SUPPLEMENTAL SITE INVESTIGATION SUMMARY REPORT

A PORTION OF WILLOW STREET STATION MANUFACTURED GAS PLANT SITE

Prepared for

THE PEOPLES GAS LIGHT and COKE COMPANY

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1.0 INTRODUCTION

The Peoples Gas Light and Coke Company (Peoples Gas) engaged Burns & McDonnell to perform a supplemental site investigation (SI) of a 30-foot by 265-foot portion of the former Willow Street and Hawthorne Street Stations manufactured gas plant (MGP) sites in Chicago, Illinois. The objective of this supplemental SI was to identify the environmental condition of abandoned pipes; determine whether residuals, if any, from past MGP activities are present in surface soil, subsurface soil, and groundwater; and define the nature and extent of impacted areas to aid in the development of remediation objectives, if needed. This report summarizes supplemental SI activities and presents findings.

2.0 BACKGROUND

The 30-foot by 265-foot parcel (site) is a portion of the former Willow Street and Hawthorne Street Stations which were located between Hawthorne and Marcey Streets from Willow to Wisconsin (combined total size of approximately 3.8 acres). The northern portion of the former Station is owned by Commonwealth Edison Company and is currently used as a transformer station and equipment storage yard. The southern portion of the former Station is owned by the Marcy Properties, LLC and Peoples Gas. The site is part of an approximately 0.6 acre facility owned by Peoples Gas at the northeast corner of Willow Street and Kingsbury Street. Figure 1 presents the site location map. The site is the subject of the investigation described in this supplemental SI summary report. Figure 2 presents the site layout map.

The site is located in Section 32, Township 40 North, Range 14 East in the City of Chicago, Illinois in the North Township of Cook County (City of Chicago 2002). The site is currently vacant and mostly covered by asphalt, some of which was broken up in the supplemental SI activities. The site is located in a commercial/industrial area. There are no residential properties in the immediate vicinity of the site.

3.0 PAST INVESTIGATIONS

Hanson Engineers Incorporated (HEI) conducted a preliminary site investigation in 1991 and prepared a report entitled *Preliminary Site Investigation - Willow Street Station Gas Production and Storage Facility - Chicago, Illinois* dated November 1991. This report included the majority of the 30-foot by 265-foot investigation area referred to as a portion of Willow Street Station. The investigation included a review of the environmental setting, historical documents provided by Peoples Gas, Sanborn maps, and a water well survey. A gas holder with a capacity of 2,500,000 cubic feet (ft^3) was located on part of the former Willow Street Station (immediately south of the Hawthorne Avenue Station). The report concluded that below ground structures of the gas holder may be present and, if present, may contain residual tars, unless the tar was removed during demolition of the gas holder (HEI 1991).

In 2000, Barr Engineering Company (Barr) conducted a limited site investigation on the southeastern portion of the site. Barr prepared a *Site Investigation Summary Report - A Portion of Willow Street Station MGP Site* dated February 2001. The Barr site investigation was conducted on a portion of the site, approximately 30-feet by 110-feet in size, in November 2000. Eight soil borings were advanced generally to depths ranging from 13 to 15 feet below ground surface (bgs) in the southeastern corner of

the property and fourteen soil samples were collected and analyzed for benzene, toluene, ethylbenzene, and total xylenes (BTEX), phenols, polynuclear aromatic hydrocarbons (PAHs), metals (arsenic, barium, cadmium, chromium, copper, iron, lead, manganese, mercury, nickel, selenium, silver and zinc) and total cyanide. Two piezometers were installed and groundwater samples were collected and analyzed for volatile organic compounds (VOCs), phenols, PAHs, metals (arsenic, barium, cadmium, chromium, copper, iron, lead, manganese, mercury, nickel, selenium, silver, and zinc), nitrogen, cyanide, sulfate, and sulfide. Figure 3 presents a previous investigation map. The following is a summary of Barr's findings:

- Fill material was encountered typically above 8.5 feet bgs and consisted of silty sand with crushed rock fill, clay, brick material, wood debris, and other non-native material. Native soils were typically encountered between 8.5 and 11 feet bgs.
- Odors and sheen were observed in a majority of the soil borings. Blue staining was observed in the following boring locations: SB-01 (3 to 7 feet bgs), SB-03 (5 to 9 feet bgs), and SB-06 (9 to 9.5 feet bgs).
- Groundwater was encountered at depths between 5 and 7 feet bgs.

4.0 FIELD ACTIVITIES

Supplemental SI field activities were performed in accordance with Illinois Environmental Protection Agency (Illinois EPA) approved methods. The supplemental SI field investigation was performed by Burns & McDonnell in June 2002. Attachment A contains photographs documenting field activities. An air knife vacuum device was used to locate an active gas line located on the western portion of the site. Three test trenches were excavated using a large track-mounted excavator to identify the location of abandoned pipes and to expose part of the 2,500,000 ft^3 gas holder wall. Test trench size was minimized to the extent practicable. The test trenches were excavated to depths ranging from approximately 3 to 8 feet bgs. One sample (WC-001) was collected from TT01 from 0 to 5.5 feet bgs, where visually impacted soil was observed, and was sampled for waste characterization parameters and total petroleum hydrocarbons (TPH). Soil removed from each test trench was temporarily placed on plastic sheeting. Upon completion of each test trench, the soil was placed back in the test trench. In addition, a total of fifteen soil probes were advanced to depths no deeper than 25 feet bgs at various locations along the western and eastern edges of the site. Figure 4 presents the test trench and soil probe locations. Surface and subsurface soil samples were collected using direct push sampling (DPS) equipment at soil probe locations. Probe locations were continuously sampled using 4-foot long, 1.5-inch diameter macro sampling tubes with an acetate liner. Each sample interval was field screened for VOCs using a photoionization detector (PID), and select samples were collected for laboratory analysis. Soil cuttings generated during sampling activities were collected in a roll-off box.
Visual observations of soil type and condition were recorded on drilling log forms. Field classification included principal and minor constituents, observed moisture (if any), soil color, soil texture, PID readings and impacts to the soil.

A stainless steel knife was used to facilitate sample collection from acetate liners. Carryover material from previous sampling intervals was removed before sampling. A total of eight surface soil samples were collected from the upper 3 feet of the soil horizon and thirteen subsurface soil samples were

collected from 7 to 16 feet bgs. Soil samples were analyzed for target compound list (TCL) VOCs, TCL semivolatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs), priority pollutant metals, and total cyanide. Soil samples to be analyzed for VOCs were collected immediately after sample retrieval in accordance with SW-846 Method 5035 Encore™ sampling procedures.

Soil samples to be analyzed for SVOCs, PCBs, priority pollutant metals, and total cyanide were collected after collecting VOC samples. Soil was taken directly from the acetate liner and placed in a clean disposable aluminum mixing bowl. Soil was then mixed to homogenize it and placed in sampling jars. Jar lids were secured. All soil samples were labeled, designated with a unique identifier and placed in a cooler packed with ice. Soil samples were picked up at the site by the analytical laboratory for transport to the laboratory.

After completion of soil probing activities, soil probe holes were backfilled with bentonite chips. Soil probe locations were surveyed with reference to permanent site features and measurements were recorded.

5.0 FIELD OBSERVATIONS

SITE GEOLOGY

During the supplemental SI, three test trenches were excavated to depths ranging from approximately 3 to 8 feet bgs and fifteen soil probes were advanced to depths ranging from 2.5 to 25 feet bgs. Fill material was encountered in the test trenches. Site geology was characterized during advancement of the soil probes and recorded on drilling log forms. Attachment B contains the soil probe logs. Table 1 presents physical soil results for geotechnical samples collected at the Hawthorne Regulator Station, which is adjacent to the site. The unconsolidated overburden identified beneath the site consists primarily of clay overlain by fill material. The fill material was encountered at the surface of all probe locations and varied in thickness from 2.5 to 20 feet. The clay was found beneath the fill unit at most probe locations. No bedrock was encountered during the supplemental SI. The following subsections describe the unconsolidated material encountered.

Fill Unit

The site contains fill material, averaging approximately 8.5 feet in thickness. The fill consisted primarily of clay, sand, and gravel with smaller amounts of coal, crushed bricks, cinders, and wood chips. In general, the thickness of the fill unit increases at the northwestern and southeastern site boundaries.

Clay Unit

Underlying the fill unit was a native layer of moderate brown clay with gray mottling. The clay unit was encountered at depths ranging from 5.5 to 25 feet bgs and was classified as clay using the United States Geological Survey (USGS) classification. The relative moisture of the clay was consistently moist. The relative consistency of the unit was variable, ranging from stiff to hard, and did not appear to be depth dependent. In addition, traces of sand and gravel were noted in the clay throughout the majority of probes advanced at the site.

TEST TRENCH OBSERVATIONS

During this supplemental SI, three test trenches (TT01, TT02, and TT03) were excavated to identify the location of the abandoned pipe and assumed former 2,500,000 ft^3 gas holder wall. Figure 4 presents the test pit locations.

Test trench TT01 was excavated in the southeastern portion of the site to identify the location of abandoned pipe. The test trench was excavated to a depth of approximately 5.5 feet bgs, where the top of an abandoned pipe (cast iron) was identified approximately 13 feet from Sam's Wine & Spirits. Only one abandoned pipe was identified in test trench TT01. Fill material consisting of crushed stone, sand, and clay was encountered above the abandoned pipe. The fill material was visibly impacted with black staining and some areas close to the abandoned pipe were tar coated. The abandoned pipe was opened and contained water. Approximately 2,500 gallons of water were collected from the abandoned pipe in test trench TT01.

Test trench TT02 was excavated approximately 75 feet northwest of test trench TT01 to identify the location of an abandoned pipe. The test trench was excavated to a depth of approximately 8 feet bgs, where the top of an abandoned pipe (cast iron) was identified approximately 18 feet from Sam's Wine & Spirits. Fill material consisting of mostly clay, crushed stone, and sand was encountered above the abandoned pipe. The fill material was visibly impacted with black staining in some areas near the abandoned pipe. The abandoned pipe was opened and contained water. Approximately 1,800 gallons of water were collected from the abandoned pipe in test trench TT02.

Test trench TT03 was excavated to determine the location of the assumed former 2,500,000 ft^3 gas holder wall. The excavation began inside the assumed location of the gas holder and proceeded in a diagonal trend to the southwest until the concrete gas holder wall was encountered at approximately 3 feet bgs. Fill material consisting of crushed stone, sand, and clay was encountered. The gas holder wall appeared to be approximately 1 foot wide and was approximately 7 feet from Sam's Wine & Spirits. Standing water was encountered in the area presumed to be the interior of the gas holder wall. The standing water was not collected from test trench TT03. Test trench TT03 was visibly impacted with black staining in a few areas.

6.0 SOURCE MATERIAL EVALUATION

The analytical data was evaluated to determine whether source material was present at the site according to Subpart C of Title 35, Part 742 of the Illinois Administrative Code (IAC). All soil samples collected during the supplemental SI were evaluated for source material, including the sample collected from test trench TT01 (WC-001). Attachment C contains the sampling data validation memorandum and analytical data from the supplemental SI.

Soil attenuation capacity was evaluated using either the TPH soil content or the sum of the concentrations of organic constituents in each soil sample. The Illinois Environmental Protection Agency (Illinois EPA)

Tiered Approach to Corrective Action Objectives (TACO) natural organic carbon content (f_{oc}) default values of 6,000 milligrams per kilogram (mg/kg) for surface soil and 2,000 mg/kg for subsurface soil were used to determine exceedences (35 IAC 742.215). TPH was detected at a concentration of 37,120 mg/kg from test trench TT01 (WC-001), which exceeded the soil attenuation capacity. Table 2 presents the soil attenuation capacity evaluation for sample WC-001. Attachment D contains potential source material/waste characterization analytical data from sample WC-001. The sum of concentrations of organic constituents was evaluated for all other samples collected during the supplemental SI. No other samples exceeded the soil attenuation capacity. Table 3 presents the soil attenuation capacity calculations.

The soil saturation limit (C_{sat}) for each organic chemical of interest that has a melting point below 30°C was compared to corresponding concentrations in the soil samples. The TACO default C_{sat} values were used for comparison (35 IAC 742 Appendix A). No samples that were evaluated were above the C_{sat} values; therefore, based on the available data the soil saturation criteria was met. Table 3 presents the soil saturation screening.

It was determined from real-time air monitoring and visual observation that the material sampled at the site was not unstable or explosive, did not generate toxic gases and did not respond violently with water. The soil pH was determined for two samples collected on the Regulator Station (adjacent to the site) and sample WC-001. Sample pH was between 7.8 and 8.8; therefore, the soil pH criteria was met.

Toxicity characteristic leaching procedure (TCLP) analysis was performed for lead on one potential source material soil sample (SP10-001) containing 450 mg/kg of lead. The analytical result contained 0.25 milligrams per liter (mg/l) of TCLP lead which is below the standard of 5.0 mg/l. Table 4 presents the toxicity characteristic evaluation.

The analytical samples collected during soil probing activities were analyzed for PCBs. PCBs were not detected in any of the samples collected during the supplemental SI; therefore, the PCB criteria was met.

The sample collected from test trench TT01 (WC-001) exceeded the soil attenuation capacity and therefore, is source material as defined by the Illinois EPA.

7.0 EXPOSURE ROUTE EVALUATION

The Illinois EPA developed a three-tiered procedure for evaluating data and developing remediation objectives based on risks to human health and future use. A Tier 1 evaluation compares concentrations of chemicals detected at the site to established screening levels that are based on the conservative assumptions and have no site-specific information factored into their development. This section presents a Tier 1 evaluation of all analytical data results in accordance with TACO (35 IAC Part 742 2002) for both an industrial/commercial worker and a construction worker. Soil data was compared to screening levels for three separate exposure routes: 1) soil ingestion, 2) soil inhalation and 3) soil migration to groundwater for Class II groundwater. In addition, groundwater data from the site was compared to

Tier 1 screening levels for the groundwater ingestion exposure route for Class II groundwater. Figures 5 and 6 show the Tier 1 exceedences for an industrial/commercial worker (ingestion, inhalation, soil migration to groundwater and groundwater exposure routes) and a construction worker (ingestion and inhalation exposure routes), respectively.

SOIL INGESTION EXPOSURE ROUTE

Industrial/Commercial Worker

The Tier 1 industrial/commercial soil ingestion exposure route was evaluated for 12 soil samples collected between 0 and 3 feet bgs. Table 5 presents the data screened against soil ingestion screening levels for an industrial/commercial worker.

Of the 12 samples evaluated, none of the samples exceeded the Tier 1 industrial/commercial ingestion screening levels for TCL VOCs, PCBs, or total cyanide. Tier 1 industrial/commercial ingestion screening levels were exceeded in several samples for PAHs. Seven samples exceeded the 0.8 mg/kg screening level for benzo(a)pyrene, with concentrations ranging from 0.982 mg/kg in SB-04 to 43 mg/kg in SP08-001. Benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, dibenzo(a,h)anthracene, and indeno(1,2,3-cd)pyrene also exceeded Tier 1 screening levels. The only metals that exceeded the Tier 1 screening levels were arsenic and lead. The arsenic screening level of 13 mg/kg was exceeded in sample SP08-001 at a detected concentration of 36 mg/kg. The lead screening level of 400 mg/kg was exceeded in sample SP10-001 and SB-08 at detected concentrations of 450 mg/kg and 1,210 mg/kg, respectively.

Construction Worker

The Tier 1 construction worker soil ingestion exposure route was conservatively evaluated for 35 soil samples collected between 0 and 16 feet bgs. Table 6 presents the data screened against soil ingestion screening levels for a construction worker.

Of the 35 samples evaluated, none of the samples exceeded the Tier 1 construction worker ingestion screening levels for TCL VOCs, PCBs, or total cyanide. Tier 1 construction worker ingestion screening levels were exceeded in several samples for PAHs. The benzo(a)pyrene screening level of 17 mg/kg was exceeded in three samples ranging from 37 mg/kg in SP09-001 to 67 mg/kg in SP01-001. The dibenzo(a,h)anthracene screening level of 17 mg/kg was exceeded in sample SP08-001. The only metal that exceeded the Tier 1 screening level was lead. The lead screening level of 400 mg/kg was exceeded in samples SP10-001 and SB-08 at detected concentrations of 450 mg/kg and 1,210 mg/kg, respectively.

SOIL INHALATION EXPOSURE ROUTE

Industrial/Commercial Worker

The Tier 1 industrial/commercial soil inhalation exposure route was evaluated for 31 soil samples collected between 0 and 10 feet bgs. Soil inhalation screening levels for PCBs are not available. Table 7 presents data screened against soil inhalation screening levels for industrial/commercial worker.

Of the 31 samples evaluated, none of the samples exceeded the Tier 1 industrial/commercial worker inhalation screening levels for TCL SVOCs, metals, or total cyanide. Benzene was the only compound that exceeded the Tier 1 screening levels. The benzene screening level of 1.6 mg/kg was exceeded in three samples with concentrations ranging from 2.80 mg/kg in SB-06 to 10 mg/kg in SP02-001.

Construction Worker

The Tier 1 construction worker soil inhalation exposure route was conservatively evaluated for 35 soil samples collected between 0 and 16 feet bgs. Soil inhalation screening levels for PCBs are not available. Table 8 presents the data screened against soil inhalation screening levels for a construction worker.

Of the 35 samples evaluated, none of the samples exceeded the Tier 1 construction worker ingestion screening levels for metals or total cyanide. The benzene screening level of 2.2 mg/kg was exceeded in three samples with concentrations ranging from 2.80 mg/kg in SB-06 to 10 mg/kg in SP02-001. The naphthalene screening level of 1.8 mg/kg was exceeded in four samples with concentrations ranging from 1.9 mg/kg in SP08-001 to 400 mg/kg in SP01-001.

SOIL MIGRATION TO GROUNDWATER EXPOSURE ROUTE

The Tier 1 soil migration to groundwater exposure route was evaluated for 35 soil samples collected above the water table. The groundwater at the site is classified as Class II groundwater based on the following criteria: the clay unit does not meet the definition of a Class I aquifer, as defined in 35 IAC, Subtitle F, Chapter 1, Part 620-Groundwater Quality, Section 210; groundwater is not used as a potable water source within one mile of the site; and the City of Chicago obtains its municipal water supplies from Lake Michigan. Soil migration to groundwater screening levels for PCBs are not available. Table 9 presents data screened against Tier 1 screening levels for the soil migration to groundwater exposure route based on Class II groundwater.

Of the 35 samples evaluated, none of the samples exceeded the Tier 1 screening levels for the Class II soil migration to groundwater exposure route for total cyanide. Four samples exceeded the benzene screening level of 0.17 mg/kg with concentrations ranging from 1.5 mg/kg in SP01-001 to 3.80 mg/kg at SB-05. Two samples exceeded the carbazole screening level of 2.8 mg/kg with concentrations of 3.5 mg/kg in SP01-001 and 5.5 mg/kg in SP09-001. Three samples exceeded the benzo(a)anthracene screening level of 8 mg/kg with concentrations ranging from 36 mg/kg in SP09-001 to 85 mg/kg in SP08-001. Three samples exceeded the benzo(b)fluoranthene screening level of 25 mg/kg with concentrations ranging from 37 mg/kg in SP09-001 to 140 mg/kg in SP08-001. Two samples exceeded the dibenzo(a,h)anthracene screening level of 7.6 mg/kg with concentrations of 7.7 mg/kg in SP09-001 and 31 mg/kg in SP08-001. Two samples exceeded the naphthalene screening level of 18 mg/kg with concentrations of 25.7 mg/kg in SB-06 to 400 mg/kg in SP01-001. Sample SB-06 was the only sample to exceed the iron screening level of 15,900 mg/kg with a concentration of 24,800 mg/kg. Eighteen samples exceeded the lead screening level of 36 mg/kg with concentrations ranging from 37 mg/kg in SP07-002 to 1,210 mg/kg in SB-08. Sample SB-04 was the only sample to exceed the manganese screening level of 636 mg/kg with a concentration of 991 mg/kg.

GROUNDWATER INGESTION EXPOSURE ROUTE

The Class II Tier 1 groundwater ingestion exposure route was evaluated for two groundwater samples. Table 10 presents the Tier 1 screening for the Class II groundwater ingestion exposure route.

Both samples did not exceed the Tier 1 Class II groundwater ingestion exposure route for metals. Groundwater sample PZ-01 exceeded the benzene screening level of 0.025 mg/l with a concentration of 1.70 mg/l. Benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, chrysene, dibenzo(a)anthracene, naphthalene and pyrene were also exceeded in groundwater sample PZ-01 with concentrations ranging from 0.005 mg/l of dibenzo(a)anthracene to 3.52 mg/l of naphthalene. Groundwater sample PZ-02 exceeded the total cyanide screening level of 0.6 mg/l with a concentration of 1.79 mg/l and the sulfate screening level of 400 mg/l with a concentration of 1,700 mg/l.

8.0 SUMMARY AND CONCLUSIONS

The overall objective of the supplemental SI conducted on the 30-foot by 265-foot portion of Willow Street Station was to identify the environmental condition of abandoned pipes; determine whether residuals, if any, from past MGP activities are present in surface soil, subsurface soil, and groundwater; and define the nature and extent of impacted areas to aid in the development of remediation objectives, if needed. The objectives of the supplemental SI were met to the extent possible. The evaluation of the existing data indicates that no further investigation is needed and remediation objectives can be developed. Figure 7 presents the summary of findings. The following conclusions can be made based on the supplemental SI:

- Electric and natural gas utilities are located either on the site or in close proximity. An electrical line lies on the western edge of the site along Kingsbury Street. In addition, a high pressure gas line is located on the northwest portion of the site and eventually shifts approximately 5 feet outside of the southeastern portion of the site.
- Source material, according to Subpart C of 35 IAC 742, was identified in test trench TT01 located at the southeastern portion of the site, where an abandoned pipe was identified at 5.5 feet bgs.
- Blue staining was observed in Barr soil borings SB-01 (3 to 7 feet bgs), SB-03 (5 to 9 feet bgs) and SB-06 (9 to 9.5 feet bgs).
- An abandoned pipe was identified at test trench TT02 at 8 feet bgs. Based on field observations test trench TT02 was not as visually impacted as test trench TT01.
- A section of the assumed former 2,500,000 ft^3 gas holder wall was identified at test trench TT03, where water was encountered at the presumed interior of the gas holder. Test trench TT03 was visibly impacted in a few areas.
- The water table was not encountered during the supplemental SI activities.
- Based on a restricted industrial/commercial worker evaluation, the southeastern portion of the site contains benzene, benzo(a)pyrene, and TPH concentrations exceeding Tier 1 screening levels up to 10 feet bgs. The remaining portion of the site contains benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, dibenzo(a,h)anthracene,

indeno(1,2,3-cd)pyrene, naphthalene, arsenic and lead concentrations exceeding Tier 1 screening levels.

- Based on an unrestricted construction worker evaluation, the southeastern portion of the site contains benzene, benzo(a)pyrene, naphthalene and TPH concentrations exceeding Tier 1 screening levels up to a depth of approximately 16 feet bgs. The remaining portion of the site contains benzo(a)pyrene, dibenzo(a,h)anthracene, naphthalene and lead concentrations exceeding Tier 1 screening levels.

Both the previous SI and the supplemental SI data results will be further evaluated based on current and future site usage.

9.0 REFERENCES

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TABLES
A PORTION OF WILLOW STREET STATION

Table 1
Physical Soil Results
A Portion of Willow Street Station

	Sample Location and Depth (feet below ground surface)	
	SP19-001 1-3	SP16-301 8-10
pH	7.9	7.8
Total Organic Carbon (TOC) (%)	4.99	3.70
Moisture Content (%)	17.64	17.9
Gravel Fraction (%)	NA	2.9
Sand Fraction (%)	NA	18.5
Fines Fraction (%)	NA	78.6
Soil Classification	NA	Clay (CL)

Notes:
(1) NA - Not Analyzed.
(2) Samples were collected on the Hawthorne Regulator Station.

Table 2
Potential Source Material Calculation for Soil Attenuation Capacity - TPH
A Portion of Willow Street Station

Parameter	Surface Soils (mg/kg)	Subsurface Soils (mg/kg)	Sample Location/Concentration WC-001**
Total Petroleum Hydrocarbons (TPH) - (mg/kg)			
TPH-Gasoline	--	--	120
TPH-Diesel	--	--	23,000
TPH-Oil	--	--	14,000
TOTAL TPH	6000*	2000*	37,120

Notes:
(1) * - Default natural organic carbon fraction is presented in TACO, Section 742.215.
(2) ** - Grab sample from excavated materials in test trench TT01; sampled at a depth of 0 to 5.5 feet below ground surface.
(3) Shaded value exceeds default values.

Table 3
Potential Source Material Calculations for Soil Attenuation Capacity and Soil Saturation
A Portion of Willow Street Station

Compound/Analyte	C_{sat} (mg/kg)	Sample Location and Depth (feet below ground surface)/Concentration			
		SP01-001 14-16	SP02-001 7-8	SP03-001 10-11	SP05-001 2-3
		WT ~ NE	WT ~ NE	WT ~ NE	WT ~ NE
TCL Volatiles (mg/kg)					
Acetone	10,000	0.08 U	0.086 U	0.048 U	0.054 U
Benzene	870	1.5	10	0.0097	0.011 U
Bromodichloromethane	3,000	0.016 U	0.017 U	0.0095 U	0.011 U
Bromoform	1,900	0.016 U	0.017 U	0.0095 U	0.011 U
Bromomethane	3,200	0.032 U	0.034 U	0.019 U	0.022 U
2-Butanone	--	0.032 U	0.034 U	0.019 U	0.022 U
Carbon Disulfide	720	0.016 U	0.017 U	0.0095 U	0.011 U
Carbon Tetrachloride	1,100	0.016 U	0.017 U	0.0095 U	0.011 U
Chlorobenzene	680	0.016 U	0.017 U	0.0095 U	0.011 U
Chloroethane	--	0.032 U	0.034 U	0.019 U	0.022 U
Chloroform	2,900	0.016 U	0.017 U	0.0095 U	0.011 U
Chloromethane	--	0.016 U	0.017 U	0.0095 U	0.011 U
Dibromochloromethane	1,300	0.016 U	0.017 U	0.0095 U	0.011 U
1,1-Dichloroethane	1,700	0.016 U	0.017 U	0.0095 U	0.011 U
1,2-Dichloroethane	1,800	0.016 U	0.017 U	0.0095 U	0.011 U
1,1-Dichloroethene	1,500	0.016 U	0.017 U	0.0095 U	0.011 U
cis-1,2-Dichloroethene	--	0.016 U	0.017 U	0.0095 U	0.011 U
trans-1,2-Dichloroethene	--	0.016 U	0.017 U	0.0095 U	0.011 U
1,2-Dichloropropane	1,100	0.016 U	0.017 U	0.0095 U	0.011 U
cis-1,3-Dichloropropene	1,400	0.016 U	0.017 U	0.0095 U	0.011 U
trans-1,3-Dichloropropene	1,400	0.016 U	0.017 U	0.0095 U	0.011 U
Ethylbenzene	400	5.6	0.091	0.0095 U	0.011 U
2-Hexanone	--	0.032 U	0.034 U	0.019 U	0.022 U
4-Methyl-2-Pentanone	--	0.032 U	0.034 U	0.019 U	0.022 U
Methylene Chloride	2,400	0.032 U	0.034 U	0.019 U	0.022 U
Styrene	1,500	0.041	0.017 U	0.0095 U	0.011 U
1,1,2,2-Tetrachloroethane	--	0.016 U	0.017 U	0.0095 U	0.011 U
Tetrachloroethene	240	0.016 U	0.017 U	0.0095 U	0.011 U
Toluene	650	0.056	0.028	0.0095 U	0.011 U
1,1,1-Trichloroethane	1,200	0.016 U	0.017 U	0.0095 U	0.011 U
1,1,2-Trichloroethane	1,800	0.016 U	0.017 U	0.0095 U	0.011 U
Trichloroethene	1,300	0.016 U	0.017 U	0.0095 U	0.011 U
Vinyl Chloride	1,200	0.016 U	0.017 U	0.0095 U	0.011 U
m,p-Xylene	420	0.069	0.21	0.083	0.011 U
o-Xylene	410	0.52	0.065	0.011	0.011 U
Subtotal:		8.4	11.1	0.5	0.5

Notes:
(1) U - Indicates compound/analyte was analyzed for but not detected, the associated value is the sample reporting limit.
(2) WT ~ NE - Water Table Not Encountered.
(3) -- Soil saturation limits not available.

Table 3 (Continued)
Potential Source Material Calculations for Soil Attenuation Capacity and Soil Saturation
A Portion of Willow Street Station

Compound/Analyte	C_{sat} (mg/kg)	Sample Location and Depth (feet below ground surface)/Concentration			
		SP01-001 14-16	SP02-001 7-8	SP03-001 10-11	SP05-001 2-3
		WT ~ NE	WT ~ NE	WT ~ NE	WT ~ NE
TCL Semivolatiles (mg/kg)					
Bis(2-chloroethoxy)methane	--	0.43 U	0.39 U	0.39 U	0.38 U
Bis(2-chloroethyl)ether	3,300	0.43 U	0.39 U	0.39 U	0.38 U
Bis(2-ethylhexyl)phthalate	31,000	0.43 U	0.39 U	0.39 U	0.38 U
4-Bromophenyl phenyl ether	--	0.43 U	0.39 U	0.39 U	0.38 U
Butyl benzyl phthalate	930	0.43 U	0.39 U	0.39 U	0.38 U
Carbazole	--	3.5	0.39 U	0.39 U	0.38 U
4-Chloro-3-methylphenol	--	0.43 U	0.39 U	0.39 U	0.38 U
4-Chloroaniline	--	0.43 U	0.39 U	0.39 U	0.38 U
2-Chloronaphthalene	--	0.43 U	0.39 U	0.39 U	0.38 U
2-Chlorophenol	53,000	0.43 U	0.39 U	0.39 U	0.38 U
4-Chlorophenyl phenyl ether	--	0.43 U	0.39 U	0.39 U	0.38 U
Dibenzofuran	--	2.7	0.39 U	0.39 U	0.38 U
1,2-Dichlorobenzene	560	0.43 U	0.39 U	0.39 U	0.38 U
1,3-Dichlorobenzene	--	0.43 U	0.39 U	0.39 U	0.38 U
1,4-Dichlorobenzene	--	0.43 U	0.39 U	0.39 U	0.38 U
3,3´-Dichlorobenzidine	--	0.86 U	0.79 U	0.78 U	0.76 U
2,4-Dichlorophenol	--	0.43 U	0.39 U	0.39 U	0.38 U
Diethyl phthalate	2,000	0.43 U	0.39 U	0.39 U	0.38 U
Dimethyl phthalate	--	0.43 U	0.39 U	0.39 U	0.38 U
Di-n-butyl phthalate	2,300	0.43 U	0.39 U	0.39 U	0.38 U
2,4-Dimethylphenol	--	0.43 U	0.39 U	0.39 U	0.38 U
4,6-Dinitro-2-methylphenol	--	2.1 U	1.9 U	1.9 U	1.8 U
2,4-Dinitrophenol	--	2.1 U	1.9 U	1.9 U	1.8 U
2,4-Dinitrotoluene	--	0.33 U	0.3 U	0.29 U	0.29 U
2,6-Dinitrotoluene	--	0.33 U	0.3 U	0.29 U	0.29 U
Di-n-octyl phthalate	10,000	0.43 U	0.39 U	0.39 U	0.38 U
Hexachlorobenzene	--	0.43 U	0.39 U	0.39 U	0.38 U
Hexachlorobutadiene	--	0.43 U	0.39 U	0.39 U	0.38 U
Hexachlorocyclopentadiene	2,200	0.43 U	0.39 U	0.39 U	0.38 U
Hexachloroethane	--	0.43 U	0.39 U	0.39 U	0.38 U
Isophorone	4,600	0.43 U	0.39 U	0.39 U	0.38 U
2-Methylnaphthalene	--	30	6.9	0.39 U	0.39
2-Methylphenol	--	0.43 U	0.39 U	0.39 U	0.38 U
4-Methylphenol	--	0.43 U	0.39 U	0.39 U	0.38 U
2-Nitroaniline	--	2.1 U	1.9 U	1.9 U	1.8 U
3-Nitroaniline	--	2.1 U	1.9 U	1.9 U	1.8 U
4-Nitroaniline	--	2.1 U	1.9 U	1.9 U	1.8 U
Nitrobenzene	1,000	0.43 U	0.39 U	0.39 U	0.38 U
2-Nitrophenol	--	2.1 U	1.9 U	1.9 U	1.8 U
4-Nitrophenol	--	2.1 U	1.9 U	1.9 U	1.8 U
N-Nitrosodi-n-propylamine	--	0.43 U	0.39 U	0.39 U	0.38 U
N-Nitrosodiphenylamine	--	0.43 U	0.39 U	0.39 U	0.38 U
2, 2'-oxybis(1-Chloropropane)	--	0.43 U	0.39 U	0.39 U	0.38 U
Pentachlorophenol	--	2.1 U	1.9 U	1.9 U	1.8 U
Phenol	--	0.43 U	0.39 U	0.39 U	0.38 U
1,2,4-Trichlorobenzene	3,200	0.43 U	0.39 U	0.39 U	0.38 U
2,4,5-Trichlorophenol	--	0.86 U	0.79 U	0.78 U	0.76 U
2,4,6-Trichlorophenol	--	0.43 U	0.39 U	0.39 U	0.38 U
Subtotal:		69.6	37.9	31.4	30.2

Notes:
(1) U - Indicates compound/analyte was analyzed for but not detected, the associated value is the sample reporting limit.
(2) WT ~ NE - Water Table Not Encountered.
(3) -- Soil saturation limits not available.

Table 3 (Continued)
Potential Source Material Calculations for Soil Attenuation Capacity and Soil Saturation
A Portion of Willow Street Station

Compound/Analyte	C_{sat} (mg/kg)	Sample Location and Depth (feet below ground surface)/Concentration			
		SP01-001 14-16	SP02-001 7-8	SP03-001 10-11	SP05-001 2-3
		WT ~ NE	WT ~ NE	WT ~ NE	WT ~ NE
PAHs (mg/kg)					
Acenaphthene	--	76	3.7	0.029 U	0.058
Acenaphthylene	--	24	0.47	0.029 U	1.7
Anthracene	--	88	2.2	0.029 U	0.49
Benzo(a)anthracene	--	51	1	0.029 U	2.3
Benzo(a)pyrene	--	67	1.2	0.029 U	3.4
Benzo(b)fluoranthene	--	42	0.71	0.029 U	3.6
Benzo(g,h,i)perylene	--	39	0.69	0.029 U	1.9
Benzo(k)fluoranthene	--	37	0.67	0.029 U	3.2
Chrysene	--	51	0.96	0.029 U	2.6
Dibenzo(a,h)anthracene	--	6.6	0.15	0.029 U	0.65
Fluoranthene	--	180	2.7	0.03	2.3
Fluorene	--	65	1.9	0.029 U	0.35
Indeno(1,2,3-cd)pyrene	--	30	0.52	0.029 U	1.7
Naphthalene	--	400	1.3	0.029	1.7
Phenanthrene	--	300	4.6	0.064	0.62
Pyrene	--	230	3.5	0.045	3.6
PCBs (mg/kg)					
Aroclor 1016	--	0.1 U	0.099 U	0.095 U	0.093 U
Aroclor 1221	--	0.1 U	0.099 U	0.095 U	0.093 U
Aroclor 1232	--	0.1 U	0.099 U	0.095 U	0.093 U
Aroclor 1242	--	0.1 U	0.099 U	0.095 U	0.093 U
Aroclor 1248	--	0.1 U	0.099 U	0.095 U	0.093 U
Aroclor 1254	--	0.21 U	0.2 U	0.19 U	0.19 U
Aroclor 1260	--	0.21 U	0.2 U	0.19 U	0.19 U
Subtotal:		1,687.5	27.2	1.4	31.0
Total Organic Content:		1766	76	33	62

Notes:
(1) U - Indicates compound/analyte was analyzed for but not detected, the associated value is the sample reporting limit.
(2) WT ~ NE - Water Table Not Encountered.
(3) -- Soil saturation limits not available.

Table 3 (Continued)
Potential Source Material Calculations for Soil Attenuation Capacity and Soil Saturation
A Portion of Willow Street Station

Compound/Analyte	C_{sat} (mg/kg)	Sample Location and Depth (feet below ground surface)/Concentration			
		SP05-002 6-8	SP06-001 1-3	SP06B-002 9-11	SP07-001 2-3
		WT ~ NE	WT ~ NE	WT ~ NE	WT ~ NE
TCL Volatiles (mg/kg)					
Acetone	10,000	0.042 U	0.053 U	0.073	0.16
Benzene	870	0.0083 U	0.017	0.045	0.018 U
Bromodichloromethane	3,000	0.0083 U	0.011 U	0.012 U	0.018 U
Bromoform	1,900	0.0083 U	0.011 U	0.012 U	0.018 U
Bromomethane	3,200	0.017 U	0.021 U	0.024 U	0.036 U
2-Butanone	--	0.017 U	0.021 U	0.024 U	0.066
Carbon Disulfide	720	0.0083 U	0.011 U	0.012 U	0.018 U
Carbon Tetrachloride	1,100	0.0083 U	0.011 U	0.012 U	0.018 U
Chlorobenzene	680	0.0083 U	0.011 U	0.012 U	0.018 U
Chloroethane	--	0.017 U	0.021 U	0.024 U	0.036 U
Chloroform	2,900	0.0083 U	0.011 U	0.012 U	0.018 U
Chloromethane	--	0.0083 U	0.011 U	0.012 U	0.018 U
Dibromochloromethane	1,300	0.0083 U	0.011 U	0.012 U	0.018 U
1,1-Dichloroethane	1,700	0.0083 U	0.011 U	0.012 U	0.018 U
1,2-Dichloroethane	1,800	0.0083 U	0.011 U	0.012 U	0.018 U
1,1-Dichloroethene	1,500	0.0083 U	0.011 U	0.012 U	0.018 U
cis-1,2-Dichloroethene	--	0.0083 U	0.011 U	0.012 U	0.018 U
trans-1,2-Dichloroethene	--	0.0083 U	0.011 U	0.012 U	0.018 U
1,2-Dichloropropane	1,100	0.0083 U	0.011 U	0.012 U	0.018 U
cis-1,3-Dichloropropene	1,400	0.0083 U	0.011 U	0.012 U	0.018 U
trans-1,3-Dichloropropene	1,400	0.0083 U	0.011 U	0.012 U	0.018 U
Ethylbenzene	400	0.0083 U	0.011 U	0.012 U	0.018 U
2-Hexanone	--	0.017 U	0.021 U	0.024 U	0.036 U
4-Methyl-2-Pentanone	--	0.017 U	0.021 U	0.024 U	0.036 U
Methylene Chloride	2,400	0.017 U	0.021 U	0.024 U	0.036 U
Styrene	1,500	0.0083 U	0.011 U	0.012 U	0.018 U
1,1,2,2-Tetrachloroethane	--	0.0083 U	0.011 U	0.012 U	0.018 U
Tetrachloroethene	240	0.0083 U	0.011 U	0.012 U	0.018 U
Toluene	650	0.0083 U	0.014	0.012 U	0.018 U
1,1,1-Trichloroethane	1,200	0.0083 U	0.011 U	0.012 U	0.018 U
1,1,2-Trichloroethane	1,800	0.0083 U	0.011 U	0.012 U	0.018 U
Trichloroethene	1,300	0.0083 U	0.011 U	0.012 U	0.018 U
Vinyl Chloride	1,200	0.0083 U	0.011 U	0.012 U	0.018 U
m,p-Xylene	420	0.0083 U	0.011 U	0.012 U	0.018 U
o-Xylene	410	0.0083 U	0.011 U	0.012 U	0.018 U
Subtotal:		0.4	0.5	0.6	0.9

Notes:
(1) U - Indicates compound/analyte was analyzed for but not detected, the associated value is the sample reporting limit.
(2) WT ~ NE - Water Table Not Encountered.
(3) -- Soil saturation limits not available.

Table 3 (Continued)
Potential Source Material Calculations for Soil Attenuation Capacity and Soil Saturation
A Portion of Willow Street Station

Compound/Analyte	C_{sat} (mg/kg)	Sample Location and Depth (feet below ground surface)/Concentration			
		SP05-002 6-8	SP06-001 1-3	SP06B-002 9-11	SP07-001 2-3
		WT ~ NE	WT ~ NE	WT ~ NE	WT ~ NE
TCL Semivolatiles (mg/kg)					
Bis(2-chloroethoxy)methane	--	0.39 U	0.44 U	0.4 U	0.4 U
Bis(2-chloroethyl)ether	3,300	0.39 U	0.44 U	0.4 U	0.4 U
Bis(2-ethylhexyl)phthalate	31,000	0.39 U	0.44 U	0.4 U	0.4 U
4-Bromophenyl phenyl ether	--	0.39 U	0.44 U	0.4 U	0.4 U
Butyl benzyl phthalate	930	0.39 U	0.44 U	0.4 U	0.4 U
Carbazole	--	0.64	0.44 U	0.4 U	0.4 U
4-Chloro-3-methylphenol	--	0.39 U	0.44 U	0.4 U	0.4 U
4-Chloroaniline	--	0.39 U	0.44 U	0.4 U	0.4 U
2-Chloronaphthalene	--	0.39 U	0.44 U	0.4 U	0.4 U
2-Chlorophenol	53,000	0.39 U	0.44 U	0.4 U	0.4 U
4-Chlorophenyl phenyl ether	--	0.39 U	0.44 U	0.4 U	0.4 U
Dibenzofuran	--	0.39 U	0.44 U	0.4 U	0.4 U
1,2-Dichlorobenzene	560	0.39 U	0.44 U	0.4 U	0.4 U
1,3-Dichlorobenzene	--	0.39 U	0.44 U	0.4 U	0.4 U
1,4-Dichlorobenzene	--	0.39 U	0.44 U	0.4 U	0.4 U
3,3´-Dichlorobenzidine	--	0.79 U	0.88 U	0.81 U	0.8 U
2,4-Dichlorophenol	--	0.39 U	0.44 U	0.4 U	0.4 U
Diethyl phthalate	2,000	0.39 U	0.44 U	0.4 U	0.4 U
Dimethyl phthalate	--	0.39 U	0.44 U	0.4 U	0.4 U
Di-n-butyl phthalate	2,300	0.39 U	0.44 U	0.4 U	0.4 U
2,4-Dimethylphenol	--	0.39 U	0.44 U	0.4 U	0.4 U
4,6-Dinitro-2-methylphenol	--	1.9 U	2.1 U	2 U	1.9 U
2,4-Dinitrophenol	--	1.9 U	2.1 U	2 U	1.9 U
2,4-Dinitrotoluene	--	0.3 U	0.33 U	0.31 U	0.3 U
2,6-Dinitrotoluene	--	0.3 U	0.33 U	0.31 U	0.3 U
Di-n-octyl phthalate	10,000	0.39 U	0.44 U	0.4 U	0.4 U
Hexachlorobenzene	--	0.39 U	0.44 U	0.4 U	0.4 U
Hexachlorobutadiene	--	0.39 U	0.44 U	0.4 U	0.4 U
Hexachlorocyclopentadiene	2,200	0.39 U	0.44 U	0.4 U	0.4 U
Hexachloroethane	--	0.39 U	0.44 U	0.4 U	0.4 U
Isophorone	4,600	0.39 U	0.44 U	0.4 U	0.4 U
2-Methylnaphthalene	--	0.39 U	0.44 U	0.4 U	0.4 U
2-Methylphenol	--	0.39 U	0.44 U	0.4 U	0.4 U
4-Methylphenol	--	0.39 U	0.44 U	0.4 U	0.4 U
2-Nitroaniline	--	1.9 U	2.1 U	2 U	1.9 U
3-Nitroaniline	--	1.9 U	2.1 U	2 U	1.9 U
4-Nitroaniline	--	1.9 U	2.1 U	2 U	1.9 U
Nitrobenzene	1,000	0.39 U	0.44 U	0.4 U	0.4 U
2-Nitrophenol	--	1.9 U	2.1 U	2 U	1.9 U
4-Nitrophenol	--	1.9 U	2.1 U	2 U	1.9 U
N-Nitrosodi-n-propylamine	--	0.39 U	0.44 U	0.4 U	0.4 U
N-Nitrosodiphenylamine	--	0.39 U	0.44 U	0.4 U	0.4 U
2, 2'-oxybis(1-Chloropropane)	--	0.39 U	0.44 U	0.4 U	0.4 U
Pentachlorophenol	--	1.9 U	2.1 U	2 U	1.9 U
Phenol	--	0.39 U	0.44 U	0.4 U	0.4 U
1,2,4-Trichlorobenzene	3,200	0.39 U	0.44 U	0.4 U	0.4 U
2,4,5-Trichlorophenol	--	0.79 U	0.88 U	0.81 U	0.8 U
2,4,6-Trichlorophenol	--	0.39 U	0.44 U	0.4 U	0.4 U
Subtotal:		31.7	35.1	32.6	31.8

Notes:
(1) U - Indicates compound/analyte was analyzed for but not detected, the associated value is the sample reporting limit.
(2) WT ~ NE - Water Table Not Encountered.
(3) -- Soil saturation limits not available.

