/10 7:25	10/29/10 18:13	EPA 200.8
7440-22-4	Silver	0.50	U	mg/kg dry	0.50	10/15/10 7:20	10/27/10 21:26	EPA 6010
7440-23-5	Sodium	100	U	mg/kg dry	100	10/15/10 7:20	10/27/10 21:26	EPA 6010
7440-24-6	Strontium	9.7		mg/kg dry	0.50	10/15/10 7:20	10/27/10 21:26	EPA 6010
7440-28-0	Thallium	1.0	U	mg/kg dry	1.0	10/15/10 7:25	10/29/10 18:13	EPA 200.8
7440-31-5	Tin	2.1		mg/kg dry	1.5	10/15/10 7:20	10/27/10 21:26	EPA 6010
7440-32-6	Titanium	56		mg/kg dry	0.50	10/15/10 7:20	10/27/10 21:26	EPA 6010
7440-62-2	Vanadium	21		mg/kg dry	0.50	10/15/10 7:20	10/27/10 21:26	EPA 6010
7440-65-5	Yttrium	9.4		mg/kg dry	0.30	10/15/10 7:20	10/27/10 21:26	EPA 6010
7440-66-6	Zinc	270		mg/kg dry	1.0	10/15/10 7:20	10/27/10 21:26	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: 10-0656

Project: 10-0656, Sloss Industries Corporation - Reported by Sallie Hale

## Total Metals

Project: 10-0656, Sloss Industries Corporation

Sample ID: WC17-SB

Lab ID: E104001-37

Station ID: WC17

Matrix: Subsurface Soil

Date Collected: 9/24/10 10:40

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7429-90-5	Aluminum	7400		mg/kg dry	10	10/15/10 7:20	10/27/10 21:33	EPA 6010
7440-36-0	Antimony	1.0	U, J, QM-1	mg/kg dry	1.0	10/15/10 7:25	10/29/10 18:17	EPA 200.8
7440-38-2	Arsenic	2.4		mg/kg dry	1.0	10/15/10 7:25	10/29/10 18:17	EPA 200.8
7440-39-3	Barium	14		mg/kg dry	0.50	10/15/10 7:20	10/27/10 21:33	EPA 6010
7440-41-7	Beryllium	0.30	U	mg/kg dry	0.30	10/15/10 7:20	10/27/10 21:33	EPA 6010
7440-43-9	Cadmium	0.50	U	mg/kg dry	0.50	10/15/10 7:25	10/29/10 18:17	EPA 200.8
7440-70-2	Calcium	900		mg/kg dry	25	10/15/10 7:20	10/27/10 21:33	EPA 6010
7440-47-3	Chromium	33		mg/kg dry	0.50	10/15/10 7:20	10/27/10 21:33	EPA 6010
7440-48-4	Cobalt	1.4		mg/kg dry	0.50	10/15/10 7:20	10/27/10 21:33	EPA 6010
7440-50-8	Copper	3.8		mg/kg dry	1.0	10/15/10 7:20	10/27/10 21:33	EPA 6010
7439-89-6	Iron	30000		mg/kg dry	10	10/15/10 7:20	10/27/10 21:33	EPA 6010
7439-92-1	Lead	13		mg/kg dry	1.0	10/15/10 7:25	10/29/10 18:17	EPA 200.8
7439-95-4	Magnesium	210		mg/kg dry	25	10/15/10 7:20	10/27/10 21:33	EPA 6010
7439-96-5	Manganese	250		mg/kg dry	0.50	10/15/10 7:20	10/27/10 21:33	EPA 6010
7439-98-7	Molybdenum	2.2	U, J, D-4, QM-1	mg/kg dry	2.2	10/15/10 7:20	10/27/10 21:33	EPA 6010
7440-02-0	Nickel	2.9		mg/kg dry	1.0	10/15/10 7:20	10/27/10 21:33	EPA 6010
7440-09-7	Potassium	290		mg/kg dry	100	10/15/10 7:20	10/27/10 21:33	EPA 6010
7782-49-2	Selenium	2.0	U, J, QM-1	mg/kg dry	2.0	10/15/10 7:25	10/29/10 18:17	EPA 200.8
7440-22-4	Silver	0.50	U	mg/kg dry	0.50	10/15/10 7:20	10/27/10 21:33	EPA 6010
7440-23-5	Sodium	100	U	mg/kg dry	100	10/15/10 7:20	10/27/10 21:33	EPA 6010
7440-24-6	Strontium	3.9		mg/kg dry	0.50	10/15/10 7:20	10/27/10 21:33	EPA 6010
7440-28-0	Thallium	1.0	U	mg/kg dry	1.0	10/15/10 7:25	10/29/10 18:17	EPA 200.8
7440-31-5	Tin	1.5	U, J, QM-1	mg/kg dry	1.5	10/15/10 7:20	10/27/10 21:33	EPA 6010
7440-32-6	Titanium	99		mg/kg dry	0.50	10/15/10 7:20	10/27/10 21:33	EPA 6010
7440-62-2	Vanadium	48		mg/kg dry	0.50	10/15/10 7:20	10/27/10 21:33	EPA 6010
7440-65-5	Yttrium	0.97		mg/kg dry	0.30	10/15/10 7:20	10/27/10 21:33	EPA 6010
7440-66-6	Zinc	10		mg/kg dry	1.0	10/15/10 7:20	10/27/10 21:33	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: 10-0656

Project: 10-0656, Sloss Industries Corporation - Reported by Sallie Hale

## Physical Properties

**Project: 10-0656, Sloss Industries Corporation**

**Sample ID:** WC17-SB

**Lab ID:** E104001-37

**Station ID:** WC17

**Matrix:** Subsurface Soil

**Date Collected:** 9/24/10 10:40

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
E1642941	% Solids	88		%		10/12/10 15:53	10/13/10 18:13	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: 10-0656

Project: 10-0656, Sloss Industries Corporation - Reported by Sallie Hale

## Semi Volatile Organics

Project: 10-0656, Sloss Industries Corporation

Sample ID: WC17-SF

Lab ID: E104001-38

Station ID: WC17

Matrix: Surface Soil

Date Collected: 9/24/10 10:20

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
91-57-6	2-Methylnaphthalene	37	U	ug/kg dry	37	9/30/10 12:01	10/07/10 17:47	EPA 8270D
83-32-9	Acenaphthene	37	U	ug/kg dry	37	9/30/10 12:01	10/07/10 17:47	EPA 8270D
208-96-8	Acenaphthylene	37	U	ug/kg dry	37	9/30/10 12:01	10/07/10 17:47	EPA 8270D
120-12-7	Anthracene	37	U	ug/kg dry	37	9/30/10 12:01	10/07/10 17:47	EPA 8270D
56-55-3	Benzo(a)anthracene	42		ug/kg dry	37	9/30/10 12:01	10/07/10 17:47	EPA 8270D
50-32-8	Benzo(a)pyrene	42		ug/kg dry	37	9/30/10 12:01	10/07/10 17:47	EPA 8270D
205-99-2	Benzo(b)fluoranthene	70		ug/kg dry	37	9/30/10 12:01	10/07/10 17:47	EPA 8270D
191-24-2	Benzo(g,h,i)perylene	38		ug/kg dry	37	9/30/10 12:01	10/07/10 17:47	EPA 8270D
207-08-9	Benzo(k)fluoranthene	48		ug/kg dry	37	9/30/10 12:01	10/07/10 17:47	EPA 8270D
218-01-9	Chrysene	75		ug/kg dry	37	9/30/10 12:01	10/07/10 17:47	EPA 8270D
53-70-3	Dibenz(a,h)anthracene	37	U	ug/kg dry	37	9/30/10 12:01	10/07/10 17:47	EPA 8270D
206-44-0	Fluoranthene	72		ug/kg dry	37	9/30/10 12:01	10/07/10 17:47	EPA 8270D
86-73-7	Fluorene	37	U	ug/kg dry	37	9/30/10 12:01	10/07/10 17:47	EPA 8270D
193-39-5	Indeno (1,2,3-cd) pyrene	37	U	ug/kg dry	37	9/30/10 12:01	10/07/10 17:47	EPA 8270D
91-20-3	Naphthalene	37	U	ug/kg dry	37	9/30/10 12:01	10/07/10 17:47	EPA 8270D
85-01-8	Phenanthrene	37	U	ug/kg dry	37	9/30/10 12:01	10/07/10 17:47	EPA 8270D
129-00-0	Pyrene	70		ug/kg dry	37	9/30/10 12:01	10/07/10 17:47	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: 10-0656

Project: 10-0656, Sloss Industries Corporation - Reported by Sallie Hale

## Total Metals

Project: 10-0656, Sloss Industries Corporation

Sample ID: WC17-SF

Lab ID: E104001-38

Station ID: WC17

Matrix: Surface Soil

Date Collected: 9/24/10 10:20

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7429-90-5	Aluminum	10000		mg/kg dry	20	10/15/10 7:20	10/27/10 21:52	EPA 6010
7440-36-0	Antimony	1.0	U	mg/kg dry	1.0	10/15/10 7:25	10/29/10 18:29	EPA 200.8
7440-38-2	Arsenic	3.7		mg/kg dry	1.0	10/15/10 7:25	10/29/10 18:29	EPA 200.8
7440-39-3	Barium	70		mg/kg dry	1.0	10/15/10 7:20	10/27/10 21:52	EPA 6010
7440-41-7	Beryllium	0.60	U	mg/kg dry	0.60	10/15/10 7:20	10/27/10 21:52	EPA 6010
7440-43-9	Cadmium	1.3		mg/kg dry	0.50	10/15/10 7:25	10/29/10 18:29	EPA 200.8
7440-70-2	Calcium	3300		mg/kg dry	50	10/15/10 7:20	10/27/10 21:52	EPA 6010
7440-47-3	Chromium	40		mg/kg dry	1.0	10/15/10 7:20	10/27/10 21:52	EPA 6010
7440-48-4	Cobalt	14		mg/kg dry	1.0	10/15/10 7:20	10/27/10 21:52	EPA 6010
7440-50-8	Copper	35		mg/kg dry	2.0	10/15/10 7:20	10/27/10 21:52	EPA 6010
7439-89-6	Iron	25000		mg/kg dry	20	10/15/10 7:20	10/27/10 21:52	EPA 6010
7439-92-1	Lead	120		mg/kg dry	1.0	10/15/10 7:25	10/29/10 18:29	EPA 200.8
7439-95-4	Magnesium	690		mg/kg dry	50	10/15/10 7:20	10/27/10 21:52	EPA 6010
7439-96-5	Manganese	770		mg/kg dry	1.0	10/15/10 7:20	10/27/10 21:52	EPA 6010
7439-98-7	Molybdenum	4.4	U, D-4	mg/kg dry	4.4	10/15/10 7:20	10/27/10 21:52	EPA 6010
7440-02-0	Nickel	6.6		mg/kg dry	2.0	10/15/10 7:20	10/27/10 21:52	EPA 6010
7440-09-7	Potassium	550		mg/kg dry	200	10/15/10 7:20	10/27/10 21:52	EPA 6010
7782-49-2	Selenium	2.0	U	mg/kg dry	2.0	10/15/10 7:25	10/29/10 18:29	EPA 200.8
7440-22-4	Silver	1.0	U	mg/kg dry	1.0	10/15/10 7:20	10/27/10 21:52	EPA 6010
7440-23-5	Sodium	200	U	mg/kg dry	200	10/15/10 7:20	10/27/10 21:52	EPA 6010
7440-24-6	Strontium	8.0		mg/kg dry	1.0	10/15/10 7:20	10/27/10 21:52	EPA 6010
7440-28-0	Thallium	1.0	U	mg/kg dry	1.0	10/15/10 7:25	10/29/10 18:29	EPA 200.8
7440-31-5	Tin	3.3		mg/kg dry	3.0	10/15/10 7:20	10/27/10 21:52	EPA 6010
7440-32-6	Titanium	98		mg/kg dry	1.0	10/15/10 7:20	10/27/10 21:52	EPA 6010
7440-62-2	Vanadium	37		mg/kg dry	1.0	10/15/10 7:20	10/27/10 21:52	EPA 6010
7440-65-5	Yttrium	4.0		mg/kg dry	0.60	10/15/10 7:20	10/27/10 21:52	EPA 6010
7440-66-6	Zinc	250		mg/kg dry	2.0	10/15/10 7:20	10/27/10 21:52	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: 10-0656

Project: 10-0656, Sloss Industries Corporation - Reported by Sallie Hale

## Physical Properties

**Project: 10-0656, Sloss Industries Corporation**

**Sample ID:** WC17-SF

**Lab ID:** E104001-38

**Station ID:** WC17

**Matrix:** Surface Soil

**Date Collected:** 9/24/10 10:20

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
E1642941	% Solids	91		%		10/12/10 15:53	10/13/10 18:13	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: 10-0656

Project: 10-0656, Sloss Industries Corporation - Reported by Sallie Hale

## Total Metals

Project: 10-0656, Sloss Industries Corporation

Sample ID: WC17-SF#60

Lab ID: E104001-39

Station ID: WC17

Matrix: Surface Soil

Date Collected: 9/24/10 10:20

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7429-90-5	Aluminum	8000		mg/kg dry	10	10/15/10 7:20	10/27/10 21:59	EPA 6010
7440-36-0	Antimony	1.0	U	mg/kg dry	1.0	10/15/10 7:25	10/29/10 18:33	EPA 200.8
7440-38-2	Arsenic	4.2		mg/kg dry	1.0	10/15/10 7:25	10/29/10 18:33	EPA 200.8
7440-39-3	Barium	67		mg/kg dry	0.50	10/15/10 7:20	10/27/10 21:59	EPA 6010
7440-41-7	Beryllium	0.32		mg/kg dry	0.30	10/15/10 7:20	10/27/10 21:59	EPA 6010
7440-43-9	Cadmium	1.3		mg/kg dry	0.50	10/15/10 7:25	10/29/10 18:33	EPA 200.8
7440-70-2	Calcium	4300		mg/kg dry	25	10/15/10 7:20	10/27/10 21:59	EPA 6010
7440-47-3	Chromium	20		mg/kg dry	0.50	10/15/10 7:20	10/27/10 21:59	EPA 6010
7440-48-4	Cobalt	6.6		mg/kg dry	0.50	10/15/10 7:20	10/27/10 21:59	EPA 6010
7440-50-8	Copper	37		mg/kg dry	1.0	10/15/10 7:20	10/27/10 21:59	EPA 6010
7439-89-6	Iron	20000		mg/kg dry	10	10/15/10 7:20	10/27/10 21:59	EPA 6010
7439-92-1	Lead	100		mg/kg dry	1.0	10/15/10 7:25	10/29/10 18:33	EPA 200.8
7439-95-4	Magnesium	1000		mg/kg dry	25	10/15/10 7:20	10/27/10 21:59	EPA 6010
7439-96-5	Manganese	460		mg/kg dry	0.50	10/15/10 7:20	10/27/10 21:59	EPA 6010
7439-98-7	Molybdenum	2.2	U, D-4	mg/kg dry	2.2	10/15/10 7:20	10/27/10 21:59	EPA 6010
7440-02-0	Nickel	7.3		mg/kg dry	1.0	10/15/10 7:20	10/27/10 21:59	EPA 6010
7440-09-7	Potassium	520		mg/kg dry	100	10/15/10 7:20	10/27/10 21:59	EPA 6010
7782-49-2	Selenium	2.0	U	mg/kg dry	2.0	10/15/10 7:25	10/29/10 18:33	EPA 200.8
7440-22-4	Silver	0.50	U	mg/kg dry	0.50	10/15/10 7:20	10/27/10 21:59	EPA 6010
7440-23-5	Sodium	100	U	mg/kg dry	100	10/15/10 7:20	10/27/10 21:59	EPA 6010
7440-24-6	Strontium	8.7		mg/kg dry	0.50	10/15/10 7:20	10/27/10 21:59	EPA 6010
7440-28-0	Thallium	1.0	U	mg/kg dry	1.0	10/15/10 7:25	10/29/10 18:33	EPA 200.8
7440-31-5	Tin	2.5		mg/kg dry	1.5	10/15/10 7:20	10/27/10 21:59	EPA 6010
7440-32-6	Titanium	92		mg/kg dry	0.50	10/15/10 7:20	10/27/10 21:59	EPA 6010
7440-62-2	Vanadium	31		mg/kg dry	0.50	10/15/10 7:20	10/27/10 21:59	EPA 6010
7440-65-5	Yttrium	4.4		mg/kg dry	0.30	10/15/10 7:20	10/27/10 21:59	EPA 6010
7440-66-6	Zinc	260		mg/kg dry	1.0	10/15/10 7:20	10/27/10 21:59	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: 10-0656

Project: 10-0656, Sloss Industries Corporation - Reported by Sallie Hale

## Semi Volatile Organics

Project: 10-0656, Sloss Industries Corporation

Sample ID: WC18-SF

Lab ID: E104001-40

Station ID: WC18

Matrix: Surface Soil

Date Collected: 9/24/10 11:30

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
91-57-6	2-Methylnaphthalene	36	U	ug/kg dry	36	9/30/10 12:01	10/08/10 13:48	EPA 8270D
83-32-9	Acenaphthene	36	U	ug/kg dry	36	9/30/10 12:01	10/08/10 13:48	EPA 8270D
208-96-8	Acenaphthylene	36	U	ug/kg dry	36	9/30/10 12:01	10/08/10 13:48	EPA 8270D
120-12-7	Anthracene	36	U	ug/kg dry	36	9/30/10 12:01	10/08/10 13:48	EPA 8270D
56-55-3	Benzo(a)anthracene	62		ug/kg dry	36	9/30/10 12:01	10/08/10 13:48	EPA 8270D
50-32-8	Benzo(a)pyrene	110		ug/kg dry	36	9/30/10 12:01	10/08/10 13:48	EPA 8270D
205-99-2	Benzo(b)fluoranthene	160		ug/kg dry	36	9/30/10 12:01	10/08/10 13:48	EPA 8270D
191-24-2	Benzo(g,h,i)perylene	100		ug/kg dry	36	9/30/10 12:01	10/08/10 13:48	EPA 8270D
207-08-9	Benzo(k)fluoranthene	98		ug/kg dry	36	9/30/10 12:01	10/08/10 13:48	EPA 8270D
218-01-9	Chrysene	110		ug/kg dry	36	9/30/10 12:01	10/08/10 13:48	EPA 8270D
53-70-3	Dibenz(a,h)anthracene	52		ug/kg dry	36	9/30/10 12:01	10/08/10 13:48	EPA 8270D
206-44-0	Fluoranthene	66		ug/kg dry	36	9/30/10 12:01	10/08/10 13:48	EPA 8270D
86-73-7	Fluorene	36	U	ug/kg dry	36	9/30/10 12:01	10/08/10 13:48	EPA 8270D
193-39-5	Indeno (1,2,3-cd) pyrene	100		ug/kg dry	36	9/30/10 12:01	10/08/10 13:48	EPA 8270D
91-20-3	Naphthalene	36	U	ug/kg dry	36	9/30/10 12:01	10/08/10 13:48	EPA 8270D
85-01-8	Phenanthrene	36	U	ug/kg dry	36	9/30/10 12:01	10/08/10 13:48	EPA 8270D
129-00-0	Pyrene	74		ug/kg dry	36	9/30/10 12:01	10/08/10 13:48	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: 10-0656