Table 3 (Continued)
Potential Source Material Calculations for Soil Attenuation Capacity and Soil Saturation
A Portion of Willow Street Station

Compound/Analyte	C_{sat} (mg/kg)	Sample Location and Depth (feet below ground surface)/Concentration			
		SP05-002 6-8	SP06-001 1-3	SP06B-002 9-11	SP07-001 2-3
		WT ~ NE	WT ~ NE	WT ~ NE	WT ~ NE
PAHs (mg/kg)					
Acenaphthene	--	1.2	0.033 U	0.031 U	0.22
Acenaphthylene	--	0.15	0.033 U	0.031 U	1.1
Anthracene	--	3.7	0.05	0.031 U	0.45
Benzo(a)anthracene	--	5.6	0.18	0.031 U	1.8
Benzo(a)pyrene	--	3.9	0.064	0.031 U	1.8
Benzo(b)fluoranthene	--	3.4	0.033 U	0.031 U	2.1
Benzo(g,h,i)perylene	--	1.1	0.04	0.031 U	0.92
Benzo(k)fluoranthene	--	3.6	0.037	0.031 U	2
Chrysene	--	5.4	0.23	0.031 U	2.2
Dibenzo(a,h)anthracene	--	0.66	0.033 U	0.031 U	0.46
Fluoranthene	--	18	0.14	0.031 U	1.9
Fluorene	--	0.6	0.033 U	0.031 U	0.22
Indeno(1,2,3-cd)pyrene	--	1.3	0.033 U	0.031 U	0.86
Naphthalene	--	0.072	0.058	0.053	0.13
Phenanthrene	--	7.6	0.18	0.031 U	0.42
Pyrene	--	15	0.41	0.031 U	2.9
PCBs (mg/kg)					
Aroclor 1016	--	0.093 U	0.1 U	0.093 U	0.095 U
Aroclor 1221	--	0.093 U	0.1 U	0.093 U	0.095 U
Aroclor 1232	--	0.093 U	0.1 U	0.093 U	0.095 U
Aroclor 1242	--	0.093 U	0.1 U	0.093 U	0.095 U
Aroclor 1248	--	0.093 U	0.1 U	0.093 U	0.095 U
Aroclor 1254	--	0.19 U	0.21 U	0.19 U	0.19 U
Aroclor 1260	--	0.19 U	0.21 U	0.19 U	0.19 U
Subtotal:		72.1	2.5	1.4	20.3
Total Organic Content:		104	38	35	53

Notes:
(1) U - Indicates compound/analyte was analyzed for but not detected, the associated value is the sample reporting limit.
(2) WT ~ NE - Water Table Not Encountered.
(3) -- Soil saturation limits not available.

Table 3 (Continued)
Potential Source Material Calculations for Soil Attenuation Capacity and Soil Saturation
A Portion of Willow Street Station

Compound/Analyte	C_{sat} (mg/kg)	Sample Location and Depth (feet below ground surface)/Concentration			
		SP07-002 7-8	SP07-003 9-11	SP08-001 2-3	SP08-002 6-7
		WT ~ NE	WT ~ NE	WT ~ NE	WT ~ NE
TCL Volatiles (mg/kg)					
Acetone	10,000	0.16	0.039 U	0.093 U	0.054
Benzene	870	0.02 U	0.0078 U	0.036	0.01 U
Bromodichloromethane	3,000	0.02 U	0.0078 U	0.019 U	0.01 U
Bromoform	1,900	0.02 U	0.0078 U	0.019 U	0.01 U
Bromomethane	3,200	0.039 U	0.016 U	0.037 U	0.02 U
2-Butanone	--	0.075	0.016 U	0.049	0.033
Carbon Disulfide	720	0.02 U	0.0078 U	0.019 U	0.01 U
Carbon Tetrachloride	1,100	0.02 U	0.0078 U	0.019 U	0.01 U
Chlorobenzene	680	0.02 U	0.0078 U	0.019 U	0.01 U
Chloroethane	--	0.039 U	0.016 U	0.037 U	0.02 U
Chloroform	2,900	0.02 U	0.0078 U	0.019 U	0.01 U
Chloromethane	--	0.02 U	0.0078 U	0.019 U	0.01 U
Dibromochloromethane	1,300	0.02 U	0.0078 U	0.019 U	0.01 U
1,1-Dichloroethane	1,700	0.02 U	0.0078 U	0.019 U	0.01 U
1,2-Dichloroethane	1,800	0.02 U	0.0078 U	0.019 U	0.01 U
1,1-Dichloroethene	1,500	0.02 U	0.0078 U	0.019 U	0.01 U
cis-1,2-Dichloroethene	--	0.02 U	0.0078 U	0.019 U	0.01 U
trans-1,2-Dichloroethene	--	0.02 U	0.0078 U	0.019 U	0.01 U
1,2-Dichloropropane	1,100	0.02 U	0.0078 U	0.019 U	0.01 U
cis-1,3-Dichloropropene	1,400	0.02 U	0.0078 U	0.019 U	0.01 U
trans-1,3-Dichloropropene	1,400	0.02 U	0.0078 U	0.019 U	0.01 U
Ethylbenzene	400	0.02 U	0.0078 U	0.11	0.01 U
2-Hexanone	--	0.039 U	0.016 U	0.037 U	0.02 U
4-Methyl-2-Pentanone	--	0.039 U	0.016 U	0.037 U	0.02 U
Methylene Chloride	2,400	0.039 U	0.016 U	0.037 U	0.02 U
Styrene	1,500	0.02 U	0.0078 U	0.019 U	0.01 U
1,1,2,2-Tetrachloroethane	--	0.02 U	0.0078 U	0.019 U	0.01 U
Tetrachloroethene	240	0.02 U	0.0078 U	0.019 U	0.01 U
Toluene	650	0.02 U	0.0078 U	0.028	0.01 U
1,1,1-Trichloroethane	1,200	0.02 U	0.0078 U	0.019 U	0.01 U
1,1,2-Trichloroethane	1,800	0.02 U	0.0078 U	0.019 U	0.01 U
Trichloroethene	1,300	0.02 U	0.0078 U	0.019 U	0.01 U
Vinyl Chloride	1,200	0.02 U	0.0078 U	0.019 U	0.01 U
m,p-Xylene	420	0.02 U	0.0078 U	0.065	0.01 U
o-Xylene	410	0.02 U	0.0078 U	0.044	0.01 U
Subtotal:		1.0	0.4	1.0	0.5

Notes:
(1) U - Indicates compound/analyte was analyzed for but not detected, the associated value is the sample reporting limit.
(2) WT ~ NE - Water Table Not Encountered.
(3) -- Soil saturation limits not available.

Table 3 (Continued)
Potential Source Material Calculations for Soil Attenuation Capacity and Soil Saturation
A Portion of Willow Street Station

Compound/Analyte	C_{sat} (mg/kg)	Sample Location and Depth (feet below ground surface)/Concentration			
		SP07-002 7-8	SP07-003 9-11	SP08-001 2-3	SP08-002 6-7
		WT ~ NE	WT ~ NE	WT ~ NE	WT ~ NE
TCL Semivolatiles (mg/kg)					
Bis(2-chloroethoxy)methane	--	0.43 U	0.4 U	20 U	0.45 U
Bis(2-chloroethyl)ether	3,300	0.43 U	0.4 U	20 U	0.45 U
Bis(2-ethylhexyl)phthalate	31,000	0.43 U	0.4 U	20 U	0.45 U
4-Bromophenyl phenyl ether	--	0.43 U	0.4 U	20 U	0.45 U
Butyl benzyl phthalate	930	0.43 U	0.4 U	20 U	0.45 U
Carbazole	--	0.48	0.4 U	20 U	0.45 U
4-Chloro-3-methylphenol	--	0.43 U	0.4 U	20 U	0.45 U
4-Chloroaniline	--	0.43 U	0.4 U	20 U	0.45 U
2-Chloronaphthalene	--	0.43 U	0.4 U	20 U	0.45 U
2-Chlorophenol	53,000	0.43 U	0.4 U	20 U	0.45 U
4-Chlorophenyl phenyl ether	--	0.43 U	0.4 U	20 U	0.45 U
Dibenzofuran	--	0.43 U	0.4 U	20 U	0.45 U
1,2-Dichlorobenzene	560	0.43 U	0.4 U	20 U	0.45 U
1,3-Dichlorobenzene	--	0.43 U	0.4 U	20 U	0.45 U
1,4-Dichlorobenzene	--	0.43 U	0.4 U	20 U	0.45 U
3,3´-Dichlorobenzidine	--	0.87 U	0.8 U	40 U	0.9 U
2,4-Dichlorophenol	--	0.43 U	0.4 U	20 U	0.45 U
Diethyl phthalate	2,000	0.43 U	0.4 U	20 U	0.45 U
Dimethyl phthalate	--	0.43 U	0.4 U	20 U	0.45 U
Di-n-butyl phthalate	2,300	0.43 U	0.4 U	20 U	0.45 U
2,4-Dimethylphenol	--	0.43 U	0.4 U	20 U	0.45 U
4,6-Dinitro-2-methylphenol	--	2.1 U	1.9 U	98 U	2.2 U
2,4-Dinitrophenol	--	2.1 U	1.9 U	98 U	2.2 U
2,4-Dinitrotoluene	--	0.33 U	0.3 U	15 U	0.34 U
2,6-Dinitrotoluene	--	0.33 U	0.3 U	15 U	0.34 U
Di-n-octyl phthalate	10,000	0.43 U	0.4 U	20 U	0.45 U
Hexachlorobenzene	--	0.43 U	0.4 U	20 U	0.45 U
Hexachlorobutadiene	--	0.43 U	0.4 U	20 U	0.45 U
Hexachlorocyclopentadiene	2,200	0.43 U	0.4 U	20 U	0.45 U
Hexachloroethane	--	0.43 U	0.4 U	20 U	0.45 U
Isophorone	4,600	0.43 U	0.4 U	20 U	0.45 U
2-Methylnaphthalene	--	0.43 U	0.4 U	20 U	0.45 U
2-Methylphenol	--	0.43 U	0.4 U	20 U	0.45 U
4-Methylphenol	--	0.43 U	0.4 U	20 U	0.45 U
2-Nitroaniline	--	2.1 U	1.9 U	98 U	2.2 U
3-Nitroaniline	--	2.1 U	1.9 U	98 U	2.2 U
4-Nitroaniline	--	2.1 U	1.9 U	98 U	2.2 U
Nitrobenzene	1,000	0.43 U	0.4 U	20 U	0.45 U
2-Nitrophenol	--	2.1 U	1.9 U	98 U	2.2 U
4-Nitrophenol	--	2.1 U	1.9 U	98 U	2.2 U
N-Nitrosodi-n-propylamine	--	0.43 U	0.4 U	20 U	0.45 U
N-Nitrosodiphenylamine	--	0.43 U	0.4 U	20 U	0.45 U
2, 2'-oxybis(1-Chloropropane)	--	0.43 U	0.4 U	20 U	0.45 U
Pentachlorophenol	--	2.1 U	1.9 U	98 U	2.2 U
Phenol	--	0.43 U	0.4 U	20 U	0.45 U
1,2,4-Trichlorobenzene	3,200	0.43 U	0.4 U	20 U	0.45 U
2,4,5-Trichlorophenol	--	0.87 U	0.8 U	40 U	0.9 U
2,4,6-Trichlorophenol	--	0.43 U	0.4 U	20 U	0.45 U
Subtotal:		34.7	31.8	1,614.0	36.3

Notes:
(1) U - Indicates compound/analyte was analyzed for but not detected, the associated value is the sample reporting limit.
(2) WT ~ NE - Water Table Not Encountered.
(3) -- Soil saturation limits not available.

Table 3 (Continued)
Potential Source Material Calculations for Soil Attenuation Capacity and Soil Saturation
A Portion of Willow Street Station

Compound/Analyte	C_{sat} (mg/kg)	Sample Location and Depth (feet below ground surface)/Concentration			
		SP07-002 7-8	SP07-003 9-11	SP08-001 2-3	SP08-002 6-7
		WT ~ NE	WT ~ NE	WT ~ NE	WT ~ NE
PAHs (mg/kg)					
Acenaphthene	--	0.2	0.03 U	1.5 U	0.034 U
Acenaphthylene	--	0.073	0.03 U	45	0.034 U
Anthracene	--	1.5	0.03 U	13	0.034
Benzo(a)anthracene	--	4.3	0.03 U	85	0.1
Benzo(a)pyrene	--	3.8	0.03 U	43	0.11
Benzo(b)fluoranthene	--	3.7	0.03 U	140	0.11
Benzo(g,h,i)perylene	--	0.9	0.03 U	64	0.051
Benzo(k)fluoranthene	--	3.4	0.03 U	110	0.1
Chrysene	--	4.3	0.03 U	140	0.12
Dibenzo(a,h)anthracene	--	0.42	0.03 U	31	0.034 U
Fluoranthene	--	11	0.03 U	43	0.082
Fluorene	--	0.21	0.03 U	8.9	0.034 U
Indeno(1,2,3-cd)pyrene	--	1	0.03 U	57	0.05
Naphthalene	--	0.033 U	0.03 U	1.9	0.11
Phenanthrene	--	2.8	0.03 U	3.7	0.074
Pyrene	--	9.4	0.03 U	82	0.18
PCBs (mg/kg)					
Aroclor 1016	--	0.1 U	0.095 U	1.1 U	0.11 U
Aroclor 1221	--	0.1 U	0.095 U	1.1 U	0.11 U
Aroclor 1232	--	0.1 U	0.095 U	1.1 U	0.11 U
Aroclor 1242	--	0.1 U	0.095 U	1.1 U	0.11 U
Aroclor 1248	--	0.1 U	0.095 U	1.1 U	0.11 U
Aroclor 1254	--	0.21 U	0.19 U	2.2 U	0.23 U
Aroclor 1260	--	0.21 U	0.19 U	2.2 U	0.23 U
Subtotal:		48.0	1.3	878.9	2.3
Total Organic Content:		84	33	2494	39

Notes:
(1) U - Indicates compound/analyte was analyzed for but not detected, the associated value is the sample reporting limit.
(2) WT ~ NE - Water Table Not Encountered.
(3) -- Soil saturation limits not available.

Table 3 (Continued)
Potential Source Material Calculations for Soil Attenuation Capacity and Soil Saturation
A Portion of Willow Street Station

Compound/Analyte	C_{sat} (mg/kg)	Sample Location and Depth (feet below ground surface)/Concentration			
		SP09-001 2-3	SP09-002 6-7	SP10-001 1-2	SP10-002 7-8
		WT ~ NE	WT ~ NE	WT ~ NE	WT ~ NE
TCL Volatiles (mg/kg)					
Acetone	10,000	0.028 U	0.04 U	0.076	0.066
Benzene	870	0.0057 U	0.008 U	0.0088 U	0.0082 U
Bromodichloromethane	3,000	0.0057 U	0.008 U	0.0088 U	0.0082 U
Bromoform	1,900	0.0057 U	0.008 U	0.0088 U	0.0082 U
Bromomethane	3,200	0.011 U	0.016 U	0.018 U	0.016 U
2-Butanone	--	0.011 U	0.016 U	0.028	0.023
Carbon Disulfide	720	0.0057 U	0.008 U	0.0088 U	0.0082 U
Carbon Tetrachloride	1,100	0.0057 U	0.008 U	0.0088 U	0.0082 U
Chlorobenzene	680	0.0057 U	0.008 U	0.0088 U	0.0082 U
Chloroethane	--	0.011 U	0.016 U	0.018 U	0.016 U
Chloroform	2,900	0.0057 U	0.008 U	0.0088 U	0.0082 U
Chloromethane	--	0.0057 U	0.008 U	0.0088 U	0.0082 U
Dibromochloromethane	1,300	0.0057 U	0.008 U	0.0088 U	0.0082 U
1,1-Dichloroethane	1,700	0.0057 U	0.008 U	0.0088 U	0.0082 U
1,2-Dichloroethane	1,800	0.0057 U	0.008 U	0.0088 U	0.0082 U
1,1-Dichloroethene	1,500	0.0057 U	0.008 U	0.0088 U	0.0082 U
cis-1,2-Dichloroethene	--	0.0057 U	0.008 U	0.0088 U	0.0082 U
trans-1,2-Dichloroethene	--	0.0057 U	0.008 U	0.0088 U	0.0082 U
1,2-Dichloropropane	1,100	0.0057 U	0.008 U	0.0088 U	0.0082 U
cis-1,3-Dichloropropene	1,400	0.0057 U	0.008 U	0.0088 U	0.0082 U
trans-1,3-Dichloropropene	1,400	0.0057 U	0.008 U	0.0088 U	0.0082 U
Ethylbenzene	400	0.0057 U	0.008 U	0.0088 U	0.0082 U
2-Hexanone	--	0.011 U	0.016 U	0.018 U	0.016 U
4-Methyl-2-Pentanone	--	0.011 U	0.016 U	0.018 U	0.016 U
Methylene Chloride	2,400	0.011 U	0.016 U	0.018 U	0.016 U
Styrene	1,500	0.0057 U	0.008 U	0.0088 U	0.0082 U
1,1,2,2-Tetrachloroethane	--	0.0057 U	0.008 U	0.0088 U	0.0082 U
Tetrachloroethene	240	0.0057 U	0.008 U	0.0088 U	0.0082 U
Toluene	650	0.0057 U	0.008 U	0.0088 U	0.0082 U
1,1,1-Trichloroethane	1,200	0.0057 U	0.008 U	0.0088 U	0.0082 U
1,1,2-Trichloroethane	1,800	0.0057 U	0.008 U	0.0088 U	0.0082 U
Trichloroethene	1,300	0.0057 U	0.008 U	0.0088 U	0.0082 U
Vinyl Chloride	1,200	0.0057 U	0.008 U	0.0088 U	0.0082 U
m,p-Xylene	420	0.0057 U	0.008 U	0.0088 U	0.0082 U
o-Xylene	410	0.0057 U	0.008 U	0.0088 U	0.0082 U
Subtotal:		0.3	0.4	0.4	0.4

Notes:
(1) U - Indicates compound/analyte was analyzed for but not detected, the associated value is the sample reporting limit.
(2) WT ~ NE - Water Table Not Encountered.
(3) -- Soil saturation limits not available.

Table 3 (Continued)
Potential Source Material Calculations for Soil Attenuation Capacity and Soil Saturation
A Portion of Willow Street Station

Compound/Analyte	C_{sat} (mg/kg)	Sample Location and Depth (feet below ground surface)/Concentration			
		SP09-001 2-3	SP09-002 6-7	SP10-001 1-2	SP10-002 7-8
		WT ~ NE	WT ~ NE	WT ~ NE	WT ~ NE
TCL Semivolatiles (mg/kg)					
Bis(2-chloroethoxy)methane	--	3.8 U	0.42 U	0.38 U	0.38 U
Bis(2-chloroethyl)ether	3,300	3.8 U	0.42 U	0.38 U	0.38 U
Bis(2-ethylhexyl)phthalate	31,000	3.8 U	0.42 U	0.38 U	0.38 U
4-Bromophenyl phenyl ether	--	3.8 U	0.42 U	0.38 U	0.38 U
Butyl benzyl phthalate	930	3.8 U	0.42 U	0.38 U	0.38 U
Carbazole	--	5.5	0.42 U	0.75	0.38 U
4-Chloro-3-methylphenol	--	3.8 U	0.42 U	0.38 U	0.38 U
4-Chloroaniline	--	3.8 U	0.42 U	0.38 U	0.38 U
2-Chloronaphthalene	--	3.8 U	0.42 U	0.38 U	0.38 U
2-Chlorophenol	53,000	3.8 U	0.42 U	0.38 U	0.38 U
4-Chlorophenyl phenyl ether	--	3.8 U	0.42 U	0.38 U	0.38 U
Dibenzofuran	--	3.8 U	0.42 U	0.38 U	0.38 U
1,2-Dichlorobenzene	560	3.8 U	0.42 U	0.38 U	0.38 U
1,3-Dichlorobenzene	--	3.8 U	0.42 U	0.38 U	0.38 U
1,4-Dichlorobenzene	--	3.8 U	0.42 U	0.38 U	0.38 U
3,3´-Dichlorobenzidine	--	7.7 U	0.84 U	0.76 U	0.76 U
2,4-Dichlorophenol	--	3.8 U	0.42 U	0.38 U	0.38 U
Diethyl phthalate	2,000	3.8 U	0.42 U	0.38 U	0.38 U
Dimethyl phthalate	--	3.8 U	0.42 U	0.38 U	0.38 U
Di-n-butyl phthalate	2,300	3.8 U	0.42 U	0.38 U	0.38 U
2,4-Dimethylphenol	--	3.8 U	0.42 U	0.38 U	0.38 U
4,6-Dinitro-2-methylphenol	--	19 U	2 U	1.8 U	1.8 U
2,4-Dinitrophenol	--	19 U	2 U	1.8 U	1.8 U
2,4-Dinitrotoluene	--	2.9 U	0.32 U	0.29 U	0.29 U
2,6-Dinitrotoluene	--	2.9 U	0.32 U	0.29 U	0.29 U
Di-n-octyl phthalate	10,000	3.8 U	0.42 U	0.38 U	0.38 U
Hexachlorobenzene	--	3.8 U	0.42 U	0.38 U	0.38 U
Hexachlorobutadiene	--	3.8 U	0.42 U	0.38 U	0.38 U
Hexachlorocyclopentadiene	2,200	3.8 U	0.42 U	0.38 U	0.38 U
Hexachloroethane	--	3.8 U	0.42 U	0.38 U	0.38 U
Isophorone	4,600	3.8 U	0.42 U	0.38 U	0.38 U
2-Methylnaphthalene	--	3.8 U	0.42 U	0.38 U	0.38 U
2-Methylphenol	--	3.8 U	0.42 U	0.38 U	0.38 U
4-Methylphenol	--	3.8 U	0.42 U	0.38 U	0.38 U
2-Nitroaniline	--	19 U	2 U	1.8 U	1.8 U
3-Nitroaniline	--	19 U	2 U	1.8 U	1.8 U
4-Nitroaniline	--	19 U	2 U	1.8 U	1.8 U
Nitrobenzene	1,000	3.8 U	0.42 U	0.38 U	0.38 U
2-Nitrophenol	--	19 U	2 U	1.8 U	1.8 U
4-Nitrophenol	--	19 U	2 U	1.8 U	1.8 U
N-Nitrosodi-n-propylamine	--	3.8 U	0.42 U	0.38 U	0.38 U
N-Nitrosodiphenylamine	--	3.8 U	0.42 U	0.38 U	0.38 U
2, 2'-oxybis(1-Chloropropane)	--	3.8 U	0.42 U	0.38 U	0.38 U
Pentachlorophenol	--	19 U	2 U	1.8 U	1.8 U
Phenol	--	3.8 U	0.42 U	0.38 U	0.38 U
1,2,4-Trichlorobenzene	3,200	3.8 U	0.42 U	0.38 U	0.38 U
2,4,5-Trichlorophenol	--	7.7 U	0.84 U	0.76 U	0.76 U
2,4,6-Trichlorophenol	--	3.8 U	0.42 U	0.38 U	0.38 U
Subtotal:		311.7	33.4	30.6	30.2

Notes:
(1) U - Indicates compound/analyte was analyzed for but not detected, the associated value is the sample reporting limit.
(2) WT ~ NE - Water Table Not Encountered.
(3) -- Soil saturation limits not available.

Table 3 (Continued)
Potential Source Material Calculations for Soil Attenuation Capacity and Soil Saturation
A Portion of Willow Street Station

Compound/Analyte	C_{sat} (mg/kg)	Sample Location and Depth (feet below ground surface)/Concentration			
		SP09-001 2-3	SP09-002 6-7	SP10-001 1-2	SP10-002 7-8
		WT ~ NE	WT ~ NE	WT ~ NE	WT ~ NE
PAHs (mg/kg)					
Acenaphthene	--	3	0.11	0.16	0.029 U
Acenaphthylene	--	2.3	0.032 U	0.082	0.029 U
Anthracene	--	13	0.032 U	0.85	0.029 U
Benzo(a)anthracene	--	36	0.032 U	2.3	0.07
Benzo(a)pyrene	--	37	0.034	2.2	0.14
Benzo(b)fluoranthene	--	37	0.032 U	2.7	0.09
Benzo(g,h,i)perylene	--	18	0.032 U	1.7	0.1
Benzo(k)fluoranthene	--	28	0.032 U	2.1	0.081
Chrysene	--	35	0.032 U	2.5	0.082
Dibenzo(a,h)anthracene	--	7.7	0.032 U	0.81	0.029 U
Fluoranthene	--	52	0.037	4.6	0.096
Fluorene	--	2.9	0.07	0.23	0.029 U
Indeno(1,2,3-cd)pyrene	--	18	0.032 U	1.5	0.065
Naphthalene	--	0.41	0.11	0.36	0.029 U
Phenanthrene	--	29	0.066	2.9	0.029 U
Pyrene	--	47	0.051	3.7	0.17
PCBs (mg/kg)					
Aroclor 1016	--	0.92 U	0.1 U	0.091 U	0.096 U
Aroclor 1221	--	0.92 U	0.1 U	0.091 U	0.096 U
Aroclor 1232	--	0.92 U	0.1 U	0.091 U	0.096 U
Aroclor 1242	--	0.92 U	0.1 U	0.091 U	0.096 U
Aroclor 1248	--	0.92 U	0.1 U	0.091 U	0.096 U
Aroclor 1254	--	1.8 U	0.2 U	0.18 U	0.19 U
Aroclor 1260	--	1.8 U	0.2 U	0.18 U	0.19 U
Subtotal:		374.5	1.7	29.5	2.0
Total Organic Content:		686	35	60	33

Notes:
(1) U - Indicates compound/analyte was analyzed for but not detected, the associated value is the sample reporting limit.
(2) WT ~ NE - Water Table Not Encountered.
(3) -- Soil saturation limits not available.

Table 3 (Continued)
Potential Source Material Calculations for Soil Attenuation Capacity and Soil Saturation
A Portion of Willow Street Station

Compound/Analyte	C_{sat} (mg/kg)	Sample Location and Depth (feet below ground surface)/Concentration				
		SP11-001 2-3	SP11-002 9-10	SP11-003 15-16	SP12-001 1-3	SP12-002 7-8
		WT ~ NE	WT ~ NE	WT ~ NE	WT ~ NE	WT ~ NE
TCL Volatiles (mg/kg)						
Acetone	10,000	0.03 U	0.037 U	0.03 U	0.042 U	0.12
Benzene	870	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.12
Bromodichloromethane	3,000	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.017 U
Bromoform	1,900	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.017 U
Bromomethane	3,200	0.012 U	0.015 U	0.012 U	0.017 U	0.034 U
2-Butanone	--	0.012 U	0.015 U	0.012 U	0.017 U	0.039
Carbon Disulfide	720	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.017 U
Carbon Tetrachloride	1,100	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.017 U
Chlorobenzene	680	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.017 U
Chloroethane	--	0.012 U	0.015 U	0.012 U	0.017 U	0.034 U
Chloroform	2,900	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.017 U
Chloromethane	--	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.017 U
Dibromochloromethane	1,300	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.017 U
1,1-Dichloroethane	1,700	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.017 U
1,2-Dichloroethane	1,800	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.017 U
1,1-Dichloroethene	1,500	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.017 U
cis-1,2-Dichloroethene	--	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.017 U
trans-1,2-Dichloroethene	--	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.017 U
1,2-Dichloropropane	1,100	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.017 U
cis-1,3-Dichloropropene	1,400	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.017 U
trans-1,3-Dichloropropene	1,400	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.017 U
Ethylbenzene	400	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.25
2-Hexanone	--	0.012 U	0.015 U	0.012 U	0.017 U	0.034 U
4-Methyl-2-Pentanone	--	0.012 U	0.015 U	0.012 U	0.017 U	0.034 U
Methylene Chloride	2,400	0.012 U	0.015 U	0.012 U	0.017 U	0.034 U
Styrene	1,500	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.017 U
1,1,2,2-Tetrachloroethane	--	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.017 U
Tetrachloroethene	240	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.017 U
Toluene	650	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.075
1,1,1-Trichloroethane	1,200	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.017 U
1,1,2-Trichloroethane	1,800	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.017 U
Trichloroethene	1,300	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.017 U
Vinyl Chloride	1,200	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.017 U
m,p-Xylene	420	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.086
o-Xylene	410	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.047
Subtotal:		0.3	0.3	0.3	0.4	1.3

Notes:
(1) U - Indicates compound/analyte was analyzed for but not detected, the associated value is the sample reporting limit.
(2) WT ~ NE - Water Table Not Encountered.
(3) -- Soil saturation limits not available.

Table 3 (Continued)
Potential Source Material Calculations for Soil Attenuation Capacity and Soil Saturation
A Portion of Willow Street Station

Compound/Analyte	C_{sat} (mg/kg)	Sample Location and Depth (feet below ground surface)/Concentration				
		SP11-001 2-3	SP11-002 9-10	SP11-003 15-16	SP12-001 1-3	SP12-002 7-8
		WT ~ NE	WT ~ NE	WT ~ NE	WT ~ NE	WT ~ NE
TCL Semivolatiles (mg/kg)						
Bis(2-chloroethoxy)methane	--	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
Bis(2-chloroethyl)ether	3,300	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
Bis(2-ethylhexyl)phthalate	31,000	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
4-Bromophenyl phenyl ether	--	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
Butyl benzyl phthalate	930	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
Carbazole	--	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
4-Chloro-3-methylphenol	--	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
4-Chloroaniline	--	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
2-Chloronaphthalene	--	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
2-Chlorophenol	53,000	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
4-Chlorophenyl phenyl ether	--	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
Dibenzofuran	--	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
1,2-Dichlorobenzene	560	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
1,3-Dichlorobenzene	--	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
1,4-Dichlorobenzene	--	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
3,3´-Dichlorobenzidine	--	0.77 U	0.77 U	0.75 U	0.78 U	0.8 U
2,4-Dichlorophenol	--	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
Diethyl phthalate	2,000	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
Dimethyl phthalate	--	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
Di-n-butyl phthalate	2,300	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
2,4-Dimethylphenol	--	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
4,6-Dinitro-2-methylphenol	--	1.9 U	1.9 U	1.8 U	1.9 U	1.9 U
2,4-Dinitrophenol	--	1.9 U	1.9 U	1.8 U	1.9 U	1.9 U
2,4-Dinitrotoluene	--	0.29 U	0.29 U	0.28 U	0.3 U	0.3 U
2,6-Dinitrotoluene	--	0.29 U	0.29 U	0.28 U	0.3 U	0.3 U
Di-n-octyl phthalate	10,000	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
Hexachlorobenzene	--	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
Hexachlorobutadiene	--	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
Hexachlorocyclopentadiene	2,200	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
Hexachloroethane	--	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
Isophorone	4,600	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
2-Methylnaphthalene	--	0.39 U	0.38 U	0.37 U	0.45	0.4 U
2-Methylphenol	--	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
4-Methylphenol	--	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
2-Nitroaniline	--	1.9 U	1.9 U	1.8 U	1.9 U	1.9 U
3-Nitroaniline	--	1.9 U	1.9 U	1.8 U	1.9 U	1.9 U
4-Nitroaniline	--	1.9 U	1.9 U	1.8 U	1.9 U	1.9 U
Nitrobenzene	1,000	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
2-Nitrophenol	--	1.9 U	1.9 U	1.8 U	1.9 U	1.9 U
4-Nitrophenol	--	1.9 U	1.9 U	1.8 U	1.9 U	1.9 U
N-Nitrosodi-n-propylamine	--	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
N-Nitrosodiphenylamine	--	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
2, 2'-oxybis(1-Chloropropane)	--	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
Pentachlorophenol	--	1.9 U	1.9 U	1.8 U	1.9 U	1.9 U
Phenol	--	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
1,2,4-Trichlorobenzene	3,200	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
2,4,5-Trichlorophenol	--	0.77 U	0.77 U	0.75 U	0.78 U	0.8 U
2,4,6-Trichlorophenol	--	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
Subtotal:		31.4	31.0	29.8	31.5	31.8

Notes:
(1) U - Indicates compound/analyte was analyzed for but not detected, the associated value is the sample reporting limit.
(2) WT ~ NE - Water Table Not Encountered.
(3) -- Soil saturation limits not available.

Table 3 (Continued)
Potential Source Material Calculations for Soil Attenuation Capacity and Soil Saturation
A Portion of Willow Street Station

Compound/Analyte	C_{sat} (mg/kg)	Sample Location and Depth (feet below ground surface)/Concentration				
		SP11-001 2-3	SP11-002 9-10	SP11-003 15-16	SP12-001 1-3	SP12-002 7-8
		WT ~ NE	WT ~ NE	WT ~ NE	WT ~ NE	WT ~ NE
PAHs (mg/kg)						
Acenaphthene	--	0.029 U	0.029 U	0.028 U	0.03 U	0.099
Acenaphthylene	--	0.094	0.029 U	0.028 U	0.072	0.067
Anthracene	--	0.42	0.029 U	0.028 U	0.12	0.16
Benzo(a)anthracene	--	0.55	0.029 U	0.028 U	0.54	0.24
Benzo(a)pyrene	--	0.44	0.029 U	0.028 U	0.61	0.33
Benzo(b)fluoranthene	--	0.56	0.029 U	0.028 U	0.55	0.32
Benzo(g,h,i)perylene	--	0.43	0.029 U	0.028 U	0.46	0.11
Benzo(k)fluoranthene	--	0.4	0.029 U	0.028 U	0.45	0.26
Chrysene	--	0.57	0.029 U	0.028 U	0.58	0.48
Dibenzo(a,h)anthracene	--	0.088	0.029 U	0.028 U	0.067	0.04
Fluoranthene	--	0.82	0.029 U	0.028 U	0.85	0.87
Fluorene	--	0.029 U	0.029 U	0.028 U	0.03 U	0.091
Indeno(1,2,3-cd)pyrene	--	0.36	0.029 U	0.028 U	0.4	0.098
Naphthalene	--	0.034	0.029 U	0.037	0.24	0.13
Phenanthrene	--	0.39	0.029 U	0.043	0.53	0.41
Pyrene	--	0.73	0.029 U	0.028 U	0.91	1
PCBs (mg/kg)						
Aroclor 1016	--	0.093 U	0.093 U	0.092 U	0.095 U	0.098 U
Aroclor 1221	--	0.093 U	0.093 U	0.092 U	0.095 U	0.098 U
Aroclor 1232	--	0.093 U	0.093 U	0.092 U	0.095 U	0.098 U
Aroclor 1242	--	0.093 U	0.093 U	0.092 U	0.095 U	0.098 U
Aroclor 1248	--	0.093 U	0.093 U	0.092 U	0.095 U	0.098 U
Aroclor 1254	--	0.19 U	0.19 U	0.18 U	0.19 U	0.2 U
Aroclor 1260	--	0.19 U	0.19 U	0.18 U	0.19 U	0.2 U
Subtotal:		6.8	1.3	1.3	7.3	5.6
Total Organic Content:		38	33	31	39	39

Notes:
(1) U - Indicates compound/analyte was analyzed for but not detected, the associated value is the sample reporting limit.
(2) WT ~ NE - Water Table Not Encountered.
(3) -- Soil saturation limits not available.

Table 3 (Continued)
Potential Source Material Calculations for Soil Attenuation Capacity and Soil Saturation
November 2000 Site Investigation
A Portion of Willow Street Station

Compound/Analyte	C_{sat} (mg/kg)	Sample Location and Depth (feet below ground surface)/Concentration				
		SB-01 9-10	SB-02 4-6	SB-02 8-10	SB-03 9-11	SB-04 1-3
BTEX (mg/kg)						
Benzene	870	0.099	0.010	0.002 U	0.002 U	0.003
Ethylbenzene	400	0.005 U	0.005	0.005 U	0.005 U	0.005 U
Toluene	650	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Xylenes (total)	320	0.005 U	0.006	0.005 U	0.005 U	0.005 U
Phenols (mg/kg)						
2,4-Dimethylphenol	--	0.330 U	0.330 U	0.330 U	0.330 U	0.330 U
2-Methylphenol	--	0.330 U	0.330 U	0.330 U	0.330 U	0.330 U
4-Methylphenol	--	0.330 U	0.330 U	0.330 U	0.330 U	0.330 U
Phenol	--	0.330 U	0.330 U	0.330 U	0.330 U	0.330 U
PAHs (mg/kg)						
Acenaphthene	--	0.025 U	0.025 U	0.025 U	0.025 U	0.099
Acenaphthylene	--	0.025 U	0.025 U	0.031	0.025 U	0.357
Anthracene	--	0.025 U	0.025 U	0.025 U	0.025 U	0.239
Benzo(a)anthracene	--	0.025 U	0.028	0.097	0.025 U	0.794
Benzo(b)fluoranthene	--	0.025 U	0.031	0.096	0.025 U	0.904
Benzo(k)fluoranthene	--	0.025 U	0.025 U	0.053	0.025 U	0.723
Benzo(g,h,i)perylene	--	0.025 U	0.029	0.046	0.025 U	0.483
Benzo(a)pyrene	--	0.025 U	0.025 U	0.070	0.025 U	0.982
Chrysene	--	0.025 U	0.038	0.115	0.025 U	0.945
Dibenzo(a,h)anthracene	--	0.025 U	0.025 U	0.025 U	0.025 U	0.267
Fluoranthene	--	0.025 U	0.025 U	0.122	0.025 U	1.17
Fluorene	--	0.025 U	0.025 U	0.025 U	0.025 U	0.088
Naphthalene	--	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Phenanthrene	--	0.025 U	0.025 U	0.047	0.025 U	0.679
Pyrene	--	0.025 U	0.033	0.208	0.025 U	1.23
Dibenzofuran	--	0.025 U	0.025 U	0.025 U	0.025 U	0.054
2-Methylnaphthalene	--	0.025 U	0.025 U	0.025 U	0.025 U	0.029
Total Organic Content:		1.9	1.8	2.4	1.8	10.4

Notes:
(1) U - Indicates compound/analyte was analyzed for but not detected, the associated value is the sample reporting limit.
(2) -- Soil saturation limits not available.

Table 3 (Continued)
Potential Source Material Calculations for Soil Attenuation Capacity and Soil Saturation
November 2000 Site Investigation
A Portion of Willow Street Station

Compound/Analyte	C_{sat} (mg/kg)	Sample Location and Depth (feet below ground surface)/Concentration				
		SB-04 7-9	SB-05 1-3	SB-05 7-9	SB-06 1-3	SB-06 7-9
BTEX (mg/kg)						
Benzene	870	0.002 U	0.004	3.80	0.009	2.80
Ethylbenzene	400	0.005 U	0.005 U	0.126	0.005	3.98
Toluene	650	0.005 U	0.005 U	0.015	0.005 U	0.045
Xylenes (total)	320	0.005 U	0.005 U	0.333	0.005 U	0.670
Phenols (mg/kg)						
2,4-Dimethylphenol	--	0.330 U	0.330 U	0.330 U	0.330 U	0.330 U
2-Methylphenol	--	0.330 U	0.330 U	0.330 U	0.330 U	0.330 U
4-Methylphenol	--	0.330 U	0.330 U	0.330 U	0.330 U	0.330 U
Phenol	--	0.330 U	0.330 U	0.330 U	0.330 U	0.330 U
PAHs (mg/kg)						
Acenaphthene	--	0.356	0.088	2.56	0.116	1.48
Acenaphthylene	--	2.11	1.05	0.979	0.295	0.829
Anthracene	--	1.95	0.516	4.03	0.271	2.56
Benzo(a)anthracene	--	4.71	2.69	5.06	1.24	2.46
Benzo(b)fluoranthene	--	3.41	3.23	3.24	0.341	1.50
Benzo(k)fluoranthene	--	2.38	2.05	2.85	0.410	1.57
Benzo(g,h,i)perylene	--	1.93	2.36	3.11	0.606	1.57
Benzo(a)pyrene	--	4.53	4.13	5.60	0.433	2.75
Chrysene	--	5.35	2.87	4.68	1.45	2.62
Dibenzo(a,h)anthracene	--	0.931	0.317	0.469	0.328	0.328
Fluoranthene	--	6.89	4.67	11.9	1.89	4.64
Fluorene	--	0.705	0.172	2.42	0.033	1.28
Naphthalene	--	0.127	0.122	6.74	0.368	25.7
Phenanthrene	--	3.48	1.59	15.9	1.24	7.21
Pyrene	--	10.3	6.63	15.7	2.24	6.41
Dibenzofuran	--	0.249	0.054	0.105	0.113	0.063
2-Methylnaphthalene	--	0.041	0.068	0.291	0.217	1.81
Total Organic Content:		50.8	33.9	91.2	12.9	73.6

Notes:
(1) U - Indicates compound/analyte was analyzed for but not detected, the associated value is the sample reporting limit.
(2) -- Soil saturation limits not available.

Table 3 (Continued)
Potential Source Material Calculations for Soil Attenuation Capacity and Soil Saturation
November 2000 Site Investigation
A Portion of Willow Street Station

Compound/Analyte	C_{sat} (mg/kg)	Sample Location and Depth (feet below ground surface)/Concentration			
		SB-07 3-5	SB-07 8-9	SB-08 1-3	SB-08 7-8
BTEX (mg/kg)					
Benzene	870	0.006	0.061	0.007	0.002 U
Ethylbenzene	400	0.005 U	0.022	0.005 U	0.005 U
Toluene	650	0.005 U	0.045	0.005 U	0.005 U
Xylenes (total)	320	0.005 U	0.135	0.005 U	0.005 U
Phenols (mg/kg)					
2,4-Dimethylphenol	--	0.330 U	0.330 U	0.330 U	0.330 U
2-Methylphenol	--	0.330 U	0.330 U	0.330 U	0.330 U
4-Methylphenol	--	0.330 U	0.330 U	0.330 U	0.330 U
Phenol	--	0.330 U	0.330 U	0.330 U	0.330 U
PAHs (mg/kg)					
Acenaphthene	--	0.027	0.321	0.138	0.025 U
Acenaphthylene	--	0.589	0.459	1.66	0.049
Anthracene	--	0.166	0.742	0.336	0.025 U
Benzo(a)anthracene	--	0.816	2.02	1.35	0.082
Benzo(b)fluoranthene	--	0.411	0.414	1.07	0.025 U
Benzo(k)fluoranthene	--	0.331	0.744	0.882	0.037
Benzo(g,h,i)perylene	--	0.266	0.469	0.963	0.029
Benzo(a)pyrene	--	0.445	1.86	0.621	0.035
Chrysene	--	0.853	1.93	1.77	0.097
Dibenzo(a,h)anthracene	--	0.161	0.256	0.482	0.025 U
Fluoranthene	--	0.560	2.93	1.00	0.047
Fluorene	--	0.161	0.775	0.148	0.025 U
Naphthalene	--	0.069	0.570	1.40	0.025 U
Phenanthrene	--	0.194	2.34	0.310	0.025 U
Pyrene	--	0.955	4.12	1.68	0.080
Dibenzofuran	--	0.048	0.089	0.144	0.025 U
2-Methylnaphthalene	--	0.090	0.139	0.253	0.025 U
Total Organic Content:		7.5	21.8	15.5	2.0

Notes:
(1) U - Indicates compound/analyte was analyzed for but not detected, the associated value is the sample reporting limit.
(2) -- Soil saturation limits not available.

Table 4
Potential Source Material Toxicity Characteristics
A Portion of Willow Street Station

Compound/Analyte	Maximum Concentration (mg/l)	Sample Location and Depth (feet below ground surface)/Concentration
		SP10-001
		1-2
		WT ~ NE
TCLP Metals (mg/l)		
Lead	5	0.25

Note:
(1) WT ~ NE - Water Table Not Encountered

Table 5
Tier 1 Screening: Soil Ingestion Exposure Route
Industrial/Commercial Worker
A Portion of Willow Street Station

Compound/Analyte	Tier 1 Screening Level (mg/kg)	Sample Location and Depth (feet below ground surface)/Concentration			
		SP05-001 2-3	SP06B-001 1-3	SP07-001 2-3	SP08-001 2-3
		WT ~ NE	WT ~ NE	WT ~ NE	WT ~ NE
TCL Volatiles (mg/kg)					
Acetone	200,000	0.054 U	0.053 U	0.16	0.093 U
Benzene	100	0.011 U	0.017	0.018 U	0.036
Bromodichloromethane	92	0.011 U	0.011 U	0.018 U	0.019 U
Bromoform	720	0.011 U	0.011 U	0.018 U	0.019 U
Bromomethane	2,900	0.022 U	0.021 U	0.036 U	0.037 U
2-Butanone	--	0.022 U	0.021 U	0.066	0.049
Carbon Disulfide	200,000	0.011 U	0.011 U	0.018 U	0.019 U
Carbon Tetrachloride	44	0.011 U	0.011 U	0.018 U	0.019 U
Chlorobenzene	41,000	0.011 U	0.011 U	0.018 U	0.019 U
Chloroethane	--	0.022 U	0.021 U	0.036 U	0.037 U
Chloroform	940	0.011 U	0.011 U	0.018 U	0.019 U
Chloromethane	--	0.011 U	0.011 U	0.018 U	0.019 U
Dibromochloromethane	41,000	0.011 U	0.011 U	0.018 U	0.019 U
1,1-Dichloroethane	200,000	0.011 U	0.011 U	0.018 U	0.019 U
1,2-Dichloroethane	63	0.011 U	0.011 U	0.018 U	0.019 U
1,1-Dichloroethene	18,000	0.011 U	0.011 U	0.018 U	0.019 U
cis-1,2-Dichloroethene	20,000	0.011 U	0.011 U	0.018 U	0.019 U
trans-1,2-Dichloroethene	41,000	0.011 U	0.011 U	0.018 U	0.019 U
1,2-Dichloropropane	84	0.011 U	0.011 U	0.018 U	0.019 U
cis-1,3-Dichloropropene	57	0.011 U	0.011 U	0.018 U	0.019 U
trans-1,3-Dichloropropene	57	0.011 U	0.011 U	0.018 U	0.019 U
Ethylbenzene	200,000	0.011 U	0.011 U	0.018 U	0.11
2-Hexanone	--	0.022 U	0.021 U	0.036 U	0.037 U
4-Methyl-2-Pentanone	--	0.022 U	0.021 U	0.036 U	0.037 U
Methylene Chloride	760	0.022 U	0.021 U	0.036 U	0.037 U
Styrene	410,000	0.011 U	0.011 U	0.018 U	0.019 U
1,1,2,2-Tetrachloroethane	--	0.011 U	0.011 U	0.018 U	0.019 U
Tetrachloroethene	110	0.011 U	0.011 U	0.018 U	0.019 U
Toluene	410,000	0.011 U	0.014	0.018 U	0.028
1,1,1-Trichloroethane	--	0.011 U	0.011 U	0.018 U	0.019 U
1,1,2-Trichloroethane	8,200	0.011 U	0.011 U	0.018 U	0.019 U
Trichloroethene	520	0.011 U	0.011 U	0.018 U	0.019 U
Vinyl Chloride	7.9	0.011 U	0.011 U	0.018 U	0.019 U
m,p-Xylene	1,000,000	0.011 U	0.011 U	0.018 U	0.065
o-Xylene	1,000,000	0.011 U	0.011 U	0.018 U	0.044

Notes:
(1) U - Indicates compound/analyte was analyzed for but not detected, the associated value is the sample reporting limit.
(2) WT ~ NE - Water Table Not Encountered.
(3) -- Toxicity criteria not available for exposure route.