Project: 10-0656, Sloss Industries Corporation - Reported by Sallie Hale

## Total Metals

Project: 10-0656, Sloss Industries Corporation

Sample ID: WC18-SF

Lab ID: E104001-40

Station ID: WC18

Matrix: Surface Soil

Date Collected: 9/24/10 11:30

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7429-90-5	Aluminum	5700		mg/kg dry	10	10/20/10 14:24	10/27/10 23:12	EPA 6010
7440-36-0	Antimony	1.0	U	mg/kg dry	1.0	10/20/10 14:29	11/03/10 14:21	EPA 200.8
7440-38-2	Arsenic	3.0		mg/kg dry	1.0	10/20/10 14:29	11/03/10 14:21	EPA 200.8
7440-39-3	Barium	61		mg/kg dry	0.50	10/20/10 14:24	10/27/10 23:12	EPA 6010
7440-41-7	Beryllium	0.60		mg/kg dry	0.30	10/20/10 14:24	10/27/10 23:12	EPA 6010
7440-43-9	Cadmium	0.50	U	mg/kg dry	0.50	10/20/10 14:29	11/03/10 14:21	EPA 200.8
7440-70-2	Calcium	2400		mg/kg dry	25	10/20/10 14:24	10/27/10 23:12	EPA 6010
7440-47-3	Chromium	14		mg/kg dry	0.50	10/20/10 14:24	10/27/10 23:12	EPA 6010
7440-48-4	Cobalt	8.2		mg/kg dry	0.50	10/20/10 14:24	10/27/10 23:12	EPA 6010
7440-50-8	Copper	96		mg/kg dry	1.0	10/20/10 14:24	10/27/10 23:12	EPA 6010
7439-89-6	Iron	13000		mg/kg dry	10	10/20/10 14:24	10/27/10 23:12	EPA 6010
7439-92-1	Lead	77		mg/kg dry	1.0	10/20/10 14:29	11/03/10 14:21	EPA 200.8
7439-95-4	Magnesium	390		mg/kg dry	25	10/20/10 14:24	10/27/10 23:12	EPA 6010
7439-96-5	Manganese	1200		mg/kg dry	0.50	10/20/10 14:24	10/27/10 23:12	EPA 6010
7439-98-7	Molybdenum	3.6	J, D-2	mg/kg dry	2.2	10/20/10 14:24	10/27/10 23:12	EPA 6010
7440-02-0	Nickel	5.1		mg/kg dry	1.0	10/20/10 14:24	10/27/10 23:12	EPA 6010
7440-09-7	Potassium	350		mg/kg dry	100	10/20/10 14:24	10/27/10 23:12	EPA 6010
7782-49-2	Selenium	2.0	U	mg/kg dry	2.0	10/20/10 14:29	11/03/10 14:21	EPA 200.8
7440-22-4	Silver	0.50	U	mg/kg dry	0.50	10/20/10 14:24	10/27/10 23:12	EPA 6010
7440-23-5	Sodium	100	U	mg/kg dry	100	10/20/10 14:24	10/27/10 23:12	EPA 6010
7440-24-6	Strontium	6.6		mg/kg dry	0.50	10/20/10 14:24	10/27/10 23:12	EPA 6010
7440-28-0	Thallium	1.0	U	mg/kg dry	1.0	10/20/10 14:29	11/03/10 14:21	EPA 200.8
7440-31-5	Tin	1.8		mg/kg dry	1.5	10/20/10 14:24	10/27/10 23:12	EPA 6010
7440-32-6	Titanium	46		mg/kg dry	0.50	10/20/10 14:24	10/27/10 23:12	EPA 6010
7440-62-2	Vanadium	21		mg/kg dry	0.50	10/20/10 14:24	10/27/10 23:12	EPA 6010
7440-65-5	Yttrium	9.7		mg/kg dry	0.30	10/20/10 14:24	10/27/10 23:12	EPA 6010
7440-66-6	Zinc	70		mg/kg dry	1.0	10/20/10 14:24	10/27/10 23:12	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: 10-0656

Project: 10-0656, Sloss Industries Corporation - Reported by Sallie Hale

## Physical Properties

**Project: 10-0656, Sloss Industries Corporation**

**Sample ID:** WC18-SF

**Lab ID:** E104001-40

**Station ID:** WC18

**Matrix:** Surface Soil

**Date Collected:** 9/24/10 11:30

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
E1642941	% Solids	92		%		10/15/10 14:18	10/18/10 14:21	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: 10-0656

Project: 10-0656, Sloss Industries Corporation - Reported by Sallie Hale

## Total Metals

Project: 10-0656, Sloss Industries Corporation

Sample ID: WC18-SF#60

Lab ID: E104001-41

Station ID: WC18

Matrix: Surface Soil

Date Collected: 9/24/10 11:30

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7429-90-5	Aluminum	5600		mg/kg dry	10	10/20/10 14:24	10/27/10 23:19	EPA 6010
7440-36-0	Antimony	1.0	U	mg/kg dry	1.0	10/20/10 14:29	11/03/10 14:25	EPA 200.8
7440-38-2	Arsenic	3.1		mg/kg dry	1.0	10/20/10 14:29	11/03/10 14:25	EPA 200.8
7440-39-3	Barium	61		mg/kg dry	0.50	10/20/10 14:24	10/27/10 23:19	EPA 6010
7440-41-7	Beryllium	0.61		mg/kg dry	0.30	10/20/10 14:24	10/27/10 23:19	EPA 6010
7440-43-9	Cadmium	0.50	U	mg/kg dry	0.50	10/20/10 14:29	11/03/10 14:25	EPA 200.8
7440-70-2	Calcium	2400		mg/kg dry	25	10/20/10 14:24	10/27/10 23:19	EPA 6010
7440-47-3	Chromium	13		mg/kg dry	0.50	10/20/10 14:24	10/27/10 23:19	EPA 6010
7440-48-4	Cobalt	7.9		mg/kg dry	0.50	10/20/10 14:24	10/27/10 23:19	EPA 6010
7440-50-8	Copper	100		mg/kg dry	1.0	10/20/10 14:24	10/27/10 23:19	EPA 6010
7439-89-6	Iron	13000		mg/kg dry	10	10/20/10 14:24	10/27/10 23:19	EPA 6010
7439-92-1	Lead	76		mg/kg dry	1.0	10/20/10 14:29	11/03/10 14:25	EPA 200.8
7439-95-4	Magnesium	400		mg/kg dry	25	10/20/10 14:24	10/27/10 23:19	EPA 6010
7439-96-5	Manganese	1200		mg/kg dry	0.50	10/20/10 14:24	10/27/10 23:19	EPA 6010
7439-98-7	Molybdenum	3.4	J, D-2	mg/kg dry	2.2	10/20/10 14:24	10/27/10 23:19	EPA 6010
7440-02-0	Nickel	5.0		mg/kg dry	1.0	10/20/10 14:24	10/27/10 23:19	EPA 6010
7440-09-7	Potassium	350		mg/kg dry	100	10/20/10 14:24	10/27/10 23:19	EPA 6010
7782-49-2	Selenium	2.0	U	mg/kg dry	2.0	10/20/10 14:29	11/03/10 14:25	EPA 200.8
7440-22-4	Silver	0.50	U	mg/kg dry	0.50	10/20/10 14:24	10/27/10 23:19	EPA 6010
7440-23-5	Sodium	100	U	mg/kg dry	100	10/20/10 14:24	10/27/10 23:19	EPA 6010
7440-24-6	Strontium	6.7		mg/kg dry	0.50	10/20/10 14:24	10/27/10 23:19	EPA 6010
7440-28-0	Thallium	1.0	U	mg/kg dry	1.0	10/20/10 14:29	11/03/10 14:25	EPA 200.8
7440-31-5	Tin	1.9		mg/kg dry	1.5	10/20/10 14:24	10/27/10 23:19	EPA 6010
7440-32-6	Titanium	47		mg/kg dry	0.50	10/20/10 14:24	10/27/10 23:19	EPA 6010
7440-62-2	Vanadium	20		mg/kg dry	0.50	10/20/10 14:24	10/27/10 23:19	EPA 6010
7440-65-5	Yttrium	9.9		mg/kg dry	0.30	10/20/10 14:24	10/27/10 23:19	EPA 6010
7440-66-6	Zinc	68		mg/kg dry	1.0	10/20/10 14:24	10/27/10 23:19	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: 10-0656

Project: 10-0656, Sloss Industries Corporation - Reported by Sallie Hale

## Total Metals

Project: 10-0656, Sloss Industries Corporation

Sample ID: WC19-SB

Lab ID: E104001-42

Station ID: WC19

Matrix: Subsurface Soil

Date Collected: 9/24/10 13:40

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7429-90-5	Aluminum	16000		mg/kg dry	20	10/20/10 14:24	10/27/10 23:26	EPA 6010
7440-36-0	Antimony	1.0	U, J, QM-1, QM-3	mg/kg dry	1.0	10/20/10 14:29	11/03/10 14:29	EPA 200.8
7440-38-2	Arsenic	2.0	J, QM-1	mg/kg dry	1.0	10/20/10 14:29	11/03/10 14:29	EPA 200.8
7440-39-3	Barium	220		mg/kg dry	1.0	10/20/10 14:24	10/27/10 23:26	EPA 6010
7440-41-7	Beryllium	1.9		mg/kg dry	0.60	10/20/10 14:24	10/27/10 23:26	EPA 6010
7440-43-9	Cadmium	0.50	U	mg/kg dry	0.50	10/20/10 14:29	11/03/10 14:29	EPA 200.8
7440-70-2	Calcium	72000		mg/kg dry	50	10/20/10 14:24	10/27/10 23:26	EPA 6010
7440-47-3	Chromium	23		mg/kg dry	1.0	10/20/10 14:24	10/27/10 23:26	EPA 6010
7440-48-4	Cobalt	14		mg/kg dry	1.0	10/20/10 14:24	10/27/10 23:26	EPA 6010
7440-50-8	Copper	13		mg/kg dry	2.0	10/20/10 14:24	10/27/10 23:26	EPA 6010
7439-89-6	Iron	28000		mg/kg dry	20	10/20/10 14:24	10/27/10 23:26	EPA 6010
7439-92-1	Lead	16		mg/kg dry	1.0	10/20/10 14:29	11/03/10 14:29	EPA 200.8
7439-95-4	Magnesium	2800		mg/kg dry	50	10/20/10 14:24	10/27/10 23:26	EPA 6010
7439-96-5	Manganese	800		mg/kg dry	1.0	10/20/10 14:24	10/27/10 23:26	EPA 6010
7439-98-7	Molybdenum	4.3	U, J, QM-1, D-4	mg/kg dry	4.3	10/20/10 14:24	10/27/10 23:26	EPA 6010
7440-02-0	Nickel	20		mg/kg dry	2.0	10/20/10 14:24	10/27/10 23:26	EPA 6010
7440-09-7	Potassium	580		mg/kg dry	200	10/20/10 14:24	10/27/10 23:26	EPA 6010
7782-49-2	Selenium	2.0	U, J, QM-1	mg/kg dry	2.0	10/20/10 14:29	11/03/10 14:29	EPA 200.8
7440-22-4	Silver	1.0	U	mg/kg dry	1.0	10/20/10 14:24	10/27/10 23:26	EPA 6010
7440-23-5	Sodium	200	U	mg/kg dry	200	10/20/10 14:24	10/27/10 23:26	EPA 6010
7440-24-6	Strontium	77		mg/kg dry	1.0	10/20/10 14:24	10/27/10 23:26	EPA 6010
7440-28-0	Thallium	1.0	U	mg/kg dry	1.0	10/20/10 14:29	11/03/10 14:29	EPA 200.8
7440-31-5	Tin	3.0	U, J, QM-1, QM-3	mg/kg dry	3.0	10/20/10 14:24	10/27/10 23:26	EPA 6010
7440-32-6	Titanium	5.6	J, QM-1, QM-3	mg/kg dry	1.0	10/20/10 14:24	10/27/10 23:26	EPA 6010
7440-62-2	Vanadium	18		mg/kg dry	1.0	10/20/10 14:24	10/27/10 23:26	EPA 6010
7440-65-5	Yttrium	24		mg/kg dry	0.60	10/20/10 14:24	10/27/10 23:26	EPA 6010
7440-66-6	Zinc	39		mg/kg dry	2.0	10/20/10 14:24	10/27/10 23:26	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: 10-0656

Project: 10-0656, Sloss Industries Corporation - Reported by Sallie Hale

## Physical Properties

**Project: 10-0656, Sloss Industries Corporation**

**Sample ID:** WC19-SB

**Lab ID:** E104001-42

**Station ID:** WC19

**Matrix:** Subsurface Soil

**Date Collected:** 9/24/10 13:40

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
E1642941	% Solids	83		%		10/15/10 14:18	10/18/10 14:21	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: 10-0656

Project: 10-0656, Sloss Industries Corporation - Reported by Sallie Hale

## Semi Volatile Organics

Project: 10-0656, Sloss Industries Corporation

Sample ID: WC19-SF

Lab ID: E104001-43

Station ID: WC19

Matrix: Surface Soil

Date Collected: 9/24/10 12:50

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
91-57-6	2-Methylnaphthalene	37	U	ug/kg dry	37	9/27/10 12:05	10/05/10 18:26	EPA 8270D
83-32-9	Acenaphthene	40		ug/kg dry	37	9/27/10 12:05	10/05/10 18:26	EPA 8270D
208-96-8	Acenaphthylene	37	U	ug/kg dry	37	9/27/10 12:05	10/05/10 18:26	EPA 8270D
120-12-7	Anthracene	100		ug/kg dry	37	9/27/10 12:05	10/05/10 18:26	EPA 8270D
56-55-3	Benzo(a)anthracene	240		ug/kg dry	37	9/27/10 12:05	10/05/10 18:26	EPA 8270D
50-32-8	Benzo(a)pyrene	160		ug/kg dry	37	9/27/10 12:05	10/05/10 18:26	EPA 8270D
205-99-2	Benzo(b)fluoranthene	190		ug/kg dry	37	9/27/10 12:05	10/05/10 18:26	EPA 8270D
191-24-2	Benzo(g,h,i)perylene	85		ug/kg dry	37	9/27/10 12:05	10/05/10 18:26	EPA 8270D
207-08-9	Benzo(k)fluoranthene	150		ug/kg dry	37	9/27/10 12:05	10/05/10 18:26	EPA 8270D
218-01-9	Chrysene	250		ug/kg dry	37	9/27/10 12:05	10/05/10 18:26	EPA 8270D
53-70-3	Dibenz(a,h)anthracene	53		ug/kg dry	37	9/27/10 12:05	10/05/10 18:26	EPA 8270D
206-44-0	Fluoranthene	590		ug/kg dry	37	9/27/10 12:05	10/05/10 18:26	EPA 8270D
86-73-7	Fluorene	51		ug/kg dry	37	9/27/10 12:05	10/05/10 18:26	EPA 8270D
193-39-5	Indeno (1,2,3-cd) pyrene	87		ug/kg dry	37	9/27/10 12:05	10/05/10 18:26	EPA 8270D
91-20-3	Naphthalene	37	U	ug/kg dry	37	9/27/10 12:05	10/05/10 18:26	EPA 8270D
85-01-8	Phenanthrene	350		ug/kg dry	37	9/27/10 12:05	10/05/10 18:26	EPA 8270D
129-00-0	Pyrene	420	J, QM-3	ug/kg dry	37	9/27/10 12:05	10/05/10 18:26	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: 10-0656

Project: 10-0656, Sloss Industries Corporation - Reported by Sallie Hale

## Total Metals

Project: 10-0656, Sloss Industries Corporation

Sample ID: WC19-SF

Lab ID: E104001-43

Station ID: WC19

Matrix: Surface Soil

Date Collected: 9/24/10 12:50

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7429-90-5	Aluminum	9200		mg/kg dry	20	10/20/10 14:24	10/27/10 23:48	EPA 6010
7440-36-0	Antimony	1.0	U	mg/kg dry	1.0	10/20/10 14:29	11/03/10 14:50	EPA 200.8
7440-38-2	Arsenic	4.8		mg/kg dry	1.0	10/20/10 14:29	11/03/10 14:50	EPA 200.8
7440-39-3	Barium	150		mg/kg dry	1.0	10/20/10 14:24	10/27/10 23:48	EPA 6010
7440-41-7	Beryllium	1.5		mg/kg dry	0.60	10/20/10 14:24	10/27/10 23:48	EPA 6010
7440-43-9	Cadmium	0.58		mg/kg dry	0.50	10/20/10 14:29	11/03/10 14:50	EPA 200.8
7440-70-2	Calcium	3300		mg/kg dry	50	10/20/10 14:24	10/27/10 23:48	EPA 6010
7440-47-3	Chromium	44		mg/kg dry	1.0	10/20/10 14:24	10/27/10 23:48	EPA 6010
7440-48-4	Cobalt	30		mg/kg dry	1.0	10/20/10 14:24	10/27/10 23:48	EPA 6010
7440-50-8	Copper	12		mg/kg dry	2.0	10/20/10 14:24	10/27/10 23:48	EPA 6010
7439-89-6	Iron	35000		mg/kg dry	20	10/20/10 14:24	10/27/10 23:48	EPA 6010
7439-92-1	Lead	88		mg/kg dry	1.0	10/20/10 14:29	11/03/10 14:50	EPA 200.8
7439-95-4	Magnesium	710		mg/kg dry	50	10/20/10 14:24	10/27/10 23:48	EPA 6010
7439-96-5	Manganese	4100		mg/kg dry	1.0	10/20/10 14:24	10/27/10 23:48	EPA 6010
7439-98-7	Molybdenum	4.4	U, D-4	mg/kg dry	4.4	10/20/10 14:24	10/27/10 23:48	EPA 6010
7440-02-0	Nickel	8.8		mg/kg dry	2.0	10/20/10 14:24	10/27/10 23:48	EPA 6010
7440-09-7	Potassium	310		mg/kg dry	200	10/20/10 14:24	10/27/10 23:48	EPA 6010
7782-49-2	Selenium	2.0	U	mg/kg dry	2.0	10/20/10 14:29	11/03/10 14:50	EPA 200.8
7440-22-4	Silver	1.0	U	mg/kg dry	1.0	10/20/10 14:24	10/27/10 23:48	EPA 6010
7440-23-5	Sodium	200	U	mg/kg dry	200	10/20/10 14:24	10/27/10 23:48	EPA 6010
7440-24-6	Strontium	11		mg/kg dry	1.0	10/20/10 14:24	10/27/10 23:48	EPA 6010
7440-28-0	Thallium	1.0	U	mg/kg dry	1.0	10/20/10 14:29	11/03/10 14:50	EPA 200.8
7440-31-5	Tin	8.7		mg/kg dry	3.0	10/20/10 14:24	10/27/10 23:48	EPA 6010
7440-32-6	Titanium	16		mg/kg dry	1.0	10/20/10 14:24	10/27/10 23:48	EPA 6010
7440-62-2	Vanadium	37		mg/kg dry	1.0	10/20/10 14:24	10/27/10 23:48	EPA 6010
7440-65-5	Yttrium	10		mg/kg dry	0.60	10/20/10 14:24	10/27/10 23:48	EPA 6010
7440-66-6	Zinc	82		mg/kg dry	2.0	10/20/10 14:24	10/27/10 23:48	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: 10-0656