Table 5 (Continued)
Tier 1 Screening: Soil Ingestion Exposure Route
Industrial/Commercial Worker
A Portion of Willow Street Station

Compound/Analyte	Tier 1 Screening Level (mg/kg)	Sample Location and Depth (feet below ground surface)/Concentration			
		SP05-001 2-3	SP06B-001 1-3	SP07-001 2-3	SP08-001 2-3
		WT ~ NE	WT ~ NE	WT ~ NE	WT ~ NE
TCL Semivolatiles (mg/kg)					
Bis(2-chloroethoxy)methane	--	0.38 U	0.44 U	0.4 U	20 U
Bis(2-chloroethyl)ether	5	0.38 U	0.44 U	0.4 U	20 U
Bis(2-ethylhexyl)phthalate	410	0.38 U	0.44 U	0.4 U	20 U
4-Bromophenyl phenyl ether	--	0.38 U	0.44 U	0.4 U	20 U
Butyl benzyl phthalate	410,000	0.38 U	0.44 U	0.4 U	20 U
Carbazole	290	0.38 U	0.44 U	0.4 U	20 U
4-Chloro-3-methylphenol	--	0.38 U	0.44 U	0.4 U	20 U
4-Chloroaniline	8,200	0.38 U	0.44 U	0.4 U	20 U
2-Chloronaphthalene	--	0.38 U	0.44 U	0.4 U	20 U
2-Chlorophenol	10,000	0.38 U	0.44 U	0.4 U	20 U
4-Chlorophenyl phenyl ether	--	0.38 U	0.44 U	0.4 U	20 U
Dibenzofuran	--	0.38 U	0.44 U	0.4 U	20 U
1,2-Dichlorobenzene	180,000	0.38 U	0.44 U	0.4 U	20 U
1,3-Dichlorobenzene	--	0.38 U	0.44 U	0.4 U	20 U
1,4-Dichlorobenzene	--	0.38 U	0.44 U	0.4 U	20 U
3,3'-Dichlorobenzidine	13	0.76 U	0.88 U	0.8 U	40 U
2,4-Dichlorophenol	6,100	0.38 U	0.44 U	0.4 U	20 U
Diethyl phthalate	1,000,000	0.38 U	0.44 U	0.4 U	20 U
Dimethyl phthalate	--	0.38 U	0.44 U	0.4 U	20 U
Di-n-butyl phthalate	200,000	0.38 U	0.44 U	0.4 U	20 U
2,4-Dimethylphenol	41,000	0.38 U	0.44 U	0.4 U	20 U
4,6-Dinitro-2-methylphenol	--	1.8 U	2.1 U	1.9 U	98 U
2,4-Dinitrophenol	4,100	1.8 U	2.1 U	1.9 U	98 U
2,4-Dinitrotoluene	8.4	0.29 U	0.33 U	0.3 U	15 U
2,6-Dinitrotoluene	8.4	0.29 U	0.33 U	0.3 U	15 U
Di-n-octyl phthalate	41,000	0.38 U	0.44 U	0.4 U	20 U
Hexachlorobenzene	4	0.38 U	0.44 U	0.4 U	20 U
Hexachlorobutadiene	--	0.38 U	0.44 U	0.4 U	20 U
Hexachlorocyclopentadiene	14,000	0.38 U	0.44 U	0.4 U	20 U
Hexachloroethane	2,000	0.38 U	0.44 U	0.4 U	20 U
Isophorone	410,000	0.38 U	0.44 U	0.4 U	20 U
2-Methylnaphthalene	--	0.39	0.44 U	0.4 U	20 U
2-Methylphenol	100,000	0.38 U	0.44 U	0.4 U	20 U
4-Methylphenol	--	0.38 U	0.44 U	0.4 U	20 U
2-Nitroaniline	--	1.8 U	2.1 U	1.9 U	98 U
3-Nitroaniline	--	1.8 U	2.1 U	1.9 U	98 U
4-Nitroaniline	--	1.8 U	2.1 U	1.9 U	98 U
Nitrobenzene	1,000	0.38 U	0.44 U	0.4 U	20 U
2-Nitrophenol	--	1.8 U	2.1 U	1.9 U	98 U
4-Nitrophenol	--	1.8 U	2.1 U	1.9 U	98 U
N-Nitrosodi-n-propylamine	0.8	0.38 U	0.44 U	0.4 U	20 U
N-Nitrosodiphenylamine	1,200	0.38 U	0.44 U	0.4 U	20 U
2,2'-oxybis(1-Chloropropane)	--	0.38 U	0.44 U	0.4 U	20 U
Pentachlorophenol	24	1.8 U	2.1 U	1.9 U	98 U
Phenol	1,000,000	0.38 U	0.44 U	0.4 U	20 U
1,2,4-Trichlorobenzene	20,000	0.38 U	0.44 U	0.4 U	20 U
2,4,5-Trichlorophenol	200,000	0.76 U	0.88 U	0.8 U	40 U
2,4,6-Trichlorophenol	520	0.38 U	0.44 U	0.4 U	20 U

Notes:
(1) U - Indicates compound/analyte was analyzed for but not detected, the associated value is the sample reporting limit.
(2) WT ~ NE - Water Table Not Encountered.
(3) -- Toxicity criteria not available for exposure route.

Table 5 (Continued)
Tier 1 Screening: Soil Ingestion Exposure Route
Industrial/Commercial Worker
A Portion of Willow Street Station

Compound/Analyte	Tier 1 Screening Level (mg/kg)	Sample Location and Depth (feet below ground surface)/Concentration			
		SP05-001 2-3	SP06B-001 1-3	SP07-001 2-3	SP08-001 2-3
		WT ~ NE	WT ~ NE	WT ~ NE	WT ~ NE
PAHs (mg/kg)					
Acenaphthene	120,000	0.058	0.033 U	0.22	1.5 U
Acenaphthylene	--	1.7	0.033 U	1.1	45
Anthracene	610,000	0.49	0.05	0.45	13
Benzo(a)anthracene	8	2.3	0.18	1.8	85
Benzo(b)fluoranthene	8	3.6	0.033 U	2.1	140
Benzo(k)fluoranthene	78	3.2	0.037	2	110
Benzo(g,h,i)perylene	--	1.9	0.04	0.92	64
Benzo(a)pyrene	0.8	3.4	0.064	1.8	43
Chrysene	780	2.6	0.23	2.2	140
Dibenzo(a,h)anthracene	0.8	0.65	0.033 U	0.46	31
Fluoranthene	82,000	2.3	0.14	1.9	43
Fluorene	82,000	0.35	0.033 U	0.22	8.9
Indeno(1,2,3-cd)pyrene	8	1.7	0.033 U	0.86	57
Naphthalene	41,000	1.7	0.058	0.13	1.9
Phenanthrene	--	0.62	0.18	0.42	3.7
Pyrene	61,000	3.6	0.41	2.9	82
PCBs (mg/kg)					
Aroclor 1016	1	0.093 U	0.1 U	0.095 U	1.1 U
Aroclor 1221	1	0.093 U	0.1 U	0.095 U	1.1 U
Aroclor 1232	1	0.093 U	0.1 U	0.095 U	1.1 U
Aroclor 1242	1	0.093 U	0.1 U	0.095 U	1.1 U
Aroclor 1248	1	0.093 U	0.1 U	0.095 U	1.1 U
Aroclor 1254	1	0.19 U	0.21 U	0.19 U	2.2 U
Aroclor 1260	1	0.19 U	0.21 U	0.19 U	2.2 U
Priority Pollutant Metals and Total Cyanide (mg/kg)					
Antimony	820	1.3 J	1.2 UJ	1.2 UJ	1.7 J
Arsenic	13.0	9.4	3.4	9.7	36
Beryllium	4,100	0.66	0.62 U	0.59 U	0.71 U
Cadmium	2,000	0.94	0.62 U	0.59 U	0.71 U
Chromium	6,100	18	14	17	15
Copper	82,000	54 J	16 J	31 J	100 J
Lead	400	210 J	73 J	53 J	280 J
Mercury	610	0.61	0.16	2.5	0.5
Nickel	41,000	22 J	17 J	31 J	15 J
Selenium	10,000	1.1 U	1.2 U	1.2 U	1.4 U
Silver	10,000	1.1 U	1.2 U	1.2 U	1.4 U
Thallium	160	1.1 U	1.2 U	1.2 U	1.4 U
Zinc	610,000	180	52	60	72
Total Cyanide	41,000	0.29 U	0.34 U	0.3 U	0.84

Notes:
(1) U - Indicates compound/analyte was analyzed for but not detected, the associated value is the sample reporting limit.
(2) J - Indicates an estimated value.
(3) WT ~ NE - Water Table Not Encountered.
(4) Shaded values exceeded Tier 1 screening level.
(5) -- Toxicity criteria not available for exposure route.

Table 5 (Continued)
Tier 1 Screening: Soil Ingestion Exposure Route
Industrial/Commercial Worker
A Portion of Willow Street Station

Compound/Analyte	Tier 1 Screening Level (mg/kg)	Sample Location and Depth (feet below ground surface)/Concentration			
		SP09-001 2-3	SP10-001 1-2	SP11-001 2-3	SP12-001 1-3
		WT ~ NE	WT ~ NE	WT ~ NE	WT ~ NE
TCL Volatiles (mg/kg)					
Acetone	200,000	0.028 U	0.076	0.03 U	0.042 U
Benzene	100	0.0057 U	0.0088 U	0.006 U	0.0084 U
Bromodichloromethane	92	0.0057 U	0.0088 U	0.006 U	0.0084 U
Bromoform	720	0.0057 U	0.0088 U	0.006 U	0.0084 U
Bromomethane	2,900	0.011 U	0.018 U	0.012 U	0.017 U
2-Butanone	--	0.011 U	0.028	0.012 U	0.017 U
Carbon Disulfide	200,000	0.0057 U	0.0088 U	0.006 U	0.0084 U
Carbon Tetrachloride	44	0.0057 U	0.0088 U	0.006 U	0.0084 U
Chlorobenzene	41,000	0.0057 U	0.0088 U	0.006 U	0.0084 U
Chloroethane	--	0.011 U	0.018 U	0.012 U	0.017 U
Chloroform	940	0.0057 U	0.0088 U	0.006 U	0.0084 U
Chloromethane	--	0.0057 U	0.0088 U	0.006 U	0.0084 U
Dibromochloromethane	41,000	0.0057 U	0.0088 U	0.006 U	0.0084 U
1,1-Dichloroethane	200,000	0.0057 U	0.0088 U	0.006 U	0.0084 U
1,2-Dichloroethane	63	0.0057 U	0.0088 U	0.006 U	0.0084 U
1,1-Dichloroethene	18,000	0.0057 U	0.0088 U	0.006 U	0.0084 U
cis-1,2-Dichloroethene	20,000	0.0057 U	0.0088 U	0.006 U	0.0084 U
trans-1,2-Dichloroethene	41,000	0.0057 U	0.0088 U	0.006 U	0.0084 U
1,2-Dichloropropane	84	0.0057 U	0.0088 U	0.006 U	0.0084 U
cis-1,3-Dichloropropene	57	0.0057 U	0.0088 U	0.006 U	0.0084 U
trans-1,3-Dichloropropene	57	0.0057 U	0.0088 U	0.006 U	0.0084 U
Ethylbenzene	200,000	0.0057 U	0.0088 U	0.006 U	0.0084 U
2-Hexanone	--	0.011 U	0.018 U	0.012 U	0.017 U
4-Methyl-2-Pentanone	--	0.011 U	0.018 U	0.012 U	0.017 U
Methylene Chloride	760	0.011 U	0.018 U	0.012 U	0.017 U
Styrene	410,000	0.0057 U	0.0088 U	0.006 U	0.0084 U
1,1,2,2-Tetrachloroethane	--	0.0057 U	0.0088 U	0.006 U	0.0084 U
Tetrachloroethene	110	0.0057 U	0.0088 U	0.006 U	0.0084 U
Toluene	410,000	0.0057 U	0.0088 U	0.006 U	0.0084 U
1,1,1-Trichloroethane	--	0.0057 U	0.0088 U	0.006 U	0.0084 U
1,1,2-Trichloroethane	8,200	0.0057 U	0.0088 U	0.006 U	0.0084 U
Trichloroethene	520	0.0057 U	0.0088 U	0.006 U	0.0084 U
Vinyl Chloride	7.9	0.0057 U	0.0088 U	0.006 U	0.0084 U
m,p-Xylene	1,000,000	0.0057 U	0.0088 U	0.006 U	0.0084 U
o-Xylene	1,000,000	0.0057 U	0.0088 U	0.006 U	0.0084 U

Notes:
(1) U - Indicates compound/analyte was analyzed for but not detected, the associated value is the sample reporting limit.
(2) WT ~ NE - Water Table Not Encountered.
(3) -- Toxicity criteria not available for exposure route.

Table 5 (Continued)
Tier 1 Screening: Soil Ingestion Exposure Route
Industrial/Commercial Worker
A Portion of Willow Street Station

Compound/Analyte	Tier 1 Screening Level (mg/kg)	Sample Location and Depth (feet below ground surface)/Concentration			
		SP09-001 2-3	SP10-001 1-2	SP11-001 2-3	SP12-001 1-3
		WT ~ NE	WT ~ NE	WT ~ NE	WT ~ NE
TCL Semivolatiles (mg/kg)					
Bis(2-chloroethoxy)methane	--	3.8 U	0.38 U	0.39 U	0.39 U
Bis(2-chloroethyl)ether	5	3.8 U	0.38 U	0.39 U	0.39 U
Bis(2-ethylhexyl)phthalate	410	3.8 U	0.38 U	0.39 U	0.39 U
4-Bromophenyl phenyl ether	--	3.8 U	0.38 U	0.39 U	0.39 U
Butyl benzyl phthalate	410,000	3.8 U	0.38 U	0.39 U	0.39 U
Carbazole	290	5.5	0.75	0.39 U	0.39 U
4-Chloro-3-methylphenol	--	3.8 U	0.38 U	0.39 U	0.39 U
4-Chloroaniline	8,200	3.8 U	0.38 U	0.39 U	0.39 U
2-Chloronaphthalene	--	3.8 U	0.38 U	0.39 U	0.39 U
2-Chlorophenol	10,000	3.8 U	0.38 U	0.39 U	0.39 U
4-Chlorophenyl phenyl ether	--	3.8 U	0.38 U	0.39 U	0.39 U
Dibenzofuran	--	3.8 U	0.38 U	0.39 U	0.39 U
1,2-Dichlorobenzene	180,000	3.8 U	0.38 U	0.39 U	0.39 U
1,3-Dichlorobenzene	--	3.8 U	0.38 U	0.39 U	0.39 U
1,4-Dichlorobenzene	--	3.8 U	0.38 U	0.39 U	0.39 U
3,3'-Dichlorobenzidine	13	7.7 U	0.76 U	0.77 U	0.78 U
2,4-Dichlorophenol	6,100	3.8 U	0.38 U	0.39 U	0.39 U
Diethyl phthalate	1,000,000	3.8 U	0.38 U	0.39 U	0.39 U
Dimethyl phthalate	--	3.8 U	0.38 U	0.39 U	0.39 U
Di-n-butyl phthalate	200,000	3.8 U	0.38 U	0.39 U	0.39 U
2,4-Dimethylphenol	41,000	3.8 U	0.38 U	0.39 U	0.39 U
4,6-Dinitro-2-methylphenol	--	19 U	1.8 U	1.9 U	1.9 U
2,4-Dinitrophenol	4,100	19 U	1.8 U	1.9 U	1.9 U
2,4-Dinitrotoluene	8.4	2.9 U	0.29 U	0.29 U	0.3 U
2,6-Dinitrotoluene	8.4	2.9 U	0.29 U	0.29 U	0.3 U
Di-n-octyl phthalate	41,000	3.8 U	0.38 U	0.39 U	0.39 U
Hexachlorobenzene	4	3.8 U	0.38 U	0.39 U	0.39 U
Hexachlorobutadiene	--	3.8 U	0.38 U	0.39 U	0.39 U
Hexachlorocyclopentadiene	14,000	3.8 U	0.38 U	0.39 U	0.39 U
Hexachloroethane	2,000	3.8 U	0.38 U	0.39 U	0.39 U
Isophorone	410,000	3.8 U	0.38 U	0.39 U	0.39 U
2-Methylnaphthalene	--	3.8 U	0.38 U	0.39 U	0.45
2-Methylphenol	100,000	3.8 U	0.38 U	0.39 U	0.39 U
4-Methylphenol	--	3.8 U	0.38 U	0.39 U	0.39 U
2-Nitroaniline	--	19 U	1.8 U	1.9 U	1.9 U
3-Nitroaniline	--	19 U	1.8 U	1.9 U	1.9 U
4-Nitroaniline	--	19 U	1.8 U	1.9 U	1.9 U
Nitrobenzene	1,000	3.8 U	0.38 U	0.39 U	0.39 U
2-Nitrophenol	--	19 U	1.8 U	1.9 U	1.9 U
4-Nitrophenol	--	19 U	1.8 U	1.9 U	1.9 U
N-Nitrosodi-n-propylamine	0.8	3.8 U	0.38 U	0.39 U	0.39 U
N-Nitrosodiphenylamine	1,200	3.8 U	0.38 U	0.39 U	0.39 U
2,2'-oxybis(1-Chloropropane)	--	3.8 U	0.38 U	0.39 U	0.39 U
Pentachlorophenol	24	19 U	1.8 U	1.9 U	1.9 U
Phenol	1,000,000	3.8 U	0.38 U	0.39 U	0.39 U
1,2,4-Trichlorobenzene	20,000	3.8 U	0.38 U	0.39 U	0.39 U
2,4,5-Trichlorophenol	200,000	7.7 U	0.76 U	0.77 U	0.78 U
2,4,6-Trichlorophenol	520	3.8 U	0.38 U	0.39 U	0.39 U

Notes:
(1) U - Indicates compound/analyte was analyzed for but not detected, the associated value is the sample reporting limit.
(2) WT ~ NE - Water Table Not Encountered.
(3) -- Toxicity criteria not available for exposure route.

Table 5 (Continued)
Tier 1 Screening: Soil Ingestion Exposure Route
Industrial/Commercial Worker
A Portion of Willow Street Station

Compound/Analyte	Tier 1 Screening Level (mg/kg)	Sample Location and Depth (feet below ground surface)/Concentration			
		SP09-001 2-3	SP10-001 1-2	SP11-001 2-3	SP12-001 1-3
		WT ~ NE	WT ~ NE	WT ~ NE	WT ~ NE
PAHs (mg/kg)					
Acenaphthene	120,000	3	0.16	0.029 U	0.03 U
Acenaphthylene	--	2.3	0.082	0.094	0.072
Anthracene	610,000	13	0.85	0.42	0.12
Benzo(a)anthracene	8	36	2.3	0.55	0.54
Benzo(b)fluoranthene	8	37	2.7	0.56	0.55
Benzo(k)fluoranthene	78	28	2.1	0.4	0.45
Benzo(g,h,i)perylene	--	18	1.7	0.43	0.46
Benzo(a)pyrene	0.8	37	2.2	0.44	0.61
Chrysene	780	35	2.5	0.57	0.58
Dibenzo(a,h)anthracene	0.8	7.7	0.81	0.088	0.067
Fluoranthene	82,000	52	4.6	0.82	0.85
Fluorene	82,000	2.9	0.23	0.029 U	0.03 U
Indeno(1,2,3-cd)pyrene	8	18	1.5	0.36	0.4
Naphthalene	41,000	0.41	0.36	0.034	0.24
Phenanthrene	--	29	2.9	0.39	0.53
Pyrene	61,000	47	3.7	0.73	0.91
PCBs (mg/kg)					
Aroclor 1016	1	0.92 U	0.091 U	0.093 U	0.095 U
Aroclor 1221	1	0.92 U	0.091 U	0.093 U	0.095 U
Aroclor 1232	1	0.92 U	0.091 U	0.093 U	0.095 U
Aroclor 1242	1	0.92 U	0.091 U	0.093 U	0.095 U
Aroclor 1248	1	0.92 U	0.091 U	0.093 U	0.095 U
Aroclor 1254	1	1.8 U	0.18 U	0.19 U	0.19 U
Aroclor 1260	1	1.8 U	0.18 U	0.19 U	0.19 U
Priority Pollutant Metals and Total Cyanide (mg/kg)					
Antimony	820	1.2 UJ	1.7 J	1.1 UJ	1.2 UJ
Arsenic	13.0	11	9.6	8.9	7.7
Beryllium	4,100	0.6 U	0.9	0.82	0.65
Cadmium	2,000	1.3	1.1	0.56 U	0.62
Chromium	6,100	16	19	21	15
Copper	82,000	58 J	190 J	37 J	41 J
Lead	400	250 J	450 J	130 J	88 J
Mercury	610	2.2	0.22	0.63	0.62
Nickel	41,000	22 J	23 J	33 J	27 J
Selenium	10,000	1.2 U	1.1 U	1.1 U	1.2 U
Silver	10,000	1.2 U	1.1 U	1.1 U	1.2 U
Thallium	160	1.2 U	1.3	1.6	1.5
Zinc	610,000	370	390	89	120
Total Cyanide	41,000	1.8	0.3 U	0.3 U	0.3 U

Notes:
(1) U - Indicates compound/analyte was analyzed for but not detected, the associated value is the sample reporting limit.
(2) J - Indicates an estimated value.
(3) WT ~ NE - Water Table Not Encountered.
(4) Shaded values exceeded Tier 1 screening level.
(5) -- Toxicity criteria not available for exposure route.

Table 5 (Continued)
Tier 1 Screening: Soil Ingestion Exposure Route
Industrial/Commercial Worker
November 2000 Site Investigation
A Portion of Willow Street Station

Compound/Analyte	Tier 1 Screening Level (mg/kg)	Sample Location and Depth (feet below ground surface)/Concentration			
		SB-04 1-3	SB-05 1-3	SB-06 1-3	SB-08 1-3
BTEX (mg/kg)					
Benzene	100	0.003	0.004	0.009	0.007
Ethylbenzene	200,000	0.005 U	0.005 U	0.005	0.005 U
Toluene	410,000	0.005 U	0.005 U	0.005 U	0.005 U
Total Xylenes	1,000,000	0.005 U	0.005 U	0.005 U	0.005 U
Phenols (mg/kg)					
2,4-Dimethylphenol	41,000	0.330 U	0.330 U	0.330 U	0.330 U
2-Methylphenol	100,000	0.330 U	0.330 U	0.330 U	0.330 U
4-Methylphenol	--	0.330 U	0.330 U	0.330 U	0.330 U
Phenol	1,000,000	0.330 U	0.330 U	0.330 U	0.330 U
PAHs (mg/kg)					
Acenaphthene	120,000	0.099	0.088	0.116	0.138
Acenaphthylene	--	0.357	1.05	0.295	1.66
Anthracene	610,000	0.239	0.516	0.271	0.336
Benzo(a)anthracene	8	0.794	2.69	1.24	1.35
Benzo(b)fluoranthene	8	0.904	3.23	0.341	1.07
Benzo(k)fluoranthene	78	0.723	2.05	0.410	0.882
Benzo(g,h,i)perylene	--	0.483	2.36	0.606	0.963
Benzo(a)pyrene	0.8	0.982	4.13	0.433	0.621
Chrysene	780	0.945	2.87	1.45	1.77
Dibenzo(a,h)anthracene	0.8	0.267	0.317	0.328	0.482
Fluoranthene	82,000	1.17	4.67	1.89	1.00
Fluorene	82,000	0.088	0.172	0.033	0.148
Naphthalene	41,000	0.025 U	0.122	0.368	1.40
Phenanthrene	--	0.679	1.59	1.24	0.310
Pyrene	61,000	1.23	6.63	2.24	1.68
Dibenzofuran	--	0.054	0.054	0.113	0.144
2-Methylnaphthalene	--	0.029	0.068	0.217	0.253
Metals and Total Cyanide (mg/kg)					
Arsenic	13.0	0.157	0.486	0.294	1.58
Barium	140,000	5.10	30.0	22.3	38.4
Cadmium	2,000	0.500 U	0.500 U	0.500 U	2.31
Chromium	6,100	8.62	4.71	6.70	10.9
Copper	82,000	39.2	23.5	13.1	50.2
Iron	--	8310	3710	24800	8400
Lead	400	39.2	208	19.4	1210
Manganese	96,000	33.5	147	531	211
Mercury	610	0.389	0.465	0.199	1.23
Nickel	41,000	4.47	6.75	5.23	9.31
Selenium	10,000	1.00 U	1.00 U	1.00 U	1.00 U
Silver	10,000	0.500 U	0.500 U	0.500 U	0.500 U
Zinc	610,000	23.4	62.9	17.0	254
Total Cyanide	41,000	3.17	1.58	2.46	6.79

Notes:
(1) U - Indicates compound/analyte was analyzed for but not detected, the associated value is the sample reporting limit.
(2) NA - Not analyzed.
(3) -- Toxicity criteria not available for exposure route.
(4) Shaded values exceed Tier 1 soil ingestion screening level.

Table 6
Tier 1 Screening: Soil Ingestion Exposure Route
Construction Worker
A Portion of Willow Street Station

Compound/Analyte	Tier 1 Screening Level (mg/kg)	Sample Location and Depth (feet below ground surface)/Concentration			
		SP01-001 14-16	SP02-001 7-8	SP03-001 10-11	SP05-001 2-3
		WT ~ NE	WT ~ NE	WT ~ NE	WT ~ NE
TCL Volatiles (mg/kg)					
Acetone	200,000	0.08 U	0.086 U	0.048 U	0.054 U
Benzene	2,300	1.5	10	0.0097	0.011 U
Bromodichloromethane	2,000	0.016 U	0.017 U	0.0095 U	0.011 U
Bromoform	16,000	0.016 U	0.017 U	0.0095 U	0.011 U
Bromomethane	1,000	0.032 U	0.034 U	0.019 U	0.022 U
2-Butanone	--	0.032 U	0.034 U	0.019 U	0.022 U
Carbon Disulfide	20,000	0.016 U	0.017 U	0.0095 U	0.011 U
Carbon Tetrachloride	410	0.016 U	0.017 U	0.0095 U	0.011 U
Chlorobenzene	4,100	0.016 U	0.017 U	0.0095 U	0.011 U
Chloroethane	--	0.032 U	0.034 U	0.019 U	0.022 U
Chloroform	2,000	0.016 U	0.017 U	0.0095 U	0.011 U
Chloromethane	--	0.016 U	0.017 U	0.0095 U	0.011 U
Dibromochloromethane	41,000	0.016 U	0.017 U	0.0095 U	0.011 U
1,1-Dichloroethane	200,000	0.016 U	0.017 U	0.0095 U	0.011 U
1,2-Dichloroethane	1,400	0.016 U	0.017 U	0.0095 U	0.011 U
1,1-Dichloroethene	1,800	0.016 U	0.017 U	0.0095 U	0.011 U
cis-1,2-Dichloroethene	20,000	0.016 U	0.017 U	0.0095 U	0.011 U
trans-1,2-Dichloroethene	41,000	0.016 U	0.017 U	0.0095 U	0.011 U
1,2-Dichloropropane	1,800	0.016 U	0.017 U	0.0095 U	0.011 U
cis-1,3-Dichloropropene	1,200	0.016 U	0.017 U	0.0095 U	0.011 U
trans-1,3-Dichloropropene	1,200	0.016 U	0.017 U	0.0095 U	0.011 U
Ethylbenzene	20,000	5.6	0.091	0.0095 U	0.011 U
2-Hexanone	--	0.032 U	0.034 U	0.019 U	0.022 U
4-Methyl-2-Pentanone	--	0.032 U	0.034 U	0.019 U	0.022 U
Methylene Chloride	12,000	0.032 U	0.034 U	0.019 U	0.022 U
Styrene	41,000	0.041	0.017 U	0.0095 U	0.011 U
1,1,2,2-Tetrachloroethane	--	0.016 U	0.017 U	0.0095 U	0.011 U
Tetrachloroethene	2,400	0.016 U	0.017 U	0.0095 U	0.011 U
Toluene	410,000	0.056	0.028	0.0095 U	0.011 U
1,1,1-Trichloroethane	--	0.016 U	0.017 U	0.0095 U	0.011 U
1,1,2-Trichloroethane	8,200	0.016 U	0.017 U	0.0095 U	0.011 U
Trichloroethene	1,200	0.016 U	0.017 U	0.0095 U	0.011 U
Vinyl Chloride	170	0.016 U	0.017 U	0.0095 U	0.011 U
m,p-Xylene	410,000	0.069	0.21	0.083	0.011 U
o-Xylene	410,000	0.52	0.065	0.011	0.011 U

Notes:
(1) U - Indicates compound/analyte was analyzed for but not detected, the associated value is the sample reporting limit.
(2) WT ~ NE - Water Table Not Encountered.
(3) -- Toxicity criteria not available for exposure route.

Table 6 (Continued)
Tier 1 Screening: Soil Ingestion Exposure Route
Construction Worker
A Portion of Willow Street Station

Compound/Analyte	Tier 1 Screening Level (mg/kg)	Sample Location and Depth (feet below ground surface)/Concentration			
		SP01-001 14-16	SP02-001 7-8	SP03-001 10-11	SP05-001 2-3
		WT ~ NE	WT ~ NE	WT ~ NE	WT ~ NE
TCL Semivolatiles (mg/kg)					
Bis(2-chloroethoxy)methane	--	0.43 U	0.39 U	0.39 U	0.38 U
Bis(2-chloroethyl)ether	75	0.43 U	0.39 U	0.39 U	0.38 U
Bis(2-ethylhexyl)phthalate	4,100	0.43 U	0.39 U	0.39 U	0.38 U
4-Bromophenyl phenyl ether	--	0.43 U	0.39 U	0.39 U	0.38 U
Butyl benzyl phthalate	410,000	0.43 U	0.39 U	0.39 U	0.38 U
Carbazole	6,200	3.5	0.39 U	0.39 U	0.38 U
4-Chloro-3-methylphenol	--	0.43 U	0.39 U	0.39 U	0.38 U
4-Chloroaniline	820	0.43 U	0.39 U	0.39 U	0.38 U
2-Chloronaphthalene	--	0.43 U	0.39 U	0.39 U	0.38 U
2-Chlorophenol	10,000	0.43 U	0.39 U	0.39 U	0.38 U
4-Chlorophenyl phenyl ether	--	0.43 U	0.39 U	0.39 U	0.38 U
Dibenzofuran	--	2.7	0.39 U	0.39 U	0.38 U
1,2-Dichlorobenzene	18,000	0.43 U	0.39 U	0.39 U	0.38 U
1,3-Dichlorobenzene	--	0.43 U	0.39 U	0.39 U	0.38 U
1,4-Dichlorobenzene	--	0.43 U	0.39 U	0.39 U	0.38 U
3,3´-Dichlorobenzidine	280	0.86 U	0.79 U	0.78 U	0.76 U
2,4-Dichlorophenol	610	0.43 U	0.39 U	0.39 U	0.38 U
Diethyl phthalate	1,000,000	0.43 U	0.39 U	0.39 U	0.38 U
Dimethyl phthalate	--	0.43 U	0.39 U	0.39 U	0.38 U
Di-n-butyl phthalate	200,000	0.43 U	0.39 U	0.39 U	0.38 U
2,4-Dimethylphenol	41,000	0.43 U	0.39 U	0.39 U	0.38 U
4,6-Dinitro-2-methylphenol	--	2.1 U	1.9 U	1.9 U	1.8 U
2,4-Dinitrophenol	410	2.1 U	1.9 U	1.9 U	1.8 U
2,4-Dinitrotoluene	180	0.33 U	0.3 U	0.29 U	0.29 U
2,6-Dinitrotoluene	180	0.33 U	0.3 U	0.29 U	0.29 U
Di-n-octyl phthalate	4,100	0.43 U	0.39 U	0.39 U	0.38 U
Hexachlorobenzene	78	0.43 U	0.39 U	0.39 U	0.38 U
Hexachlorobutadiene	--	0.43 U	0.39 U	0.39 U	0.38 U
Hexachlorocyclopentadiene	14,000	0.43 U	0.39 U	0.39 U	0.38 U
Hexachloroethane	2,000	0.43 U	0.39 U	0.39 U	0.38 U
Isophorone	410,000	0.43 U	0.39 U	0.39 U	0.38 U
2-Methylnaphthalene	--	30	6.9	0.39 U	0.39
2-Methylphenol	100,000	0.43 U	0.39 U	0.39 U	0.38 U
4-Methylphenol	--	0.43 U	0.39 U	0.39 U	0.38 U
2-Nitroaniline	--	2.1 U	1.9 U	1.9 U	1.8 U
3-Nitroaniline	--	2.1 U	1.9 U	1.9 U	1.8 U
4-Nitroaniline	--	2.1 U	1.9 U	1.9 U	1.8 U
Nitrobenzene	1,000	0.43 U	0.39 U	0.39 U	0.38 U
2-Nitrophenol	--	2.1 U	1.9 U	1.9 U	1.8 U
4-Nitrophenol	--	2.1 U	1.9 U	1.9 U	1.8 U
N-Nitrosodi-n-propylamine	18	0.43 U	0.39 U	0.39 U	0.38 U
N-Nitrosodiphenylamine	25,000	0.43 U	0.39 U	0.39 U	0.38 U
2,2'-oxybis(1-Chloropropane)	--	0.43 U	0.39 U	0.39 U	0.38 U
Pentachlorophenol	520	2.1 U	1.9 U	1.9 U	1.8 U
Phenol	120,000	0.43 U	0.39 U	0.39 U	0.38 U
1,2,4-Trichlorobenzene	2,000	0.43 U	0.39 U	0.39 U	0.38 U
2,4,5-Trichlorophenol	200,000	0.86 U	0.79 U	0.78 U	0.76 U
2,4,6-Trichlorophenol	11,000	0.43 U	0.39 U	0.39 U	0.38 U

Notes:
(1) U - Indicates compound/analyte was analyzed for but not detected, the associated value is the sample reporting limit.
(2) WT ~ NE - Water Table Not Encountered.
(3) -- Toxicity criteria not available for exposure route.

Table 6 (Continued)
Tier 1 Screening: Soil Ingestion Exposure Route
Construction Worker
A Portion of Willow Street Station

Compound/Analyte	Tier 1 Screening Level (mg/kg)	Sample Location and Depth (feet below ground surface)/Concentration			
		SP01-001 14-16	SP02-001 7-8	SP03-001 10-11	SP05-001 2-3
		WT ~ NE	WT ~ NE	WT ~ NE	WT ~ NE
PAHs (mg/kg)					
Acenaphthene	120,000	76	3.7	0.029 U	0.058
Acenaphthylene	--	24	0.47	0.029 U	1.7
Anthracene	610,000	88	2.2	0.029 U	0.49
Benzo(a)anthracene	170	51	1	0.029 U	2.3
Benzo(b)fluoranthene	170	42	0.71	0.029 U	3.6
Benzo(k)fluoranthene	1,700	37	0.67	0.029 U	3.2
Benzo(g,h,i)perylene	--	39	0.69	0.029 U	1.9
Benzo(a)pyrene	17	67	1.2	0.029 U	3.4
Chrysene	17,000	51	0.96	0.029 U	2.6
Dibenzo(a,h)anthracene	17	6.6	0.15	0.029 U	0.65
Fluoranthene	82,000	180	2.7	0.03	2.3
Fluorene	82,000	65	1.9	0.029 U	0.35
Indeno(1,2,3-cd)pyrene	170	30	0.52	0.029 U	1.7
Naphthalene	4,100	400	1.3	0.029	1.7
Phenanthrene	--	300	4.6	0.064	0.62
Pyrene	61,000	230	3.5	0.045	3.6
PCBs (mg/kg)					
Aroclor 1016	1	0.1 U	0.099 U	0.095 U	0.093 U
Aroclor 1221	1	0.1 U	0.099 U	0.095 U	0.093 U
Aroclor 1232	1	0.1 U	0.099 U	0.095 U	0.093 U
Aroclor 1242	1	0.1 U	0.099 U	0.095 U	0.093 U
Aroclor 1248	1	0.1 U	0.099 U	0.095 U	0.093 U
Aroclor 1254	1	0.21 U	0.2 U	0.19 U	0.19 U
Aroclor 1260	1	0.21 U	0.2 U	0.19 U	0.19 U
Priority Pollutant Metals and Total Cyanide (mg/kg)					
Antimony	82	1.4 J	1.2 J	1.2 UJ	1.3 J
Arsenic	61	21	20	4.3	9.4
Beryllium	410	0.83	0.99	0.62	0.66
Cadmium	200	0.76	0.6 U	0.58 U	0.94
Chromium	4,100	18	22	27	18
Copper	8,200	48 J	33 J	29 J	54 J
Lead	400	120	25	14	210 J
Mercury	61	0.39	0.037	0.03 U	0.61
Nickel	4,100	34	38	39	22 J
Selenium	1,000	1.3 U	1.2 U	1.2 U	1.1 U
Silver	1,000	1.3 U	1.2 U	1.2 U	1.1 U
Thallium	160	1.3	1.4	1.3	1.1 U
Zinc	61,000	130 J	61 J	71 J	180
Total Cyanide	4,100	0.33 U	0.31 U	0.3 U	0.29 U

Notes:
(1) U - Indicates compound/analyte was analyzed for but not detected, the associated value is the sample reporting limit.
(2) J - Indicates an estimated value.
(3) Shaded values exceeded Tier 1 screening level.
(4) -- Toxicity criteria not available for exposure route.
(5) WT ~ NE - Water Table Not Encountered.

Table 6 (Continued)
Tier 1 Screening: Soil Ingestion Exposure Route
Construction Worker
A Portion of Willow Street Station

Compound/Analyte	Tier 1 Screening Level (mg/kg)	Sample Location and Depth (feet below ground surface)/Concentration			
		SP05-002 6-8	SP06B-001 1-3	SP06B-002 9-11	SP07-001 2-3
		WT ~ NE	WT ~ NE	WT ~ NE	WT ~ NE
TCL Volatiles (mg/kg)					
Acetone	200,000	0.042 U	0.053 U	0.073	0.16
Benzene	2,300	0.0083 U	0.017	0.045	0.018 U
Bromodichloromethane	2,000	0.0083 U	0.011 U	0.012 U	0.018 U
Bromoform	16,000	0.0083 U	0.011 U	0.012 U	0.018 U
Bromomethane	1,000	0.017 U	0.021 U	0.024 U	0.036 U
2-Butanone	--	0.017 U	0.021 U	0.024 U	0.066
Carbon Disulfide	20,000	0.0083 U	0.011 U	0.012 U	0.018 U
Carbon Tetrachloride	410	0.0083 U	0.011 U	0.012 U	0.018 U
Chlorobenzene	4,100	0.0083 U	0.011 U	0.012 U	0.018 U
Chloroethane	--	0.017 U	0.021 U	0.024 U	0.036 U
Chloroform	2,000	0.0083 U	0.011 U	0.012 U	0.018 U
Chloromethane	--	0.0083 U	0.011 U	0.012 U	0.018 U
Dibromochloromethane	41,000	0.0083 U	0.011 U	0.012 U	0.018 U
1,1-Dichloroethane	200,000	0.0083 U	0.011 U	0.012 U	0.018 U
1,2-Dichloroethane	1,400	0.0083 U	0.011 U	0.012 U	0.018 U
1,1-Dichloroethene	1,800	0.0083 U	0.011 U	0.012 U	0.018 U
cis-1,2-Dichloroethene	20,000	0.0083 U	0.011 U	0.012 U	0.018 U
trans-1,2-Dichloroethene	41,000	0.0083 U	0.011 U	0.012 U	0.018 U
1,2-Dichloropropane	1,800	0.0083 U	0.011 U	0.012 U	0.018 U
cis-1,3-Dichloropropene	1,200	0.0083 U	0.011 U	0.012 U	0.018 U
trans-1,3-Dichloropropene	1,200	0.0083 U	0.011 U	0.012 U	0.018 U
Ethylbenzene	20,000	0.0083 U	0.011 U	0.012 U	0.018 U
2-Hexanone	--	0.017 U	0.021 U	0.024 U	0.036 U
4-Methyl-2-Pentanone	--	0.017 U	0.021 U	0.024 U	0.036 U
Methylene Chloride	12,000	0.017 U	0.021 U	0.024 U	0.036 U
Styrene	41,000	0.0083 U	0.011 U	0.012 U	0.018 U
1,1,2,2-Tetrachloroethane	--	0.0083 U	0.011 U	0.012 U	0.018 U
Tetrachloroethene	2,400	0.0083 U	0.011 U	0.012 U	0.018 U
Toluene	410,000	0.0083 U	0.014	0.012 U	0.018 U
1,1,1-Trichloroethane	--	0.0083 U	0.011 U	0.012 U	0.018 U
1,1,2-Trichloroethane	8,200	0.0083 U	0.011 U	0.012 U	0.018 U
Trichloroethene	1,200	0.0083 U	0.011 U	0.012 U	0.018 U
Vinyl Chloride	170	0.0083 U	0.011 U	0.012 U	0.018 U
m,p-Xylene	410,000	0.0083 U	0.011 U	0.012 U	0.018 U
o-Xylene	410,000	0.0083 U	0.011 U	0.012 U	0.018 U

Notes:
(1) U - Indicates compound/analyte was analyzed for but not detected, the associated value is the sample reporting limit.
(2) WT ~ NE - Water Table Not Encountered.
(3) -- Toxicity criteria not available for exposure route.