Project: 10-0656, Sloss Industries Corporation - Reported by Sallie Hale

## Physical Properties

**Project: 10-0656, Sloss Industries Corporation**

**Sample ID:** WC19-SF

**Lab ID:** E104001-43

**Station ID:** WC19

**Matrix:** Surface Soil

**Date Collected:** 9/24/10 12:50

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
E1642941	% Solids	90		%		10/15/10 14:18	10/18/10 14:21	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: 10-0656

Project: 10-0656, Sloss Industries Corporation - Reported by Sallie Hale

## Total Metals

Project: 10-0656, Sloss Industries Corporation

Sample ID: WC19-SF#60

Lab ID: E104001-44

Station ID: WC19

Matrix: Surface Soil

Date Collected: 9/24/10 12:50

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7429-90-5	Aluminum	6900		mg/kg dry	9.9	10/20/10 14:24	10/27/10 23:55	EPA 6010
7440-36-0	Antimony	0.99	U	mg/kg dry	0.99	10/20/10 14:29	11/03/10 14:54	EPA 200.8
7440-38-2	Arsenic	3.0		mg/kg dry	0.99	10/20/10 14:29	11/03/10 14:54	EPA 200.8
7440-39-3	Barium	69		mg/kg dry	0.50	10/20/10 14:24	10/27/10 23:55	EPA 6010
7440-41-7	Beryllium	0.83		mg/kg dry	0.30	10/20/10 14:24	10/27/10 23:55	EPA 6010
7440-43-9	Cadmium	0.50	U	mg/kg dry	0.50	10/20/10 14:29	11/03/10 14:54	EPA 200.8
7440-70-2	Calcium	3400		mg/kg dry	25	10/20/10 14:24	10/27/10 23:55	EPA 6010
7440-47-3	Chromium	13		mg/kg dry	0.50	10/20/10 14:24	10/27/10 23:55	EPA 6010
7440-48-4	Cobalt	8.1		mg/kg dry	0.50	10/20/10 14:24	10/27/10 23:55	EPA 6010
7440-50-8	Copper	12		mg/kg dry	0.99	10/20/10 14:24	10/27/10 23:55	EPA 6010
7439-89-6	Iron	16000		mg/kg dry	9.9	10/20/10 14:24	10/27/10 23:55	EPA 6010
7439-92-1	Lead	53		mg/kg dry	0.99	10/20/10 14:29	11/03/10 14:54	EPA 200.8
7439-95-4	Magnesium	770		mg/kg dry	25	10/20/10 14:24	10/27/10 23:55	EPA 6010
7439-96-5	Manganese	1000		mg/kg dry	0.50	10/20/10 14:24	10/27/10 23:55	EPA 6010
7439-98-7	Molybdenum	2.2	U, D-4	mg/kg dry	2.2	10/20/10 14:24	10/27/10 23:55	EPA 6010
7440-02-0	Nickel	5.2		mg/kg dry	0.99	10/20/10 14:24	10/27/10 23:55	EPA 6010
7440-09-7	Potassium	350		mg/kg dry	99	10/20/10 14:24	10/27/10 23:55	EPA 6010
7782-49-2	Selenium	2.0	U	mg/kg dry	2.0	10/20/10 14:29	11/03/10 14:54	EPA 200.8
7440-22-4	Silver	0.50	U	mg/kg dry	0.50	10/20/10 14:24	10/27/10 23:55	EPA 6010
7440-23-5	Sodium	99	U	mg/kg dry	99	10/20/10 14:24	10/27/10 23:55	EPA 6010
7440-24-6	Strontium	11		mg/kg dry	0.50	10/20/10 14:24	10/27/10 23:55	EPA 6010
7440-28-0	Thallium	0.99	U	mg/kg dry	0.99	10/20/10 14:29	11/03/10 14:54	EPA 200.8
7440-31-5	Tin	2.8		mg/kg dry	1.5	10/20/10 14:24	10/27/10 23:55	EPA 6010
7440-32-6	Titanium	13		mg/kg dry	0.50	10/20/10 14:24	10/27/10 23:55	EPA 6010
7440-62-2	Vanadium	18		mg/kg dry	0.50	10/20/10 14:24	10/27/10 23:55	EPA 6010
7440-65-5	Yttrium	9.0		mg/kg dry	0.30	10/20/10 14:24	10/27/10 23:55	EPA 6010
7440-66-6	Zinc	60		mg/kg dry	0.99	10/20/10 14:24	10/27/10 23:55	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: 10-0656

Project: 10-0656, Sloss Industries Corporation - Reported by Sallie Hale

## Semi Volatile Organics

Project: 10-0656, Sloss Industries Corporation

Sample ID: WC19-SFD

Lab ID: E104001-45

Station ID: WC19

Matrix: Surface Soil

Date Collected: 9/24/10 13:15

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
91-57-6	2-Methylnaphthalene	37	U	ug/kg dry	37	9/27/10 12:05	10/05/10 19:01	EPA 8270D
83-32-9	Acenaphthene	37	U	ug/kg dry	37	9/27/10 12:05	10/05/10 19:01	EPA 8270D
208-96-8	Acenaphthylene	37	U	ug/kg dry	37	9/27/10 12:05	10/05/10 19:01	EPA 8270D
120-12-7	Anthracene	37	U	ug/kg dry	37	9/27/10 12:05	10/05/10 19:01	EPA 8270D
56-55-3	Benzo(a)anthracene	51		ug/kg dry	37	9/27/10 12:05	10/05/10 19:01	EPA 8270D
50-32-8	Benzo(a)pyrene	47		ug/kg dry	37	9/27/10 12:05	10/05/10 19:01	EPA 8270D
205-99-2	Benzo(b)fluoranthene	61		ug/kg dry	37	9/27/10 12:05	10/05/10 19:01	EPA 8270D
191-24-2	Benzo(g,h,i)perylene	37	U	ug/kg dry	37	9/27/10 12:05	10/05/10 19:01	EPA 8270D
207-08-9	Benzo(k)fluoranthene	42		ug/kg dry	37	9/27/10 12:05	10/05/10 19:01	EPA 8270D
218-01-9	Chrysene	72		ug/kg dry	37	9/27/10 12:05	10/05/10 19:01	EPA 8270D
53-70-3	Dibenz(a,h)anthracene	37	U	ug/kg dry	37	9/27/10 12:05	10/05/10 19:01	EPA 8270D
206-44-0	Fluoranthene	97		ug/kg dry	37	9/27/10 12:05	10/05/10 19:01	EPA 8270D
86-73-7	Fluorene	37	U	ug/kg dry	37	9/27/10 12:05	10/05/10 19:01	EPA 8270D
193-39-5	Indeno (1,2,3-cd) pyrene	37	U	ug/kg dry	37	9/27/10 12:05	10/05/10 19:01	EPA 8270D
91-20-3	Naphthalene	37	U	ug/kg dry	37	9/27/10 12:05	10/05/10 19:01	EPA 8270D
85-01-8	Phenanthrene	55		ug/kg dry	37	9/27/10 12:05	10/05/10 19:01	EPA 8270D
129-00-0	Pyrene	74		ug/kg dry	37	9/27/10 12:05	10/05/10 19:01	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: 10-0656

Project: 10-0656, Sloss Industries Corporation - Reported by Sallie Hale

## Total Metals

Project: 10-0656, Sloss Industries Corporation

Sample ID: WC19-SFD

Lab ID: E104001-45

Station ID: WC19

Matrix: Surface Soil

Date Collected: 9/24/10 13:15

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7429-90-5	Aluminum	8800		mg/kg dry	20	10/20/10 14:24	10/28/10 0:02	EPA 6010
7440-36-0	Antimony	0.98	U	mg/kg dry	0.98	10/20/10 14:29	11/03/10 14:58	EPA 200.8
7440-38-2	Arsenic	4.6		mg/kg dry	0.98	10/20/10 14:29	11/03/10 14:58	EPA 200.8
7440-39-3	Barium	170		mg/kg dry	0.98	10/20/10 14:24	10/28/10 0:02	EPA 6010
7440-41-7	Beryllium	1.4		mg/kg dry	0.59	10/20/10 14:24	10/28/10 0:02	EPA 6010
7440-43-9	Cadmium	0.78		mg/kg dry	0.49	10/20/10 14:29	11/03/10 14:58	EPA 200.8
7440-70-2	Calcium	2900		mg/kg dry	49	10/20/10 14:24	10/28/10 0:02	EPA 6010
7440-47-3	Chromium	41		mg/kg dry	0.98	10/20/10 14:24	10/28/10 0:02	EPA 6010
7440-48-4	Cobalt	30		mg/kg dry	0.98	10/20/10 14:24	10/28/10 0:02	EPA 6010
7440-50-8	Copper	11		mg/kg dry	2.0	10/20/10 14:24	10/28/10 0:02	EPA 6010
7439-89-6	Iron	32000		mg/kg dry	20	10/20/10 14:24	10/28/10 0:02	EPA 6010
7439-92-1	Lead	120		mg/kg dry	0.98	10/20/10 14:29	11/03/10 14:58	EPA 200.8
7439-95-4	Magnesium	660		mg/kg dry	49	10/20/10 14:24	10/28/10 0:02	EPA 6010
7439-96-5	Manganese	3900		mg/kg dry	0.98	10/20/10 14:24	10/28/10 0:02	EPA 6010
7439-98-7	Molybdenum	4.3	U, D-4	mg/kg dry	4.3	10/20/10 14:24	10/28/10 0:02	EPA 6010
7440-02-0	Nickel	7.6		mg/kg dry	2.0	10/20/10 14:24	10/28/10 0:02	EPA 6010
7440-09-7	Potassium	280		mg/kg dry	200	10/20/10 14:24	10/28/10 0:02	EPA 6010
7782-49-2	Selenium	2.0	U	mg/kg dry	2.0	10/20/10 14:29	11/03/10 14:58	EPA 200.8
7440-22-4	Silver	0.98	U	mg/kg dry	0.98	10/20/10 14:24	10/28/10 0:02	EPA 6010
7440-23-5	Sodium	200	U	mg/kg dry	200	10/20/10 14:24	10/28/10 0:02	EPA 6010
7440-24-6	Strontium	10		mg/kg dry	0.98	10/20/10 14:24	10/28/10 0:02	EPA 6010
7440-28-0	Thallium	0.98	U	mg/kg dry	0.98	10/20/10 14:29	11/03/10 14:58	EPA 200.8
7440-31-5	Tin	5.7		mg/kg dry	3.0	10/20/10 14:24	10/28/10 0:02	EPA 6010
7440-32-6	Titanium	16		mg/kg dry	0.98	10/20/10 14:24	10/28/10 0:02	EPA 6010
7440-62-2	Vanadium	34		mg/kg dry	0.98	10/20/10 14:24	10/28/10 0:02	EPA 6010
7440-65-5	Yttrium	9.7		mg/kg dry	0.59	10/20/10 14:24	10/28/10 0:02	EPA 6010
7440-66-6	Zinc	86		mg/kg dry	2.0	10/20/10 14:24	10/28/10 0:02	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: 10-0656

Project: 10-0656, Sloss Industries Corporation - Reported by Sallie Hale

## Physical Properties

**Project: 10-0656, Sloss Industries Corporation**

**Sample ID:** WC19-SFD

**Lab ID:** E104001-45

**Station ID:** WC19

**Matrix:** Surface Soil

**Date Collected:** 9/24/10 13:15

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
E1642941	% Solids	90		%		10/15/10 14:18	10/18/10 14:21	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: 10-0656

Project: 10-0656, Sloss Industries Corporation - Reported by Sallie Hale

## Total Metals

Project: 10-0656, Sloss Industries Corporation

Sample ID: WC19-SFD#60

Lab ID: E104001-46

Station ID: WC19

Matrix: Surface Soil

Date Collected: 9/24/10 13:15

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7429-90-5	Aluminum	6700		mg/kg dry	10	10/20/10 14:24	10/28/10 0:44	EPA 6010
7440-36-0	Antimony	1.0	U	mg/kg dry	1.0	10/20/10 14:29	11/03/10 15:02	EPA 200.8
7440-38-2	Arsenic	2.2		mg/kg dry	1.0	10/20/10 14:29	11/03/10 15:02	EPA 200.8
7440-39-3	Barium	67		mg/kg dry	0.50	10/20/10 14:24	10/28/10 0:44	EPA 6010
7440-41-7	Beryllium	0.86		mg/kg dry	0.30	10/20/10 14:24	10/28/10 0:44	EPA 6010
7440-43-9	Cadmium	0.50	U	mg/kg dry	0.50	10/20/10 14:29	11/03/10 15:02	EPA 200.8
7440-70-2	Calcium	3200		mg/kg dry	25	10/20/10 14:24	10/28/10 0:44	EPA 6010
7440-47-3	Chromium	14		mg/kg dry	0.50	10/20/10 14:24	10/28/10 0:44	EPA 6010
7440-48-4	Cobalt	11		mg/kg dry	0.50	10/20/10 14:24	10/28/10 0:44	EPA 6010
7440-50-8	Copper	13		mg/kg dry	1.0	10/20/10 14:24	10/28/10 0:44	EPA 6010
7439-89-6	Iron	14000		mg/kg dry	10	10/20/10 14:24	10/28/10 0:44	EPA 6010
7439-92-1	Lead	61		mg/kg dry	1.0	10/20/10 14:29	11/03/10 15:02	EPA 200.8
7439-95-4	Magnesium	710		mg/kg dry	25	10/20/10 14:24	10/28/10 0:44	EPA 6010
7439-96-5	Manganese	900		mg/kg dry	0.50	10/20/10 14:24	10/28/10 0:44	EPA 6010
7439-98-7	Molybdenum	2.2	U, D-4	mg/kg dry	2.2	10/20/10 14:24	10/28/10 0:44	EPA 6010
7440-02-0	Nickel	5.5		mg/kg dry	1.0	10/20/10 14:24	10/28/10 0:44	EPA 6010
7440-09-7	Potassium	300		mg/kg dry	100	10/20/10 14:24	10/28/10 0:44	EPA 6010
7782-49-2	Selenium	2.0	U	mg/kg dry	2.0	10/20/10 14:29	11/03/10 15:02	EPA 200.8
7440-22-4	Silver	0.50	U	mg/kg dry	0.50	10/20/10 14:24	10/28/10 0:44	EPA 6010
7440-23-5	Sodium	100	U	mg/kg dry	100	10/20/10 14:24	10/28/10 0:44	EPA 6010
7440-24-6	Strontium	10		mg/kg dry	0.50	10/20/10 14:24	10/28/10 0:44	EPA 6010
7440-28-0	Thallium	1.0	U	mg/kg dry	1.0	10/20/10 14:29	11/03/10 15:02	EPA 200.8
7440-31-5	Tin	1.5	U	mg/kg dry	1.5	10/20/10 14:24	10/28/10 0:44	EPA 6010
7440-32-6	Titanium	6.6		mg/kg dry	0.50	10/20/10 14:24	10/28/10 0:44	EPA 6010
7440-62-2	Vanadium	17		mg/kg dry	0.50	10/20/10 14:24	10/28/10 0:44	EPA 6010
7440-65-5	Yttrium	9.4		mg/kg dry	0.30	10/20/10 14:24	10/28/10 0:44	EPA 6010
7440-66-6	Zinc	67		mg/kg dry	1.0	10/20/10 14:24	10/28/10 0:44	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: 10-0656

Project: 10-0656, Sloss Industries Corporation - Reported by Sallie Hale

## Semi Volatile Organics

Project: 10-0656, Sloss Industries Corporation

Sample ID: WC20-SF

Lab ID: E104001-47

Station ID: WC20

Matrix: Surface Soil

Date Collected: 9/24/10 14:20

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
91-57-6	2-Methylnaphthalene	36	U	ug/kg dry	36	9/27/10 12:05	10/05/10 19:36	EPA 8270D
83-32-9	Acenaphthene	36	U	ug/kg dry	36	9/27/10 12:05	10/05/10 19:36	EPA 8270D
208-96-8	Acenaphthylene	36	U	ug/kg dry	36	9/27/10 12:05	10/05/10 19:36	EPA 8270D
120-12-7	Anthracene	36	U	ug/kg dry	36	9/27/10 12:05	10/05/10 19:36	EPA 8270D
56-55-3	Benzo(a)anthracene	36	U	ug/kg dry	36	9/27/10 12:05	10/05/10 19:36	EPA 8270D
50-32-8	Benzo(a)pyrene	36	U	ug/kg dry	36	9/27/10 12:05	10/05/10 19:36	EPA 8270D
205-99-2	Benzo(b)fluoranthene	42		ug/kg dry	36	9/27/10 12:05	10/05/10 19:36	EPA 8270D
191-24-2	Benzo(g,h,i)perylene	36	U	ug/kg dry	36	9/27/10 12:05	10/05/10 19:36	EPA 8270D
207-08-9	Benzo(k)fluoranthene	36	U	ug/kg dry	36	9/27/10 12:05	10/05/10 19:36	EPA 8270D
218-01-9	Chrysene	57		ug/kg dry	36	9/27/10 12:05	10/05/10 19:36	EPA 8270D
53-70-3	Dibenz(a,h)anthracene	36	U	ug/kg dry	36	9/27/10 12:05	10/05/10 19:36	EPA 8270D
206-44-0	Fluoranthene	66		ug/kg dry	36	9/27/10 12:05	10/05/10 19:36	EPA 8270D
86-73-7	Fluorene	36	U	ug/kg dry	36	9/27/10 12:05	10/05/10 19:36	EPA 8270D
193-39-5	Indeno (1,2,3-cd) pyrene	36	U	ug/kg dry	36	9/27/10 12:05	10/05/10 19:36	EPA 8270D
91-20-3	Naphthalene	36	U	ug/kg dry	36	9/27/10 12:05	10/05/10 19:36	EPA 8270D
85-01-8	Phenanthrene	36	U	ug/kg dry	36	9/27/10 12:05	10/05/10 19:36	EPA 8270D
129-00-0	Pyrene	57		ug/kg dry	36	9/27/10 12:05	10/05/10 19:36	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: 10-0656