Table 6 (Continued)
Tier 1 Screening: Soil Ingestion Exposure Route
Construction Worker
A Portion of Willow Street Station

Compound/Analyte	Tier 1 Screening Level (mg/kg)	Sample Location and Depth (feet below ground surface)/Concentration			
		SP05-002 6-8	SP06B-001 1-3	SP06B-002 9-11	SP07-001 2-3
		WT ~ NE	WT ~ NE	WT ~ NE	WT ~ NE
TCL Semivolatiles (mg/kg)					
Bis(2-chloroethoxy)methane	--	0.39 U	0.44 U	0.4 U	0.4 U
Bis(2-chloroethyl)ether	75	0.39 U	0.44 U	0.4 U	0.4 U
Bis(2-ethylhexyl)phthalate	4,100	0.39 U	0.44 U	0.4 U	0.4 U
4-Bromophenyl phenyl ether	--	0.39 U	0.44 U	0.4 U	0.4 U
Butyl benzyl phthalate	410,000	0.39 U	0.44 U	0.4 U	0.4 U
Carbazole	6,200	0.64	0.44 U	0.4 U	0.4 U
4-Chloro-3-methylphenol	--	0.39 U	0.44 U	0.4 U	0.4 U
4-Chloroaniline	820	0.39 U	0.44 U	0.4 U	0.4 U
2-Chloronaphthalene	--	0.39 U	0.44 U	0.4 U	0.4 U
2-Chlorophenol	10,000	0.39 U	0.44 U	0.4 U	0.4 U
4-Chlorophenyl phenyl ether	--	0.39 U	0.44 U	0.4 U	0.4 U
Dibenzofuran	--	0.39 U	0.44 U	0.4 U	0.4 U
1,2-Dichlorobenzene	18,000	0.39 U	0.44 U	0.4 U	0.4 U
1,3-Dichlorobenzene	--	0.39 U	0.44 U	0.4 U	0.4 U
1,4-Dichlorobenzene	--	0.39 U	0.44 U	0.4 U	0.4 U
3,3´-Dichlorobenzidine	280	0.79 U	0.88 U	0.81 U	0.8 U
2,4-Dichlorophenol	610	0.39 U	0.44 U	0.4 U	0.4 U
Diethyl phthalate	1,000,000	0.39 U	0.44 U	0.4 U	0.4 U
Dimethyl phthalate	--	0.39 U	0.44 U	0.4 U	0.4 U
Di-n-butyl phthalate	200,000	0.39 U	0.44 U	0.4 U	0.4 U
2,4-Dimethylphenol	41,000	0.39 U	0.44 U	0.4 U	0.4 U
4,6-Dinitro-2-methylphenol	--	1.9 U	2.1 U	2 U	1.9 U
2,4-Dinitrophenol	410	1.9 U	2.1 U	2 U	1.9 U
2,4-Dinitrotoluene	180	0.3 U	0.33 U	0.31 U	0.3 U
2,6-Dinitrotoluene	180	0.3 U	0.33 U	0.31 U	0.3 U
Di-n-octyl phthalate	4,100	0.39 U	0.44 U	0.4 U	0.4 U
Hexachlorobenzene	78	0.39 U	0.44 U	0.4 U	0.4 U
Hexachlorobutadiene	--	0.39 U	0.44 U	0.4 U	0.4 U
Hexachlorocyclopentadiene	14,000	0.39 U	0.44 U	0.4 U	0.4 U
Hexachloroethane	2,000	0.39 U	0.44 U	0.4 U	0.4 U
Isophorone	410,000	0.39 U	0.44 U	0.4 U	0.4 U
2-Methylnaphthalene	--	0.39 U	0.44 U	0.4 U	0.4 U
2-Methylphenol	100,000	0.39 U	0.44 U	0.4 U	0.4 U
4-Methylphenol	--	0.39 U	0.44 U	0.4 U	0.4 U
2-Nitroaniline	--	1.9 U	2.1 U	2 U	1.9 U
3-Nitroaniline	--	1.9 U	2.1 U	2 U	1.9 U
4-Nitroaniline	--	1.9 U	2.1 U	2 U	1.9 U
Nitrobenzene	1,000	0.39 U	0.44 U	0.4 U	0.4 U
2-Nitrophenol	--	1.9 U	2.1 U	2 U	1.9 U
4-Nitrophenol	--	1.9 U	2.1 U	2 U	1.9 U
N-Nitrosodi-n-propylamine	18	0.39 U	0.44 U	0.4 U	0.4 U
N-Nitrosodiphenylamine	25,000	0.39 U	0.44 U	0.4 U	0.4 U
2,2'-oxybis(1-Chloropropane)	--	0.39 U	0.44 U	0.4 U	0.4 U
Pentachlorophenol	520	1.9 U	2.1 U	2 U	1.9 U
Phenol	120,000	0.39 U	0.44 U	0.4 U	0.4 U
1,2,4-Trichlorobenzene	2,000	0.39 U	0.44 U	0.4 U	0.4 U
2,4,5-Trichlorophenol	200,000	0.79 U	0.88 U	0.81 U	0.8 U
2,4,6-Trichlorophenol	11,000	0.39 U	0.44 U	0.4 U	0.4 U

Notes:
(1) U - Indicates compound/analyte was analyzed for but not detected, the associated value is the sample reporting limit.
(2) WT ~ NE - Water Table Not Encountered.
(3) -- Toxicity criteria not available for exposure route.

Table 6 (Continued)
Tier 1 Screening: Soil Ingestion Exposure Route
Construction Worker
A Portion of Willow Street Station

Compound/Analyte	Tier 1 Screening Level (mg/kg)	Sample Location and Depth (feet below ground surface)/Concentration			
		SP05-002 6-8	SP06B-001 1-3	SP06B-002 9-11	SP07-001 2-3
		WT ~ NE	WT ~ NE	WT ~ NE	WT ~ NE
PAHs (mg/kg)					
Acenaphthene	120,000	1.2	0.033 U	0.031 U	0.22
Acenaphthylene	--	0.15	0.033 U	0.031 U	1.1
Anthracene	610,000	3.7	0.05	0.031 U	0.45
Benzo(a)anthracene	170	5.6	0.18	0.031 U	1.8
Benzo(b)fluoranthene	170	3.4	0.033 U	0.031 U	2.1
Benzo(k)fluoranthene	1,700	3.6	0.037	0.031 U	2
Benzo(g,h,i)perylene	--	1.1	0.04	0.031 U	0.92
Benzo(a)pyrene	17	3.9	0.064	0.031 U	1.8
Chrysene	17,000	5.4	0.23	0.031 U	2.2
Dibenzo(a,h)anthracene	17	0.66	0.033 U	0.031 U	0.46
Fluoranthene	82,000	18	0.14	0.031 U	1.9
Fluorene	82,000	0.6	0.033 U	0.031 U	0.22
Indeno(1,2,3-cd)pyrene	170	1.3	0.033 U	0.031 U	0.86
Naphthalene	4,100	0.072	0.058	0.053	0.13
Phenanthrene	--	7.6	0.18	0.031 U	0.42
Pyrene	61,000	15	0.41	0.031 U	2.9
PCBs (mg/kg)					
Aroclor 1016	1	0.093 U	0.1 U	0.093 U	0.095 U
Aroclor 1221	1	0.093 U	0.1 U	0.093 U	0.095 U
Aroclor 1232	1	0.093 U	0.1 U	0.093 U	0.095 U
Aroclor 1242	1	0.093 U	0.1 U	0.093 U	0.095 U
Aroclor 1248	1	0.093 U	0.1 U	0.093 U	0.095 U
Aroclor 1254	1	0.19 U	0.21 U	0.19 U	0.19 U
Aroclor 1260	1	0.19 U	0.21 U	0.19 U	0.19 U
Priority Pollutant Metals and Total Cyanide (mg/kg)					
Antimony	82	1.1 UJ	1.2 UJ	1.2 UJ	1.2 UJ
Arsenic	61	2.9	3.4	6.4	9.7
Beryllium	410	0.57 U	0.62 U	0.58 U	0.59 U
Cadmium	200	0.57 U	0.62 U	0.58 U	0.59 U
Chromium	4,100	4.7	14	18	17
Copper	8,200	4.1 J	16 J	29 J	31 J
Lead	400	20	73 J	18	53 J
Mercury	61	0.053	0.16	0.029 U	2.5
Nickel	4,100	4.5	17 J	30	31 J
Selenium	1,000	1.1 U	1.2 U	1.2 U	1.2 U
Silver	1,000	1.1 U	1.2 U	1.2 U	1.2 U
Thallium	160	1.1 U	1.2 U	1.2 U	1.2 U
Zinc	61,000	48 J	52	44 J	60
Total Cyanide	4,100	0.3 U	0.34 U	0.31 U	0.3 U

Notes:
(1) U - Indicates compound/analyte was analyzed for but not detected, the associated value is the sample reporting limit.
(2) J - Indicates an estimated value.
(3) WT ~ NE - Water Table Not Encountered.
(4) -- Toxicity criteria not available for exposure route.

Table 6 (Continued)
Tier 1 Screening: Soil Ingestion Exposure Route
Construction Worker
A Portion of Willow Street Station

Compound/Analyte	Tier 1 Screening Level (mg/kg)	Sample Location and Depth (feet below ground surface)/Concentration			
		SP07-002 7-8	SP07-003 9-11	SP08-001 2-3	SP08-002 6-7
		WT ~ NE	WT ~ NE	WT ~ NE	WT ~ NE
TCL Volatiles (mg/kg)					
Acetone	200,000	0.16	0.039 U	0.093 U	0.054
Benzene	2,300	0.02 U	0.0078 U	0.036	0.01 U
Bromodichloromethane	2,000	0.02 U	0.0078 U	0.019 U	0.01 U
Bromoform	16,000	0.02 U	0.0078 U	0.019 U	0.01 U
Bromomethane	1,000	0.039 U	0.016 U	0.037 U	0.02 U
2-Butanone	--	0.075	0.016 U	0.049	0.033
Carbon Disulfide	20,000	0.02 U	0.0078 U	0.019 U	0.01 U
Carbon Tetrachloride	410	0.02 U	0.0078 U	0.019 U	0.01 U
Chlorobenzene	4,100	0.02 U	0.0078 U	0.019 U	0.01 U
Chloroethane	--	0.039 U	0.016 U	0.037 U	0.02 U
Chloroform	2,000	0.02 U	0.0078 U	0.019 U	0.01 U
Chloromethane	--	0.02 U	0.0078 U	0.019 U	0.01 U
Dibromochloromethane	41,000	0.02 U	0.0078 U	0.019 U	0.01 U
1,1-Dichloroethane	200,000	0.02 U	0.0078 U	0.019 U	0.01 U
1,2-Dichloroethane	1,400	0.02 U	0.0078 U	0.019 U	0.01 U
1,1-Dichloroethene	1,800	0.02 U	0.0078 U	0.019 U	0.01 U
cis-1,2-Dichloroethene	20,000	0.02 U	0.0078 U	0.019 U	0.01 U
trans-1,2-Dichloroethene	41,000	0.02 U	0.0078 U	0.019 U	0.01 U
1,2-Dichloropropane	1,800	0.02 U	0.0078 U	0.019 U	0.01 U
cis-1,3-Dichloropropene	1,200	0.02 U	0.0078 U	0.019 U	0.01 U
trans-1,3-Dichloropropene	1,200	0.02 U	0.0078 U	0.019 U	0.01 U
Ethylbenzene	20,000	0.02 U	0.0078 U	0.11	0.01 U
2-Hexanone	--	0.039 U	0.016 U	0.037 U	0.02 U
4-Methyl-2-Pentanone	--	0.039 U	0.016 U	0.037 U	0.02 U
Methylene Chloride	12,000	0.039 U	0.016 U	0.037 U	0.02 U
Styrene	41,000	0.02 U	0.0078 U	0.019 U	0.01 U
1,1,2,2-Tetrachloroethane	--	0.02 U	0.0078 U	0.019 U	0.01 U
Tetrachloroethene	2,400	0.02 U	0.0078 U	0.019 U	0.01 U
Toluene	410,000	0.02 U	0.0078 U	0.028	0.01 U
1,1,1-Trichloroethane	--	0.02 U	0.0078 U	0.019 U	0.01 U
1,1,2-Trichloroethane	8,200	0.02 U	0.0078 U	0.019 U	0.01 U
Trichloroethene	1,200	0.02 U	0.0078 U	0.019 U	0.01 U
Vinyl Chloride	170	0.02 U	0.0078 U	0.019 U	0.01 U
m,p-Xylene	410,000	0.02 U	0.0078 U	0.065	0.01 U
o-Xylene	410,000	0.02 U	0.0078 U	0.044	0.01 U

Notes:
(1) U - Indicates compound/analyte was analyzed for but not detected, the associated value is the sample reporting limit.
(2) WT ~ NE - Water Table Not Encountered.
(3) -- Toxicity criteria not available for exposure route.

Table 6 (Continued)
Tier 1 Screening: Soil Ingestion Exposure Route
Construction Worker
A Portion of Willow Street Station

Compound/Analyte	Tier 1 Screening Level (mg/kg)	Sample Location and Depth (feet below ground surface)/Concentration			
		SP07-002 7-8	SP07-003 9-11	SP08-001 2-3	SP08-002 6-7
		WT ~ NE	WT ~ NE	WT ~ NE	WT ~ NE
TCL Semivolatiles (mg/kg)					
Bis(2-chloroethoxy)methane	--	0.43 U	0.4 U	20 U	0.45 U
Bis(2-chloroethyl)ether	75	0.43 U	0.4 U	20 U	0.45 U
Bis(2-ethylhexyl)phthalate	4,100	0.43 U	0.4 U	20 U	0.45 U
4-Bromophenyl phenyl ether	--	0.43 U	0.4 U	20 U	0.45 U
Butyl benzyl phthalate	410,000	0.43 U	0.4 U	20 U	0.45 U
Carbazole	6,200	0.48	0.4 U	20 U	0.45 U
4-Chloro-3-methylphenol	--	0.43 U	0.4 U	20 U	0.45 U
4-Chloroaniline	820	0.43 U	0.4 U	20 U	0.45 U
2-Chloronaphthalene	--	0.43 U	0.4 U	20 U	0.45 U
2-Chlorophenol	10,000	0.43 U	0.4 U	20 U	0.45 U
4-Chlorophenyl phenyl ether	--	0.43 U	0.4 U	20 U	0.45 U
Dibenzofuran	--	0.43 U	0.4 U	20 U	0.45 U
1,2-Dichlorobenzene	18,000	0.43 U	0.4 U	20 U	0.45 U
1,3-Dichlorobenzene	--	0.43 U	0.4 U	20 U	0.45 U
1,4-Dichlorobenzene	--	0.43 U	0.4 U	20 U	0.45 U
3,3´-Dichlorobenzidine	280	0.87 U	0.8 U	40 U	0.9 U
2,4-Dichlorophenol	610	0.43 U	0.4 U	20 U	0.45 U
Diethyl phthalate	1,000,000	0.43 U	0.4 U	20 U	0.45 U
Dimethyl phthalate	--	0.43 U	0.4 U	20 U	0.45 U
Di-n-butyl phthalate	200,000	0.43 U	0.4 U	20 U	0.45 U
2,4-Dimethylphenol	41,000	0.43 U	0.4 U	20 U	0.45 U
4,6-Dinitro-2-methylphenol	--	2.1 U	1.9 U	98 U	2.2 U
2,4-Dinitrophenol	410	2.1 U	1.9 U	98 U	2.2 U
2,4-Dinitrotoluene	180	0.33 U	0.3 U	15 U	0.34 U
2,6-Dinitrotoluene	180	0.33 U	0.3 U	15 U	0.34 U
Di-n-octyl phthalate	4,100	0.43 U	0.4 U	20 U	0.45 U
Hexachlorobenzene	78	0.43 U	0.4 U	20 U	0.45 U
Hexachlorobutadiene	--	0.43 U	0.4 U	20 U	0.45 U
Hexachlorocyclopentadiene	14,000	0.43 U	0.4 U	20 U	0.45 U
Hexachloroethane	2,000	0.43 U	0.4 U	20 U	0.45 U
Isophorone	410,000	0.43 U	0.4 U	20 U	0.45 U
2-Methylnaphthalene	--	0.43 U	0.4 U	20 U	0.45 U
2-Methylphenol	100,000	0.43 U	0.4 U	20 U	0.45 U
4-Methylphenol	--	0.43 U	0.4 U	20 U	0.45 U
2-Nitroaniline	--	2.1 U	1.9 U	98 U	2.2 U
3-Nitroaniline	--	2.1 U	1.9 U	98 U	2.2 U
4-Nitroaniline	--	2.1 U	1.9 U	98 U	2.2 U
Nitrobenzene	1,000	0.43 U	0.4 U	20 U	0.45 U
2-Nitrophenol	--	2.1 U	1.9 U	98 U	2.2 U
4-Nitrophenol	--	2.1 U	1.9 U	98 U	2.2 U
N-Nitrosodi-n-propylamine	18	0.43 U	0.4 U	20 U	0.45 U
N-Nitrosodiphenylamine	25,000	0.43 U	0.4 U	20 U	0.45 U
2,2'-oxybis(1-Chloropropane)	--	0.43 U	0.4 U	20 U	0.45 U
Pentachlorophenol	520	2.1 U	1.9 U	98 U	2.2 U
Phenol	120,000	0.43 U	0.4 U	20 U	0.45 U
1,2,4-Trichlorobenzene	2,000	0.43 U	0.4 U	20 U	0.45 U
2,4,5-Trichlorophenol	200,000	0.87 U	0.8 U	40 U	0.9 U
2,4,6-Trichlorophenol	11,000	0.43 U	0.4 U	20 U	0.45 U

Notes:
(1) U - Indicates compound/analyte was analyzed for but not detected, the associated value is the sample reporting limit.
(2) WT ~ NE - Water Table Not Encountered.
(3) -- Toxicity criteria not available for exposure route.

Table 6 (Continued)
Tier 1 Screening: Soil Ingestion Exposure Route
Construction Worker
A Portion of Willow Street Station

Compound/Analyte	Tier 1 Screening Level (mg/kg)	Sample Location and Depth (feet below ground surface)/Concentration			
		SP07-002 7-8	SP07-003 9-11	SP08-001 2-3	SP08-002 6-7
		WT ~ NE	WT ~ NE	WT ~ NE	WT ~ NE
PAHs (mg/kg)					
Acenaphthene	120,000	0.2	0.03 U	1.5 U	0.034 U
Acenaphthylene	--	0.073	0.03 U	45	0.034 U
Anthracene	610,000	1.5	0.03 U	13	0.034
Benzo(a)anthracene	170	4.3	0.03 U	85	0.1
Benzo(b)fluoranthene	170	3.7	0.03 U	140	0.11
Benzo(k)fluoranthene	1,700	3.4	0.03 U	110	0.1
Benzo(g,h,i)perylene	--	0.9	0.03 U	64	0.051
Benzo(a)pyrene	17	3.8	0.03 U	43	0.11
Chrysene	17,000	4.3	0.03 U	140	0.12
Dibenzo(a,h)anthracene	17	0.42	0.03 U	31	0.034 U
Fluoranthene	82,000	11	0.03 U	43	0.082
Fluorene	82,000	0.21	0.03 U	8.9	0.034 U
Indeno(1,2,3-cd)pyrene	170	1	0.03 U	57	0.05
Naphthalene	4,100	0.033 U	0.03 U	1.9	0.11
Phenanthrene	--	2.8	0.03 U	3.7	0.074
Pyrene	61,000	9.4	0.03 U	82	0.18
PCBs (mg/kg)					
Aroclor 1016	1	0.1 U	0.095 U	1.1 U	0.11 U
Aroclor 1221	1	0.1 U	0.095 U	1.1 U	0.11 U
Aroclor 1232	1	0.1 U	0.095 U	1.1 U	0.11 U
Aroclor 1242	1	0.1 U	0.095 U	1.1 U	0.11 U
Aroclor 1248	1	0.1 U	0.095 U	1.1 U	0.11 U
Aroclor 1254	1	0.21 U	0.19 U	2.2 U	0.23 U
Aroclor 1260	1	0.21 U	0.19 U	2.2 U	0.23 U
Priority Pollutant Metals and Total Cyanide (mg/kg)					
Antimony	82	1.2 UJ	1.2 UJ	1.7 J	1.4 UJ
Arsenic	61	6	8.5	36	4.6
Beryllium	410	0.62 U	0.58 U	0.71 U	0.71 U
Cadmium	200	0.62 U	0.58 U	0.71 U	0.71 U
Chromium	4,100	17	18	15	16
Copper	8,200	41 J	28 J	100 J	38 J
Lead	400	37	16	280 J	32
Mercury	61	0.8	0.029 U	0.5	0.081
Nickel	4,100	20	33	15 J	21
Selenium	1,000	1.2 U	1.2 U	1.4 U	1.4 U
Silver	1,000	1.2 U	1.2 U	1.4 U	1.4 U
Thallium	160	1.2 U	1.2 U	1.4 U	1.4 U
Zinc	61,000	81 J	43 J	72	79 J
Total Cyanide	4,100	0.33 U	0.3 U	0.84	0.36 U

Notes:
(1) U - Indicates compound/analyte was analyzed for but not detected, the associated value is the sample reporting limit.
(2) J - Indicates an estimated value.
(3) Shaded values exceeded Tier 1 screening level.
(4) -- Toxicity criteria not available for exposure route.
(5) WT ~ NE - Water Table Not Encountered.

Table 6 (Continued)
Tier 1 Screening: Soil Ingestion Exposure Route
Construction Worker
A Portion of Willow Street Station

Compound/Analyte	Tier 1 Screening Level (mg/kg)	Sample Location and Depth (feet below ground surface)/Concentration			
		SP09-001 2-3	SP09-002 6-7	SP10-001 1-2	SP10-002 7-8
		WT ~ NE	WT ~ NE	WT ~ NE	WT ~ NE
TCL Volatiles (mg/kg)					
Acetone	200,000	0.028 U	0.04 U	0.076	0.066
Benzene	2,300	0.0057 U	0.008 U	0.0088 U	0.0082 U
Bromodichloromethane	2,000	0.0057 U	0.008 U	0.0088 U	0.0082 U
Bromoform	16,000	0.0057 U	0.008 U	0.0088 U	0.0082 U
Bromomethane	1,000	0.011 U	0.016 U	0.018 U	0.016 U
2-Butanone	--	0.011 U	0.016 U	0.028	0.023
Carbon Disulfide	20,000	0.0057 U	0.008 U	0.0088 U	0.0082 U
Carbon Tetrachloride	410	0.0057 U	0.008 U	0.0088 U	0.0082 U
Chlorobenzene	4,100	0.0057 U	0.008 U	0.0088 U	0.0082 U
Chloroethane	--	0.011 U	0.016 U	0.018 U	0.016 U
Chloroform	2,000	0.0057 U	0.008 U	0.0088 U	0.0082 U
Chloromethane	--	0.0057 U	0.008 U	0.0088 U	0.0082 U
Dibromochloromethane	41,000	0.0057 U	0.008 U	0.0088 U	0.0082 U
1,1-Dichloroethane	200,000	0.0057 U	0.008 U	0.0088 U	0.0082 U
1,2-Dichloroethane	1,400	0.0057 U	0.008 U	0.0088 U	0.0082 U
1,1-Dichloroethene	1,800	0.0057 U	0.008 U	0.0088 U	0.0082 U
cis-1,2-Dichloroethene	20,000	0.0057 U	0.008 U	0.0088 U	0.0082 U
trans-1,2-Dichloroethene	41,000	0.0057 U	0.008 U	0.0088 U	0.0082 U
1,2-Dichloropropane	1,800	0.0057 U	0.008 U	0.0088 U	0.0082 U
cis-1,3-Dichloropropene	1,200	0.0057 U	0.008 U	0.0088 U	0.0082 U
trans-1,3-Dichloropropene	1,200	0.0057 U	0.008 U	0.0088 U	0.0082 U
Ethylbenzene	20,000	0.0057 U	0.008 U	0.0088 U	0.0082 U
2-Hexanone	--	0.011 U	0.016 U	0.018 U	0.016 U
4-Methyl-2-Pentanone	--	0.011 U	0.016 U	0.018 U	0.016 U
Methylene Chloride	12,000	0.011 U	0.016 U	0.018 U	0.016 U
Styrene	41,000	0.0057 U	0.008 U	0.0088 U	0.0082 U
1,1,2,2-Tetrachloroethane	--	0.0057 U	0.008 U	0.0088 U	0.0082 U
Tetrachloroethene	2,400	0.0057 U	0.008 U	0.0088 U	0.0082 U
Toluene	410,000	0.0057 U	0.008 U	0.0088 U	0.0082 U
1,1,1-Trichloroethane	--	0.0057 U	0.008 U	0.0088 U	0.0082 U
1,1,2-Trichloroethane	8,200	0.0057 U	0.008 U	0.0088 U	0.0082 U
Trichloroethene	1,200	0.0057 U	0.008 U	0.0088 U	0.0082 U
Vinyl Chloride	170	0.0057 U	0.008 U	0.0088 U	0.0082 U
m,p-Xylene	410,000	0.0057 U	0.008 U	0.0088 U	0.0082 U
o-Xylene	410,000	0.0057 U	0.008 U	0.0088 U	0.0082 U

Notes:
(1) U - Indicates compound/analyte was analyzed for but not detected, the associated value is the sample reporting limit.
(2) WT ~ NE - Water Table Not Encountered.
(3) -- Toxicity criteria not available for exposure route.

Table 6 (Continued)
Tier 1 Screening: Soil Ingestion Exposure Route
Construction Worker
A Portion of Willow Street Station

Compound/Analyte	Tier 1 Screening Level (mg/kg)	Sample Location and Depth (feet below ground surface)/Concentration			
		SP09-001 2-3	SP09-002 6-7	SP10-001 1-2	SP10-002 7-8
		WT ~ NE	WT ~ NE	WT ~ NE	WT ~ NE
TCL Semivolatiles (mg/kg)					
Bis(2-chloroethoxy)methane	--	3.8 U	0.42 U	0.38 U	0.38 U
Bis(2-chloroethyl)ether	75	3.8 U	0.42 U	0.38 U	0.38 U
Bis(2-ethylhexyl)phthalate	4,100	3.8 U	0.42 U	0.38 U	0.38 U
4-Bromophenyl phenyl ether	--	3.8 U	0.42 U	0.38 U	0.38 U
Butyl benzyl phthalate	410,000	3.8 U	0.42 U	0.38 U	0.38 U
Carbazole	6,200	5.5	0.42 U	0.75	0.38 U
4-Chloro-3-methylphenol	--	3.8 U	0.42 U	0.38 U	0.38 U
4-Chloroaniline	820	3.8 U	0.42 U	0.38 U	0.38 U
2-Chloronaphthalene	--	3.8 U	0.42 U	0.38 U	0.38 U
2-Chlorophenol	10,000	3.8 U	0.42 U	0.38 U	0.38 U
4-Chlorophenyl phenyl ether	--	3.8 U	0.42 U	0.38 U	0.38 U
Dibenzofuran	--	3.8 U	0.42 U	0.38 U	0.38 U
1,2-Dichlorobenzene	18,000	3.8 U	0.42 U	0.38 U	0.38 U
1,3-Dichlorobenzene	--	3.8 U	0.42 U	0.38 U	0.38 U
1,4-Dichlorobenzene	--	3.8 U	0.42 U	0.38 U	0.38 U
3,3´-Dichlorobenzidine	280	7.7 U	0.84 U	0.76 U	0.76 U
2,4-Dichlorophenol	610	3.8 U	0.42 U	0.38 U	0.38 U
Diethyl phthalate	1,000,000	3.8 U	0.42 U	0.38 U	0.38 U
Dimethyl phthalate	--	3.8 U	0.42 U	0.38 U	0.38 U
Di-n-butyl phthalate	200,000	3.8 U	0.42 U	0.38 U	0.38 U
2,4-Dimethylphenol	41,000	3.8 U	0.42 U	0.38 U	0.38 U
4,6-Dinitro-2-methylphenol	--	19 U	2 U	1.8 U	1.8 U
2,4-Dinitrophenol	410	19 U	2 U	1.8 U	1.8 U
2,4-Dinitrotoluene	180	2.9 U	0.32 U	0.29 U	0.29 U
2,6-Dinitrotoluene	180	2.9 U	0.32 U	0.29 U	0.29 U
Di-n-octyl phthalate	4,100	3.8 U	0.42 U	0.38 U	0.38 U
Hexachlorobenzene	78	3.8 U	0.42 U	0.38 U	0.38 U
Hexachlorobutadiene	--	3.8 U	0.42 U	0.38 U	0.38 U
Hexachlorocyclopentadiene	14,000	3.8 U	0.42 U	0.38 U	0.38 U
Hexachloroethane	2,000	3.8 U	0.42 U	0.38 U	0.38 U
Isophorone	410,000	3.8 U	0.42 U	0.38 U	0.38 U
2-Methylnaphthalene	--	3.8 U	0.42 U	0.38 U	0.38 U
2-Methylphenol	100,000	3.8 U	0.42 U	0.38 U	0.38 U
4-Methylphenol	--	3.8 U	0.42 U	0.38 U	0.38 U
2-Nitroaniline	--	19 U	2 U	1.8 U	1.8 U
3-Nitroaniline	--	19 U	2 U	1.8 U	1.8 U
4-Nitroaniline	--	19 U	2 U	1.8 U	1.8 U
Nitrobenzene	1,000	3.8 U	0.42 U	0.38 U	0.38 U
2-Nitrophenol	--	19 U	2 U	1.8 U	1.8 U
4-Nitrophenol	--	19 U	2 U	1.8 U	1.8 U
N-Nitrosodi-n-propylamine	18	3.8 U	0.42 U	0.38 U	0.38 U
N-Nitrosodiphenylamine	25,000	3.8 U	0.42 U	0.38 U	0.38 U
2,2'-oxybis(1-Chloropropane)	--	3.8 U	0.42 U	0.38 U	0.38 U
Pentachlorophenol	520	19 U	2 U	1.8 U	1.8 U
Phenol	120,000	3.8 U	0.42 U	0.38 U	0.38 U
1,2,4-Trichlorobenzene	2,000	3.8 U	0.42 U	0.38 U	0.38 U
2,4,5-Trichlorophenol	200,000	7.7 U	0.84 U	0.76 U	0.76 U
2,4,6-Trichlorophenol	11,000	3.8 U	0.42 U	0.38 U	0.38 U

Notes:
(1) U - Indicates compound/analyte was analyzed for but not detected, the associated value is the sample reporting limit.
(2) WT ~ NE - Water Table Not Encountered.
(3) -- Toxicity criteria not available for exposure route.

Table 6 (Continued)
Tier 1 Screening: Soil Ingestion Exposure Route
Construction Worker
A Portion of Willow Street Station

Compound/Analyte	Tier 1 Screening Level (mg/kg)	Sample Location and Depth (feet below ground surface)/Concentration			
		SP09-001 2-3	SP09-002 6-7	SP10-001 1-2	SP10-002 7-8
		WT ~ NE	WT ~ NE	WT ~ NE	WT ~ NE
PAHs (mg/kg)					
Acenaphthene	120,000	3	0.11	0.16	0.029 U
Acenaphthylene	--	2.3	0.032 U	0.082	0.029 U
Anthracene	610,000	13	0.032 U	0.85	0.029 U
Benzo(a)anthracene	170	36	0.032 U	2.3	0.07
Benzo(b)fluoranthene	170	37	0.032 U	2.7	0.09
Benzo(k)fluoranthene	1,700	28	0.032 U	2.1	0.081
Benzo(g,h,i)perylene	--	18	0.032 U	1.7	0.1
Benzo(a)pyrene	17	37	0.034	2.2	0.14
Chrysene	17,000	35	0.032 U	2.5	0.082
Dibenzo(a,h)anthracene	17	7.7	0.032 U	0.81	0.029 U
Fluoranthene	82,000	52	0.037	4.6	0.096
Fluorene	82,000	2.9	0.07	0.23	0.029 U
Indeno(1,2,3-cd)pyrene	170	18	0.032 U	1.5	0.065
Naphthalene	4,100	0.41	0.11	0.36	0.029 U
Phenanthrene	--	29	0.066	2.9	0.029 U
Pyrene	61,000	47	0.051	3.7	0.17
PCBs (mg/kg)					
Aroclor 1016	1	0.92 U	0.1 U	0.091 U	0.096 U
Aroclor 1221	1	0.92 U	0.1 U	0.091 U	0.096 U
Aroclor 1232	1	0.92 U	0.1 U	0.091 U	0.096 U
Aroclor 1242	1	0.92 U	0.1 U	0.091 U	0.096 U
Aroclor 1248	1	0.92 U	0.1 U	0.091 U	0.096 U
Aroclor 1254	1	1.8 U	0.2 U	0.18 U	0.19 U
Aroclor 1260	1	1.8 U	0.2 U	0.18 U	0.19 U
Priority Pollutant Metals and Total Cyanide (mg/kg)					
Antimony	82	1.2 UJ	1.2 UJ	1.7 J	1.2 UJ
Arsenic	61	11	5.4	9.6	15
Beryllium	410	0.6 U	0.7	0.9	0.88
Cadmium	200	1.3	0.61 U	1.1	0.61 U
Chromium	4,100	16	16	19	22
Copper	8,200	58 J	20 J	190 J	32 J
Lead	400	250 J	20	450 J	21
Mercury	61	2.2	0.059	0.22	0.037
Nickel	4,100	22 J	19	23 J	39
Selenium	1,000	1.2 U	1.2 U	1.1 U	1.2 U
Silver	1,000	1.2 U	1.2 U	1.1 U	1.2 U
Thallium	160	1.2 U	1.8	1.3	1.8
Zinc	61,000	370	54 J	390	56 J
Total Cyanide	4,100	1.8	0.33 U	0.3 U	1

Notes:
(1) U - Indicates compound/analyte was analyzed for but not detected, the associated value is the sample reporting limit.
(2) J - Indicates an estimated value.
(3) Shaded values exceeded Tier 1 screening level.
(4) -- Toxicity criteria not available for exposure route.
(5) WT ~ NE - Water Table Not Encountered.

Table 6 (Continued)
Tier 1 Screening: Soil Ingestion Exposure Route
Construction Worker
A Portion of Willow Street Station

Compound/Analyte	Tier 1 Screening Level (mg/kg)	Sample Location and Depth (feet below ground surface)/Concentration				
		SP11-001 2-3	SP11-002 9-10	SP11-003 15-16	SP12-001 1-3	SP12-002 7-8
		WT ~ NE	WT ~ NE	WT ~ NE	WT ~ NE	WT ~ NE
TCL Volatiles (mg/kg)						
Acetone	200,000	0.03 U	0.037 U	0.03 U	0.042 U	0.12
Benzene	2,300	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.12
Bromodichloromethane	2,000	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.017 U
Bromoform	16,000	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.017 U
Bromomethane	1,000	0.012 U	0.015 U	0.012 U	0.017 U	0.034 U
2-Butanone	--	0.012 U	0.015 U	0.012 U	0.017 U	0.039
Carbon Disulfide	20,000	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.017 U
Carbon Tetrachloride	410	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.017 U
Chlorobenzene	4,100	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.017 U
Chloroethane	--	0.012 U	0.015 U	0.012 U	0.017 U	0.034 U
Chloroform	2,000	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.017 U
Chloromethane	--	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.017 U
Dibromochloromethane	41,000	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.017 U
1,1-Dichloroethane	200,000	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.017 U
1,2-Dichloroethane	1,400	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.017 U
1,1-Dichloroethene	1,800	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.017 U
cis-1,2-Dichloroethene	20,000	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.017 U
trans-1,2-Dichloroethene	41,000	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.017 U
1,2-Dichloropropane	1,800	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.017 U
cis-1,3-Dichloropropene	1,200	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.017 U
trans-1,3-Dichloropropene	1,200	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.017 U
Ethylbenzene	20,000	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.25
2-Hexanone	--	0.012 U	0.015 U	0.012 U	0.017 U	0.034 U
4-Methyl-2-Pentanone	--	0.012 U	0.015 U	0.012 U	0.017 U	0.034 U
Methylene Chloride	12,000	0.012 U	0.015 U	0.012 U	0.017 U	0.034 U
Styrene	41,000	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.017 U
1,1,2,2-Tetrachloroethane	--	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.017 U
Tetrachloroethene	2,400	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.017 U
Toluene	410,000	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.075
1,1,1-Trichloroethane	--	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.017 U
1,1,2-Trichloroethane	8,200	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.017 U
Trichloroethene	1,200	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.017 U
Vinyl Chloride	170	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.017 U
m,p-Xylene	410,000	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.086
o-Xylene	410,000	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.047

Notes:
(1) U - Indicates compound/analyte was analyzed for but not detected, the associated value is the sample reporting limit.
(2) WT ~ NE - Water Table Not Encountered.
(3) -- Toxicity criteria not available for exposure route.

Table 6 (Continued)
Tier 1 Screening: Soil Ingestion Exposure Route
Construction Worker
A Portion of Willow Street Station

Compound/Analyte	Tier 1 Screening Level (mg/kg)	Sample Location and Depth (feet below ground surface)/Concentration				
		SP11-001 2-3	SP11-002 9-10	SP11-003 15-16	SP12-001 1-3	SP12-002 7-8
		WT ~ NE	WT ~ NE	WT ~ NE	WT ~ NE	WT ~ NE
TCL Semivolatiles (mg/kg)						
Bis(2-chloroethoxy)methane	--	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
Bis(2-chloroethyl)ether	75	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
Bis(2-ethylhexyl)phthalate	4,100	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
4-Bromophenyl phenyl ether	--	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
Butyl benzyl phthalate	410,000	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
Carbazole	6,200	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
4-Chloro-3-methylphenol	--	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
4-Chloroaniline	820	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
2-Chloronaphthalene	--	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
2-Chlorophenol	10,000	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
4-Chlorophenyl phenyl ether	--	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
Dibenzofuran	--	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
1,2-Dichlorobenzene	18,000	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
1,3-Dichlorobenzene	--	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
1,4-Dichlorobenzene	--	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
3,3´-Dichlorobenzidine	280	0.77 U	0.77 U	0.75 U	0.78 U	0.8 U
2,4-Dichlorophenol	610	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
Diethyl phthalate	1,000,000	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
Dimethyl phthalate	--	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
Di-n-butyl phthalate	200,000	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
2,4-Dimethylphenol	41,000	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
4,6-Dinitro-2-methylphenol	--	1.9 U	1.9 U	1.8 U	1.9 U	1.9 U
2,4-Dinitrophenol	410	1.9 U	1.9 U	1.8 U	1.9 U	1.9 U
2,4-Dinitrotoluene	180	0.29 U	0.29 U	0.28 U	0.3 U	0.3 U
2,6-Dinitrotoluene	180	0.29 U	0.29 U	0.28 U	0.3 U	0.3 U
Di-n-octyl phthalate	4,100	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
Hexachlorobenzene	78	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
Hexachlorobutadiene	--	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
Hexachlorocyclopentadiene	14,000	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
Hexachloroethane	2,000	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
Isophorone	410,000	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
2-Methylnaphthalene	--	0.39 U	0.38 U	0.37 U	0.45	0.4 U
2-Methylphenol	100,000	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
4-Methylphenol	--	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
2-Nitroaniline	--	1.9 U	1.9 U	1.8 U	1.9 U	1.9 U
3-Nitroaniline	--	1.9 U	1.9 U	1.8 U	1.9 U	1.9 U
4-Nitroaniline	--	1.9 U	1.9 U	1.8 U	1.9 U	1.9 U
Nitrobenzene	1,000	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
2-Nitrophenol	--	1.9 U	1.9 U	1.8 U	1.9 U	1.9 U
4-Nitrophenol	--	1.9 U	1.9 U	1.8 U	1.9 U	1.9 U
N-Nitrosodi-n-propylamine	18	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
N-Nitrosodiphenylamine	25,000	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
2,2'-oxybis(1-Chloropropane)	--	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
Pentachlorophenol	520	1.9 U	1.9 U	1.8 U	1.9 U	1.9 U
Phenol	120,000	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
1,2,4-Trichlorobenzene	2,000	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
2,4,5-Trichlorophenol	200,000	0.77 U	0.77 U	0.75 U	0.78 U	0.8 U
2,4,6-Trichlorophenol	11,000	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U

Notes:
(1) U - Indicates compound/analyte was analyzed for but not detected, the associated value is the sample reporting limit.
(2) WT ~ NE - Water Table Not Encountered.
(3) -- Toxicity criteria not available for exposure route.

Table 6 (Continued)
Tier 1 Screening: Soil Ingestion Exposure Route
Construction Worker
A Portion of Willow Street Station

Compound/Analyte	Tier 1 Screening Level (mg/kg)	Sample Location and Depth (feet below ground surface)/Concentration				
		SP11-001 2-3	SP11-002 9-10	SP11-003 15-16	SP12-001 1-3	SP12-002 7-8
		WT ~ NE	WT ~ NE	WT ~ NE	WT ~ NE	WT ~ NE
PAHs (mg/kg)						
Acenaphthene	120,000	0.029 U	0.029 U	0.028 U	0.03 U	0.099
Acenaphthylene	--	0.094	0.029 U	0.028 U	0.072	0.067
Anthracene	610,000	0.42	0.029 U	0.028 U	0.12	0.16
Benzo(a)anthracene	170	0.55	0.029 U	0.028 U	0.54	0.24
Benzo(b)fluoranthene	170	0.56	0.029 U	0.028 U	0.55	0.32
Benzo(k)fluoranthene	1,700	0.4	0.029 U	0.028 U	0.45	0.26
Benzo(g,h,i)perylene	--	0.43	0.029 U	0.028 U	0.46	0.11
Benzo(a)pyrene	17	0.44	0.029 U	0.028 U	0.61	0.33
Chrysene	17,000	0.57	0.029 U	0.028 U	0.58	0.48
Dibenzo(a,h)anthracene	17	0.088	0.029 U	0.028 U	0.067	0.04
Fluoranthene	82,000	0.82	0.029 U	0.028 U	0.85	0.87
Fluorene	82,000	0.029 U	0.029 U	0.028 U	0.03 U	0.091
Indeno(1,2,3-cd)pyrene	170	0.36	0.029 U	0.028 U	0.4	0.098
Naphthalene	4,100	0.034	0.029 U	0.037	0.24	0.13
Phenanthrene	--	0.39	0.029 U	0.043	0.53	0.41
Pyrene	61,000	0.73	0.029 U	0.028 U	0.91	1
PCBs (mg/kg)						
Aroclor 1016	1	0.093 U	0.093 U	0.092 U	0.095 U	0.098 U
Aroclor 1221	1	0.093 U	0.093 U	0.092 U	0.095 U	0.098 U
Aroclor 1232	1	0.093 U	0.093 U	0.092 U	0.095 U	0.098 U
Aroclor 1242	1	0.093 U	0.093 U	0.092 U	0.095 U	0.098 U
Aroclor 1248	1	0.093 U	0.093 U	0.092 U	0.095 U	0.098 U
Aroclor 1254	1	0.19 U	0.19 U	0.18 U	0.19 U	0.2 U
Aroclor 1260	1	0.19 U	0.19 U	0.18 U	0.19 U	0.2 U
Priority Pollutant Metals and Total Cyanide (mg/kg)						
Antimony	82	1.1 UJ	1.2 UJ	1.1 UJ	1.2 UJ	1.2 J
Arsenic	61	8.9	3.5	8.5	7.7	8.8
Beryllium	410	0.82	0.74	0.65	0.65	0.66
Cadmium	200	0.56 U	0.59 U	0.55 U	0.62	0.62 U
Chromium	4,100	21	21	18	15	15
Copper	8,200	37 J	25 J	33 J	41 J	22 J
Lead	400	130 J	15	17	88 J	80
Mercury	61	0.63	0.17	0.027 U	0.62	0.61
Nickel	4,100	33 J	30	38	27 J	21
Selenium	1,000	1.1 U	1.2 U	1.1 U	1.2 U	1.2 U
Silver	1,000	1.1 U	1.2 U	1.1 U	1.2 U	1.2 U
Thallium	160	1.6	2	3.6	1.5	1.4
Zinc	61,000	89	50 J	62 J	120	89 J
Total Cyanide	4,100	0.3 U	0.3 U	0.3 U	0.3 U	0.31 U

Notes:
(1) U - Indicates compound/analyte was analyzed for but not detected, the associated value is the sample reporting limit.
(2) J - Indicates an estimated value.
(3) WT ~ NE - Water Table Not Encountered.
(4) -- Toxicity criteria not available for exposure route.

Table 6 (Continued)
Tier 1 Screening: Soil Ingestion Exposure Route
Construction Worker
November 2000 Site Investigation
A Portion of Willow Street Station

Compound/Analyte	Tier 1 Screening Level (mg/kg)	Sample Location and Depth (feet below ground surface)/Concentration				
		SB-01 9-10	SB-02 4-6	SB-02 8-10	SB-03 9-11	SB-04 1-3
BTEX (mg/kg)						
Benzene	2,300	0.099	0.010	0.002 U	0.002 U	0.003
Ethylbenzene	20,000	0.005 U	0.005	0.005 U	0.005 U	0.005 U
Toluene	410,000	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Xylenes (total)	410,000	0.005 U	0.006	0.005 U	0.005 U	0.005 U
Phenols (mg/kg)						
2,4-Dimethylphenol	41,000	0.330 U	0.330 U	0.330 U	0.330 U	0.330 U
2-Methylphenol	100,000	0.330 U	0.330 U	0.330 U	0.330 U	0.330 U
4-Methylphenol	--	0.330 U	0.330 U	0.330 U	0.330 U	0.330 U
Phenol	120,000	0.330 U	0.330 U	0.330 U	0.330 U	0.330 U
PAHs (mg/kg)						
Acenaphthene	120,000	0.025 U	0.025 U	0.025 U	0.025 U	0.099
Acenaphthylene	--	0.025 U	0.025 U	0.031	0.025 U	0.357
Anthracene	610,000	0.025 U	0.025 U	0.025 U	0.025 U	0.239
Benzo(a)anthracene	170	0.025 U	0.028	0.097	0.025 U	0.794
Benzo(b)fluoranthene	170	0.025 U	0.031	0.096	0.025 U	0.904
Benzo(k)fluoranthene	1,700	0.025 U	0.025 U	0.053	0.025 U	0.723
Benzo(g,h,i)perylene	--	0.025 U	0.029	0.046	0.025 U	0.483
Benzo(a)pyrene	17	0.025 U	0.025 U	0.070	0.025 U	0.982
Chrysene	17,000	0.025 U	0.038	0.115	0.025 U	0.945
Dibenzo(a,h)anthracene	17	0.025 U	0.025 U	0.025 U	0.025 U	0.267
Fluoranthene	82,000	0.025 U	0.025 U	0.122	0.025 U	1.17
Fluorene	82,000	0.025 U	0.025 U	0.025 U	0.025 U	0.088
Naphthalene	4,100	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Phenanthrene	--	0.025 U	0.025 U	0.047	0.025 U	0.679
Pyrene	61,000	0.025 U	0.033	0.208	0.025 U	1.23
Dibenzofuran	--	0.025 U	0.025 U	0.025 U	0.025 U	0.054
2-Methylnaphthalene	--	0.025 U	0.025 U	0.025 U	0.025 U	0.029
Metals and Total Cyanide (mg/kg)						
Arsenic	61	1.29	0.958	0.209	0.467	0.157
Barium	14,000	19.6	14.9	21.8	28.6	5.10
Cadmium	200	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Chromium	4,100	3.87	2.69	2.35	2.32	8.62
Copper	8,200	12.5	2.93	8.00	9.13	39.2
Iron	--	3400	3520	2270	4030	8310
Lead	400	37.3	30.1	6.26	8.34	39.2
Manganese	9,600	134	164	186	181	33.5
Mercury	61	0.040 U	2.22	0.040 U	0.040 U	0.389
Nickel	4,100	9.66	2.05	9.07	9.89	4.47
Selenium	1,000	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
Silver	1,000	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Zinc	61,000	19.1	12.2	10.0	13.4	23.4
Total Cyanide	4,100	0.180	0.360	0.440	0.100 U	3.17

Note:
(1) U - Indicates compound/analyte was analyzed for but not detected, the associated value is the sample reporting limit.
(2) -- Toxicity criteria not available for exposure route.

Table 6 (Continued)
Tier 1 Screening: Soil Ingestion Exposure Route
Construction Worker
November 2000 Site Investigation
A Portion of Willow Street Station

Compound/Analyte	Tier 1 Screening Level (mg/kg)	Sample Location and Depth (feet below ground surface)/Concentration				
		SB-04 7-9	SB-05 1-3	SB-05 7-9	SB-06 1-3	SB-06 7-9
BTEX (mg/kg)						
Benzene	2,300	0.002 U	0.004	3.80	0.009	2.80
Ethylbenzene	20,000	0.005 U	0.005 U	0.126	0.005	3.98
Toluene	410,000	0.005 U	0.005 U	0.015	0.005 U	0.045
Xylenes (total)	410,000	0.005 U	0.005 U	0.333	0.005 U	0.670
Phenols (mg/kg)						
2,4-Dimethylphenol	41,000	0.330 U	0.330 U	0.330 U	0.330 U	0.330 U
2-Methylphenol	100,000	0.330 U	0.330 U	0.330 U	0.330 U	0.330 U
4-Methylphenol	--	0.330 U	0.330 U	0.330 U	0.330 U	0.330 U
Phenol	120,000	0.330 U	0.330 U	0.330 U	0.330 U	0.330 U
PAHs (mg/kg)						
Acenaphthene	120,000	0.356	0.088	2.56	0.116	1.48
Acenaphthylene	--	2.11	1.05	0.979	0.295	0.829
Anthracene	610,000	1.95	0.516	4.03	0.271	2.56
Benzo(a)anthracene	170	4.71	2.69	5.06	1.24	2.46
Benzo(b)fluoranthene	170	3.41	3.23	3.24	0.341	1.50
Benzo(k)fluoranthene	1,700	2.38	2.05	2.85	0.410	1.57
Benzo(g,h,i)perylene	--	1.93	2.36	3.11	0.606	1.57
Benzo(a)pyrene	17	4.53	4.13	5.60	0.433	2.75
Chrysene	17,000	5.35	2.87	4.68	1.45	2.62
Dibenzo(a,h)anthracene	17	0.931	0.317	0.469	0.328	0.328
Fluoranthene	82,000	6.89	4.67	11.9	1.89	4.64
Fluorene	82,000	0.705	0.172	2.42	0.033	1.28
Naphthalene	4,100	0.127	0.122	6.74	0.368	25.7
Phenanthrene	--	3.48	1.59	15.9	1.24	7.21
Pyrene	61,000	10.3	6.63	15.7	2.24	6.41
Dibenzofuran	--	0.249	0.054	0.105	0.113	0.063
2-Methylnaphthalene	--	0.041	0.068	0.291	0.217	1.81
Metals and Total Cyanide (mg/kg)						
Arsenic	61	0.484	0.486	1.97	0.294	0.962
Barium	14,000	26.6	30.0	29.4	22.3	25.3
Cadmium	200	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Chromium	4,100	3.00	4.71	5.41	6.70	4.39
Copper	8,200	14.2	23.5	22.5	13.1	15.9
Iron	--	5300	3710	5930	24800	5270
Lead	400	14.5	208	39.9	19.4	30.2
Manganese	9,600	991	147	266	531	228
Mercury	61	0.268	0.465	0.188	0.199	0.124
Nickel	4,100	13.5	6.75	13.0	5.23	9.03
Selenium	1,000	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
Silver	1,000	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Zinc	61,000	17.4	62.9	53.1	17.0	28.4
Total Cyanide	4,100	4.67	1.58	0.100 U	2.46	1.09

Note:
(1) U - Indicates compound/analyte was analyzed for but not detected, the associated value is the sample reporting limit.
(2) -- Toxicity criteria not available for exposure route.

Table 6 (Continued)
Tier 1 Screening: Soil Ingestion Exposure Route
Construction Worker
November 2000 Site Investigation
A Portion of Willow Street Station

Compound/Analyte	Tier 1 Screening Level (mg/kg)	Sample Location and Depth (feet below ground surface)/Concentration			
		SB-07 3-5	SB-07 8-9	SB-08 1-3	SB-08 7-8
BTEX (mg/kg)					
Benzene	2,300	0.006	0.061	0.007	0.002 U
Ethylbenzene	20,000	0.005 U	0.022	0.005 U	0.005 U
Toluene	410,000	0.005 U	0.045	0.005 U	0.005 U
Xylenes (total)	410,000	0.005 U	0.135	0.005 U	0.005 U
Phenols (mg/kg)					
2,4-Dimethylphenol	41,000	0.330 U	0.330 U	0.330 U	0.330 U
2-Methylphenol	100,000	0.330 U	0.330 U	0.330 U	0.330 U
4-Methylphenol	--	0.330 U	0.330 U	0.330 U	0.330 U
Phenol	120,000	0.330 U	0.330 U	0.330 U	0.330 U
PAHs (mg/kg)					
Acenaphthene	120,000	0.027	0.321	0.138	0.025 U
Acenaphthylene	--	0.589	0.459	1.66	0.049
Anthracene	610,000	0.166	0.742	0.336	0.025 U
Benzo(a)anthracene	170	0.816	2.02	1.35	0.082
Benzo(b)fluoranthene	170	0.411	0.414	1.07	0.025 U
Benzo(k)fluoranthene	1,700	0.331	0.744	0.882	0.037
Benzo(g,h,i)perylene	--	0.266	0.469	0.963	0.029
Benzo(a)pyrene	17	0.445	1.86	0.621	0.035
Chrysene	17,000	0.853	1.93	1.77	0.097
Dibenzo(a,h)anthracene	17	0.161	0.256	0.482	0.025 U
Fluoranthene	82,000	0.560	2.93	1.00	0.047
Fluorene	82,000	0.161	0.775	0.148	0.025 U
Naphthalene	4,100	0.069	0.570	1.40	0.025 U
Phenanthrene	--	0.194	2.34	0.310	0.025 U
Pyrene	61,000	0.955	4.12	1.68	0.080
Dibenzofuran	--	0.048	0.089	0.144	0.025 U
2-Methylnaphthalene	--	0.090	0.139	0.253	0.025 U
Metals and Total Cyanide (mg/kg)					
Arsenic	61	1.99	3.58	1.58	0.230
Barium	14,000	26.6	31.0	38.4	16.2
Cadmium	200	0.500 U	0.500 U	2.31	0.500 U
Chromium	4,100	3.26	3.87	10.9	2.32
Copper	8,200	28.1	26.8	50.2	17.6
Iron	--	6000	7520	8400	3060
Lead	400	93.1	65.6	1210	16.0
Manganese	9,600	253	184	211	245
Mercury	61	0.296	0.499	1.23	0.691
Nickel	4,100	8.80	10.5	9.31	8.51
Selenium	1,000	1.00 U	1.00 U	1.00 U	1.00 U
Silver	1,000	0.500 U	0.500 U	0.500 U	0.500 U
Zinc	61,000	59.3	58.9	254	13.0
Total Cyanide	4,100	3.17	1.10	6.79	2.12

Note:
(1) U - Indicates compound/analyte was analyzed for but not detected, the associated value is the sample reporting limit.
(2) -- Toxicity criteria not available for exposure route.
(3) Shaded values exceeded Tier 1 screening level.

Table 7
Tier 1 Screening: Soil Inhalation Exposure Route
Industrial/Commercial Worker
A Portion of Willow Street Station

Compound/Analyte	Tier 1 Screening Level (mg/kg)	Sample Location and Depth (feet below ground surface)/Concentration			
		SP02-001 7-8	SP05-002 6-8	SP06B-001 1-3	SP06B-002 9-11
		WT ~ NE	WT ~ NE	WT ~ NE	WT ~ NE
TCL Volatiles (mg/kg)					
Acetone	100,000	0.086 U	0.042 U	0.053 U	0.073
Benzene	1.6	10	0.0083 U	0.017	0.045
Bromodichloromethane	3,000	0.017 U	0.0083 U	0.011 U	0.012 U
Bromoform	100	0.017 U	0.0083 U	0.011 U	0.012 U
Bromomethane	15	0.034 U	0.017 U	0.021 U	0.024 U
2-Butanone	--	0.034 U	0.017 U	0.021 U	0.024 U
Carbon Disulfide	720	0.017 U	0.0083 U	0.011 U	0.012 U
Carbon Tetrachloride	0.640	0.017 U	0.0083 U	0.011 U	0.012 U
Chlorobenzene	210	0.017 U	0.0083 U	0.011 U	0.012 U
Chloroethane	--	0.034 U	0.017 U	0.021 U	0.024 U
Chloroform	0.54	0.017 U	0.0083 U	0.011 U	0.012 U
Chloromethane	--	0.017 U	0.0083 U	0.011 U	0.012 U
Dibromochloromethane	1,300	0.017 U	0.0083 U	0.011 U	0.012 U
1,1-Dichloroethane	1,700	0.017 U	0.0083 U	0.011 U	0.012 U
1,2-Dichloroethane	0.70	0.017 U	0.0083 U	0.011 U	0.012 U
1,1-Dichloroethene	1,500	0.017 U	0.0083 U	0.011 U	0.012 U
cis-1,2-Dichloroethene	1,200	0.017 U	0.0083 U	0.011 U	0.012 U
trans-1,2-Dichloroethene	3,100	0.017 U	0.0083 U	0.011 U	0.012 U
1,2-Dichloropropane	23	0.017 U	0.0083 U	0.011 U	0.012 U
cis-1,3-Dichloropropene	2.1	0.017 U	0.0083 U	0.011 U	0.012 U
trans-1,3-Dichloropropene	2.1	0.017 U	0.0083 U	0.011 U	0.012 U
Ethylbenzene	400	0.091	0.0083 U	0.011 U	0.012 U
2-Hexanone	--	0.034 U	0.017 U	0.021 U	0.024 U
4-Methyl-2-Pentanone	--	0.034 U	0.017 U	0.021 U	0.024 U
Methylene Chloride	24	0.034 U	0.017 U	0.021 U	0.024 U
Styrene	1,500	0.017 U	0.0083 U	0.011 U	0.012 U
1,1,2,2-Tetrachloroethane	--	0.017 U	0.0083 U	0.011 U	0.012 U
Tetrachloroethene	20	0.017 U	0.0083 U	0.011 U	0.012 U
Toluene	650	0.028	0.0083 U	0.014	0.012 U
1,1,1-Trichloroethane	1,200	0.017 U	0.0083 U	0.011 U	0.012 U
1,1,2-Trichloroethane	1,800	0.017 U	0.0083 U	0.011 U	0.012 U
Trichloroethene	8.9	0.017 U	0.0083 U	0.011 U	0.012 U
Vinyl Chloride	1.1	0.017 U	0.0083 U	0.011 U	0.012 U
m,p-Xylene	320	0.21	0.0083 U	0.011 U	0.012 U
o-Xylene	320	0.065	0.0083 U	0.011 U	0.012 U

Notes:
(1) U - Indicates compound/analyte was analyzed for but not detected, the associated value is the sample reporting limit.
(2) WT ~ NE - Water Table Not Encountered.
(3) Shaded values exceeded Tier 1 screening level.
(4) -- Toxicity criteria not available for exposure route.

Table 7 (Continued)
Tier 1 Screening: Soil Inhalation Exposure Route
Industrial/Commercial Worker
A Portion of Willow Street Station

Compound/Analyte	Tier 1 Screening Level (mg/kg)	Sample Location and Depth (feet below ground surface)/Concentration			
		SP02-001 7-8	SP05-002 6-8	SP06B-001 1-3	SP06B-002 9-11
		WT ~ NE	WT ~ NE	WT ~ NE	WT ~ NE
TCL Semivolatiles (mg/kg)					
Bis(2-chloroethoxy)methane	--	0.39 U	0.39 U	0.44 U	0.4 U
Bis(2-chloroethyl)ether	0.47	0.39 U	0.39 U	0.44 U	0.4 U
Bis(2-ethylhexyl)phthalate	31,000	0.39 U	0.39 U	0.44 U	0.4 U
4-Bromophenyl phenyl ether	--	0.39 U	0.39 U	0.44 U	0.4 U
Butyl benzyl phthalate	930	0.39 U	0.39 U	0.44 U	0.4 U
Carbazole	--	0.39 U	0.64	0.44 U	0.4 U
4-Chloro-3-methylphenol	--	0.39 U	0.39 U	0.44 U	0.4 U
4-Chloroaniline	--	0.39 U	0.39 U	0.44 U	0.4 U
2-Chloronaphthalene	--	0.39 U	0.39 U	0.44 U	0.4 U
2-Chlorophenol	53,000	0.39 U	0.39 U	0.44 U	0.4 U
4-Chlorophenyl phenyl ether	--	0.39 U	0.39 U	0.44 U	0.4 U
Dibenzofuran	--	0.39 U	0.39 U	0.44 U	0.4 U
1,2-Dichlorobenzene	560	0.39 U	0.39 U	0.44 U	0.4 U
1,3-Dichlorobenzene	--	0.39 U	0.39 U	0.44 U	0.4 U
1,4-Dichlorobenzene	17,000	0.39 U	0.39 U	0.44 U	0.4 U
3,3´-Dichlorobenzidine	--	0.79 U	0.79 U	0.88 U	0.81 U
2,4-Dichlorophenol	--	0.39 U	0.39 U	0.44 U	0.4 U
Diethyl phthalate	2,000	0.39 U	0.39 U	0.44 U	0.4 U
Dimethyl phthalate	--	0.39 U	0.39 U	0.44 U	0.4 U
Di-n-butyl phthalate	2,300	0.39 U	0.39 U	0.44 U	0.4 U
2,4-Dimethylphenol	--	0.39 U	0.39 U	0.44 U	0.4 U
4,6-Dinitro-2-methylphenol	--	1.9 U	1.9 U	2.1 U	2 U
2,4-Dinitrophenol	--	1.9 U	1.9 U	2.1 U	2 U
2,4-Dinitrotoluene	--	0.3 U	0.3 U	0.33 U	0.31 U
2,6-Dinitrotoluene	--	0.3 U	0.3 U	0.33 U	0.31 U
Di-n-octyl phthalate	10,000	0.39 U	0.39 U	0.44 U	0.4 U
Hexachlorobenzene	1.8	0.39 U	0.39 U	0.44 U	0.4 U
Hexachlorobutadiene	--	0.39 U	0.39 U	0.44 U	0.4 U
Hexachlorocyclopentadiene	16	0.39 U	0.39 U	0.44 U	0.4 U
Hexachloroethane	--	0.39 U	0.39 U	0.44 U	0.4 U
Isophorone	4,600	0.39 U	0.39 U	0.44 U	0.4 U
2-Methylnaphthalene	--	6.9	0.39 U	0.44 U	0.4 U
2-Methylphenol	--	0.39 U	0.39 U	0.44 U	0.4 U
4-Methylphenol	--	0.39 U	0.39 U	0.44 U	0.4 U
2-Nitroaniline	--	1.9 U	1.9 U	2.1 U	2 U
3-Nitroaniline	--	1.9 U	1.9 U	2.1 U	2 U
4-Nitroaniline	--	1.9 U	1.9 U	2.1 U	2 U
Nitrobenzene	140	0.39 U	0.39 U	0.44 U	0.4 U
2-Nitrophenol	--	1.9 U	1.9 U	2.1 U	2 U
4-Nitrophenol	--	1.9 U	1.9 U	2.1 U	2 U
N-Nitrosodi-n-propylamine	--	0.39 U	0.39 U	0.44 U	0.4 U
2,2'-oxybis(1-Chloropropane)	--	0.39 U	0.39 U	0.44 U	0.4 U
N-Nitrosodiphenylamine	--	0.39 U	0.39 U	0.44 U	0.4 U
Pentachlorophenol	--	1.9 U	1.9 U	2.1 U	2 U
Phenol	--	0.39 U	0.39 U	0.44 U	0.4 U
1,2,4-Trichlorobenzene	3,200	0.39 U	0.39 U	0.44 U	0.4 U
2,4,5-Trichlorophenol	--	0.79 U	0.79 U	0.88 U	0.81 U
2,4,6-Trichlorophenol	390	0.39 U	0.39 U	0.44 U	0.4 U

Notes:
(1) U - Indicates compound/analyte was analyzed for but not detected, the associated value is the sample reporting limit.
(2) WT ~ NE - Water Table Not Encountered.
(3) -- Toxicity criteria not available for exposure route.

Table 7 (Continued)
Tier 1 Screening: Soil Inhalation Exposure Route
Industrial/Commercial Worker
A Portion of Willow Street Station

Compound/Analyte	Tier 1 Screening Level (mg/kg)	Sample Location and Depth (feet below ground surface)/Concentration			
		SP02-001 7-8	SP05-002 6-8	SP06B-001 1-3	SP06B-002 9-11
		WT ~ NE	WT ~ NE	WT ~ NE	WT ~ NE
PAHs (mg/kg)					
Acenaphthene	--	3.7	1.2	0.033 U	0.031 U
Acenaphthylene	--	0.47	0.15	0.033 U	0.031 U
Anthracene	--	2.2	3.7	0.05	0.031 U
Benzo(a)anthracene	--	1	5.6	0.18	0.031 U
Benzo(b)fluoranthene	--	0.71	3.4	0.033 U	0.031 U
Benzo(k)fluoranthene	--	0.67	3.6	0.037	0.031 U
Benzo(g,h,i)perylene	--	0.69	1.1	0.04	0.031 U
Benzo(a)pyrene	--	1.2	3.9	0.064	0.031 U
Chrysene	--	0.96	5.4	0.23	0.031 U
Dibenzo(a,h)anthracene	--	0.15	0.66	0.033 U	0.031 U
Fluoranthene	--	2.7	18	0.14	0.031 U
Fluorene	--	1.9	0.6	0.033 U	0.031 U
Indeno(1,2,3-cd)pyrene	--	0.52	1.3	0.033 U	0.031 U
Naphthalene	270	1.3	0.072	0.058	0.053
Phenanthrene	--	4.6	7.6	0.18	0.031 U
Pyrene	--	3.5	15	0.41	0.031 U
PCBs (mg/kg)					
Aroclor 1016	--	0.099 U	0.093 U	0.1 U	0.093 U
Aroclor 1221	--	0.099 U	0.093 U	0.1 U	0.093 U
Aroclor 1232	--	0.099 U	0.093 U	0.1 U	0.093 U
Aroclor 1242	--	0.099 U	0.093 U	0.1 U	0.093 U
Aroclor 1248	--	0.099 U	0.093 U	0.1 U	0.093 U
Aroclor 1254	--	0.2 U	0.19 U	0.21 U	0.19 U
Aroclor 1260	--	0.2 U	0.19 U	0.21 U	0.19 U
Priority Pollutant Metals and Total Cyanide (mg/kg)					
Antimony	--	1.2 J	1.1 UJ	1.2 UJ	1.2 UJ
Arsenic	1,200	20	2.9	3.4	6.4
Beryllium	2,100	0.99	0.57 U	0.62 U	0.58 U
Cadmium	2,800	0.6 U	0.57 U	0.62 U	0.58 U
Chromium	420	22	4.7	14	18
Copper	--	33 J	4.1 J	16 J	29 J
Lead	--	25	20	73 J	18
Mercury	540,000	0.037	0.053	0.16	0.029 U
Nickel	21,000	38	4.5	17 J	30
Selenium	--	1.2 U	1.1 U	1.2 U	1.2 U
Silver	--	1.2 U	1.1 U	1.2 U	1.2 U
Thallium	--	1.4	1.1 U	1.2 U	1.2 U
Zinc	--	61 J	48 J	52	44 J
Total Cyanide	--	0.31 U	0.3 U	0.34 U	0.31 U

Notes:
(1) U - Indicates compound/analyte was analyzed for but not detected, the associated value is the sample reporting limit.
(2) J - Indicates an estimated value.
(3) WT ~ NE - Water Table Not Encountered.
(4) -- Toxicity criteria not available for exposure route.

Table 7 (Continued)
Tier 1 Screening: Soil Inhalation Exposure Route
Industrial/Commercial Worker
A Portion of Willow Street Station

Compound/Analyte	Tier 1 Screening Level (mg/kg)	Sample Location and Depth (feet below ground surface)/Concentration			
		SP07-001 2-3	SP07-002 7-8	SP07-003 9-11	SP08-001 2-3
		WT ~ NE	WT ~ NE	WT ~ NE	WT ~ NE
TCL Volatiles (mg/kg)					
Acetone	100,000	0.16	0.16	0.039 U	0.093 U
Benzene	1.6	0.018 U	0.02 U	0.0078 U	0.036
Bromodichloromethane	3,000	0.018 U	0.02 U	0.0078 U	0.019 U
Bromoform	100	0.018 U	0.02 U	0.0078 U	0.019 U
Bromomethane	15	0.036 U	0.039 U	0.016 U	0.037 U
2-Butanone	--	0.066	0.075	0.016 U	0.049
Carbon Disulfide	720	0.018 U	0.02 U	0.0078 U	0.019 U
Carbon Tetrachloride	0.640	0.018 U	0.02 U	0.0078 U	0.019 U
Chlorobenzene	210	0.018 U	0.02 U	0.0078 U	0.019 U
Chloroethane	--	0.036 U	0.039 U	0.016 U	0.037 U
Chloroform	0.54	0.018 U	0.02 U	0.0078 U	0.019 U
Chloromethane	--	0.018 U	0.02 U	0.0078 U	0.019 U
Dibromochloromethane	1,300	0.018 U	0.02 U	0.0078 U	0.019 U
1,1-Dichloroethane	1,700	0.018 U	0.02 U	0.0078 U	0.019 U
1,2-Dichloroethane	0.70	0.018 U	0.02 U	0.0078 U	0.019 U
1,1-Dichloroethene	1,500	0.018 U	0.02 U	0.0078 U	0.019 U
cis-1,2-Dichloroethene	1,200	0.018 U	0.02 U	0.0078 U	0.019 U
trans-1,2-Dichloroethene	3,100	0.018 U	0.02 U	0.0078 U	0.019 U
1,2-Dichloropropane	23	0.018 U	0.02 U	0.0078 U	0.019 U
cis-1,3-Dichloropropene	2.1	0.018 U	0.02 U	0.0078 U	0.019 U
trans-1,3-Dichloropropene	2.1	0.018 U	0.02 U	0.0078 U	0.019 U
Ethylbenzene	400	0.018 U	0.02 U	0.0078 U	0.11
2-Hexanone	--	0.036 U	0.039 U	0.016 U	0.037 U
4-Methyl-2-Pentanone	--	0.036 U	0.039 U	0.016 U	0.037 U
Methylene Chloride	24	0.036 U	0.039 U	0.016 U	0.037 U
Styrene	1,500	0.018 U	0.02 U	0.0078 U	0.019 U
1,1,2,2-Tetrachloroethane	--	0.018 U	0.02 U	0.0078 U	0.019 U
Tetrachloroethene	20	0.018 U	0.02 U	0.0078 U	0.019 U
Toluene	650	0.018 U	0.02 U	0.0078 U	0.028
1,1,1-Trichloroethane	1,200	0.018 U	0.02 U	0.0078 U	0.019 U
1,1,2-Trichloroethane	1,800	0.018 U	0.02 U	0.0078 U	0.019 U
Trichloroethene	8.9	0.018 U	0.02 U	0.0078 U	0.019 U
Vinyl Chloride	1.1	0.018 U	0.02 U	0.0078 U	0.019 U
m,p-Xylene	320	0.018 U	0.02 U	0.0078 U	0.065
o-Xylene	320	0.018 U	0.02 U	0.0078 U	0.044

Notes:
(1) U - Indicates compound/analyte was analyzed for but not detected, the associated value is the sample reporting limit.
(2) WT ~ NE - Water Table Not Encountered.
(3) -- Toxicity criteria not available for exposure route.

Table 7 (Continued)
Tier 1 Screening: Soil Inhalation Exposure Route
Industrial/Commercial Worker
A Portion of Willow Street Station

Compound/Analyte	Tier 1 Screening Level (mg/kg)	Sample Location and Depth (feet below ground surface)/Concentration			
		SP07-001 2-3	SP07-002 7-8	SP07-003 9-11	SP08-001 2-3
		WT ~ NE	WT ~ NE	WT ~ NE	WT ~ NE
TCL Semivolatiles (mg/kg)					
Bis(2-chloroethoxy)methane	--	0.4 U	0.43 U	0.4 U	20 U
Bis(2-chloroethyl)ether	0.47	0.4 U	0.43 U	0.4 U	20 U
Bis(2-ethylhexyl)phthalate	31,000	0.4 U	0.43 U	0.4 U	20 U
4-Bromophenyl phenyl ether	--	0.4 U	0.43 U	0.4 U	20 U
Butyl benzyl phthalate	930	0.4 U	0.43 U	0.4 U	20 U
Carbazole	--	0.4 U	0.48	0.4 U	20 U
4-Chloro-3-methylphenol	--	0.4 U	0.43 U	0.4 U	20 U
4-Chloroaniline	--	0.4 U	0.43 U	0.4 U	20 U
2-Chloronaphthalene	--	0.4 U	0.43 U	0.4 U	20 U
2-Chlorophenol	53,000	0.4 U	0.43 U	0.4 U	20 U
4-Chlorophenyl phenyl ether	--	0.4 U	0.43 U	0.4 U	20 U
Dibenzofuran	--	0.4 U	0.43 U	0.4 U	20 U
1,2-Dichlorobenzene	560	0.4 U	0.43 U	0.4 U	20 U
1,3-Dichlorobenzene	--	0.4 U	0.43 U	0.4 U	20 U
1,4-Dichlorobenzene	17,000	0.4 U	0.43 U	0.4 U	20 U
3,3´-Dichlorobenzidine	--	0.8 U	0.87 U	0.8 U	40 U
2,4-Dichlorophenol	--	0.4 U	0.43 U	0.4 U	20 U
Diethyl phthalate	2,000	0.4 U	0.43 U	0.4 U	20 U
Dimethyl phthalate	--	0.4 U	0.43 U	0.4 U	20 U
Di-n-butyl phthalate	2,300	0.4 U	0.43 U	0.4 U	20 U
2,4-Dimethylphenol	--	0.4 U	0.43 U	0.4 U	20 U
4,6-Dinitro-2-methylphenol	--	1.9 U	2.1 U	1.9 U	98 U
2,4-Dinitrophenol	--	1.9 U	2.1 U	1.9 U	98 U
2,4-Dinitrotoluene	--	0.3 U	0.33 U	0.3 U	15 U
2,6-Dinitrotoluene	--	0.3 U	0.33 U	0.3 U	15 U
Di-n-octyl phthalate	10,000	0.4 U	0.43 U	0.4 U	20 U
Hexachlorobenzene	1.8	0.4 U	0.43 U	0.4 U	20 U
Hexachlorobutadiene	--	0.4 U	0.43 U	0.4 U	20 U
Hexachlorocyclopentadiene	16	0.4 U	0.43 U	0.4 U	20 U
Hexachloroethane	--	0.4 U	0.43 U	0.4 U	20 U
Isophorone	4,600	0.4 U	0.43 U	0.4 U	20 U
2-Methylnaphthalene	--	0.4 U	0.43 U	0.4 U	20 U
2-Methylphenol	--	0.4 U	0.43 U	0.4 U	20 U
4-Methylphenol	--	0.4 U	0.43 U	0.4 U	20 U
2-Nitroaniline	--	1.9 U	2.1 U	1.9 U	98 U
3-Nitroaniline	--	1.9 U	2.1 U	1.9 U	98 U
4-Nitroaniline	--	1.9 U	2.1 U	1.9 U	98 U
Nitrobenzene	140	0.4 U	0.43 U	0.4 U	20 U
2-Nitrophenol	--	1.9 U	2.1 U	1.9 U	98 U
4-Nitrophenol	--	1.9 U	2.1 U	1.9 U	98 U
N-Nitrosodi-n-propylamine	--	0.4 U	0.43 U	0.4 U	20 U
2,2'-oxybis(1-Chloropropane)	--	0.4 U	0.43 U	0.4 U	20 U
N-Nitrosodiphenylamine	--	0.4 U	0.43 U	0.4 U	20 U
Pentachlorophenol	--	1.9 U	2.1 U	1.9 U	98 U
Phenol	--	0.4 U	0.43 U	0.4 U	20 U
1,2,4-Trichlorobenzene	3,200	0.4 U	0.43 U	0.4 U	20 U
2,4,5-Trichlorophenol	--	0.8 U	0.87 U	0.8 U	40 U
2,4,6-Trichlorophenol	390	0.4 U	0.43 U	0.4 U	20 U

Notes:
(1) U - Indicates compound/analyte was analyzed for but not detected, the associated value is the sample reporting limit.
(2) WT ~ NE - Water Table Not Encountered.
(3) -- Toxicity criteria not available for exposure route.

Table 7 (Continued)
Tier 1 Screening: Soil Inhalation Exposure Route
Industrial/Commercial Worker
A Portion of Willow Street Station

Compound/Analyte	Tier 1 Screening Level (mg/kg)	Sample Location and Depth (feet below ground surface)/Concentration			
		SP07-001 2-3	SP07-002 7-8	SP07-003 9-11	SP08-001 2-3
		WT ~ NE	WT ~ NE	WT ~ NE	WT ~ NE
PAHs (mg/kg)					
Acenaphthene	--	0.22	0.2	0.03 U	1.5 U
Acenaphthylene	--	1.1	0.073	0.03 U	45
Anthracene	--	0.45	1.5	0.03 U	13
Benzo(a)anthracene	--	1.8	4.3	0.03 U	85
Benzo(b)fluoranthene	--	2.1	3.7	0.03 U	140
Benzo(k)fluoranthene	--	2	3.4	0.03 U	110
Benzo(g,h,i)perylene	--	0.92	0.9	0.03 U	64
Benzo(a)pyrene	--	1.8	3.8	0.03 U	43
Chrysene	--	2.2	4.3	0.03 U	140
Dibenzo(a,h)anthracene	--	0.46	0.42	0.03 U	31
Fluoranthene	--	1.9	11	0.03 U	43
Fluorene	--	0.22	0.21	0.03 U	8.9
Indeno(1,2,3-cd)pyrene	--	0.86	1	0.03 U	57
Naphthalene	270	0.13	0.033 U	0.03 U	1.9
Phenanthrene	--	0.42	2.8	0.03 U	3.7
Pyrene	--	2.9	9.4	0.03 U	82
PCBs (mg/kg)					
Aroclor 1016	--	0.095 U	0.1 U	0.095 U	1.1 U
Aroclor 1221	--	0.095 U	0.1 U	0.095 U	1.1 U
Aroclor 1232	--	0.095 U	0.1 U	0.095 U	1.1 U
Aroclor 1242	--	0.095 U	0.1 U	0.095 U	1.1 U
Aroclor 1248	--	0.095 U	0.1 U	0.095 U	1.1 U
Aroclor 1254	--	0.19 U	0.21 U	0.19 U	2.2 U
Aroclor 1260	--	0.19 U	0.21 U	0.19 U	2.2 U
Priority Pollutant Metals and Total Cyanide (mg/kg)					
Antimony	--	1.2 UJ	1.2 UJ	1.2 UJ	1.7 J
Arsenic	1,200	9.7	6	8.5	36
Beryllium	2,100	0.59 U	0.62 U	0.58 U	0.71 U
Cadmium	2,800	0.59 U	0.62 U	0.58 U	0.71 U
Chromium	420	17	17	18	15
Copper	--	31 J	41 J	28 J	100 J
Lead	--	53 J	37	16	280 J
Mercury	540,000	2.5	0.8	0.029 U	0.5
Nickel	21,000	31 J	20	33	15 J
Selenium	--	1.2 U	1.2 U	1.2 U	1.4 U
Silver	--	1.2 U	1.2 U	1.2 U	1.4 U
Thallium	--	1.2 U	1.2 U	1.2 U	1.4 U
Zinc	--	60	81 J	43 J	72
Total Cyanide	--	0.3 U	0.33 U	0.3 U	0.84

Notes:
(1) U - Indicates compound/analyte was analyzed for but not detected, the associated value is the sample reporting limit.
(2) J - Indicates an estimated value.
(3) WT ~ NE - Water Table Not Encountered.
(4) -- Toxicity criteria not available for exposure route.

Table 7 (Continued)
Tier 1 Screening: Soil Inhalation Exposure Route
Industrial/Commercial Worker
A Portion of Willow Street Station

Compound/Analyte	Tier 1 Screening Level (mg/kg)	Sample Location and Depth (feet below ground surface)/Concentration			
		SP08-002 6-7	SP09-001 2-3	SP09-002 6-7	SP10-001 1-2
		WT ~ NE	WT ~ NE	WT ~ NE	WT ~ NE
TCL Volatiles (mg/kg)					
Acetone	100,000	0.054	0.028 U	0.04 U	0.076
Benzene	1.6	0.01 U	0.0057 U	0.008 U	0.0088 U
Bromodichloromethane	3,000	0.01 U	0.0057 U	0.008 U	0.0088 U
Bromoform	100	0.01 U	0.0057 U	0.008 U	0.0088 U
Bromomethane	15	0.02 U	0.011 U	0.016 U	0.018 U
2-Butanone	--	0.033	0.011 U	0.016 U	0.028
Carbon Disulfide	720	0.01 U	0.0057 U	0.008 U	0.0088 U
Carbon Tetrachloride	0.640	0.01 U	0.0057 U	0.008 U	0.0088 U
Chlorobenzene	210	0.01 U	0.0057 U	0.008 U	0.0088 U
Chloroethane	--	0.02 U	0.011 U	0.016 U	0.018 U
Chloroform	0.54	0.01 U	0.0057 U	0.008 U	0.0088 U
Chloromethane	--	0.01 U	0.0057 U	0.008 U	0.0088 U
Dibromochloromethane	1,300	0.01 U	0.0057 U	0.008 U	0.0088 U
1,1-Dichloroethane	1,700	0.01 U	0.0057 U	0.008 U	0.0088 U
1,2-Dichloroethane	0.70	0.01 U	0.0057 U	0.008 U	0.0088 U
1,1-Dichloroethene	1,500	0.01 U	0.0057 U	0.008 U	0.0088 U
cis-1,2-Dichloroethene	1,200	0.01 U	0.0057 U	0.008 U	0.0088 U
trans-1,2-Dichloroethene	3,100	0.01 U	0.0057 U	0.008 U	0.0088 U
1,2-Dichloropropane	23	0.01 U	0.0057 U	0.008 U	0.0088 U
cis-1,3-Dichloropropene	2.1	0.01 U	0.0057 U	0.008 U	0.0088 U
trans-1,3-Dichloropropene	2.1	0.01 U	0.0057 U	0.008 U	0.0088 U
Ethylbenzene	400	0.01 U	0.0057 U	0.008 U	0.0088 U
2-Hexanone	--	0.02 U	0.011 U	0.016 U	0.018 U
4-Methyl-2-Pentanone	--	0.02 U	0.011 U	0.016 U	0.018 U
Methylene Chloride	24	0.02 U	0.011 U	0.016 U	0.018 U
Styrene	1,500	0.01 U	0.0057 U	0.008 U	0.0088 U
1,1,2,2-Tetrachloroethane	--	0.01 U	0.0057 U	0.008 U	0.0088 U
Tetrachloroethene	20	0.01 U	0.0057 U	0.008 U	0.0088 U
Toluene	650	0.01 U	0.0057 U	0.008 U	0.0088 U
1,1,1-Trichloroethane	1,200	0.01 U	0.0057 U	0.008 U	0.0088 U
1,1,2-Trichloroethane	1,800	0.01 U	0.0057 U	0.008 U	0.0088 U
Trichloroethene	8.9	0.01 U	0.0057 U	0.008 U	0.0088 U
Vinyl Chloride	1.1	0.01 U	0.0057 U	0.008 U	0.0088 U
m,p-Xylene	320	0.01 U	0.0057 U	0.008 U	0.0088 U
o-Xylene	320	0.01 U	0.0057 U	0.008 U	0.0088 U

Notes:
(1) U - Indicates compound/analyte was analyzed for but not detected, the associated value is the sample reporting limit.
(2) WT ~ NE - Water Table Not Encountered.
(3) -- Toxicity criteria not available for exposure route.

Table 7 (Continued)
Tier 1 Screening: Soil Inhalation Exposure Route
Industrial/Commercial Worker
A Portion of Willow Street Station

Compound/Analyte	Tier 1 Screening Level (mg/kg)	Sample Location and Depth (feet below ground surface)/Concentration			
		SP08-002 6-7	SP09-001 2-3	SP09-002 6-7	SP10-001 1-2
		WT ~ NE	WT ~ NE	WT ~ NE	WT ~ NE
TCL Semivolatiles (mg/kg)					
Bis(2-chloroethoxy)methane	--	0.45 U	3.8 U	0.42 U	0.38 U
Bis(2-chloroethyl)ether	0.47	0.45 U	3.8 U	0.42 U	0.38 U
Bis(2-ethylhexyl)phthalate	31,000	0.45 U	3.8 U	0.42 U	0.38 U
4-Bromophenyl phenyl ether	--	0.45 U	3.8 U	0.42 U	0.38 U
Butyl benzyl phthalate	930	0.45 U	3.8 U	0.42 U	0.38 U
Carbazole	--	0.45 U	5.5	0.42 U	0.75
4-Chloro-3-methylphenol	--	0.45 U	3.8 U	0.42 U	0.38 U
4-Chloroaniline	--	0.45 U	3.8 U	0.42 U	0.38 U
2-Chloronaphthalene	--	0.45 U	3.8 U	0.42 U	0.38 U
2-Chlorophenol	53,000	0.45 U	3.8 U	0.42 U	0.38 U
4-Chlorophenyl phenyl ether	--	0.45 U	3.8 U	0.42 U	0.38 U
Dibenzofuran	--	0.45 U	3.8 U	0.42 U	0.38 U
1,2-Dichlorobenzene	560	0.45 U	3.8 U	0.42 U	0.38 U
1,3-Dichlorobenzene	--	0.45 U	3.8 U	0.42 U	0.38 U
1,4-Dichlorobenzene	17,000	0.45 U	3.8 U	0.42 U	0.38 U
3,3´-Dichlorobenzidine	--	0.9 U	7.7 U	0.84 U	0.76 U
2,4-Dichlorophenol	--	0.45 U	3.8 U	0.42 U	0.38 U
Diethyl phthalate	2,000	0.45 U	3.8 U	0.42 U	0.38 U
Dimethyl phthalate	--	0.45 U	3.8 U	0.42 U	0.38 U
Di-n-butyl phthalate	2,300	0.45 U	3.8 U	0.42 U	0.38 U
2,4-Dimethylphenol	--	0.45 U	3.8 U	0.42 U	0.38 U
4,6-Dinitro-2-methylphenol	--	2.2 U	19 U	2 U	1.8 U
2,4-Dinitrophenol	--	2.2 U	19 U	2 U	1.8 U
2,4-Dinitrotoluene	--	0.34 U	2.9 U	0.32 U	0.29 U
2,6-Dinitrotoluene	--	0.34 U	2.9 U	0.32 U	0.29 U
Di-n-octyl phthalate	10,000	0.45 U	3.8 U	0.42 U	0.38 U
Hexachlorobenzene	1.8	0.45 U	3.8 U	0.42 U	0.38 U
Hexachlorobutadiene	--	0.45 U	3.8 U	0.42 U	0.38 U
Hexachlorocyclopentadiene	16	0.45 U	3.8 U	0.42 U	0.38 U
Hexachloroethane	--	0.45 U	3.8 U	0.42 U	0.38 U
Isophorone	4,600	0.45 U	3.8 U	0.42 U	0.38 U
2-Methylnaphthalene	--	0.45 U	3.8 U	0.42 U	0.38 U
2-Methylphenol	--	0.45 U	3.8 U	0.42 U	0.38 U
4-Methylphenol	--	0.45 U	3.8 U	0.42 U	0.38 U
2-Nitroaniline	--	2.2 U	19 U	2 U	1.8 U
3-Nitroaniline	--	2.2 U	19 U	2 U	1.8 U
4-Nitroaniline	--	2.2 U	19 U	2 U	1.8 U
Nitrobenzene	140	0.45 U	3.8 U	0.42 U	0.38 U
2-Nitrophenol	--	2.2 U	19 U	2 U	1.8 U
4-Nitrophenol	--	2.2 U	19 U	2 U	1.8 U
N-Nitrosodi-n-propylamine	--	0.45 U	3.8 U	0.42 U	0.38 U
2,2'-oxybis(1-Chloropropane)	--	0.45 U	3.8 U	0.42 U	0.38 U
N-Nitrosodiphenylamine	--	0.45 U	3.8 U	0.42 U	0.38 U
Pentachlorophenol	--	2.2 U	19 U	2 U	1.8 U
Phenol	--	0.45 U	3.8 U	0.42 U	0.38 U
1,2,4-Trichlorobenzene	3,200	0.45 U	3.8 U	0.42 U	0.38 U
2,4,5-Trichlorophenol	--	0.9 U	7.7 U	0.84 U	0.76 U
2,4,6-Trichlorophenol	390	0.45 U	3.8 U	0.42 U	0.38 U

Notes:
(1) U - Indicates compound/analyte was analyzed for but not detected, the associated value is the sample reporting limit.
(2) WT ~ NE - Water Table Not Encountered.
(3) -- Toxicity criteria not available for exposure route.

Table 7 (Continued)
Tier 1 Screening: Soil Inhalation Exposure Route
Industrial/Commercial Worker
A Portion of Willow Street Station

Compound/Analyte	Tier 1 Screening Level (mg/kg)	Sample Location and Depth (feet below ground surface)/Concentration			
		SP08-002 6-7	SP09-001 2-3	SP09-002 6-7	SP10-001 1-2
		WT ~ NE	WT ~ NE	WT ~ NE	WT ~ NE
PAHs (mg/kg)					
Acenaphthene	--	0.034 U	3	0.11	0.16
Acenaphthylene	--	0.034 U	2.3	0.032 U	0.082
Anthracene	--	0.034	13	0.032 U	0.85
Benzo(a)anthracene	--	0.1	36	0.032 U	2.3
Benzo(b)fluoranthene	--	0.11	37	0.032 U	2.7
Benzo(k)fluoranthene	--	0.1	28	0.032 U	2.1
Benzo(g,h,i)perylene	--	0.051	18	0.032 U	1.7
Benzo(a)pyrene	--	0.11	37	0.034	2.2
Chrysene	--	0.12	35	0.032 U	2.5
Dibenzo(a,h)anthracene	--	0.034 U	7.7	0.032 U	0.81
Fluoranthene	--	0.082	52	0.037	4.6
Fluorene	--	0.034 U	2.9	0.07	0.23
Indeno(1,2,3-cd)pyrene	--	0.05	18	0.032 U	1.5
Naphthalene	270	0.11	0.41	0.11	0.36
Phenanthrene	--	0.074	29	0.066	2.9
Pyrene	--	0.18	47	0.051	3.7
PCBs (mg/kg)					
Aroclor 1016	--	0.11 U	0.92 U	0.1 U	0.091 U
Aroclor 1221	--	0.11 U	0.92 U	0.1 U	0.091 U
Aroclor 1232	--	0.11 U	0.92 U	0.1 U	0.091 U
Aroclor 1242	--	0.11 U	0.92 U	0.1 U	0.091 U
Aroclor 1248	--	0.11 U	0.92 U	0.1 U	0.091 U
Aroclor 1254	--	0.23 U	1.8 U	0.2 U	0.18 U
Aroclor 1260	--	0.23 U	1.8 U	0.2 U	0.18 U
Priority Pollutant Metals and Total Cyanide (mg/kg)					
Antimony	--	1.4 UJ	1.2 UJ	1.2 UJ	1.7 J
Arsenic	1,200	4.6	11	5.4	9.6
Beryllium	2,100	0.71 U	0.6 U	0.7	0.9
Cadmium	2,800	0.71 U	1.3	0.61 U	1.1
Chromium	420	16	16	16	19
Copper	--	38 J	58 J	20 J	190 J
Lead	--	32	250 J	20	450 J
Mercury	540,000	0.081	2.2	0.059	0.22
Nickel	21,000	21	22 J	19	23 J
Selenium	--	1.4 U	1.2 U	1.2 U	1.1 U
Silver	--	1.4 U	1.2 U	1.2 U	1.1 U
Thallium	--	1.4 U	1.2 U	1.8	1.3
Zinc	--	79 J	370	54 J	390
Total Cyanide	--	0.36 U	1.8	0.33 U	0.3 U

Notes:
(1) U - Indicates compound/analyte was analyzed for but not detected, the associated value is the sample reporting limit.
(2) J - Indicates an estimated value.
(3) WT ~ NE - Water Table Not Encountered.
(4) -- Toxicity criteria not available for exposure route.