Project: 10-0656, Sloss Industries Corporation - Reported by Sallie Hale

## Total Metals

Project: 10-0656, Sloss Industries Corporation

Sample ID: WC20-SF

Lab ID: E104001-47

Station ID: WC20

Matrix: Surface Soil

Date Collected: 9/24/10 14:20

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7429-90-5	Aluminum	6800		mg/kg dry	9.9	10/20/10 14:24	10/28/10 0:51	EPA 6010
7440-36-0	Antimony	0.99	U	mg/kg dry	0.99	10/20/10 14:29	11/03/10 15:06	EPA 200.8
7440-38-2	Arsenic	2.6		mg/kg dry	0.99	10/20/10 14:29	11/03/10 15:06	EPA 200.8
7440-39-3	Barium	53		mg/kg dry	0.50	10/20/10 14:24	10/28/10 0:51	EPA 6010
7440-41-7	Beryllium	0.42		mg/kg dry	0.30	10/20/10 14:24	10/28/10 0:51	EPA 6010
7440-43-9	Cadmium	0.50	U	mg/kg dry	0.50	10/20/10 14:29	11/03/10 15:06	EPA 200.8
7440-70-2	Calcium	5200		mg/kg dry	25	10/20/10 14:24	10/28/10 0:51	EPA 6010
7440-47-3	Chromium	21		mg/kg dry	0.50	10/20/10 14:24	10/28/10 0:51	EPA 6010
7440-48-4	Cobalt	11		mg/kg dry	0.50	10/20/10 14:24	10/28/10 0:51	EPA 6010
7440-50-8	Copper	13		mg/kg dry	0.99	10/20/10 14:24	10/28/10 0:51	EPA 6010
7439-89-6	Iron	17000		mg/kg dry	9.9	10/20/10 14:24	10/28/10 0:51	EPA 6010
7439-92-1	Lead	61		mg/kg dry	0.99	10/20/10 14:29	11/03/10 15:06	EPA 200.8
7439-95-4	Magnesium	2200		mg/kg dry	25	10/20/10 14:24	10/28/10 0:51	EPA 6010
7439-96-5	Manganese	1200		mg/kg dry	0.50	10/20/10 14:24	10/28/10 0:51	EPA 6010
7439-98-7	Molybdenum	2.2	U, D-4	mg/kg dry	2.2	10/20/10 14:24	10/28/10 0:51	EPA 6010
7440-02-0	Nickel	5.3		mg/kg dry	0.99	10/20/10 14:24	10/28/10 0:51	EPA 6010
7440-09-7	Potassium	300		mg/kg dry	99	10/20/10 14:24	10/28/10 0:51	EPA 6010
7782-49-2	Selenium	2.0	U	mg/kg dry	2.0	10/20/10 14:29	11/03/10 15:06	EPA 200.8
7440-22-4	Silver	0.50	U	mg/kg dry	0.50	10/20/10 14:24	10/28/10 0:51	EPA 6010
7440-23-5	Sodium	99	U	mg/kg dry	99	10/20/10 14:24	10/28/10 0:51	EPA 6010
7440-24-6	Strontium	7.9		mg/kg dry	0.50	10/20/10 14:24	10/28/10 0:51	EPA 6010
7440-28-0	Thallium	0.99	U	mg/kg dry	0.99	10/20/10 14:29	11/03/10 15:06	EPA 200.8
7440-31-5	Tin	1.5	U	mg/kg dry	1.5	10/20/10 14:24	10/28/10 0:51	EPA 6010
7440-32-6	Titanium	72		mg/kg dry	0.50	10/20/10 14:24	10/28/10 0:51	EPA 6010
7440-62-2	Vanadium	27		mg/kg dry	0.50	10/20/10 14:24	10/28/10 0:51	EPA 6010
7440-65-5	Yttrium	5.4		mg/kg dry	0.30	10/20/10 14:24	10/28/10 0:51	EPA 6010
7440-66-6	Zinc	69		mg/kg dry	0.99	10/20/10 14:24	10/28/10 0:51	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: 10-0656

Project: 10-0656, Sloss Industries Corporation - Reported by Sallie Hale

## Physical Properties

**Project: 10-0656, Sloss Industries Corporation**

**Sample ID:** WC20-SF

**Lab ID:** E104001-47

**Station ID:** WC20

**Matrix:** Surface Soil

**Date Collected:** 9/24/10 14:20

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
E1642941	% Solids	91		%		10/15/10 14:18	10/18/10 14:21	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: 10-0656

Project: 10-0656, Sloss Industries Corporation - Reported by Sallie Hale

## Total Metals

Project: 10-0656, Sloss Industries Corporation

Sample ID: WC20-SF#60

Lab ID: E104001-48

Station ID: WC20

Matrix: Surface Soil

Date Collected: 9/24/10 14:20

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7429-90-5	Aluminum	7000		mg/kg dry	9.9	10/20/10 14:24	10/28/10 0:58	EPA 6010
7440-36-0	Antimony	0.99	U	mg/kg dry	0.99	10/20/10 14:29	11/03/10 15:10	EPA 200.8
7440-38-2	Arsenic	2.8		mg/kg dry	0.99	10/20/10 14:29	11/03/10 15:10	EPA 200.8
7440-39-3	Barium	52		mg/kg dry	0.49	10/20/10 14:24	10/28/10 0:58	EPA 6010
7440-41-7	Beryllium	0.43		mg/kg dry	0.30	10/20/10 14:24	10/28/10 0:58	EPA 6010
7440-43-9	Cadmium	0.49	U	mg/kg dry	0.49	10/20/10 14:29	11/03/10 15:10	EPA 200.8
7440-70-2	Calcium	2400		mg/kg dry	25	10/20/10 14:24	10/28/10 0:58	EPA 6010
7440-47-3	Chromium	15		mg/kg dry	0.49	10/20/10 14:24	10/28/10 0:58	EPA 6010
7440-48-4	Cobalt	9.7		mg/kg dry	0.49	10/20/10 14:24	10/28/10 0:58	EPA 6010
7440-50-8	Copper	14		mg/kg dry	0.99	10/20/10 14:24	10/28/10 0:58	EPA 6010
7439-89-6	Iron	16000		mg/kg dry	9.9	10/20/10 14:24	10/28/10 0:58	EPA 6010
7439-92-1	Lead	61		mg/kg dry	0.99	10/20/10 14:29	11/03/10 15:10	EPA 200.8
7439-95-4	Magnesium	650		mg/kg dry	25	10/20/10 14:24	10/28/10 0:58	EPA 6010
7439-96-5	Manganese	990		mg/kg dry	0.49	10/20/10 14:24	10/28/10 0:58	EPA 6010
7439-98-7	Molybdenum	2.2	U, D-4	mg/kg dry	2.2	10/20/10 14:24	10/28/10 0:58	EPA 6010
7440-02-0	Nickel	5.4		mg/kg dry	0.99	10/20/10 14:24	10/28/10 0:58	EPA 6010
7440-09-7	Potassium	300		mg/kg dry	99	10/20/10 14:24	10/28/10 0:58	EPA 6010
7782-49-2	Selenium	2.0	U	mg/kg dry	2.0	10/20/10 14:29	11/03/10 15:10	EPA 200.8
7440-22-4	Silver	0.49	U	mg/kg dry	0.49	10/20/10 14:24	10/28/10 0:58	EPA 6010
7440-23-5	Sodium	99	U	mg/kg dry	99	10/20/10 14:24	10/28/10 0:58	EPA 6010
7440-24-6	Strontium	6.3		mg/kg dry	0.49	10/20/10 14:24	10/28/10 0:58	EPA 6010
7440-28-0	Thallium	0.99	U	mg/kg dry	0.99	10/20/10 14:29	11/03/10 15:10	EPA 200.8
7440-31-5	Tin	3.9		mg/kg dry	1.5	10/20/10 14:24	10/28/10 0:58	EPA 6010
7440-32-6	Titanium	72		mg/kg dry	0.49	10/20/10 14:24	10/28/10 0:58	EPA 6010
7440-62-2	Vanadium	26		mg/kg dry	0.49	10/20/10 14:24	10/28/10 0:58	EPA 6010
7440-65-5	Yttrium	6.1		mg/kg dry	0.30	10/20/10 14:24	10/28/10 0:58	EPA 6010
7440-66-6	Zinc	70		mg/kg dry	0.99	10/20/10 14:24	10/28/10 0:58	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: 10-0656

Project: 10-0656, Sloss Industries Corporation - Reported by Sallie Hale

## Semi Volatile Organics

Project: 10-0656, Sloss Industries Corporation

Sample ID: WC21-SF

Lab ID: E104001-49

Station ID: WC21

Matrix: Surface Soil

Date Collected: 9/24/10 14:55

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
91-57-6	2-Methylnaphthalene	36	U	ug/kg dry	36	9/27/10 12:05	10/05/10 20:11	EPA 8270D
83-32-9	Acenaphthene	36	U	ug/kg dry	36	9/27/10 12:05	10/05/10 20:11	EPA 8270D
208-96-8	Acenaphthylene	36	U	ug/kg dry	36	9/27/10 12:05	10/05/10 20:11	EPA 8270D
120-12-7	Anthracene	36	U	ug/kg dry	36	9/27/10 12:05	10/05/10 20:11	EPA 8270D
56-55-3	Benzo(a)anthracene	53		ug/kg dry	36	9/27/10 12:05	10/05/10 20:11	EPA 8270D
50-32-8	Benzo(a)pyrene	56		ug/kg dry	36	9/27/10 12:05	10/05/10 20:11	EPA 8270D
205-99-2	Benzo(b)fluoranthene	80		ug/kg dry	36	9/27/10 12:05	10/05/10 20:11	EPA 8270D
191-24-2	Benzo(g,h,i)perylene	44		ug/kg dry	36	9/27/10 12:05	10/05/10 20:11	EPA 8270D
207-08-9	Benzo(k)fluoranthene	63		ug/kg dry	36	9/27/10 12:05	10/05/10 20:11	EPA 8270D
218-01-9	Chrysene	92		ug/kg dry	36	9/27/10 12:05	10/05/10 20:11	EPA 8270D
53-70-3	Dibenz(a,h)anthracene	36	U	ug/kg dry	36	9/27/10 12:05	10/05/10 20:11	EPA 8270D
206-44-0	Fluoranthene	150		ug/kg dry	36	9/27/10 12:05	10/05/10 20:11	EPA 8270D
86-73-7	Fluorene	36	U	ug/kg dry	36	9/27/10 12:05	10/05/10 20:11	EPA 8270D
193-39-5	Indeno (1,2,3-cd) pyrene	39		ug/kg dry	36	9/27/10 12:05	10/05/10 20:11	EPA 8270D
91-20-3	Naphthalene	36	U	ug/kg dry	36	9/27/10 12:05	10/05/10 20:11	EPA 8270D
85-01-8	Phenanthrene	83		ug/kg dry	36	9/27/10 12:05	10/05/10 20:11	EPA 8270D
129-00-0	Pyrene	120		ug/kg dry	36	9/27/10 12:05	10/05/10 20:11	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: 10-0656