Table 7 (Continued)
Tier 1 Screening: Soil Inhalation Exposure Route
Industrial/Commercial Worker
A Portion of Willow Street Station

Compound/Analyte	Tier 1 Screening Level (mg/kg)	Sample Location and Depth (feet below ground surface)/Concentration				
		SP10-002 7-8	SP11-001 2-3	SP11-002 9-10	SP12-001 1-3	SP12-002 7-8
		WT ~ NE	WT ~ NE	WT ~ NE	WT ~ NE	WT ~ NE
TCL Volatiles (mg/kg)						
Acetone	100,000	0.066	0.03 U	0.037 U	0.042 U	0.12
Benzene	1.6	0.0082 U	0.006 U	0.0074 U	0.0084 U	0.12
Bromodichloromethane	3,000	0.0082 U	0.006 U	0.0074 U	0.0084 U	0.017 U
Bromoform	100	0.0082 U	0.006 U	0.0074 U	0.0084 U	0.017 U
Bromomethane	15	0.016 U	0.012 U	0.015 U	0.017 U	0.034 U
2-Butanone	--	0.023	0.012 U	0.015 U	0.017 U	0.039
Carbon Disulfide	720	0.0082 U	0.006 U	0.0074 U	0.0084 U	0.017 U
Carbon Tetrachloride	0.640	0.0082 U	0.006 U	0.0074 U	0.0084 U	0.017 U
Chlorobenzene	210	0.0082 U	0.006 U	0.0074 U	0.0084 U	0.017 U
Chloroethane	--	0.016 U	0.012 U	0.015 U	0.017 U	0.034 U
Chloroform	0.54	0.0082 U	0.006 U	0.0074 U	0.0084 U	0.017 U
Chloromethane	--	0.0082 U	0.006 U	0.0074 U	0.0084 U	0.017 U
Dibromochloromethane	1,300	0.0082 U	0.006 U	0.0074 U	0.0084 U	0.017 U
1,1-Dichloroethane	1,700	0.0082 U	0.006 U	0.0074 U	0.0084 U	0.017 U
1,2-Dichloroethane	0.70	0.0082 U	0.006 U	0.0074 U	0.0084 U	0.017 U
1,1-Dichloroethene	1,500	0.0082 U	0.006 U	0.0074 U	0.0084 U	0.017 U
cis-1,2-Dichloroethene	1,200	0.0082 U	0.006 U	0.0074 U	0.0084 U	0.017 U
trans-1,2-Dichloroethene	3,100	0.0082 U	0.006 U	0.0074 U	0.0084 U	0.017 U
1,2-Dichloropropane	23	0.0082 U	0.006 U	0.0074 U	0.0084 U	0.017 U
cis-1,3-Dichloropropene	2.1	0.0082 U	0.006 U	0.0074 U	0.0084 U	0.017 U
trans-1,3-Dichloropropene	2.1	0.0082 U	0.006 U	0.0074 U	0.0084 U	0.017 U
Ethylbenzene	400	0.0082 U	0.006 U	0.0074 U	0.0084 U	0.25
2-Hexanone	--	0.016 U	0.012 U	0.015 U	0.017 U	0.034 U
4-Methyl-2-Pentanone	--	0.016 U	0.012 U	0.015 U	0.017 U	0.034 U
Methylene Chloride	24	0.016 U	0.012 U	0.015 U	0.017 U	0.034 U
Styrene	1,500	0.0082 U	0.006 U	0.0074 U	0.0084 U	0.017 U
1,1,2,2-Tetrachloroethane	--	0.0082 U	0.006 U	0.0074 U	0.0084 U	0.017 U
Tetrachloroethene	20	0.0082 U	0.006 U	0.0074 U	0.0084 U	0.017 U
Toluene	650	0.0082 U	0.006 U	0.0074 U	0.0084 U	0.075
1,1,1-Trichloroethane	1,200	0.0082 U	0.006 U	0.0074 U	0.0084 U	0.017 U
1,1,2-Trichloroethane	1,800	0.0082 U	0.006 U	0.0074 U	0.0084 U	0.017 U
Trichloroethene	8.9	0.0082 U	0.006 U	0.0074 U	0.0084 U	0.017 U
Vinyl Chloride	1.1	0.0082 U	0.006 U	0.0074 U	0.0084 U	0.017 U
m,p-Xylene	320	0.0082 U	0.006 U	0.0074 U	0.0084 U	0.086
o-Xylene	320	0.0082 U	0.006 U	0.0074 U	0.0084 U	0.047

Notes:
(1) U - Indicates compound/analyte was analyzed for but not detected, the associated value is the sample reporting limit.
(2) WT ~ NE - Water Table Not Encountered.
(3) -- Toxicity criteria not available for exposure route.

Table 7 (Continued)
Tier 1 Screening: Soil Inhalation Exposure Route
Industrial/Commercial Worker
A Portion of Willow Street Station

Compound/Analyte	Tier 1 Screening Level (mg/kg)	Sample Location and Depth (feet below ground surface)/Concentration				
		SP10-002 7-8	SP11-001 2-3	SP11-002 9-10	SP12-001 1-3	SP12-002 7-8
		WT ~ NE	WT ~ NE	WT ~ NE	WT ~ NE	WT ~ NE
TCL Semivolatiles (mg/kg)						
Bis(2-chloroethoxy)methane	--	0.38 U	0.39 U	0.38 U	0.39 U	0.4 U
Bis(2-chloroethyl)ether	0.47	0.38 U	0.39 U	0.38 U	0.39 U	0.4 U
Bis(2-ethylhexyl)phthalate	31,000	0.38 U	0.39 U	0.38 U	0.39 U	0.4 U
4-Bromophenyl phenyl ether	--	0.38 U	0.39 U	0.38 U	0.39 U	0.4 U
Butyl benzyl phthalate	930	0.38 U	0.39 U	0.38 U	0.39 U	0.4 U
Carbazole	--	0.38 U	0.39 U	0.38 U	0.39 U	0.4 U
4-Chloro-3-methylphenol	--	0.38 U	0.39 U	0.38 U	0.39 U	0.4 U
4-Chloroaniline	--	0.38 U	0.39 U	0.38 U	0.39 U	0.4 U
2-Chloronaphthalene	--	0.38 U	0.39 U	0.38 U	0.39 U	0.4 U
2-Chlorophenol	53,000	0.38 U	0.39 U	0.38 U	0.39 U	0.4 U
4-Chlorophenyl phenyl ether	--	0.38 U	0.39 U	0.38 U	0.39 U	0.4 U
Dibenzofuran	--	0.38 U	0.39 U	0.38 U	0.39 U	0.4 U
1,2-Dichlorobenzene	560	0.38 U	0.39 U	0.38 U	0.39 U	0.4 U
1,3-Dichlorobenzene	--	0.38 U	0.39 U	0.38 U	0.39 U	0.4 U
1,4-Dichlorobenzene	17,000	0.38 U	0.39 U	0.38 U	0.39 U	0.4 U
3,3´-Dichlorobenzidine	--	0.76 U	0.77 U	0.77 U	0.78 U	0.8 U
2,4-Dichlorophenol	--	0.38 U	0.39 U	0.38 U	0.39 U	0.4 U
Diethyl phthalate	2,000	0.38 U	0.39 U	0.38 U	0.39 U	0.4 U
Dimethyl phthalate	--	0.38 U	0.39 U	0.38 U	0.39 U	0.4 U
Di-n-butyl phthalate	2,300	0.38 U	0.39 U	0.38 U	0.39 U	0.4 U
2,4-Dimethylphenol	--	0.38 U	0.39 U	0.38 U	0.39 U	0.4 U
4,6-Dinitro-2-methylphenol	--	1.8 U	1.9 U	1.9 U	1.9 U	1.9 U
2,4-Dinitrophenol	--	1.8 U	1.9 U	1.9 U	1.9 U	1.9 U
2,4-Dinitrotoluene	--	0.29 U	0.29 U	0.29 U	0.3 U	0.3 U
2,6-Dinitrotoluene	--	0.29 U	0.29 U	0.29 U	0.3 U	0.3 U
Di-n-octyl phthalate	10,000	0.38 U	0.39 U	0.38 U	0.39 U	0.4 U
Hexachlorobenzene	1.8	0.38 U	0.39 U	0.38 U	0.39 U	0.4 U
Hexachlorobutadiene	--	0.38 U	0.39 U	0.38 U	0.39 U	0.4 U
Hexachlorocyclopentadiene	16	0.38 U	0.39 U	0.38 U	0.39 U	0.4 U
Hexachloroethane	--	0.38 U	0.39 U	0.38 U	0.39 U	0.4 U
Isophorone	4,600	0.38 U	0.39 U	0.38 U	0.39 U	0.4 U
2-Methylnaphthalene	--	0.38 U	0.39 U	0.38 U	0.45	0.4 U
2-Methylphenol	--	0.38 U	0.39 U	0.38 U	0.39 U	0.4 U
4-Methylphenol	--	0.38 U	0.39 U	0.38 U	0.39 U	0.4 U
2-Nitroaniline	--	1.8 U	1.9 U	1.9 U	1.9 U	1.9 U
3-Nitroaniline	--	1.8 U	1.9 U	1.9 U	1.9 U	1.9 U
4-Nitroaniline	--	1.8 U	1.9 U	1.9 U	1.9 U	1.9 U
Nitrobenzene	140	0.38 U	0.39 U	0.38 U	0.39 U	0.4 U
2-Nitrophenol	--	1.8 U	1.9 U	1.9 U	1.9 U	1.9 U
4-Nitrophenol	--	1.8 U	1.9 U	1.9 U	1.9 U	1.9 U
N-Nitrosodi-n-propylamine	--	0.38 U	0.39 U	0.38 U	0.39 U	0.4 U
2,2'-oxybis(1-Chloropropane)	--	0.38 U	0.39 U	0.38 U	0.39 U	0.4 U
N-Nitrosodiphenylamine	--	0.38 U	0.39 U	0.38 U	0.39 U	0.4 U
Pentachlorophenol	--	1.8 U	1.9 U	1.9 U	1.9 U	1.9 U
Phenol	--	0.38 U	0.39 U	0.38 U	0.39 U	0.4 U
1,2,4-Trichlorobenzene	3,200	0.38 U	0.39 U	0.38 U	0.39 U	0.4 U
2,4,5-Trichlorophenol	--	0.76 U	0.77 U	0.77 U	0.78 U	0.8 U
2,4,6-Trichlorophenol	390	0.38 U	0.39 U	0.38 U	0.39 U	0.4 U

Notes:
(1) U - Indicates compound/analyte was analyzed for but not detected, the associated value is the sample reporting limit.
(2) WT ~ NE - Water Table Not Encountered.
(3) -- Toxicity criteria not available for exposure route.

Table 7 (Continued)
Tier 1 Screening: Soil Inhalation Exposure Route
Industrial/Commercial Worker
A Portion of Willow Street Station

Compound/Analyte	Tier 1 Screening Level (mg/kg)	Sample Location and Depth (feet below ground surface)/Concentration				
		SP10-002 7-8	SP11-001 2-3	SP11-002 9-10	SP12-001 1-3	SP12-002 7-8
		WT ~ NE	WT ~ NE	WT ~ NE	WT ~ NE	WT ~ NE
PAHs (mg/kg)						
Acenaphthene	--	0.029 U	0.029 U	0.029 U	0.03 U	0.099
Acenaphthylene	--	0.029 U	0.094	0.029 U	0.072	0.067
Anthracene	--	0.029 U	0.42	0.029 U	0.12	0.16
Benzo(a)anthracene	--	0.07	0.55	0.029 U	0.54	0.24
Benzo(b)fluoranthene	--	0.09	0.56	0.029 U	0.55	0.32
Benzo(k)fluoranthene	--	0.081	0.4	0.029 U	0.45	0.26
Benzo(g,h,i)perylene	--	0.1	0.43	0.029 U	0.46	0.11
Benzo(a)pyrene	--	0.14	0.44	0.029 U	0.61	0.33
Chrysene	--	0.082	0.57	0.029 U	0.58	0.48
Dibenzo(a,h)anthracene	--	0.029 U	0.088	0.029 U	0.067	0.04
Fluoranthene	--	0.096	0.82	0.029 U	0.85	0.87
Fluorene	--	0.029 U	0.029 U	0.029 U	0.03 U	0.091
Indeno(1,2,3-cd)pyrene	--	0.065	0.36	0.029 U	0.4	0.098
Naphthalene	270	0.029 U	0.034	0.029 U	0.24	0.13
Phenanthrene	--	0.029 U	0.39	0.029 U	0.53	0.41
Pyrene	--	0.17	0.73	0.029 U	0.91	1
PCBs (mg/kg)						
Aroclor 1016	--	0.096 U	0.093 U	0.093 U	0.095 U	0.098 U
Aroclor 1221	--	0.096 U	0.093 U	0.093 U	0.095 U	0.098 U
Aroclor 1232	--	0.096 U	0.093 U	0.093 U	0.095 U	0.098 U
Aroclor 1242	--	0.096 U	0.093 U	0.093 U	0.095 U	0.098 U
Aroclor 1248	--	0.096 U	0.093 U	0.093 U	0.095 U	0.098 U
Aroclor 1254	--	0.19 U	0.19 U	0.19 U	0.19 U	0.2 U
Aroclor 1260	--	0.19 U	0.19 U	0.19 U	0.19 U	0.2 U
Priority Pollutant Metals and Total Cyanide (mg/kg)						
Antimony	--	1.2 UJ	1.1 UJ	1.2 UJ	1.2 UJ	1.2 J
Arsenic	1,200	15	8.9	3.5	7.7	8.8
Beryllium	2,100	0.88	0.82	0.74	0.65	0.66
Cadmium	2,800	0.61 U	0.56 U	0.59 U	0.62	0.62 U
Chromium	420	22	21	21	15	15
Copper	--	32 J	37 J	25 J	41 J	22 J
Lead	--	21	130 J	15	88 J	80
Mercury	540,000	0.037	0.63	0.17	0.62	0.61
Nickel	21,000	39	33 J	30	27 J	21
Selenium	--	1.2 U	1.1 U	1.2 U	1.2 U	1.2 U
Silver	--	1.2 U	1.1 U	1.2 U	1.2 U	1.2 U
Thallium	--	1.8	1.6	2	1.5	1.4
Zinc	--	56 J	89	50 J	120	89 J
Total Cyanide	--	1	0.3 U	0.3 U	0.3 U	0.31 U

Notes:
(1) U - Indicates compound/analyte was analyzed for but not detected, the associated value is the sample reporting limit.
(2) J - Indicates an estimated value.
(3) WT ~ NE - Water Table Not Encountered.
(4) -- Toxicity criteria not available for exposure route.

Table 7 (Continued)
Tier 1 Screening: Soil Inhalation Exposure Route
Industrial/Commercial Worker
November 2000 Site Investigation
A Portion of Willow Street Station

Compound/Analyte	Tier 1 Screening Level (mg/kg)	Sample Location and Depth (feet below ground surface)/Concentration				
		SB-01 9-10	SB-02 4-6	SB-02 8-10	SB-03 9-11	SB-04 1-3
BTEX (mg/kg)						
Benzene	1.6	0.099	0.010	0.002 U	0.002 U	0.003
Ethylbenzene	400	0.005 U	0.005	0.005 U	0.005 U	0.005 U
Toluene	650	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Xylenes (total)	320	0.005 U	0.006	0.005 U	0.005 U	0.005 U
Phenols (mg/kg)						
2,4-Dimethylphenol	--	0.330 U	0.330 U	0.330 U	0.330 U	0.330 U
2-Methylphenol	--	0.330 U	0.330 U	0.330 U	0.330 U	0.330 U
4-Methylphenol	--	0.330 U	0.330 U	0.330 U	0.330 U	0.330 U
Phenol	--	0.330 U	0.330 U	0.330 U	0.330 U	0.330 U
PAHs (mg/kg)						
Acenaphthene	--	0.025 U	0.025 U	0.025 U	0.025 U	0.099
Acenaphthylene	--	0.025 U	0.025 U	0.031	0.025 U	0.357
Anthracene	--	0.025 U	0.025 U	0.025 U	0.025 U	0.239
Benzo(a)anthracene	--	0.025 U	0.028	0.097	0.025 U	0.794
Benzo(b)fluoranthene	--	0.025 U	0.031	0.096	0.025 U	0.904
Benzo(k)fluoranthene	--	0.025 U	0.025 U	0.053	0.025 U	0.723
Benzo(g,h,i)perylene	--	0.025 U	0.029	0.046	0.025 U	0.483
Benzo(a)pyrene	--	0.025 U	0.025 U	0.070	0.025 U	0.982
Chrysene	--	0.025 U	0.038	0.115	0.025 U	0.945
Dibenzo(a,h)anthracene	--	0.025 U	0.025 U	0.025 U	0.025 U	0.267
Fluoranthene	--	0.025 U	0.025 U	0.122	0.025 U	1.17
Fluorene	--	0.025 U	0.025 U	0.025 U	0.025 U	0.088
Naphthalene	270	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Phenanthrene	--	0.025 U	0.025 U	0.047	0.025 U	0.679
Pyrene	--	0.025 U	0.033	0.208	0.025 U	1.23
Dibenzofuran	--	0.025 U	0.025 U	0.025 U	0.025 U	0.054
2-Methylnaphthalene	--	0.025 U	0.025 U	0.025 U	0.025 U	0.029
Metals and Total Cyanide (mg/kg)						
Arsenic	1,200	1.29	0.958	0.209	0.467	0.157
Barium	910,000	19.6	14.9	21.8	28.6	5.10
Cadmium	2,800	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Chromium	420	3.87	2.69	2.35	2.32	8.62
Copper	--	12.5	2.93	8.00	9.13	39.2
Iron	--	3400	3520	2270	4030	8310
Lead	--	37.3	30.1	6.26	8.34	39.2
Manganese	91,000	134	164	186	181	33.5
Mercury	540,000	0.040 U	2.22	0.040 U	0.040 U	0.389
Nickel	21,000	9.66	2.05	9.07	9.89	4.47
Selenium	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
Silver	--	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Zinc	--	19.1	12.2	10.0	13.4	23.4
Total Cyanide	--	0.180	0.360	0.440	0.100 U	3.17

Note:
(1) U - Indicates compound/analyte was analyzed for but not detected, the associated value is the sample reporting limit.
(2) -- Toxicity criteria not available for exposure route.

Table 7 (Continued)
Tier 1 Screening: Soil Inhalation Exposure Route
Industrial/Commercial Worker
November 2000 Site Investigation
A Portion of Willow Street Station

Compound/Analyte	Tier 1 Screening Level (mg/kg)	Sample Location and Depth (feet below ground surface)/Concentration				
		SB-04 7-9	SB-05 1-3	SB-05 7-9	SB-06 1-3	SB-06 7-9
BTEX (mg/kg)						
Benzene	1.6	0.002 U	0.004	3.80	0.009	2.80
Ethylbenzene	400	0.005 U	0.005 U	0.126	0.005	3.98
Toluene	650	0.005 U	0.005 U	0.015	0.005 U	0.045
Xylenes (total)	320	0.005 U	0.005 U	0.333	0.005 U	0.670
Phenols (mg/kg)						
2,4-Dimethylphenol	--	0.330 U	0.330 U	0.330 U	0.330 U	0.330 U
2-Methylphenol	--	0.330 U	0.330 U	0.330 U	0.330 U	0.330 U
4-Methylphenol	--	0.330 U	0.330 U	0.330 U	0.330 U	0.330 U
Phenol	--	0.330 U	0.330 U	0.330 U	0.330 U	0.330 U
PAHs (mg/kg)						
Acenaphthene	--	0.356	0.088	2.56	0.116	1.48
Acenaphthylene	--	2.11	1.05	0.979	0.295	0.829
Anthracene	--	1.95	0.516	4.03	0.271	2.56
Benzo(a)anthracene	--	4.71	2.69	5.06	1.24	2.46
Benzo(b)fluoranthene	--	3.41	3.23	3.24	0.341	1.50
Benzo(k)fluoranthene	--	2.38	2.05	2.85	0.410	1.57
Benzo(g,h,i)perylene	--	1.93	2.36	3.11	0.606	1.57
Benzo(a)pyrene	--	4.53	4.13	5.60	0.433	2.75
Chrysene	--	5.35	2.87	4.68	1.45	2.62
Dibenzo(a,h)anthracene	--	0.931	0.317	0.469	0.328	0.328
Fluoranthene	--	6.89	4.67	11.9	1.89	4.64
Fluorene	--	0.705	0.172	2.42	0.033	1.28
Naphthalene	270	0.127	0.122	6.74	0.368	25.7
Phenanthrene	--	3.48	1.59	15.9	1.24	7.21
Pyrene	--	10.3	6.63	15.7	2.24	6.41
Dibenzofuran	--	0.249	0.054	0.105	0.113	0.063
2-Methylnaphthalene	--	0.041	0.068	0.291	0.217	1.81
Metals and Total Cyanide (mg/kg)						
Arsenic	1,200	0.484	0.486	1.97	0.294	0.962
Barium	910,000	26.6	30.0	29.4	22.3	25.3
Cadmium	2,800	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Chromium	420	3.00	4.71	5.41	6.70	4.39
Copper	--	14.2	23.5	22.5	13.1	15.9
Iron	--	5300	3710	5930	24800	5270
Lead	--	14.5	208	39.9	19.4	30.2
Manganese	91,000	991	147	266	531	228
Mercury	540,000	0.268	0.465	0.188	0.199	0.124
Nickel	21,000	13.5	6.75	13.0	5.23	9.03
Selenium	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
Silver	--	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Zinc	--	17.4	62.9	53.1	17.0	28.4
Total Cyanide	--	4.67	1.58	0.100 U	2.46	1.09

Note:
(1) U - Indicates compound/analyte was analyzed for but not detected, the associated value is the sample reporting limit.
(2) -- Toxicity criteria not available for exposure route.
(3) Shaded values exceeded Tier 1 screening level.

Table 7 (Continued)
Tier 1 Screening: Soil Inhalation Exposure Route
Industrial/Commercial Worker
November 2000 Site Investigation
A Portion of Willow Street Station

Compound/Analyte	Tier 1 Screening Level (mg/kg)	Sample Location and Depth (feet below ground surface)/Concentration			
		SB-07 3-5	SB-07 8-9	SB-08 1-3	SB-08 7-8
BTEX (mg/kg)					
Benzene	1.6	0.006	0.061	0.007	0.002 U
Ethylbenzene	400	0.005 U	0.022	0.005 U	0.005 U
Toluene	650	0.005 U	0.045	0.005 U	0.005 U
Xylenes (total)	320	0.005 U	0.135	0.005 U	0.005 U
Phenols (mg/kg)					
2,4-Dimethylphenol	--	0.330 U	0.330 U	0.330 U	0.330 U
2-Methylphenol	--	0.330 U	0.330 U	0.330 U	0.330 U
4-Methylphenol	--	0.330 U	0.330 U	0.330 U	0.330 U
Phenol	--	0.330 U	0.330 U	0.330 U	0.330 U
PAHs (mg/kg)					
Acenaphthene	--	0.027	0.321	0.138	0.025 U
Acenaphthylene	--	0.589	0.459	1.66	0.049
Anthracene	--	0.166	0.742	0.336	0.025 U
Benzo(a)anthracene	--	0.816	2.02	1.35	0.082
Benzo(b)fluoranthene	--	0.411	0.414	1.07	0.025 U
Benzo(k)fluoranthene	--	0.331	0.744	0.882	0.037
Benzo(g,h,i)perylene	--	0.266	0.469	0.963	0.029
Benzo(a)pyrene	--	0.445	1.86	0.621	0.035
Chrysene	--	0.853	1.93	1.77	0.097
Dibenzo(a,h)anthracene	--	0.161	0.256	0.482	0.025 U
Fluoranthene	--	0.560	2.93	1.00	0.047
Fluorene	--	0.161	0.775	0.148	0.025 U
Naphthalene	270	0.069	0.570	1.40	0.025 U
Phenanthrene	--	0.194	2.34	0.310	0.025 U
Pyrene	--	0.955	4.12	1.68	0.080
Dibenzofuran	--	0.048	0.089	0.144	0.025 U
2-Methylnaphthalene	--	0.090	0.139	0.253	0.025 U
Metals and Total Cyanide (mg/kg)					
Arsenic	1,200	1.99	3.58	1.58	0.230
Barium	910,000	26.6	31.0	38.4	16.2
Cadmium	2,800	0.500 U	0.500 U	2.31	0.500 U
Chromium	420	3.26	3.87	10.9	2.32
Copper	--	28.1	26.8	50.2	17.6
Iron	--	6000	7520	8400	3060
Lead	--	93.1	65.6	1210	16.0
Manganese	91,000	253	184	211	245
Mercury	540,000	0.296	0.499	1.23	0.691
Nickel	21,000	8.80	10.5	9.31	8.51
Selenium	--	1.00 U	1.00 U	1.00 U	1.00 U
Silver	--	0.500 U	0.500 U	0.500 U	0.500 U
Zinc	--	59.3	58.9	254	13.0
Total Cyanide	--	3.17	1.10	6.79	2.12

Note:
(1) U - Indicates compound/analyte was analyzed for but not detected, the associated value is the sample reporting limit.
(2) -- Toxicity criteria not available for exposure route.

Table 8
Tier 1 Screening: Soil Inhalation Exposure Route
Construction Worker
A Portion of Willow Street Station

Compound/Analyte	Tier 1 Screening Level	Sample Location and Depth (feet below ground surface)/Concentration			
		SP01-001 14-16	SP02-001 7-8	SP03-001 10-11	SP05-001 2-3
		WT ~ NE	WT ~ NE	WT ~ NE	WT ~ NE
TCL Volatiles (mg/kg)					
Acetone	100,000	0.08 U	0.086 U	0.048 U	0.054 U
Benzene	2.2	1.5	10	0.0097	0.011 U
Bromodichloromethane	3,000	0.016 U	0.017 U	0.0095 U	0.011 U
Bromoform	140	0.016 U	0.017 U	0.0095 U	0.011 U
Bromomethane	3.9	0.032 U	0.034 U	0.019 U	0.022 U
2-Butanone	--	0.032 U	0.034 U	0.019 U	0.022 U
Carbon Disulfide	9	0.016 U	0.017 U	0.0095 U	0.011 U
Carbon Tetrachloride	0.90	0.016 U	0.017 U	0.0095 U	0.011 U
Chlorobenzene	1.3	0.016 U	0.017 U	0.0095 U	0.011 U
Chloroethane	--	0.032 U	0.034 U	0.019 U	0.022 U
Chloroform	0.76	0.016 U	0.017 U	0.0095 U	0.011 U
Chloromethane	--	0.016 U	0.017 U	0.0095 U	0.011 U
Dibromochloromethane	1,300	0.016 U	0.017 U	0.0095 U	0.011 U
1,1-Dichloroethane	130	0.016 U	0.017 U	0.0095 U	0.011 U
1,2-Dichloroethane	0.99	0.016 U	0.017 U	0.0095 U	0.011 U
1,1-Dichloroethene	300	0.016 U	0.017 U	0.0095 U	0.011 U
cis-1,2-Dichloroethene	1,200	0.016 U	0.017 U	0.0095 U	0.011 U
trans-1,2-Dichloroethene	3,100	0.016 U	0.017 U	0.0095 U	0.011 U
1,2-Dichloropropane	0.50	0.016 U	0.017 U	0.0095 U	0.011 U
cis-1,3-Dichloropropene	0.39	0.016 U	0.017 U	0.0095 U	0.011 U
trans-1,3-Dichloropropene	0.39	0.016 U	0.017 U	0.0095 U	0.011 U
Ethylbenzene	58	5.6	0.091	0.0095 U	0.011 U
2-Hexanone	--	0.032 U	0.034 U	0.019 U	0.022 U
4-Methyl-2-Pentanone	--	0.032 U	0.034 U	0.019 U	0.022 U
Methylene Chloride	34	0.032 U	0.034 U	0.019 U	0.022 U
Styrene	430	0.041	0.017 U	0.0095 U	0.011 U
1,1,2,2-Tetrachloroethane	--	0.016 U	0.017 U	0.0095 U	0.011 U
Tetrachloroethene	28	0.016 U	0.017 U	0.0095 U	0.011 U
Toluene	42	0.056	0.028	0.0095 U	0.011 U
1,1,1-Trichloroethane	1,200	0.016 U	0.017 U	0.0095 U	0.011 U
1,1,2-Trichloroethane	1,800	0.016 U	0.017 U	0.0095 U	0.011 U
Trichloroethene	12	0.016 U	0.017 U	0.0095 U	0.011 U
Vinyl Chloride	1.1	0.016 U	0.017 U	0.0095 U	0.011 U
m,p-Xylene	320	0.069	0.21	0.083	0.011 U
o-Xylene	320	0.52	0.065	0.011	0.011 U

Notes:
(1) U - Indicates compound/analyte was analyzed for but not detected, the associated value is the sample reporting limit.
(2) WT ~ NE - Water Table Not Encountered.
(3) Shaded values exceeded Tier 1 screening level.
(4) -- Toxicity criteria not available for exposure route.

Table 8 (Continued)
Tier 1 Screening: Soil Inhalation Exposure Route
Construction Worker
A Portion of Willow Street Station

Compound/Analyte	Tier 1 Screening Level	Sample Location and Depth (feet below ground surface)/Concentration			
		SP01-001 14-16	SP02-001 7-8	SP03-001 10-11	SP05-001 2-3
		WT ~ NE	WT ~ NE	WT ~ NE	WT ~ NE
TCL Semivolatiles (mg/kg)					
Bis(2-chloroethoxy)methane	--	0.43 U	0.39 U	0.39 U	0.38 U
Bis(2-chloroethyl)ether	0.66	0.43 U	0.39 U	0.39 U	0.38 U
Bis(2-ethylhexyl)phthalate	31,000	0.43 U	0.39 U	0.39 U	0.38 U
4-Bromophenyl phenyl ether	--	0.43 U	0.39 U	0.39 U	0.38 U
Butyl benzyl phthalate	930	0.43 U	0.39 U	0.39 U	0.38 U
Carbazole	--	3.5	0.39 U	0.39 U	0.38 U
4-Chloro-3-methylphenol	--	0.43 U	0.39 U	0.39 U	0.38 U
4-Chloroaniline	--	0.43 U	0.39 U	0.39 U	0.38 U
2-Chloronaphthalene	--	0.43 U	0.39 U	0.39 U	0.38 U
2-Chlorophenol	53,000	0.43 U	0.39 U	0.39 U	0.38 U
4-Chlorophenyl phenyl ether	--	0.43 U	0.39 U	0.39 U	0.38 U
Dibenzofuran	--	2.7	0.39 U	0.39 U	0.38 U
1,2-Dichlorobenzene	310	0.43 U	0.39 U	0.39 U	0.38 U
1,3-Dichlorobenzene	--	0.43 U	0.39 U	0.39 U	0.38 U
1,4-Dichlorobenzene	340	0.43 U	0.39 U	0.39 U	0.38 U
3,3´-Dichlorobenzidine	--	0.86 U	0.79 U	0.78 U	0.76 U
2,4-Dichlorophenol	--	0.43 U	0.39 U	0.39 U	0.38 U
Diethyl phthalate	2,000	0.43 U	0.39 U	0.39 U	0.38 U
Dimethyl phthalate	--	0.43 U	0.39 U	0.39 U	0.38 U
Di-n-butyl phthalate	2,300	0.43 U	0.39 U	0.39 U	0.38 U
2,4-Dimethylphenol	--	0.43 U	0.39 U	0.39 U	0.38 U
4,6-Dinitro-2-methylphenol	--	2.1 U	1.9 U	1.9 U	1.8 U
2,4-Dinitrophenol	--	2.1 U	1.9 U	1.9 U	1.8 U
2,4-Dinitrotoluene	--	0.33 U	0.3 U	0.29 U	0.29 U
2,6-Dinitrotoluene	--	0.33 U	0.3 U	0.29 U	0.29 U
Di-n-octyl phthalate	10,000	0.43 U	0.39 U	0.39 U	0.38 U
Hexachlorobenzene	2.6	0.43 U	0.39 U	0.39 U	0.38 U
Hexachlorobutadiene	--	0.43 U	0.39 U	0.39 U	0.38 U
Hexachlorocyclopentadiene	1.1	0.43 U	0.39 U	0.39 U	0.38 U
Hexachloroethane	--	0.43 U	0.39 U	0.39 U	0.38 U
Isophorone	4,600	0.43 U	0.39 U	0.39 U	0.38 U
2-Methylnaphthalene	--	30	6.9	0.39 U	0.39
2-Methylphenol	--	0.43 U	0.39 U	0.39 U	0.38 U
4-Methylphenol	--	0.43 U	0.39 U	0.39 U	0.38 U
2-Nitroaniline	--	2.1 U	1.9 U	1.9 U	1.8 U
3-Nitroaniline	--	2.1 U	1.9 U	1.9 U	1.8 U
4-Nitroaniline	--	2.1 U	1.9 U	1.9 U	1.8 U
Nitrobenzene	9.4	0.43 U	0.39 U	0.39 U	0.38 U
2-Nitrophenol	--	2.1 U	1.9 U	1.9 U	1.8 U
4-Nitrophenol	--	2.1 U	1.9 U	1.9 U	1.8 U
N-Nitrosodi-n-propylamine	--	0.43 U	0.39 U	0.39 U	0.38 U
N-Nitrosodiphenylamine	--	0.43 U	0.39 U	0.39 U	0.38 U
2,2'-oxybis(1-Chloropropane)	--	0.43 U	0.39 U	0.39 U	0.38 U
Pentachlorophenol	--	2.1 U	1.9 U	1.9 U	1.8 U
Phenol	--	0.43 U	0.39 U	0.39 U	0.38 U
1,2,4-Trichlorobenzene	920	0.43 U	0.39 U	0.39 U	0.38 U
2,4,5-Trichlorophenol	--	0.86 U	0.79 U	0.78 U	0.76 U
2,4,6-Trichlorophenol	540	0.43 U	0.39 U	0.39 U	0.38 U

Notes:
(1) U - Indicates compound/analyte was analyzed for but not detected, the associated value is the sample reporting limit.
(2) WT ~ NE - Water Table Not Encountered.
(3) -- Toxicity criteria not available for exposure route.

Table 8 (Continued)
Tier 1 Screening: Soil Inhalation Exposure Route
Construction Worker
A Portion of Willow Street Station

Compound/Analyte	Tier 1 Screening Level	Sample Location and Depth (feet below ground surface)/Concentration			
		SP01-001 14-16	SP02-001 7-8	SP03-001 10-11	SP05-001 2-3
		WT ~ NE	WT ~ NE	WT ~ NE	WT ~ NE
PAHs (mg/kg)					
Acenaphthene	--	76	3.7	0.029 U	0.058
Acenaphthylene	--	24	0.47	0.029 U	1.7
Anthracene	--	88	2.2	0.029 U	0.49
Benzo(a)anthracene	--	51	1	0.029 U	2.3
Benzo(b)fluoranthene	--	42	0.71	0.029 U	3.6
Benzo(k)fluoranthene	--	37	0.67	0.029 U	3.2
Benzo(g,h,i)perylene	--	39	0.69	0.029 U	1.9
Benzo(a)pyrene	--	67	1.2	0.029 U	3.4
Chrysene	--	51	0.96	0.029 U	2.6
Dibenzo(a,h)anthracene	--	6.6	0.15	0.029 U	0.65
Fluoranthene	--	180	2.7	0.03	2.3
Fluorene	--	65	1.9	0.029 U	0.35
Indeno(1,2,3-cd)pyrene	--	30	0.52	0.029 U	1.7
Naphthalene	1.8	400	1.3	0.029	1.7
Phenanthrene	--	300	4.6	0.064	0.62
Pyrene	--	230	3.5	0.045	3.6
PCBs (mg/kg)					
Aroclor 1016	--	0.1 U	0.099 U	0.095 U	0.093 U
Aroclor 1221	--	0.1 U	0.099 U	0.095 U	0.093 U
Aroclor 1232	--	0.1 U	0.099 U	0.095 U	0.093 U
Aroclor 1242	--	0.1 U	0.099 U	0.095 U	0.093 U
Aroclor 1248	--	0.1 U	0.099 U	0.095 U	0.093 U
Aroclor 1254	--	0.21 U	0.2 U	0.19 U	0.19 U
Aroclor 1260	--	0.21 U	0.2 U	0.19 U	0.19 U
Priority Pollutant Metals and Total Cyanide (mg/kg)					
Antimony	--	1.4 J	1.2 J	1.2 UJ	1.3 J
Arsenic	25,000	21	20	4.3	9.4
Beryllium	44,000	0.83	0.99	0.62	0.66
Cadmium	59,000	0.76	0.6 U	0.58 U	0.94
Chromium	690	18	22	27	18
Copper	--	48 J	33 J	29 J	54 J
Lead	--	120	25	14	210 J
Mercury	52,000	0.39	0.037	0.03 U	0.61
Nickel	440,000	34	38	39	22 J
Selenium	--	1.3 U	1.2 U	1.2 U	1.1 U
Silver	--	1.3 U	1.2 U	1.2 U	1.1 U
Thallium	--	1.3	1.4	1.3	1.1 U
Zinc	--	130 J	61 J	71 J	180
Total Cyanide	--	0.33 U	0.31 U	0.3 U	0.29 U

Notes:
(1) U - Indicates compound/analyte was analyzed for but not detected, the associated value is the sample reporting limit.
(2) J - Indicates an estimated value.
(3) WT ~ NE - Water Table Not Encountered.
(4) Shaded values exceeded Tier 1 screening level.
(5) -- Toxicity criteria not available for exposure route.

Table 8 (Continued)
Tier 1 Screening: Soil Inhalation Exposure Route
Construction Worker
A Portion of Willow Street Station

Compound/Analyte	Tier 1 Screening Level	Sample Location and Depth (feet below ground surface)/Concentration			
		SP05-002 6-8	SP06B-001 1-3	SP06B-002 9-11	SP07-001 2-3
		WT ~ NE	WT ~ NE	WT ~ NE	WT ~ NE
TCL Volatiles (mg/kg)					
Acetone	100,000	0.042 U	0.053 U	0.073	0.16
Benzene	2.2	0.0083 U	0.017	0.045	0.018 U
Bromodichloromethane	3,000	0.0083 U	0.011 U	0.012 U	0.018 U
Bromoform	140	0.0083 U	0.011 U	0.012 U	0.018 U
Bromomethane	3.9	0.017 U	0.021 U	0.024 U	0.036 U
2-Butanone	--	0.017 U	0.021 U	0.024 U	0.066
Carbon Disulfide	9	0.0083 U	0.011 U	0.012 U	0.018 U
Carbon Tetrachloride	0.90	0.0083 U	0.011 U	0.012 U	0.018 U
Chlorobenzene	1.3	0.0083 U	0.011 U	0.012 U	0.018 U
Chloroethane	--	0.017 U	0.021 U	0.024 U	0.036 U
Chloroform	0.76	0.0083 U	0.011 U	0.012 U	0.018 U
Chloromethane	--	0.0083 U	0.011 U	0.012 U	0.018 U
Dibromochloromethane	1,300	0.0083 U	0.011 U	0.012 U	0.018 U
1,1-Dichloroethane	130	0.0083 U	0.011 U	0.012 U	0.018 U
1,2-Dichloroethane	0.99	0.0083 U	0.011 U	0.012 U	0.018 U
1,1-Dichloroethene	300	0.0083 U	0.011 U	0.012 U	0.018 U
cis-1,2-Dichloroethene	1,200	0.0083 U	0.011 U	0.012 U	0.018 U
trans-1,2-Dichloroethene	3,100	0.0083 U	0.011 U	0.012 U	0.018 U
1,2-Dichloropropane	0.50	0.0083 U	0.011 U	0.012 U	0.018 U
cis-1,3-Dichloropropene	0.39	0.0083 U	0.011 U	0.012 U	0.018 U
trans-1,3-Dichloropropene	0.39	0.0083 U	0.011 U	0.012 U	0.018 U
Ethylbenzene	58	0.0083 U	0.011 U	0.012 U	0.018 U
2-Hexanone	--	0.017 U	0.021 U	0.024 U	0.036 U
4-Methyl-2-Pentanone	--	0.017 U	0.021 U	0.024 U	0.036 U
Methylene Chloride	34	0.017 U	0.021 U	0.024 U	0.036 U
Styrene	430	0.0083 U	0.011 U	0.012 U	0.018 U
1,1,2,2-Tetrachloroethane	--	0.0083 U	0.011 U	0.012 U	0.018 U
Tetrachloroethene	28	0.0083 U	0.011 U	0.012 U	0.018 U
Toluene	42	0.0083 U	0.014	0.012 U	0.018 U
1,1,1-Trichloroethane	1,200	0.0083 U	0.011 U	0.012 U	0.018 U
1,1,2-Trichloroethane	1,800	0.0083 U	0.011 U	0.012 U	0.018 U
Trichloroethene	12	0.0083 U	0.011 U	0.012 U	0.018 U
Vinyl Chloride	1.1	0.0083 U	0.011 U	0.012 U	0.018 U
m,p-Xylene	320	0.0083 U	0.011 U	0.012 U	0.018 U
o-Xylene	320	0.0083 U	0.011 U	0.012 U	0.018 U

Notes:
(1) U - Indicates compound/analyte was analyzed for but not detected, the associated value is the sample reporting limit.
(2) WT ~ NE - Water Table Not Encountered.
(3) -- Toxicity criteria not available for exposure route.

Table 8 (Continued)
Tier 1 Screening: Soil Inhalation Exposure Route
Construction Worker
A Portion of Willow Street Station

Compound/Analyte	Tier 1 Screening Level	Sample Location and Depth (feet below ground surface)/Concentration			
		SP05-002 6-8	SP06B-001 1-3	SP06B-002 9-11	SP07-001 2-3
		WT ~ NE	WT ~ NE	WT ~ NE	WT ~ NE
TCL Semivolatiles (mg/kg)					
Bis(2-chloroethoxy)methane	--	0.39 U	0.44 U	0.4 U	0.4 U
Bis(2-chloroethyl)ether	0.66	0.39 U	0.44 U	0.4 U	0.4 U
Bis(2-ethylhexyl)phthalate	31,000	0.39 U	0.44 U	0.4 U	0.4 U
4-Bromophenyl phenyl ether	--	0.39 U	0.44 U	0.4 U	0.4 U
Butyl benzyl phthalate	930	0.39 U	0.44 U	0.4 U	0.4 U
Carbazole	--	0.64	0.44 U	0.4 U	0.4 U
4-Chloro-3-methylphenol	--	0.39 U	0.44 U	0.4 U	0.4 U
4-Chloroaniline	--	0.39 U	0.44 U	0.4 U	0.4 U
2-Chloronaphthalene	--	0.39 U	0.44 U	0.4 U	0.4 U
2-Chlorophenol	53,000	0.39 U	0.44 U	0.4 U	0.4 U
4-Chlorophenyl phenyl ether	--	0.39 U	0.44 U	0.4 U	0.4 U
Dibenzofuran	--	0.39 U	0.44 U	0.4 U	0.4 U
1,2-Dichlorobenzene	310	0.39 U	0.44 U	0.4 U	0.4 U
1,3-Dichlorobenzene	--	0.39 U	0.44 U	0.4 U	0.4 U
1,4-Dichlorobenzene	340	0.39 U	0.44 U	0.4 U	0.4 U
3,3´-Dichlorobenzidine	--	0.79 U	0.88 U	0.81 U	0.8 U
2,4-Dichlorophenol	--	0.39 U	0.44 U	0.4 U	0.4 U
Diethyl phthalate	2,000	0.39 U	0.44 U	0.4 U	0.4 U
Dimethyl phthalate	--	0.39 U	0.44 U	0.4 U	0.4 U
Di-n-butyl phthalate	2,300	0.39 U	0.44 U	0.4 U	0.4 U
2,4-Dimethylphenol	--	0.39 U	0.44 U	0.4 U	0.4 U
4,6-Dinitro-2-methylphenol	--	1.9 U	2.1 U	2 U	1.9 U
2,4-Dinitrophenol	--	1.9 U	2.1 U	2 U	1.9 U
2,4-Dinitrotoluene	--	0.3 U	0.33 U	0.31 U	0.3 U
2,6-Dinitrotoluene	--	0.3 U	0.33 U	0.31 U	0.3 U
Di-n-octyl phthalate	10,000	0.39 U	0.44 U	0.4 U	0.4 U
Hexachlorobenzene	2.6	0.39 U	0.44 U	0.4 U	0.4 U
Hexachlorobutadiene	--	0.39 U	0.44 U	0.4 U	0.4 U
Hexachlorocyclopentadiene	1.1	0.39 U	0.44 U	0.4 U	0.4 U
Hexachloroethane	--	0.39 U	0.44 U	0.4 U	0.4 U
Isophorone	4,600	0.39 U	0.44 U	0.4 U	0.4 U
2-Methylnaphthalene	--	0.39 U	0.44 U	0.4 U	0.4 U
2-Methylphenol	--	0.39 U	0.44 U	0.4 U	0.4 U
4-Methylphenol	--	0.39 U	0.44 U	0.4 U	0.4 U
2-Nitroaniline	--	1.9 U	2.1 U	2 U	1.9 U
3-Nitroaniline	--	1.9 U	2.1 U	2 U	1.9 U
4-Nitroaniline	--	1.9 U	2.1 U	2 U	1.9 U
Nitrobenzene	9.4	0.39 U	0.44 U	0.4 U	0.4 U
2-Nitrophenol	--	1.9 U	2.1 U	2 U	1.9 U
4-Nitrophenol	--	1.9 U	2.1 U	2 U	1.9 U
N-Nitrosodi-n-propylamine	--	0.39 U	0.44 U	0.4 U	0.4 U
N-Nitrosodiphenylamine	--	0.39 U	0.44 U	0.4 U	0.4 U
2,2'-oxybis(1-Chloropropane)	--	0.39 U	0.44 U	0.4 U	0.4 U
Pentachlorophenol	--	1.9 U	2.1 U	2 U	1.9 U
Phenol	--	0.39 U	0.44 U	0.4 U	0.4 U
1,2,4-Trichlorobenzene	920	0.39 U	0.44 U	0.4 U	0.4 U
2,4,5-Trichlorophenol	--	0.79 U	0.88 U	0.81 U	0.8 U
2,4,6-Trichlorophenol	540	0.39 U	0.44 U	0.4 U	0.4 U

Notes:
(1) U - Indicates compound/analyte was analyzed for but not detected, the associated value is the sample reporting limit.
(2) WT ~ NE - Water Table Not Encountered.
(3) -- Toxicity criteria not available for exposure route.