Project: 10-0656, Sloss Industries Corporation - Reported by Sallie Hale

## Total Metals

Project: 10-0656, Sloss Industries Corporation

Sample ID: WC21-SF

Lab ID: E104001-49

Station ID: WC21

Matrix: Surface Soil

Date Collected: 9/24/10 14:55

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7429-90-5	Aluminum	7000		mg/kg dry	10	10/20/10 14:24	10/28/10 1:06	EPA 6010
7440-36-0	Antimony	1.0	U	mg/kg dry	1.0	10/20/10 14:29	11/03/10 15:14	EPA 200.8
7440-38-2	Arsenic	2.6		mg/kg dry	1.0	10/20/10 14:29	11/03/10 15:14	EPA 200.8
7440-39-3	Barium	92		mg/kg dry	0.50	10/20/10 14:24	10/28/10 1:06	EPA 6010
7440-41-7	Beryllium	0.84		mg/kg dry	0.30	10/20/10 14:24	10/28/10 1:06	EPA 6010
7440-43-9	Cadmium	0.50	U	mg/kg dry	0.50	10/20/10 14:29	11/03/10 15:14	EPA 200.8
7440-70-2	Calcium	2500		mg/kg dry	25	10/20/10 14:24	10/28/10 1:06	EPA 6010
7440-47-3	Chromium	26		mg/kg dry	0.50	10/20/10 14:24	10/28/10 1:06	EPA 6010
7440-48-4	Cobalt	17		mg/kg dry	0.50	10/20/10 14:24	10/28/10 1:06	EPA 6010
7440-50-8	Copper	14		mg/kg dry	1.0	10/20/10 14:24	10/28/10 1:06	EPA 6010
7439-89-6	Iron	18000		mg/kg dry	10	10/20/10 14:24	10/28/10 1:06	EPA 6010
7439-92-1	Lead	72		mg/kg dry	1.0	10/20/10 14:29	11/03/10 15:14	EPA 200.8
7439-95-4	Magnesium	530		mg/kg dry	25	10/20/10 14:24	10/28/10 1:06	EPA 6010
7439-96-5	Manganese	1700		mg/kg dry	0.50	10/20/10 14:24	10/28/10 1:06	EPA 6010
7439-98-7	Molybdenum	2.2	U, D-4	mg/kg dry	2.2	10/20/10 14:24	10/28/10 1:06	EPA 6010
7440-02-0	Nickel	6.4		mg/kg dry	1.0	10/20/10 14:24	10/28/10 1:06	EPA 6010
7440-09-7	Potassium	530		mg/kg dry	100	10/20/10 14:24	10/28/10 1:06	EPA 6010
7782-49-2	Selenium	2.0	U	mg/kg dry	2.0	10/20/10 14:29	11/03/10 15:14	EPA 200.8
7440-22-4	Silver	0.50	U	mg/kg dry	0.50	10/20/10 14:24	10/28/10 1:06	EPA 6010
7440-23-5	Sodium	100	U	mg/kg dry	100	10/20/10 14:24	10/28/10 1:06	EPA 6010
7440-24-6	Strontium	9.4		mg/kg dry	0.50	10/20/10 14:24	10/28/10 1:06	EPA 6010
7440-28-0	Thallium	1.0	U	mg/kg dry	1.0	10/20/10 14:29	11/03/10 15:14	EPA 200.8
7440-31-5	Tin	2.5		mg/kg dry	1.5	10/20/10 14:24	10/28/10 1:06	EPA 6010
7440-32-6	Titanium	37		mg/kg dry	0.50	10/20/10 14:24	10/28/10 1:06	EPA 6010
7440-62-2	Vanadium	26		mg/kg dry	0.50	10/20/10 14:24	10/28/10 1:06	EPA 6010
7440-65-5	Yttrium	11		mg/kg dry	0.30	10/20/10 14:24	10/28/10 1:06	EPA 6010
7440-66-6	Zinc	120		mg/kg dry	1.0	10/20/10 14:24	10/28/10 1:06	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: 10-0656

Project: 10-0656, Sloss Industries Corporation - Reported by Sallie Hale

## Physical Properties

**Project: 10-0656, Sloss Industries Corporation**

**Sample ID:** WC21-SF

**Lab ID:** E104001-49

**Station ID:** WC21

**Matrix:** Surface Soil

**Date Collected:** 9/24/10 14:55

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
E1642941	% Solids	92		%		10/15/10 14:18	10/18/10 14:21	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: 10-0656

Project: 10-0656, Sloss Industries Corporation - Reported by Sallie Hale

## Total Metals

Project: 10-0656, Sloss Industries Corporation

Sample ID: WC21-SF#60

Lab ID: E104001-50

Station ID: WC21

Matrix: Surface Soil

Date Collected: 9/24/10 14:55

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7429-90-5	Aluminum	6900		mg/kg dry	10	10/20/10 14:24	10/28/10 1:13	EPA 6010
7440-36-0	Antimony	1.0	U, J, QM-1	mg/kg dry	1.0	10/20/10 14:29	11/03/10 15:18	EPA 200.8
7440-38-2	Arsenic	2.3		mg/kg dry	1.0	10/20/10 14:29	11/03/10 15:18	EPA 200.8
7440-39-3	Barium	89		mg/kg dry	0.50	10/20/10 14:24	10/28/10 1:13	EPA 6010
7440-41-7	Beryllium	0.74		mg/kg dry	0.30	10/20/10 14:24	10/28/10 1:13	EPA 6010
7440-43-9	Cadmium	0.50	U	mg/kg dry	0.50	10/20/10 14:29	11/03/10 15:18	EPA 200.8
7440-70-2	Calcium	2700		mg/kg dry	25	10/20/10 14:24	10/28/10 1:13	EPA 6010
7440-47-3	Chromium	12		mg/kg dry	0.50	10/20/10 14:24	10/28/10 1:13	EPA 6010
7440-48-4	Cobalt	15		mg/kg dry	0.50	10/20/10 14:24	10/28/10 1:13	EPA 6010
7440-50-8	Copper	14		mg/kg dry	1.0	10/20/10 14:24	10/28/10 1:13	EPA 6010
7439-89-6	Iron	14000		mg/kg dry	10	10/20/10 14:24	10/28/10 1:13	EPA 6010
7439-92-1	Lead	59		mg/kg dry	1.0	10/20/10 14:29	11/03/10 15:18	EPA 200.8
7439-95-4	Magnesium	590		mg/kg dry	25	10/20/10 14:24	10/28/10 1:13	EPA 6010
7439-96-5	Manganese	1600		mg/kg dry	0.50	10/20/10 14:24	10/28/10 1:13	EPA 6010
7439-98-7	Molybdenum	2.2	U, J, D-4, QM-1	mg/kg dry	2.2	10/20/10 14:24	10/28/10 1:13	EPA 6010
7440-02-0	Nickel	5.8		mg/kg dry	1.0	10/20/10 14:24	10/28/10 1:13	EPA 6010
7440-09-7	Potassium	540		mg/kg dry	100	10/20/10 14:24	10/28/10 1:13	EPA 6010
7782-49-2	Selenium	2.0	U, J, QM-1	mg/kg dry	2.0	10/20/10 14:29	11/03/10 15:18	EPA 200.8
7440-22-4	Silver	0.50	U	mg/kg dry	0.50	10/20/10 14:24	10/28/10 1:13	EPA 6010
7440-23-5	Sodium	100	U	mg/kg dry	100	10/20/10 14:24	10/28/10 1:13	EPA 6010
7440-24-6	Strontium	8.9		mg/kg dry	0.50	10/20/10 14:24	10/28/10 1:13	EPA 6010
7440-28-0	Thallium	1.0	U	mg/kg dry	1.0	10/20/10 14:29	11/03/10 15:18	EPA 200.8
7440-31-5	Tin	1.5	U, J, QM-1	mg/kg dry	1.5	10/20/10 14:24	10/28/10 1:13	EPA 6010
7440-32-6	Titanium	35	J, QM-1	mg/kg dry	0.50	10/20/10 14:24	10/28/10 1:13	EPA 6010
7440-62-2	Vanadium	21		mg/kg dry	0.50	10/20/10 14:24	10/28/10 1:13	EPA 6010
7440-65-5	Yttrium	11		mg/kg dry	0.30	10/20/10 14:24	10/28/10 1:13	EPA 6010
7440-66-6	Zinc	97		mg/kg dry	1.0	10/20/10 14:24	10/28/10 1:13	EPA 6010

## End of Report