Table 8 (Continued)
Tier 1 Screening: Soil Inhalation Exposure Route
Construction Worker
A Portion of Willow Street Station

Compound/Analyte	Tier 1 Screening Level	Sample Location and Depth (feet below ground surface)/Concentration			
		SP05-002 6-8	SP06B-001 1-3	SP06B-002 9-11	SP07-001 2-3
		WT ~ NE	WT ~ NE	WT ~ NE	WT ~ NE
PAHs (mg/kg)					
Acenaphthene	--	1.2	0.033 U	0.031 U	0.22
Acenaphthylene	--	0.15	0.033 U	0.031 U	1.1
Anthracene	--	3.7	0.05	0.031 U	0.45
Benzo(a)anthracene	--	5.6	0.18	0.031 U	1.8
Benzo(b)fluoranthene	--	3.4	0.033 U	0.031 U	2.1
Benzo(k)fluoranthene	--	3.6	0.037	0.031 U	2
Benzo(g,h,i)perylene	--	1.1	0.04	0.031 U	0.92
Benzo(a)pyrene	--	3.9	0.064	0.031 U	1.8
Chrysene	--	5.4	0.23	0.031 U	2.2
Dibenzo(a,h)anthracene	--	0.66	0.033 U	0.031 U	0.46
Fluoranthene	--	18	0.14	0.031 U	1.9
Fluorene	--	0.6	0.033 U	0.031 U	0.22
Indeno(1,2,3-cd)pyrene	--	1.3	0.033 U	0.031 U	0.86
Naphthalene	1.8	0.072	0.058	0.053	0.13
Phenanthrene	--	7.6	0.18	0.031 U	0.42
Pyrene	--	15	0.41	0.031 U	2.9
PCBs (mg/kg)					
Aroclor 1016	--	0.093 U	0.1 U	0.093 U	0.095 U
Aroclor 1221	--	0.093 U	0.1 U	0.093 U	0.095 U
Aroclor 1232	--	0.093 U	0.1 U	0.093 U	0.095 U
Aroclor 1242	--	0.093 U	0.1 U	0.093 U	0.095 U
Aroclor 1248	--	0.093 U	0.1 U	0.093 U	0.095 U
Aroclor 1254	--	0.19 U	0.21 U	0.19 U	0.19 U
Aroclor 1260	--	0.19 U	0.21 U	0.19 U	0.19 U
Priority Pollutant Metals and Total Cyanide (mg/kg)					
Antimony	--	1.1 UJ	1.2 UJ	1.2 UJ	1.2 UJ
Arsenic	25,000	2.9	3.4	6.4	9.7
Beryllium	44,000	0.57 U	0.62 U	0.58 U	0.59 U
Cadmium	59,000	0.57 U	0.62 U	0.58 U	0.59 U
Chromium	690	4.7	14	18	17
Copper	--	4.1 J	16 J	29 J	31 J
Lead	--	20	73 J	18	53 J
Mercury	52,000	0.053	0.16	0.029 U	2.5
Nickel	440,000	4.5	17 J	30	31 J
Selenium	--	1.1 U	1.2 U	1.2 U	1.2 U
Silver	--	1.1 U	1.2 U	1.2 U	1.2 U
Thallium	--	1.1 U	1.2 U	1.2 U	1.2 U
Zinc	--	48 J	52	44 J	60
Total Cyanide	--	0.3 U	0.34 U	0.31 U	0.3 U

Notes:
(1) U - Indicates compound/analyte was analyzed for but not detected, the associated value is the sample reporting limit.
(2) J - Indicates an estimated value.
(3) WT ~ NE - Water Table Not Encountered.
(4) -- Toxicity criteria not available for exposure route.

Table 8 (Continued)
Tier 1 Screening: Soil Inhalation Exposure Route
Construction Worker
A Portion of Willow Street Station

Compound/Analyte	Tier 1 Screening Level	Sample Location and Depth (feet below ground surface)/Concentration			
		SP07-002 7-8	SP07-003 9-11	SP08-001 2-3	SP08-002 6-7
		WT ~ NE	WT ~ NE	WT ~ NE	WT ~ NE
TCL Volatiles (mg/kg)					
Acetone	100,000	0.16	0.039 U	0.093 U	0.054
Benzene	2.2	0.02 U	0.0078 U	0.036	0.01 U
Bromodichloromethane	3,000	0.02 U	0.0078 U	0.019 U	0.01 U
Bromoform	140	0.02 U	0.0078 U	0.019 U	0.01 U
Bromomethane	3.9	0.039 U	0.016 U	0.037 U	0.02 U
2-Butanone	--	0.075	0.016 U	0.049	0.033
Carbon Disulfide	9	0.02 U	0.0078 U	0.019 U	0.01 U
Carbon Tetrachloride	0.90	0.02 U	0.0078 U	0.019 U	0.01 U
Chlorobenzene	1.3	0.02 U	0.0078 U	0.019 U	0.01 U
Chloroethane	--	0.039 U	0.016 U	0.037 U	0.02 U
Chloroform	0.76	0.02 U	0.0078 U	0.019 U	0.01 U
Chloromethane	--	0.02 U	0.0078 U	0.019 U	0.01 U
Dibromochloromethane	1,300	0.02 U	0.0078 U	0.019 U	0.01 U
1,1-Dichloroethane	130	0.02 U	0.0078 U	0.019 U	0.01 U
1,2-Dichloroethane	0.99	0.02 U	0.0078 U	0.019 U	0.01 U
1,1-Dichloroethene	300	0.02 U	0.0078 U	0.019 U	0.01 U
cis-1,2-Dichloroethene	1,200	0.02 U	0.0078 U	0.019 U	0.01 U
trans-1,2-Dichloroethene	3,100	0.02 U	0.0078 U	0.019 U	0.01 U
1,2-Dichloropropane	0.50	0.02 U	0.0078 U	0.019 U	0.01 U
cis-1,3-Dichloropropene	0.39	0.02 U	0.0078 U	0.019 U	0.01 U
trans-1,3-Dichloropropene	0.39	0.02 U	0.0078 U	0.019 U	0.01 U
Ethylbenzene	58	0.02 U	0.0078 U	0.11	0.01 U
2-Hexanone	--	0.039 U	0.016 U	0.037 U	0.02 U
4-Methyl-2-Pentanone	--	0.039 U	0.016 U	0.037 U	0.02 U
Methylene Chloride	34	0.039 U	0.016 U	0.037 U	0.02 U
Styrene	430	0.02 U	0.0078 U	0.019 U	0.01 U
1,1,2,2-Tetrachloroethane	--	0.02 U	0.0078 U	0.019 U	0.01 U
Tetrachloroethene	28	0.02 U	0.0078 U	0.019 U	0.01 U
Toluene	42	0.02 U	0.0078 U	0.028	0.01 U
1,1,1-Trichloroethane	1,200	0.02 U	0.0078 U	0.019 U	0.01 U
1,1,2-Trichloroethane	1,800	0.02 U	0.0078 U	0.019 U	0.01 U
Trichloroethene	12	0.02 U	0.0078 U	0.019 U	0.01 U
Vinyl Chloride	1.1	0.02 U	0.0078 U	0.019 U	0.01 U
m,p-Xylene	320	0.02 U	0.0078 U	0.065	0.01 U
o-Xylene	320	0.02 U	0.0078 U	0.044	0.01 U

Notes:
(1) U - Indicates compound/analyte was analyzed for but not detected, the associated value is the sample reporting limit.
(2) WT ~ NE - Water Table Not Encountered.
(3) -- Toxicity criteria not available for exposure route.

Table 8 (Continued)
Tier 1 Screening: Soil Inhalation Exposure Route
Construction Worker
A Portion of Willow Street Station

Compound/Analyte	Tier 1 Screening Level	Sample Location and Depth (feet below ground surface)/Concentration			
		SP07-002 7-8	SP07-003 9-11	SP08-001 2-3	SP08-002 6-7
		WT ~ NE	WT ~ NE	WT ~ NE	WT ~ NE
TCL Semivolatiles (mg/kg)					
Bis(2-chloroethoxy)methane	--	0.43 U	0.4 U	20 U	0.45 U
Bis(2-chloroethyl)ether	0.66	0.43 U	0.4 U	20 U	0.45 U
Bis(2-ethylhexyl)phthalate	31,000	0.43 U	0.4 U	20 U	0.45 U
4-Bromophenyl phenyl ether	--	0.43 U	0.4 U	20 U	0.45 U
Butyl benzyl phthalate	930	0.43 U	0.4 U	20 U	0.45 U
Carbazole	--	0.48	0.4 U	20 U	0.45 U
4-Chloro-3-methylphenol	--	0.43 U	0.4 U	20 U	0.45 U
4-Chloroaniline	--	0.43 U	0.4 U	20 U	0.45 U
2-Chloronaphthalene	--	0.43 U	0.4 U	20 U	0.45 U
2-Chlorophenol	53,000	0.43 U	0.4 U	20 U	0.45 U
4-Chlorophenyl phenyl ether	--	0.43 U	0.4 U	20 U	0.45 U
Dibenzofuran	--	0.43 U	0.4 U	20 U	0.45 U
1,2-Dichlorobenzene	310	0.43 U	0.4 U	20 U	0.45 U
1,3-Dichlorobenzene	--	0.43 U	0.4 U	20 U	0.45 U
1,4-Dichlorobenzene	340	0.43 U	0.4 U	20 U	0.45 U
3,3´-Dichlorobenzidine	--	0.87 U	0.8 U	40 U	0.9 U
2,4-Dichlorophenol	--	0.43 U	0.4 U	20 U	0.45 U
Diethyl phthalate	2,000	0.43 U	0.4 U	20 U	0.45 U
Dimethyl phthalate	--	0.43 U	0.4 U	20 U	0.45 U
Di-n-butyl phthalate	2,300	0.43 U	0.4 U	20 U	0.45 U
2,4-Dimethylphenol	--	0.43 U	0.4 U	20 U	0.45 U
4,6-Dinitro-2-methylphenol	--	2.1 U	1.9 U	98 U	2.2 U
2,4-Dinitrophenol	--	2.1 U	1.9 U	98 U	2.2 U
2,4-Dinitrotoluene	--	0.33 U	0.3 U	15 U	0.34 U
2,6-Dinitrotoluene	--	0.33 U	0.3 U	15 U	0.34 U
Di-n-octyl phthalate	10,000	0.43 U	0.4 U	20 U	0.45 U
Hexachlorobenzene	2.6	0.43 U	0.4 U	20 U	0.45 U
Hexachlorobutadiene	--	0.43 U	0.4 U	20 U	0.45 U
Hexachlorocyclopentadiene	1.1	0.43 U	0.4 U	20 U	0.45 U
Hexachloroethane	--	0.43 U	0.4 U	20 U	0.45 U
Isophorone	4,600	0.43 U	0.4 U	20 U	0.45 U
2-Methylnaphthalene	--	0.43 U	0.4 U	20 U	0.45 U
2-Methylphenol	--	0.43 U	0.4 U	20 U	0.45 U
4-Methylphenol	--	0.43 U	0.4 U	20 U	0.45 U
2-Nitroaniline	--	2.1 U	1.9 U	98 U	2.2 U
3-Nitroaniline	--	2.1 U	1.9 U	98 U	2.2 U
4-Nitroaniline	--	2.1 U	1.9 U	98 U	2.2 U
Nitrobenzene	9.4	0.43 U	0.4 U	20 U	0.45 U
2-Nitrophenol	--	2.1 U	1.9 U	98 U	2.2 U
4-Nitrophenol	--	2.1 U	1.9 U	98 U	2.2 U
N-Nitrosodi-n-propylamine	--	0.43 U	0.4 U	20 U	0.45 U
N-Nitrosodiphenylamine	--	0.43 U	0.4 U	20 U	0.45 U
2,2'-oxybis(1-Chloropropane)	--	0.43 U	0.4 U	20 U	0.45 U
Pentachlorophenol	--	2.1 U	1.9 U	98 U	2.2 U
Phenol	--	0.43 U	0.4 U	20 U	0.45 U
1,2,4-Trichlorobenzene	920	0.43 U	0.4 U	20 U	0.45 U
2,4,5-Trichlorophenol	--	0.87 U	0.8 U	40 U	0.9 U
2,4,6-Trichlorophenol	540	0.43 U	0.4 U	20 U	0.45 U

Notes:
(1) U - Indicates compound/analyte was analyzed for but not detected, the associated value is the sample reporting limit.
(2) WT ~ NE - Water Table Not Encountered.
(3) -- Toxicity criteria not available for exposure route.

Table 8 (Continued)
Tier 1 Screening: Soil Inhalation Exposure Route
Construction Worker
A Portion of Willow Street Station

Compound/Analyte	Tier 1 Screening Level	Sample Location and Depth (feet below ground surface)/Concentration			
		SP07-002 7-8	SP07-003 9-11	SP08-001 2-3	SP08-002 6-7
		WT ~ NE	WT ~ NE	WT ~ NE	WT ~ NE
PAHs (mg/kg)					
Acenaphthene	--	0.2	0.03 U	1.5 U	0.034 U
Acenaphthylene	--	0.073	0.03 U	45	0.034 U
Anthracene	--	1.5	0.03 U	13	0.034
Benzo(a)anthracene	--	4.3	0.03 U	85	0.1
Benzo(b)fluoranthene	--	3.7	0.03 U	140	0.11
Benzo(k)fluoranthene	--	3.4	0.03 U	110	0.1
Benzo(g,h,i)perylene	--	0.9	0.03 U	64	0.051
Benzo(a)pyrene	--	3.8	0.03 U	43	0.11
Chrysene	--	4.3	0.03 U	140	0.12
Dibenzo(a,h)anthracene	--	0.42	0.03 U	31	0.034 U
Fluoranthene	--	11	0.03 U	43	0.082
Fluorene	--	0.21	0.03 U	8.9	0.034 U
Indeno(1,2,3-cd)pyrene	--	1	0.03 U	57	0.05
Naphthalene	1.8	0.033 U	0.03 U	1.9	0.11
Phenanthrene	--	2.8	0.03 U	3.7	0.074
Pyrene	--	9.4	0.03 U	82	0.18
PCBs (mg/kg)					
Aroclor 1016	--	0.1 U	0.095 U	1.1 U	0.11 U
Aroclor 1221	--	0.1 U	0.095 U	1.1 U	0.11 U
Aroclor 1232	--	0.1 U	0.095 U	1.1 U	0.11 U
Aroclor 1242	--	0.1 U	0.095 U	1.1 U	0.11 U
Aroclor 1248	--	0.1 U	0.095 U	1.1 U	0.11 U
Aroclor 1254	--	0.21 U	0.19 U	2.2 U	0.23 U
Aroclor 1260	--	0.21 U	0.19 U	2.2 U	0.23 U
Priority Pollutant Metals and Total Cyanide (mg/kg)					
Antimony	--	1.2 UJ	1.2 UJ	1.7 J	1.4 UJ
Arsenic	25,000	6	8.5	36	4.6
Beryllium	44,000	0.62 U	0.58 U	0.71 U	0.71 U
Cadmium	59,000	0.62 U	0.58 U	0.71 U	0.71 U
Chromium	690	17	18	15	16
Copper	--	41 J	28 J	100 J	38 J
Lead	--	37	16	280 J	32
Mercury	52,000	0.8	0.029 U	0.5	0.081
Nickel	440,000	20	33	15 J	21
Selenium	--	1.2 U	1.2 U	1.4 U	1.4 U
Silver	--	1.2 U	1.2 U	1.4 U	1.4 U
Thallium	--	1.2 U	1.2 U	1.4 U	1.4 U
Zinc	--	81 J	43 J	72	79 J
Total Cyanide	--	0.33 U	0.3 U	0.84	0.36 U

Notes:
(1) U - Indicates compound/analyte was analyzed for but not detected, the associated value is the sample reporting limit.
(2) J - Indicates an estimated value.
(3) WT ~ NE - Water Table Not Encountered.
(4) Shaded values exceeded Tier 1 screening level.
(5) -- Toxicity criteria not available for exposure route.

Table 8 (Continued)
Tier 1 Screening: Soil Inhalation Exposure Route
Construction Worker
A Portion of Willow Street Station

Compound/Analyte	Tier 1 Screening Level	Sample Location and Depth (feet below ground surface)/Concentration			
		SP09-001 2-3	SP09-002 6-7	SP10-001 1-2	SP10-002 7-8
		WT ~ NE	WT ~ NE	WT ~ NE	WT ~ NE
TCL Volatiles (mg/kg)					
Acetone	100,000	0.028 U	0.04 U	0.076	0.066
Benzene	2.2	0.0057 U	0.008 U	0.0088 U	0.0082 U
Bromodichloromethane	3,000	0.0057 U	0.008 U	0.0088 U	0.0082 U
Bromoform	140	0.0057 U	0.008 U	0.0088 U	0.0082 U
Bromomethane	3.9	0.011 U	0.016 U	0.018 U	0.016 U
2-Butanone	--	0.011 U	0.016 U	0.028	0.023
Carbon Disulfide	9	0.0057 U	0.008 U	0.0088 U	0.0082 U
Carbon Tetrachloride	0.90	0.0057 U	0.008 U	0.0088 U	0.0082 U
Chlorobenzene	1.3	0.0057 U	0.008 U	0.0088 U	0.0082 U
Chloroethane	--	0.011 U	0.016 U	0.018 U	0.016 U
Chloroform	0.76	0.0057 U	0.008 U	0.0088 U	0.0082 U
Chloromethane	--	0.0057 U	0.008 U	0.0088 U	0.0082 U
Dibromochloromethane	1,300	0.0057 U	0.008 U	0.0088 U	0.0082 U
1,1-Dichloroethane	130	0.0057 U	0.008 U	0.0088 U	0.0082 U
1,2-Dichloroethane	0.99	0.0057 U	0.008 U	0.0088 U	0.0082 U
1,1-Dichloroethene	300	0.0057 U	0.008 U	0.0088 U	0.0082 U
cis-1,2-Dichloroethene	1,200	0.0057 U	0.008 U	0.0088 U	0.0082 U
trans-1,2-Dichloroethene	3,100	0.0057 U	0.008 U	0.0088 U	0.0082 U
1,2-Dichloropropane	0.50	0.0057 U	0.008 U	0.0088 U	0.0082 U
cis-1,3-Dichloropropene	0.39	0.0057 U	0.008 U	0.0088 U	0.0082 U
trans-1,3-Dichloropropene	0.39	0.0057 U	0.008 U	0.0088 U	0.0082 U
Ethylbenzene	58	0.0057 U	0.008 U	0.0088 U	0.0082 U
2-Hexanone	--	0.011 U	0.016 U	0.018 U	0.016 U
4-Methyl-2-Pentanone	--	0.011 U	0.016 U	0.018 U	0.016 U
Methylene Chloride	34	0.011 U	0.016 U	0.018 U	0.016 U
Styrene	430	0.0057 U	0.008 U	0.0088 U	0.0082 U
1,1,2,2-Tetrachloroethane	--	0.0057 U	0.008 U	0.0088 U	0.0082 U
Tetrachloroethene	28	0.0057 U	0.008 U	0.0088 U	0.0082 U
Toluene	42	0.0057 U	0.008 U	0.0088 U	0.0082 U
1,1,1-Trichloroethane	1,200	0.0057 U	0.008 U	0.0088 U	0.0082 U
1,1,2-Trichloroethane	1,800	0.0057 U	0.008 U	0.0088 U	0.0082 U
Trichloroethene	12	0.0057 U	0.008 U	0.0088 U	0.0082 U
Vinyl Chloride	1.1	0.0057 U	0.008 U	0.0088 U	0.0082 U
m,p-Xylene	320	0.0057 U	0.008 U	0.0088 U	0.0082 U
o-Xylene	320	0.0057 U	0.008 U	0.0088 U	0.0082 U

Notes:
(1) U - Indicates compound/analyte was analyzed for but not detected, the associated value is the sample reporting limit.
(2) WT ~ NE - Water Table Not Encountered.
(3) -- Toxicity criteria not available for exposure route.

Table 8 (Continued)
Tier 1 Screening: Soil Inhalation Exposure Route
Construction Worker
A Portion of Willow Street Station

Compound/Analyte	Tier 1 Screening Level	Sample Location and Depth (feet below ground surface)/Concentration			
		SP09-001 2-3	SP09-002 6-7	SP10-001 1-2	SP10-002 7-8
		WT ~ NE	WT ~ NE	WT ~ NE	WT ~ NE
TCL Semivolatiles (mg/kg)					
Bis(2-chloroethoxy)methane	--	3.8 U	0.42 U	0.38 U	0.38 U
Bis(2-chloroethyl)ether	0.66	3.8 U	0.42 U	0.38 U	0.38 U
Bis(2-ethylhexyl)phthalate	31,000	3.8 U	0.42 U	0.38 U	0.38 U
4-Bromophenyl phenyl ether	--	3.8 U	0.42 U	0.38 U	0.38 U
Butyl benzyl phthalate	930	3.8 U	0.42 U	0.38 U	0.38 U
Carbazole	--	5.5	0.42 U	0.75	0.38 U
4-Chloro-3-methylphenol	--	3.8 U	0.42 U	0.38 U	0.38 U
4-Chloroaniline	--	3.8 U	0.42 U	0.38 U	0.38 U
2-Chloronaphthalene	--	3.8 U	0.42 U	0.38 U	0.38 U
2-Chlorophenol	53,000	3.8 U	0.42 U	0.38 U	0.38 U
4-Chlorophenyl phenyl ether	--	3.8 U	0.42 U	0.38 U	0.38 U
Dibenzofuran	--	3.8 U	0.42 U	0.38 U	0.38 U
1,2-Dichlorobenzene	310	3.8 U	0.42 U	0.38 U	0.38 U
1,3-Dichlorobenzene	--	3.8 U	0.42 U	0.38 U	0.38 U
1,4-Dichlorobenzene	340	3.8 U	0.42 U	0.38 U	0.38 U
3,3´-Dichlorobenzidine	--	7.7 U	0.84 U	0.76 U	0.76 U
2,4-Dichlorophenol	--	3.8 U	0.42 U	0.38 U	0.38 U
Diethyl phthalate	2,000	3.8 U	0.42 U	0.38 U	0.38 U
Dimethyl phthalate	--	3.8 U	0.42 U	0.38 U	0.38 U
Di-n-butyl phthalate	2,300	3.8 U	0.42 U	0.38 U	0.38 U
2,4-Dimethylphenol	--	3.8 U	0.42 U	0.38 U	0.38 U
4,6-Dinitro-2-methylphenol	--	19 U	2 U	1.8 U	1.8 U
2,4-Dinitrophenol	--	19 U	2 U	1.8 U	1.8 U
2,4-Dinitrotoluene	--	2.9 U	0.32 U	0.29 U	0.29 U
2,6-Dinitrotoluene	--	2.9 U	0.32 U	0.29 U	0.29 U
Di-n-octyl phthalate	10,000	3.8 U	0.42 U	0.38 U	0.38 U
Hexachlorobenzene	2.6	3.8 U	0.42 U	0.38 U	0.38 U
Hexachlorobutadiene	--	3.8 U	0.42 U	0.38 U	0.38 U
Hexachlorocyclopentadiene	1.1	3.8 U	0.42 U	0.38 U	0.38 U
Hexachloroethane	--	3.8 U	0.42 U	0.38 U	0.38 U
Isophorone	4,600	3.8 U	0.42 U	0.38 U	0.38 U
2-Methylnaphthalene	--	3.8 U	0.42 U	0.38 U	0.38 U
2-Methylphenol	--	3.8 U	0.42 U	0.38 U	0.38 U
4-Methylphenol	--	3.8 U	0.42 U	0.38 U	0.38 U
2-Nitroaniline	--	19 U	2 U	1.8 U	1.8 U
3-Nitroaniline	--	19 U	2 U	1.8 U	1.8 U
4-Nitroaniline	--	19 U	2 U	1.8 U	1.8 U
Nitrobenzene	9.4	3.8 U	0.42 U	0.38 U	0.38 U
2-Nitrophenol	--	19 U	2 U	1.8 U	1.8 U
4-Nitrophenol	--	19 U	2 U	1.8 U	1.8 U
N-Nitrosodi-n-propylamine	--	3.8 U	0.42 U	0.38 U	0.38 U
N-Nitrosodiphenylamine	--	3.8 U	0.42 U	0.38 U	0.38 U
2,2'-oxybis(1-Chloropropane)	--	3.8 U	0.42 U	0.38 U	0.38 U
Pentachlorophenol	--	19 U	2 U	1.8 U	1.8 U
Phenol	--	3.8 U	0.42 U	0.38 U	0.38 U
1,2,4-Trichlorobenzene	920	3.8 U	0.42 U	0.38 U	0.38 U
2,4,5-Trichlorophenol	--	7.7 U	0.84 U	0.76 U	0.76 U
2,4,6-Trichlorophenol	540	3.8 U	0.42 U	0.38 U	0.38 U

Notes:
(1) U - Indicates compound/analyte was analyzed for but not detected, the associated value is the sample reporting limit.
(2) WT ~ NE - Water Table Not Encountered.
(3) -- Toxicity criteria not available for exposure route.

Table 8 (Continued)
Tier 1 Screening: Soil Inhalation Exposure Route
Construction Worker
A Portion of Willow Street Station

Compound/Analyte	Tier 1 Screening Level	Sample Location and Depth (feet below ground surface)/Concentration			
		SP09-001 2-3	SP09-002 6-7	SP10-001 1-2	SP10-002 7-8
		WT ~ NE	WT ~ NE	WT ~ NE	WT ~ NE
PAHs (mg/kg)					
Acenaphthene	--	3	0.11	0.16	0.029 U
Acenaphthylene	--	2.3	0.032 U	0.082	0.029 U
Anthracene	--	13	0.032 U	0.85	0.029 U
Benzo(a)anthracene	--	36	0.032 U	2.3	0.07
Benzo(b)fluoranthene	--	37	0.032 U	2.7	0.09
Benzo(k)fluoranthene	--	28	0.032 U	2.1	0.081
Benzo(g,h,i)perylene	--	18	0.032 U	1.7	0.1
Benzo(a)pyrene	--	37	0.034	2.2	0.14
Chrysene	--	35	0.032 U	2.5	0.082
Dibenzo(a,h)anthracene	--	7.7	0.032 U	0.81	0.029 U
Fluoranthene	--	52	0.037	4.6	0.096
Fluorene	--	2.9	0.07	0.23	0.029 U
Indeno(1,2,3-cd)pyrene	--	18	0.032 U	1.5	0.065
Naphthalene	1.8	0.41	0.11	0.36	0.029 U
Phenanthrene	--	29	0.066	2.9	0.029 U
Pyrene	--	47	0.051	3.7	0.17
PCBs (mg/kg)					
Aroclor 1016	--	0.92 U	0.1 U	0.091 U	0.096 U
Aroclor 1221	--	0.92 U	0.1 U	0.091 U	0.096 U
Aroclor 1232	--	0.92 U	0.1 U	0.091 U	0.096 U
Aroclor 1242	--	0.92 U	0.1 U	0.091 U	0.096 U
Aroclor 1248	--	0.92 U	0.1 U	0.091 U	0.096 U
Aroclor 1254	--	1.8 U	0.2 U	0.18 U	0.19 U
Aroclor 1260	--	1.8 U	0.2 U	0.18 U	0.19 U
Priority Pollutant Metals and Total Cyanide (mg/kg)					
Antimony	--	1.2 UJ	1.2 UJ	1.7 J	1.2 UJ
Arsenic	25,000	11	5.4	9.6	15
Beryllium	44,000	0.6 U	0.7	0.9	0.88
Cadmium	59,000	1.3	0.61 U	1.1	0.61 U
Chromium	690	16	16	19	22
Copper	--	58 J	20 J	190 J	32 J
Lead	--	250 J	20	450 J	21
Mercury	52,000	2.2	0.059	0.22	0.037
Nickel	440,000	22 J	19	23 J	39
Selenium	--	1.2 U	1.2 U	1.1 U	1.2 U
Silver	--	1.2 U	1.2 U	1.1 U	1.2 U
Thallium	--	1.2 U	1.8	1.3	1.8
Zinc	--	370	54 J	390	56 J
Total Cyanide	--	1.8	0.33 U	0.3 U	1

Notes:
(1) U - Indicates compound/analyte was analyzed for but not detected, the associated value is the sample reporting limit.
(2) J - Indicates an estimated value.
(3) WT ~ NE - Water Table Not Encountered.
(4) -- Toxicity criteria not available for exposure route.

Table 8 (Continued)
Tier 1 Screening: Soil Inhalation Exposure Route
Construction Worker
A Portion of Willow Street Station

Compound/Analyte	Tier 1 Screening Level	Sample Location and Depth (feet below ground surface)/Concentration				
		SP11-001 2-3	SP11-002 9-10	SP11-003 15-16	SP12-001 1-3	SP12-002 7-8
		WT ~ NE	WT ~ NE	WT ~ NE	WT ~ NE	WT ~ NE
TCL Volatiles (mg/kg)						
Acetone	100,000	0.03 U	0.037 U	0.03 U	0.042 U	0.12
Benzene	2.2	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.12
Bromodichloromethane	3,000	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.017 U
Bromoform	140	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.017 U
Bromomethane	3.9	0.012 U	0.015 U	0.012 U	0.017 U	0.034 U
2-Butanone	--	0.012 U	0.015 U	0.012 U	0.017 U	0.039
Carbon Disulfide	9	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.017 U
Carbon Tetrachloride	0.90	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.017 U
Chlorobenzene	1.3	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.017 U
Chloroethane	--	0.012 U	0.015 U	0.012 U	0.017 U	0.034 U
Chloroform	0.76	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.017 U
Chloromethane	--	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.017 U
Dibromochloromethane	1,300	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.017 U
1,1-Dichloroethane	130	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.017 U
1,2-Dichloroethane	0.99	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.017 U
1,1-Dichloroethene	300	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.017 U
cis-1,2-Dichloroethene	1,200	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.017 U
trans-1,2-Dichloroethene	3,100	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.017 U
1,2-Dichloropropane	0.50	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.017 U
cis-1,3-Dichloropropene	0.39	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.017 U
trans-1,3-Dichloropropene	0.39	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.017 U
Ethylbenzene	58	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.25
2-Hexanone	--	0.012 U	0.015 U	0.012 U	0.017 U	0.034 U
4-Methyl-2-Pentanone	--	0.012 U	0.015 U	0.012 U	0.017 U	0.034 U
Methylene Chloride	34	0.012 U	0.015 U	0.012 U	0.017 U	0.034 U
Styrene	430	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.017 U
1,1,2,2-Tetrachloroethane	--	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.017 U
Tetrachloroethene	28	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.017 U
Toluene	42	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.075
1,1,1-Trichloroethane	1,200	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.017 U
1,1,2-Trichloroethane	1,800	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.017 U
Trichloroethene	12	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.017 U
Vinyl Chloride	1.1	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.017 U
m,p-Xylene	320	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.086
o-Xylene	320	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.047

Notes:
(1) U - Indicates compound/analyte was analyzed for but not detected, the associated value is the sample reporting limit.
(2) WT ~ NE - Water Table Not Encountered.
(3) -- Toxicity criteria not available for exposure route.

Table 8 (Continued)
Tier 1 Screening: Soil Inhalation Exposure Route
Construction Worker
A Portion of Willow Street Station

Compound/Analyte	Tier 1 Screening Level	Sample Location and Depth (feet below ground surface)/Concentration				
		SP11-001 2-3	SP11-002 9-10	SP11-003 15-16	SP12-001 1-3	SP12-002 7-8
		WT ~ NE	WT ~ NE	WT ~ NE	WT ~ NE	WT ~ NE
TCL Semivolatiles (mg/kg)						
Bis(2-chloroethoxy)methane	--	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
Bis(2-chloroethyl)ether	0.66	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
Bis(2-ethylhexyl)phthalate	31,000	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
4-Bromophenyl phenyl ether	--	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
Butyl benzyl phthalate	930	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
Carbazole	--	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
4-Chloro-3-methylphenol	--	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
4-Chloroaniline	--	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
2-Chloronaphthalene	--	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
2-Chlorophenol	53,000	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
4-Chlorophenyl phenyl ether	--	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
Dibenzofuran	--	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
1,2-Dichlorobenzene	310	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
1,3-Dichlorobenzene	--	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
1,4-Dichlorobenzene	340	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
3,3´-Dichlorobenzidine	--	0.77 U	0.77 U	0.75 U	0.78 U	0.8 U
2,4-Dichlorophenol	--	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
Diethyl phthalate	2,000	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
Dimethyl phthalate	--	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
Di-n-butyl phthalate	2,300	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
2,4-Dimethylphenol	--	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
4,6-Dinitro-2-methylphenol	--	1.9 U	1.9 U	1.8 U	1.9 U	1.9 U
2,4-Dinitrophenol	--	1.9 U	1.9 U	1.8 U	1.9 U	1.9 U
2,4-Dinitrotoluene	--	0.29 U	0.29 U	0.28 U	0.3 U	0.3 U
2,6-Dinitrotoluene	--	0.29 U	0.29 U	0.28 U	0.3 U	0.3 U
Di-n-octyl phthalate	10,000	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
Hexachlorobenzene	2.6	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
Hexachlorobutadiene	--	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
Hexachlorocyclopentadiene	1.1	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
Hexachloroethane	--	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
Isophorone	4,600	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
2-Methylnaphthalene	--	0.39 U	0.38 U	0.37 U	0.45	0.4 U
2-Methylphenol	--	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
4-Methylphenol	--	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
2-Nitroaniline	--	1.9 U	1.9 U	1.8 U	1.9 U	1.9 U
3-Nitroaniline	--	1.9 U	1.9 U	1.8 U	1.9 U	1.9 U
4-Nitroaniline	--	1.9 U	1.9 U	1.8 U	1.9 U	1.9 U
Nitrobenzene	9.4	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
2-Nitrophenol	--	1.9 U	1.9 U	1.8 U	1.9 U	1.9 U
4-Nitrophenol	--	1.9 U	1.9 U	1.8 U	1.9 U	1.9 U
N-Nitrosodi-n-propylamine	--	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
N-Nitrosodiphenylamine	--	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
2,2'-oxybis(1-Chloropropane)	--	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
Pentachlorophenol	--	1.9 U	1.9 U	1.8 U	1.9 U	1.9 U
Phenol	--	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
1,2,4-Trichlorobenzene	920	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
2,4,5-Trichlorophenol	--	0.77 U	0.77 U	0.75 U	0.78 U	0.8 U
2,4,6-Trichlorophenol	540	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U

Notes:
(1) U - Indicates compound/analyte was analyzed for but not detected, the associated value is the sample reporting limit.
(2) WT ~ NE - Water Table Not Encountered.
(3) -- Toxicity criteria not available for exposure route.

Table 8 (Continued)
Tier 1 Screening: Soil Inhalation Exposure Route
Construction Worker
A Portion of Willow Street Station

Compound/Analyte	Tier 1 Screening Level	Sample Location and Depth (feet below ground surface)/Concentration				
		SP11-001 2-3	SP11-002 9-10	SP11-003 15-16	SP12-001 1-3	SP12-002 7-8
		WT ~ NE	WT ~ NE	WT ~ NE	WT ~ NE	WT ~ NE
PAHs (mg/kg)						
Acenaphthene	--	0.029 U	0.029 U	0.028 U	0.03 U	0.099
Acenaphthylene	--	0.094	0.029 U	0.028 U	0.072	0.067
Anthracene	--	0.42	0.029 U	0.028 U	0.12	0.16
Benzo(a)anthracene	--	0.55	0.029 U	0.028 U	0.54	0.24
Benzo(b)fluoranthene	--	0.56	0.029 U	0.028 U	0.55	0.32
Benzo(k)fluoranthene	--	0.4	0.029 U	0.028 U	0.45	0.26
Benzo(g,h,i)perylene	--	0.43	0.029 U	0.028 U	0.46	0.11
Benzo(a)pyrene	--	0.44	0.029 U	0.028 U	0.61	0.33
Chrysene	--	0.57	0.029 U	0.028 U	0.58	0.48
Dibenzo(a,h)anthracene	--	0.088	0.029 U	0.028 U	0.067	0.04
Fluoranthene	--	0.82	0.029 U	0.028 U	0.85	0.87
Fluorene	--	0.029 U	0.029 U	0.028 U	0.03 U	0.091
Indeno(1,2,3-cd)pyrene	--	0.36	0.029 U	0.028 U	0.4	0.098
Naphthalene	1.8	0.034	0.029 U	0.037	0.24	0.13
Phenanthrene	--	0.39	0.029 U	0.043	0.53	0.41
Pyrene	--	0.73	0.029 U	0.028 U	0.91	1
PCBs (mg/kg)						
Aroclor 1016	--	0.093 U	0.093 U	0.092 U	0.095 U	0.098 U
Aroclor 1221	--	0.093 U	0.093 U	0.092 U	0.095 U	0.098 U
Aroclor 1232	--	0.093 U	0.093 U	0.092 U	0.095 U	0.098 U
Aroclor 1242	--	0.093 U	0.093 U	0.092 U	0.095 U	0.098 U
Aroclor 1248	--	0.093 U	0.093 U	0.092 U	0.095 U	0.098 U
Aroclor 1254	--	0.19 U	0.19 U	0.18 U	0.19 U	0.2 U
Aroclor 1260	--	0.19 U	0.19 U	0.18 U	0.19 U	0.2 U
Priority Pollutant Metals and Total Cyanide (mg/kg)						
Antimony	--	1.1 UJ	1.2 UJ	1.1 UJ	1.2 UJ	1.2 J
Arsenic	25,000	8.9	3.5	8.5	7.7	8.8
Beryllium	44,000	0.82	0.74	0.65	0.65	0.66
Cadmium	59,000	0.56 U	0.59 U	0.55 U	0.62	0.62 U
Chromium	690	21	21	18	15	15
Copper	--	37 J	25 J	33 J	41 J	22 J
Lead	--	130 J	15	17	88 J	80
Mercury	52,000	0.63	0.17	0.027 U	0.62	0.61
Nickel	440,000	33 J	30	38	27 J	21
Selenium	--	1.1 U	1.2 U	1.1 U	1.2 U	1.2 U
Silver	--	1.1 U	1.2 U	1.1 U	1.2 U	1.2 U
Thallium	--	1.6	2	3.6	1.5	1.4
Zinc	--	89	50 J	62 J	120	89 J
Total Cyanide	--	0.3 U	0.3 U	0.3 U	0.3 U	0.31 U

Notes:
(1) U - Indicates compound/analyte was analyzed for but not detected, the associated value is the sample reporting limit.
(2) J - Indicates an estimated value.
(3) WT ~ NE - Water Table Not Encountered.
(4) -- Toxicity criteria not available for exposure route.

Table 8 (Continued)
Tier 1 Screening: Soil Inhalation Exposure Route
Construction Worker
November 2000 Site Investigation
A Portion of Willow Street Station

Compound/Analyte	Tier 1 Screening Level (mg/kg)	Sample Location and Depth (feet below ground surface)/Concentration				
		SB-01 9-10	SB-02 4-6	SB-02 8-10	SB-03 9-11	SB-04 1-3
BTEX (mg/kg)						
Benzene	2.2	0.099	0.010	0.002 U	0.002 U	0.003
Ethylbenzene	58	0.005 U	0.005	0.005 U	0.005 U	0.005 U
Toluene	42	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Xylenes (total)	320	0.005 U	0.006	0.005 U	0.005 U	0.005 U
Phenols (mg/kg)						
2,4-Dimethylphenol	--	0.330 U	0.330 U	0.330 U	0.330 U	0.330 U
2-Methylphenol	--	0.330 U	0.330 U	0.330 U	0.330 U	0.330 U
4-Methylphenol	--	0.330 U	0.330 U	0.330 U	0.330 U	0.330 U
Phenol	--	0.330 U	0.330 U	0.330 U	0.330 U	0.330 U
PAHs (mg/kg)						
Acenaphthene	--	0.025 U	0.025 U	0.025 U	0.025 U	0.099
Acenaphthylene	--	0.025 U	0.025 U	0.031	0.025 U	0.357
Anthracene	--	0.025 U	0.025 U	0.025 U	0.025 U	0.239
Benzo(a)anthracene	--	0.025 U	0.028	0.097	0.025 U	0.794
Benzo(b)fluoranthene	--	0.025 U	0.031	0.096	0.025 U	0.904
Benzo(k)fluoranthene	--	0.025 U	0.025 U	0.053	0.025 U	0.723
Benzo(g,h,i)perylene	--	0.025 U	0.029	0.046	0.025 U	0.483
Benzo(a)pyrene	--	0.025 U	0.025 U	0.070	0.025 U	0.982
Chrysene	--	0.025 U	0.038	0.115	0.025 U	0.945
Dibenzo(a,h)anthracene	--	0.025 U	0.025 U	0.025 U	0.025 U	0.267
Fluoranthene	--	0.025 U	0.025 U	0.122	0.025 U	1.17
Fluorene	--	0.025 U	0.025 U	0.025 U	0.025 U	0.088
Naphthalene	1.8	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Phenanthrene	--	0.025 U	0.025 U	0.047	0.025 U	0.679
Pyrene	--	0.025 U	0.033	0.208	0.025 U	1.23
Dibenzofuran	--	0.025 U	0.025 U	0.025 U	0.025 U	0.054
2-Methylnaphthalene	--	0.025 U	0.025 U	0.025 U	0.025 U	0.029
Metals and Total Cyanide (mg/kg)						
Arsenic	25,000	1.29	0.958	0.209	0.467	0.157
Barium	870,000	19.6	14.9	21.8	28.6	5.10
Cadmium	59,000	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Chromium	690	3.87	2.69	2.35	2.32	8.62
Copper	--	12.5	2.93	8.00	9.13	39.2
Iron	--	3400	3520	2270	4030	8310
Lead	--	37.3	30.1	6.26	8.34	39.2
Manganese	8,700	134	164	186	181	33.5
Mercury	52,000	0.040 U	2.22	0.040 U	0.040 U	0.389
Nickel	440,000	9.66	2.05	9.07	9.89	4.47
Selenium	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
Silver	--	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Zinc	--	19.1	12.2	10.0	13.4	23.4
Total Cyanide	--	0.180	0.360	0.440	0.100 U	3.17

Note:
(1) U - Indicates compound/analyte was analyzed for but not detected, the associated value is the sample reporting limit.
(2) -- Toxicity criteria not available for exposure route.

Table 8 (Continued)
Tier 1 Screening: Soil Inhalation Exposure Route
Construction Worker
November 2000 Site Investigation
A Portion of Willow Street Station

Compound/Analyte	Tier 1 Screening Level (mg/kg)	Sample Location and Depth (feet below ground surface)/Concentration				
		SB-04 7-9	SB-05 1-3	SB-05 7-9	SB-06 1-3	SB-06 7-9
BTEX (mg/kg)						
Benzene	2.2	0.002 U	0.004	3.80	0.009	2.80
Ethylbenzene	58	0.005 U	0.005 U	0.126	0.005	3.98
Toluene	42	0.005 U	0.005 U	0.015	0.005 U	0.045
Xylenes (total)	320	0.005 U	0.005 U	0.333	0.005 U	0.670
Phenols (mg/kg)						
2,4-Dimethylphenol	--	0.330 U	0.330 U	0.330 U	0.330 U	0.330 U
2-Methylphenol	--	0.330 U	0.330 U	0.330 U	0.330 U	0.330 U
4-Methylphenol	--	0.330 U	0.330 U	0.330 U	0.330 U	0.330 U
Phenol	--	0.330 U	0.330 U	0.330 U	0.330 U	0.330 U
PAHs (mg/kg)						
Acenaphthene	--	0.356	0.088	2.56	0.116	1.48
Acenaphthylene	--	2.11	1.05	0.979	0.295	0.829
Anthracene	--	1.95	0.516	4.03	0.271	2.56
Benzo(a)anthracene	--	4.71	2.69	5.06	1.24	2.46
Benzo(b)fluoranthene	--	3.41	3.23	3.24	0.341	1.50
Benzo(k)fluoranthene	--	2.38	2.05	2.85	0.410	1.57
Benzo(g,h,i)perylene	--	1.93	2.36	3.11	0.606	1.57
Benzo(a)pyrene	--	4.53	4.13	5.60	0.433	2.75
Chrysene	--	5.35	2.87	4.68	1.45	2.62
Dibenzo(a,h)anthracene	--	0.931	0.317	0.469	0.328	0.328
Fluoranthene	--	6.89	4.67	11.9	1.89	4.64
Fluorene	--	0.705	0.172	2.42	0.033	1.28
Naphthalene	1.8	0.127	0.122	6.74	0.368	25.7
Phenanthrene	--	3.48	1.59	15.9	1.24	7.21
Pyrene	--	10.3	6.63	15.7	2.24	6.41
Dibenzofuran	--	0.249	0.054	0.105	0.113	0.063
2-Methylnaphthalene	--	0.041	0.068	0.291	0.217	1.81
Metals and Total Cyanide (mg/kg)						
Arsenic	25,000	0.484	0.486	1.97	0.294	0.962
Barium	870,000	26.6	30.0	29.4	22.3	25.3
Cadmium	59,000	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Chromium	690	3.00	4.71	5.41	6.70	4.39
Copper	--	14.2	23.5	22.5	13.1	15.9
Iron	--	5300	3710	5930	24800	5270
Lead	--	14.5	208	39.9	19.4	30.2
Manganese	8,700	991	147	266	531	228
Mercury	52,000	0.268	0.465	0.188	0.199	0.124
Nickel	440,000	13.5	6.75	13.0	5.23	9.03
Selenium	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
Silver	--	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Zinc	--	17.4	62.9	53.1	17.0	28.4
Total Cyanide	--	4.67	1.58	0.100 U	2.46	1.09

Note:
(1) U - Indicates compound/analyte was analyzed for but not detected, the associated value is the sample reporting limit.
(2) -- Toxicity criteria not available for exposure route.
(3) Shaded values exceeded Tier 1 screening level.

Table 8 (Continued)
Tier 1 Screening: Soil Inhalation Exposure Route
Construction Worker
November 2000 Site Investigation
A Portion of Willow Street Station

Compound/Analyte	Tier 1 Screening Level (mg/kg)	Sample Location and Depth (feet below ground surface)/Concentration			
		SB-07 3-5	SB-07 8-9	SB-08 1-3	SB-08 7-8
BTEX (mg/kg)					
Benzene	2.2	0.006	0.061	0.007	0.002 U
Ethylbenzene	58	0.005 U	0.022	0.005 U	0.005 U
Toluene	42	0.005 U	0.045	0.005 U	0.005 U
Xylenes (total)	320	0.005 U	0.135	0.005 U	0.005 U
Phenols (mg/kg)					
2,4-Dimethylphenol	--	0.330 U	0.330 U	0.330 U	0.330 U
2-Methylphenol	--	0.330 U	0.330 U	0.330 U	0.330 U
4-Methylphenol	--	0.330 U	0.330 U	0.330 U	0.330 U
Phenol	--	0.330 U	0.330 U	0.330 U	0.330 U
PAHs (mg/kg)					
Acenaphthene	--	0.027	0.321	0.138	0.025 U
Acenaphthylene	--	0.589	0.459	1.66	0.049
Anthracene	--	0.166	0.742	0.336	0.025 U
Benzo(a)anthracene	--	0.816	2.02	1.35	0.082
Benzo(b)fluoranthene	--	0.411	0.414	1.07	0.025 U
Benzo(k)fluoranthene	--	0.331	0.744	0.882	0.037
Benzo(g,h,i)perylene	--	0.266	0.469	0.963	0.029
Benzo(a)pyrene	--	0.445	1.86	0.621	0.035
Chrysene	--	0.853	1.93	1.77	0.097
Dibenzo(a,h)anthracene	--	0.161	0.256	0.482	0.025 U
Fluoranthene	--	0.560	2.93	1.00	0.047
Fluorene	--	0.161	0.775	0.148	0.025 U
Naphthalene	1.8	0.069	0.570	1.40	0.025 U
Phenanthrene	--	0.194	2.34	0.310	0.025 U
Pyrene	--	0.955	4.12	1.68	0.080
Dibenzofuran	--	0.048	0.089	0.144	0.025 U
2-Methylnaphthalene	--	0.090	0.139	0.253	0.025 U
Metals and Total Cyanide (mg/kg)					
Arsenic	25,000	1.99	3.58	1.58	0.230
Barium	870,000	26.6	31.0	38.4	16.2
Cadmium	59,000	0.500 U	0.500 U	2.31	0.500 U
Chromium	690	3.26	3.87	10.9	2.32
Copper	--	28.1	26.8	50.2	17.6
Iron	--	6000	7520	8400	3060
Lead	--	93.1	65.6	1210	16.0
Manganese	8,700	253	184	211	245
Mercury	52,000	0.296	0.499	1.23	0.691
Nickel	440,000	8.80	10.5	9.31	8.51
Selenium	--	1.00 U	1.00 U	1.00 U	1.00 U
Silver	--	0.500 U	0.500 U	0.500 U	0.500 U
Zinc	--	59.3	58.9	254	13.0
Total Cyanide	--	3.17	1.10	6.79	2.12

Note:
(1) U - Indicates compound/analyte was analyzed for but not detected, the associated value is the sample reporting limit.
(2) -- Toxicity criteria not available for exposure route.

Table 9
Tier 1 Screening: Class II Soil Migration to Groundwater Exposure Route
A Portion of Willow Street Station

Compound/Analyte	Tier 1 Screening Level (mg/kg)	Sample Location and Depth (feet below ground surface)/Concentration			
		SP01-001 14-16	SP02-001 7-8	SP03-001 10-11	SP05-001 2-3
		WT ~ NE	WT ~ NE	WT ~ NE	WT ~ NE
TCL Volatiles (mg/kg)					
Acetone	16	0.08 U	0.086 U	0.048 U	0.054 U
Benzene	0.17	1.5	10	0.0097	0.011 U
Bromodichloromethane	0.6	0.016 U	0.017 U	0.0095 U	0.011 U
Bromoform	0.8	0.016 U	0.017 U	0.0095 U	0.011 U
Bromomethane	1.2	0.032 U	0.034 U	0.019 U	0.022 U
2-Butanone	--	0.032 U	0.034 U	0.019 U	0.022 U
Carbon Disulfide	160	0.016 U	0.017 U	0.0095 U	0.011 U
Carbon Tetrachloride	0.33	0.016 U	0.017 U	0.0095 U	0.011 U
Chlorobenzene	6.5	0.016 U	0.017 U	0.0095 U	0.011 U
Chloroethane	--	0.032 U	0.034 U	0.019 U	0.022 U
Chloroform	2.9	0.016 U	0.017 U	0.0095 U	0.011 U
Chloromethane	--	0.016 U	0.017 U	0.0095 U	0.011 U
Dibromochloromethane	0.4	0.016 U	0.017 U	0.0095 U	0.011 U
1,1-Dichloroethane	110	0.016 U	0.017 U	0.0095 U	0.011 U
1,2-Dichloroethane	0.1	0.016 U	0.017 U	0.0095 U	0.011 U
1,1-Dichloroethene	0.3	0.016 U	0.017 U	0.0095 U	0.011 U
cis-1,2-Dichloroethene	1.1	0.016 U	0.017 U	0.0095 U	0.011 U
trans-1,2-Dichloroethene	3.4	0.016 U	0.017 U	0.0095 U	0.011 U
1,2-Dichloropropane	0.15	0.016 U	0.017 U	0.0095 U	0.011 U
cis-1,3-Dichloropropene	0.02	0.016 U	0.017 U	0.0095 U	0.011 U
trans-1,3-Dichloropropene	0.02	0.016 U	0.017 U	0.0095 U	0.011 U
Ethylbenzene	19	5.6	0.091	0.0095 U	0.011 U
2-Hexanone	--	0.032 U	0.034 U	0.019 U	0.022 U
4-Methyl-2-Pentanone	--	0.032 U	0.034 U	0.019 U	0.022 U
Methylene Chloride	0.2	0.032 U	0.034 U	0.019 U	0.022 U
Styrene	18	0.041	0.017 U	0.0095 U	0.011 U
1,1,2,2-Tetrachloroethane	--	0.016 U	0.017 U	0.0095 U	0.011 U
Tetrachloroethene	0.3	0.016 U	0.017 U	0.0095 U	0.011 U
Toluene	29	0.056	0.028	0.0095 U	0.011 U
1,1,1-Trichloroethane	9.6	0.016 U	0.017 U	0.0095 U	0.011 U
1,1,2-Trichloroethane	0.3	0.016 U	0.017 U	0.0095 U	0.011 U
Trichloroethene	0.3	0.016 U	0.017 U	0.0095 U	0.011 U
Vinyl Chloride	0.07	0.016 U	0.017 U	0.0095 U	0.011 U
m,p-Xylene*	150	0.069	0.21	0.083	0.011 U
o-Xylene*	150	0.52	0.065	0.011	0.011 U

Notes:
(1) U - Indicates compound/analyte was analyzed for but not detected, the associated value is the sample reporting limit.
(2) WT ~ NE - Water Table Not Encountered.
(3) Shaded values exceeded Tier 1 screening level.
(4) -- Toxicity criteria not available for exposure route.
(5) * The "total xylenes" screening level was used because it is more conservative.

Table 9 (Continued)
Tier 1 Screening: Class II Soil Migration to Groundwater Exposure Route
A Portion of Willow Street Station

Compound/Analyte	Tier 1 Screening Level (mg/kg)	Sample Location and Depth (feet below ground surface)/Concentration			
		SP01-001 14-16	SP02-001 7-8	SP03-001 10-11	SP05-001 2-3
		WT ~ NE	WT ~ NE	WT ~ NE	WT ~ NE
TCL Semivolatiles (mg/kg)					
Bis(2-chloroethoxy)methane	--	0.43 U	0.39 U	0.39 U	0.38 U
Bis(2-chloroethyl)ether	0.0004	0.43 U	0.39 U	0.39 U	0.38 U
Bis(2-ethylhexyl)phthalate	31,000	0.43 U	0.39 U	0.39 U	0.38 U
4-Bromophenyl phenyl ether	--	0.43 U	0.39 U	0.39 U	0.38 U
Butyl benzyl phthalate	930	0.43 U	0.39 U	0.39 U	0.38 U
Carbazole	2.8	3.5	0.39 U	0.39 U	0.38 U
4-Chloro-3-methylphenol	--	0.43 U	0.39 U	0.39 U	0.38 U
4-Chloroaniline	0.7	0.43 U	0.39 U	0.39 U	0.38 U
2-Chloronaphthalene	--	0.43 U	0.39 U	0.39 U	0.38 U
2-Chlorophenol	20	0.43 U	0.39 U	0.39 U	0.38 U
4-Chlorophenyl phenyl ether	--	0.43 U	0.39 U	0.39 U	0.38 U
Dibenzofuran	--	2.7	0.39 U	0.39 U	0.38 U
1,2-Dichlorobenzene	43	0.43 U	0.39 U	0.39 U	0.38 U
1,3-Dichlorobenzene	--	0.43 U	0.39 U	0.39 U	0.38 U
1,4-Dichlorobenzene	11	0.43 U	0.39 U	0.39 U	0.38 U
3,3´-Dichlorobenzidine**	0.033	0.86 U	0.79 U	0.78 U	0.76 U
2,4-Dichlorophenol	1.0	0.43 U	0.39 U	0.39 U	0.38 U
Diethyl phthalate	470	0.43 U	0.39 U	0.39 U	0.38 U
Dimethyl phthalate	--	0.43 U	0.39 U	0.39 U	0.38 U
Di-n-butyl phthalate	2,300	0.43 U	0.39 U	0.39 U	0.38 U
2,4-Dimethylphenol	9	0.43 U	0.39 U	0.39 U	0.38 U
4,6-Dinitro-2-methylphenol	--	2.1 U	1.9 U	1.9 U	1.8 U
2,4-Dinitrophenol**	0.2	2.1 U	1.9 U	1.9 U	1.8 U
2,4-Dinitrotoluene**	0.0008	0.33 U	0.3 U	0.29 U	0.29 U
2,6-Dinitrotoluene**	0.0007	0.33 U	0.3 U	0.29 U	0.29 U
Di-n-octyl phthalate	10,000	0.43 U	0.39 U	0.39 U	0.38 U
Hexachlorobenzene	11	0.43 U	0.39 U	0.39 U	0.38 U
Hexachlorobutadiene	--	0.43 U	0.39 U	0.39 U	0.38 U
Hexachlorocyclopentadiene	2,200	0.43 U	0.39 U	0.39 U	0.38 U
Hexachloroethane	2.6	0.43 U	0.39 U	0.39 U	0.38 U
Isophorone	8	0.43 U	0.39 U	0.39 U	0.38 U
2-Methylnaphthalene	--	30	6.9	0.39 U	0.39
2-Methylphenol	15	0.43 U	0.39 U	0.39 U	0.38 U
4-Methylphenol	--	0.43 U	0.39 U	0.39 U	0.38 U
2-Nitroaniline	--	2.1 U	1.9 U	1.9 U	1.8 U
3-Nitroaniline	--	2.1 U	1.9 U	1.9 U	1.8 U
4-Nitroaniline	--	2.1 U	1.9 U	1.9 U	1.8 U
Nitrobenzene**	0.1	0.43 U	0.39 U	0.39 U	0.38 U
2-Nitrophenol	--	2.1 U	1.9 U	1.9 U	1.8 U
4-Nitrophenol	--	2.1 U	1.9 U	1.9 U	1.8 U
N-Nitrosodi-n-propylamine**	0.00005	0.43 U	0.39 U	0.39 U	0.38 U
N-Nitrosodiphenylamine	5.6	0.43 U	0.39 U	0.39 U	0.38 U
2,2'-oxybis(1-Chloropropane)	--	0.43 U	0.39 U	0.39 U	0.38 U
Pentachlorophenol	0.14	2.1 U	1.9 U	1.9 U	1.8 U
Phenol	100	0.43 U	0.39 U	0.39 U	0.38 U
1,2,4-Trichlorobenzene	53	0.43 U	0.39 U	0.39 U	0.38 U
2,4,5-Trichlorophenol	1,400	0.86 U	0.79 U	0.78 U	0.76 U
2,4,6-Trichlorophenol	0.77	0.43 U	0.39 U	0.39 U	0.38 U

Notes:
(1) U - Indicates compound/analyte was analyzed for but not detected, the associated value is the sample reporting limit.
(2) WT ~ NE - Water Table Not Encountered.
(3) Shaded values exceeded Tier 1 screening level.
(4) -- Toxicity criteria not available for exposure route.
(5) ** Value exceeds TACO screening level but was consistently non-detect so none shaded.

Table 9 (Continued)
Tier 1 Screening: Class II Soil Migration to Groundwater Exposure Route
A Portion of Willow Street Station

Compound/Analyte	Tier 1 Screening Level* (mg/kg)	Sample Location and Depth (feet below ground surface)/Concentration			
		SP01-001 14-16	SP02-001 7-8	SP03-001 10-11	SP05-001 2-3
		WT ~ NE	WT ~ NE	WT ~ NE	WT ~ NE
PAHs (mg/kg)					
Acenaphthene	2,900	76	3.7	0.029 U	0.058
Acenaphthylene	--	24	0.47	0.029 U	1.7
Anthracene	59,000	88	2.2	0.029 U	0.49
Benzo(a)anthracene	8	51	1	0.029 U	2.3
Benzo(b)fluoranthene	25	42	0.71	0.029 U	3.6
Benzo(k)fluoranthene	250	37	0.67	0.029 U	3.2
Benzo(g,h,i)perylene	--	39	0.69	0.029 U	1.9
Benzo(a)pyrene	82	67	1.2	0.029 U	3.4
Chrysene	800	51	0.96	0.029 U	2.6
Dibenzo(a,h)anthracene	7.6	6.6	0.15	0.029 U	0.65
Fluoranthene	21,000	180	2.7	0.03	2.3
Fluorene	2,800	65	1.9	0.029 U	0.35
Indeno(1,2,3-cd)pyrene	69	30	0.52	0.029 U	1.7
Naphthalene	18	400	1.3	0.029	1.7
Phenanthrene	--	300	4.6	0.064	0.62
Pyrene	21,000	230	3.5	0.045	3.6
PCBs (mg/kg)					
Aroclor 1016	--	0.1 U	0.099 U	0.095 U	0.093 U
Aroclor 1221	--	0.1 U	0.099 U	0.095 U	0.093 U
Aroclor 1232	--	0.1 U	0.099 U	0.095 U	0.093 U
Aroclor 1242	--	0.1 U	0.099 U	0.095 U	0.093 U
Aroclor 1248	--	0.1 U	0.099 U	0.095 U	0.093 U
Aroclor 1254	--	0.21 U	0.2 U	0.19 U	0.19 U
Aroclor 1260	--	0.21 U	0.2 U	0.19 U	0.19 U
Priority Pollutant Metals and Total Cyanide (mg/kg)					
Antimony	20	1.4 J	1.2 J	1.2 UJ	1.3 J
Arsenic	120	21	20	4.3	9.4
Beryllium	1,000,000	0.83	0.99	0.62	0.66
Cadmium	4,300	0.76	0.6 U	0.58 U	0.94
Chromium**	28	18	22	27	18
Copper	330,000	48 J	33 J	29 J	54 J
Lead***	36	120	25	14	210 J
Mercury	40	0.39	0.037	0.03 U	0.61
Nickel	76,000	34	38	39	22 J
Selenium	2.4	1.3 U	1.2 U	1.2 U	1.1 U
Silver**	110	1.3 U	1.2 U	1.2 U	1.1 U
Thallium	38	1.3	1.4	1.3	1.1 U
Zinc	110,000	130 J	61 J	71 J	180
Total Cyanide	120	0.33 U	0.31 U	0.3 U	0.29 U

Notes:
(1) U - Indicates compound/analyte was analyzed for but not detected, the associated value is the sample reporting limit.
(2) J - Indicates an estimated value.
(3) WT ~ NE - Water Table Not Encountered.
(4) Shaded values exceeded Tier 1 screening level.
(5) -- Toxicity criteria not available for exposure route.
(6) * - Toxicity criteria for metals and cyanide are only applicable to TCLP data, therefore pH-dependent screening levels for Class II groundwater were used.
(7) ** - pH-dependent screening level was not available for Class II groundwater; therefore, pH-dependent screening level for Class I groundwater was used.
(8) *** - Metropolitan statistical background value was used because no pH-dependent Tier 1 screening value is available.

Table 9 (Continued)
Tier 1 Screening: Class II Soil Migration to Groundwater Exposure Route
A Portion of Willow Street Station

Compound/Analyte	Tier 1 Screening Level (mg/kg)	Sample Location and Depth (feet below ground surface)/Concentration			
		SP05-002 6-8	SP06B-001 1-3	SP06B-002 9-11	SP07-001 2-3
		WT ~ NE	WT ~ NE	WT ~ NE	WT ~ NE
TCL Volatiles (mg/kg)					
Acetone	16	0.042 U	0.053 U	0.073	0.16
Benzene	0.17	0.0083 U	0.017	0.045	0.018 U
Bromodichloromethane	0.6	0.0083 U	0.011 U	0.012 U	0.018 U
Bromoform	0.8	0.0083 U	0.011 U	0.012 U	0.018 U
Bromomethane	1.2	0.017 U	0.021 U	0.024 U	0.036 U
2-Butanone	--	0.017 U	0.021 U	0.024 U	0.066
Carbon Disulfide	160	0.0083 U	0.011 U	0.012 U	0.018 U
Carbon Tetrachloride	0.33	0.0083 U	0.011 U	0.012 U	0.018 U
Chlorobenzene	6.5	0.0083 U	0.011 U	0.012 U	0.018 U
Chloroethane	--	0.017 U	0.021 U	0.024 U	0.036 U
Chloroform	2.9	0.0083 U	0.011 U	0.012 U	0.018 U
Chloromethane	--	0.0083 U	0.011 U	0.012 U	0.018 U
Dibromochloromethane	0.4	0.0083 U	0.011 U	0.012 U	0.018 U
1,1-Dichloroethane	110	0.0083 U	0.011 U	0.012 U	0.018 U
1,2-Dichloroethane	0.1	0.0083 U	0.011 U	0.012 U	0.018 U
1,1-Dichloroethene	0.3	0.0083 U	0.011 U	0.012 U	0.018 U
cis-1,2-Dichloroethene	1.1	0.0083 U	0.011 U	0.012 U	0.018 U
trans-1,2-Dichloroethene	3.4	0.0083 U	0.011 U	0.012 U	0.018 U
1,2-Dichloropropane	0.15	0.0083 U	0.011 U	0.012 U	0.018 U
cis-1,3-Dichloropropene	0.02	0.0083 U	0.011 U	0.012 U	0.018 U
trans-1,3-Dichloropropene	0.02	0.0083 U	0.011 U	0.012 U	0.018 U
Ethylbenzene	19	0.0083 U	0.011 U	0.012 U	0.018 U
2-Hexanone	--	0.017 U	0.021 U	0.024 U	0.036 U
4-Methyl-2-Pentanone	--	0.017 U	0.021 U	0.024 U	0.036 U
Methylene Chloride	0.2	0.017 U	0.021 U	0.024 U	0.036 U
Styrene	18	0.0083 U	0.011 U	0.012 U	0.018 U
1,1,2,2-Tetrachloroethane	--	0.0083 U	0.011 U	0.012 U	0.018 U
Tetrachloroethene	0.3	0.0083 U	0.011 U	0.012 U	0.018 U
Toluene	29	0.0083 U	0.014	0.012 U	0.018 U
1,1,1-Trichloroethane	9.6	0.0083 U	0.011 U	0.012 U	0.018 U
1,1,2-Trichloroethane	0.3	0.0083 U	0.011 U	0.012 U	0.018 U
Trichloroethene	0.3	0.0083 U	0.011 U	0.012 U	0.018 U
Vinyl Chloride	0.07	0.0083 U	0.011 U	0.012 U	0.018 U
m,p-Xylene*	150	0.0083 U	0.011 U	0.012 U	0.018 U
o-Xylene*	150	0.0083 U	0.011 U	0.012 U	0.018 U

Notes:
(1) U - Indicates compound/analyte was analyzed for but not detected, the associated value is the sample reporting limit.
(2) WT ~ NE - Water Table Not Encountered.
(3) -- Toxicity criteria not available for exposure route.
(4) * The "total xylenes" screening level was used because it is more conservative.

Table 9 (Continued)
Tier 1 Screening: Class II Soil Migration to Groundwater Exposure Route
A Portion of Willow Street Station

Compound/Analyte	Tier 1 Screening Level (mg/kg)	Sample Location and Depth (feet below ground surface)/Concentration			
		SP05-002 6-8	SP06B-001 1-3	SP06B-002 9-11	SP07-001 2-3
		WT ~ NE	WT ~ NE	WT ~ NE	WT ~ NE
TCL Semivolatiles (mg/kg)					
Bis(2-chloroethoxy)methane	--	0.39 U	0.44 U	0.4 U	0.4 U
Bis(2-chloroethyl)ether	0.0004	0.39 U	0.44 U	0.4 U	0.4 U
Bis(2-ethylhexyl)phthalate	31,000	0.39 U	0.44 U	0.4 U	0.4 U
4-Bromophenyl phenyl ether	--	0.39 U	0.44 U	0.4 U	0.4 U
Butyl benzyl phthalate	930	0.39 U	0.44 U	0.4 U	0.4 U
Carbazole	2.8	0.64	0.44 U	0.4 U	0.4 U
4-Chloro-3-methylphenol	--	0.39 U	0.44 U	0.4 U	0.4 U
4-Chloroaniline	0.7	0.39 U	0.44 U	0.4 U	0.4 U
2-Chloronaphthalene	--	0.39 U	0.44 U	0.4 U	0.4 U
2-Chlorophenol	20	0.39 U	0.44 U	0.4 U	0.4 U
4-Chlorophenyl phenyl ether	--	0.39 U	0.44 U	0.4 U	0.4 U
Dibenzofuran	--	0.39 U	0.44 U	0.4 U	0.4 U
1,2-Dichlorobenzene	43	0.39 U	0.44 U	0.4 U	0.4 U
1,3-Dichlorobenzene	--	0.39 U	0.44 U	0.4 U	0.4 U
1,4-Dichlorobenzene	11	0.39 U	0.44 U	0.4 U	0.4 U
3,3´-Dichlorobenzidine**	0.033	0.79 U	0.88 U	0.81 U	0.8 U
2,4-Dichlorophenol	1.0	0.39 U	0.44 U	0.4 U	0.4 U
Diethyl phthalate	470	0.39 U	0.44 U	0.4 U	0.4 U
Dimethyl phthalate	--	0.39 U	0.44 U	0.4 U	0.4 U
Di-n-butyl phthalate	2,300	0.39 U	0.44 U	0.4 U	0.4 U
2,4-Dimethylphenol	9	0.39 U	0.44 U	0.4 U	0.4 U
4,6-Dinitro-2-methylphenol	--	1.9 U	2.1 U	2 U	1.9 U
2,4-Dinitrophenol**	0.2	1.9 U	2.1 U	2 U	1.9 U
2,4-Dinitrotoluene**	0.0008	0.3 U	0.33 U	0.31 U	0.3 U
2,6-Dinitrotoluene**	0.0007	0.3 U	0.33 U	0.31 U	0.3 U
Di-n-octyl phthalate	10,000	0.39 U	0.44 U	0.4 U	0.4 U
Hexachlorobenzene	11	0.39 U	0.44 U	0.4 U	0.4 U
Hexachlorobutadiene	--	0.39 U	0.44 U	0.4 U	0.4 U
Hexachlorocyclopentadiene	2,200	0.39 U	0.44 U	0.4 U	0.4 U
Hexachloroethane	2.6	0.39 U	0.44 U	0.4 U	0.4 U
Isophorone	8	0.39 U	0.44 U	0.4 U	0.4 U
2-Methylnaphthalene	--	0.39 U	0.44 U	0.4 U	0.4 U
2-Methylphenol	15	0.39 U	0.44 U	0.4 U	0.4 U
4-Methylphenol	--	0.39 U	0.44 U	0.4 U	0.4 U
2-Nitroaniline	--	1.9 U	2.1 U	2 U	1.9 U
3-Nitroaniline	--	1.9 U	2.1 U	2 U	1.9 U
4-Nitroaniline	--	1.9 U	2.1 U	2 U	1.9 U
Nitrobenzene**	0.1	0.39 U	0.44 U	0.4 U	0.4 U
2-Nitrophenol	--	1.9 U	2.1 U	2 U	1.9 U
4-Nitrophenol	--	1.9 U	2.1 U	2 U	1.9 U
N-Nitrosodi-n-propylamine**	0.00005	0.39 U	0.44 U	0.4 U	0.4 U
N-Nitrosodiphenylamine	5.6	0.39 U	0.44 U	0.4 U	0.4 U
2,2'-oxybis(1-Chloropropane)	--	0.39 U	0.44 U	0.4 U	0.4 U
Pentachlorophenol	0.14	1.9 U	2.1 U	2 U	1.9 U
Phenol	100	0.39 U	0.44 U	0.4 U	0.4 U
1,2,4-Trichlorobenzene	53	0.39 U	0.44 U	0.4 U	0.4 U
2,4,5-Trichlorophenol	1,400	0.79 U	0.88 U	0.81 U	0.8 U
2,4,6-Trichlorophenol	0.77	0.39 U	0.44 U	0.4 U	0.4 U

Notes:
(1) U - Indicates compound/analyte was analyzed for but not detected, the associated value is the sample reporting limit.
(2) WT ~ NE - Water Table Not Encountered.
(3) -- Toxicity criteria not available for exposure route.
(4) ** Value exceeds TACO screening level but was consistently non-detect so none shaded.

Table 9 (Continued)
Tier 1 Screening: Class II Soil Migration to Groundwater Exposure Route
A Portion of Willow Street Station

Compound/Analyte	Tier 1 Screening Level* (mg/kg)	Sample Location and Depth (feet below ground surface)/Concentration			
		SP05-002 6-8	SP06B-001 1-3	SP06B-002 9-11	SP07-001 2-3
		WT ~ NE	WT ~ NE	WT ~ NE	WT ~ NE
PAHs (mg/kg)					
Acenaphthene	2,900	1.2	0.033 U	0.031 U	0.22
Acenaphthylene	--	0.15	0.033 U	0.031 U	1.1
Anthracene	59,000	3.7	0.05	0.031 U	0.45
Benzo(a)anthracene	8	5.6	0.18	0.031 U	1.8
Benzo(b)fluoranthene	25	3.4	0.033 U	0.031 U	2.1
Benzo(k)fluoranthene	250	3.6	0.037	0.031 U	2
Benzo(g,h,i)perylene	--	1.1	0.04	0.031 U	0.92
Benzo(a)pyrene	82	3.9	0.064	0.031 U	1.8
Chrysene	800	5.4	0.23	0.031 U	2.2
Dibenzo(a,h)anthracene	7.6	0.66	0.033 U	0.031 U	0.46
Fluoranthene	21,000	18	0.14	0.031 U	1.9
Fluorene	2,800	0.6	0.033 U	0.031 U	0.22
Indeno(1,2,3-cd)pyrene	69	1.3	0.033 U	0.031 U	0.86
Naphthalene	18	0.072	0.058	0.053	0.13
Phenanthrene	--	7.6	0.18	0.031 U	0.42
Pyrene	21,000	15	0.41	0.031 U	2.9
PCBs (mg/kg)					
Aroclor 1016	--	0.093 U	0.1 U	0.093 U	0.095 U
Aroclor 1221	--	0.093 U	0.1 U	0.093 U	0.095 U
Aroclor 1232	--	0.093 U	0.1 U	0.093 U	0.095 U
Aroclor 1242	--	0.093 U	0.1 U	0.093 U	0.095 U
Aroclor 1248	--	0.093 U	0.1 U	0.093 U	0.095 U
Aroclor 1254	--	0.19 U	0.21 U	0.19 U	0.19 U
Aroclor 1260	--	0.19 U	0.21 U	0.19 U	0.19 U
Priority Pollutant Metals and Total Cyanide (mg/kg)					
Antimony	20	1.1 UJ	1.2 UJ	1.2 UJ	1.2 UJ
Arsenic	120	2.9	3.4	6.4	9.7
Beryllium	1,000,000	0.57 U	0.62 U	0.58 U	0.59 U
Cadmium	4,300	0.57 U	0.62 U	0.58 U	0.59 U
Chromium**	28	4.7	14	18	17
Copper	330,000	4.1 J	16 J	29 J	31 J
Lead***	36	20	73 J	18	53 J
Mercury	40	0.053	0.16	0.029 U	2.5
Nickel	76,000	4.5	17 J	30	31 J
Selenium	2.4	1.1 U	1.2 U	1.2 U	1.2 U
Silver**	110	1.1 U	1.2 U	1.2 U	1.2 U
Thallium	38	1.1 U	1.2 U	1.2 U	1.2 U
Zinc	110,000	48 J	52	44 J	60
Total Cyanide	120	0.3 U	0.34 U	0.31 U	0.3 U

Notes:
(1) U - Indicates compound/analyte was analyzed for but not detected, the associated value is the sample reporting limit.
(2) J - Indicates an estimated value.
(3) WT ~ NE - Water Table Not Encountered.
(4) Shaded values exceeded Tier 1 screening level.
(5) -- Toxicity criteria not available for exposure route.
(6) * - Toxicity criteria for metals and cyanide are only applicable to TCLP data, therefore pH-dependent screening levels for Class II groundwater were used.
(7) ** - pH-dependent screening level was not available for Class II groundwater; therefore, pH-dependent screening level for Class I groundwater was used.
(8) *** - Metropolitan statistical background value was used because no pH-dependent Tier 1 screening value is available.

Table 9 (Continued)
Tier 1 Screening: Class II Soil Migration to Groundwater Exposure Route
A Portion of Willow Street Station

Compound/Analyte	Tier 1 Screening Level (mg/kg)	Sample Location and Depth (feet below ground surface)/Concentration			
		SP07-002 7-8	SP07-003 9-11	SP08-001 2-3	SP08-002 6-7
		WT ~ NE	WT ~ NE	WT ~ NE	WT ~ NE
TCL Volatiles (mg/kg)					
Acetone	16	0.16	0.039 U	0.093 U	0.054
Benzene	0.17	0.02 U	0.0078 U	0.036	0.01 U
Bromodichloromethane	0.6	0.02 U	0.0078 U	0.019 U	0.01 U
Bromoform	0.8	0.02 U	0.0078 U	0.019 U	0.01 U
Bromomethane	1.2	0.039 U	0.016 U	0.037 U	0.02 U
2-Butanone	--	0.075	0.016 U	0.049	0.033
Carbon Disulfide	160	0.02 U	0.0078 U	0.019 U	0.01 U
Carbon Tetrachloride	0.33	0.02 U	0.0078 U	0.019 U	0.01 U
Chlorobenzene	6.5	0.02 U	0.0078 U	0.019 U	0.01 U
Chloroethane	--	0.039 U	0.016 U	0.037 U	0.02 U
Chloroform	2.9	0.02 U	0.0078 U	0.019 U	0.01 U
Chloromethane	--	0.02 U	0.0078 U	0.019 U	0.01 U
Dibromochloromethane	0.4	0.02 U	0.0078 U	0.019 U	0.01 U
1,1-Dichloroethane	110	0.02 U	0.0078 U	0.019 U	0.01 U
1,2-Dichloroethane	0.1	0.02 U	0.0078 U	0.019 U	0.01 U
1,1-Dichloroethene	0.3	0.02 U	0.0078 U	0.019 U	0.01 U
cis-1,2-Dichloroethene	1.1	0.02 U	0.0078 U	0.019 U	0.01 U
trans-1,2-Dichloroethene	3.4	0.02 U	0.0078 U	0.019 U	0.01 U
1,2-Dichloropropane	0.15	0.02 U	0.0078 U	0.019 U	0.01 U
cis-1,3-Dichloropropene	0.02	0.02 U	0.0078 U	0.019 U	0.01 U
trans-1,3-Dichloropropene	0.02	0.02 U	0.0078 U	0.019 U	0.01 U
Ethylbenzene	19	0.02 U	0.0078 U	0.11	0.01 U
2-Hexanone	--	0.039 U	0.016 U	0.037 U	0.02 U
4-Methyl-2-Pentanone	--	0.039 U	0.016 U	0.037 U	0.02 U
Methylene Chloride	0.2	0.039 U	0.016 U	0.037 U	0.02 U
Styrene	18	0.02 U	0.0078 U	0.019 U	0.01 U
1,1,2,2-Tetrachloroethane	--	0.02 U	0.0078 U	0.019 U	0.01 U
Tetrachloroethene	0.3	0.02 U	0.0078 U	0.019 U	0.01 U
Toluene	29	0.02 U	0.0078 U	0.028	0.01 U
1,1,1-Trichloroethane	9.6	0.02 U	0.0078 U	0.019 U	0.01 U
1,1,2-Trichloroethane	0.3	0.02 U	0.0078 U	0.019 U	0.01 U
Trichloroethene	0.3	0.02 U	0.0078 U	0.019 U	0.01 U
Vinyl Chloride	0.07	0.02 U	0.0078 U	0.019 U	0.01 U
m,p-Xylene*	150	0.02 U	0.0078 U	0.065	0.01 U
o-Xylene*	150	0.02 U	0.0078 U	0.044	0.01 U

Notes:
(1) U - Indicates compound/analyte was analyzed for but not detected, the associated value is the sample reporting limit.
(2) WT ~ NE - Water Table Not Encountered.
(3) -- Toxicity criteria not available for exposure route.
(4) * The "total xylenes" screening level was used because it is more conservative.

Table 9 (Continued)
Tier 1 Screening: Class II Soil Migration to Groundwater Exposure Route
A Portion of Willow Street Station

Compound/Analyte	Tier 1 Screening Level (mg/kg)	Sample Location and Depth (feet below ground surface)/Concentration			
		SP07-002 7-8	SP07-003 9-11	SP08-001 2-3	SP08-002 6-7
		WT ~ NE	WT ~ NE	WT ~ NE	WT ~ NE
TCL Semivolatiles (mg/kg)					
Bis(2-chloroethoxy)methane	--	0.43 U	0.4 U	20 U	0.45 U
Bis(2-chloroethyl)ether	0.0004	0.43 U	0.4 U	20 U	0.45 U
Bis(2-ethylhexyl)phthalate	31,000	0.43 U	0.4 U	20 U	0.45 U
4-Bromophenyl phenyl ether	--	0.43 U	0.4 U	20 U	0.45 U
Butyl benzyl phthalate	930	0.43 U	0.4 U	20 U	0.45 U
Carbazole	2.8	0.48	0.4 U	20 U	0.45 U
4-Chloro-3-methylphenol	--	0.43 U	0.4 U	20 U	0.45 U
4-Chloroaniline	0.7	0.43 U	0.4 U	20 U	0.45 U
2-Chloronaphthalene	--	0.43 U	0.4 U	20 U	0.45 U
2-Chlorophenol	20	0.43 U	0.4 U	20 U	0.45 U
4-Chlorophenyl phenyl ether	--	0.43 U	0.4 U	20 U	0.45 U
Dibenzofuran	--	0.43 U	0.4 U	20 U	0.45 U
1,2-Dichlorobenzene	43	0.43 U	0.4 U	20 U	0.45 U
1,3-Dichlorobenzene	--	0.43 U	0.4 U	20 U	0.45 U
1,4-Dichlorobenzene	11	0.43 U	0.4 U	20 U	0.45 U
3,3´-Dichlorobenzidine**	0.033	0.87 U	0.8 U	40 U	0.9 U
2,4-Dichlorophenol	1.0	0.43 U	0.4 U	20 U	0.45 U
Diethyl phthalate	470	0.43 U	0.4 U	20 U	0.45 U
Dimethyl phthalate	--	0.43 U	0.4 U	20 U	0.45 U
Di-n-butyl phthalate	2,300	0.43 U	0.4 U	20 U	0.45 U
2,4-Dimethylphenol	9	0.43 U	0.4 U	20 U	0.45 U
4,6-Dinitro-2-methylphenol	--	2.1 U	1.9 U	98 U	2.2 U
2,4-Dinitrophenol**	0.2	2.1 U	1.9 U	98 U	2.2 U
2,4-Dinitrotoluene**	0.0008	0.33 U	0.3 U	15 U	0.34 U
2,6-Dinitrotoluene**	0.0007	0.33 U	0.3 U	15 U	0.34 U
Di-n-octyl phthalate	10,000	0.43 U	0.4 U	20 U	0.45 U
Hexachlorobenzene	11	0.43 U	0.4 U	20 U	0.45 U
Hexachlorobutadiene	--	0.43 U	0.4 U	20 U	0.45 U
Hexachlorocyclopentadiene	2,200	0.43 U	0.4 U	20 U	0.45 U
Hexachloroethane	2.6	0.43 U	0.4 U	20 U	0.45 U
Isophorone	8	0.43 U	0.4 U	20 U	0.45 U
2-Methylnaphthalene	--	0.43 U	0.4 U	20 U	0.45 U
2-Methylphenol	15	0.43 U	0.4 U	20 U	0.45 U
4-Methylphenol	--	0.43 U	0.4 U	20 U	0.45 U
2-Nitroaniline	--	2.1 U	1.9 U	98 U	2.2 U
3-Nitroaniline	--	2.1 U	1.9 U	98 U	2.2 U
4-Nitroaniline	--	2.1 U	1.9 U	98 U	2.2 U
Nitrobenzene**	0.1	0.43 U	0.4 U	20 U	0.45 U
2-Nitrophenol	--	2.1 U	1.9 U	98 U	2.2 U
4-Nitrophenol	--	2.1 U	1.9 U	98 U	2.2 U
N-Nitrosodi-n-propylamine**	0.00005	0.43 U	0.4 U	20 U	0.45 U
N-Nitrosodiphenylamine	5.6	0.43 U	0.4 U	20 U	0.45 U
2,2'-oxybis(1-Chloropropane)	--	0.43 U	0.4 U	20 U	0.45 U
Pentachlorophenol	0.14	2.1 U	1.9 U	98 U	2.2 U
Phenol	100	0.43 U	0.4 U	20 U	0.45 U
1,2,4-Trichlorobenzene	53	0.43 U	0.4 U	20 U	0.45 U
2,4,5-Trichlorophenol	1,400	0.87 U	0.8 U	40 U	0.9 U
2,4,6-Trichlorophenol	0.77	0.43 U	0.4 U	20 U	0.45 U

Notes:
(1) U - Indicates compound/analyte was analyzed for but not detected, the associated value is the sample reporting limit.
(2) WT ~ NE - Water Table Not Encountered.
(3) -- Toxicity criteria not available for exposure route.
(4) ** Value exceeds TACO screening level but was consistently non-detect so none shaded.

Table 9 (Continued)
Tier 1 Screening: Class II Soil Migration to Groundwater Exposure Route
A Portion of Willow Street Station

Compound/Analyte	Tier 1 Screening Level* (mg/kg)	Sample Location and Depth (feet below ground surface)/Concentration			
		SP07-002 7-8	SP07-003 9-11	SP08-001 2-3	SP08-002 6-7
		WT ~ NE	WT ~ NE	WT ~ NE	WT ~ NE
PAHs (mg/kg)					
Acenaphthene	2,900	0.2	0.03 U	1.5 U	0.034 U
Acenaphthylene	--	0.073	0.03 U	45	0.034 U
Anthracene	59,000	1.5	0.03 U	13	0.034
Benzo(a)anthracene	8	4.3	0.03 U	85	0.1
Benzo(b)fluoranthene	25	3.7	0.03 U	140	0.11
Benzo(k)fluoranthene	250	3.4	0.03 U	110	0.1
Benzo(g,h,i)perylene	--	0.9	0.03 U	64	0.051
Benzo(a)pyrene	82	3.8	0.03 U	43	0.11
Chrysene	800	4.3	0.03 U	140	0.12
Dibenzo(a,h)anthracene	7.6	0.42	0.03 U	31	0.034 U
Fluoranthene	21,000	11	0.03 U	43	0.082
Fluorene	2,800	0.21	0.03 U	8.9	0.034 U
Indeno(1,2,3-cd)pyrene	69	1	0.03 U	57	0.05
Naphthalene	18	0.033 U	0.03 U	1.9	0.11
Phenanthrene	--	2.8	0.03 U	3.7	0.074
Pyrene	21,000	9.4	0.03 U	82	0.18
PCBs (mg/kg)					
Aroclor 1016	--	0.1 U	0.095 U	1.1 U	0.11 U
Aroclor 1221	--	0.1 U	0.095 U	1.1 U	0.11 U
Aroclor 1232	--	0.1 U	0.095 U	1.1 U	0.11 U
Aroclor 1242	--	0.1 U	0.095 U	1.1 U	0.11 U
Aroclor 1248	--	0.1 U	0.095 U	1.1 U	0.11 U
Aroclor 1254	--	0.21 U	0.19 U	2.2 U	0.23 U
Aroclor 1260	--	0.21 U	0.19 U	2.2 U	0.23 U
Priority Pollutant Metals and Total Cyanide (mg/kg)					
Antimony	20	1.2 UJ	1.2 UJ	1.7 J	1.4 UJ
Arsenic	120	6	8.5	36	4.6
Beryllium	1,000,000	0.62 U	0.58 U	0.71 U	0.71 U
Cadmium	4,300	0.62 U	0.58 U	0.71 U	0.71 U
Chromium**	28	17	18	15	16
Copper	330,000	41 J	28 J	100 J	38 J
Lead***	36	37	16	280 J	32
Mercury	40	0.8	0.029 U	0.5	0.081
Nickel	76,000	20	33	15 J	21
Selenium	2.4	1.2 U	1.2 U	1.4 U	1.4 U
Silver**	110	1.2 U	1.2 U	1.4 U	1.4 U
Thallium	38	1.2 U	1.2 U	1.4 U	1.4 U
Zinc	110,000	81 J	43 J	72	79 J
Total Cyanide	120	0.33 U	0.3 U	0.84	0.36 U

Notes:
(1) U - Indicates compound/analyte was analyzed for but not detected, the associated value is the sample reporting limit.
(2) J - Indicates an estimated value.
(3) WT ~ NE - Water Table Not Encountered.
(4) Shaded values exceeded Tier 1 screening level.
(5) -- Toxicity criteria not available for exposure route.
(6) * - Toxicity criteria for metals and cyanide are only applicable to TCLP data, therefore pH-dependent screening levels for Class II groundwater were used.
(7) ** - pH-dependent screening level was not available for Class II groundwater; therefore, pH-dependent screening level for Class I groundwater was used.
(8) *** - Metropolitan statistical background value was used because no pH-dependent Tier 1 screening value is available.

Table 9 (Continued)
Tier 1 Screening: Class II Soil Migration to Groundwater Exposure Route
A Portion of Willow Street Station

Compound/Analyte	Tier 1 Screening Level (mg/kg)	Sample Location and Depth (feet below ground surface)/Concentration			
		SP09-001 2-3	SP09-002 6-7	SP10-001 1-2	SP10-002 7-8
		WT ~ NE	WT ~ NE	WT ~ NE	WT ~ NE
TCL Volatiles (mg/kg)					
Acetone	16	0.028 U	0.04 U	0.076	0.066
Benzene	0.17	0.0057 U	0.008 U	0.0088 U	0.0082 U
Bromodichloromethane	0.6	0.0057 U	0.008 U	0.0088 U	0.0082 U
Bromoform	0.8	0.0057 U	0.008 U	0.0088 U	0.0082 U
Bromomethane	1.2	0.011 U	0.016 U	0.018 U	0.016 U
2-Butanone	--	0.011 U	0.016 U	0.028	0.023
Carbon Disulfide	160	0.0057 U	0.008 U	0.0088 U	0.0082 U
Carbon Tetrachloride	0.33	0.0057 U	0.008 U	0.0088 U	0.0082 U
Chlorobenzene	6.5	0.0057 U	0.008 U	0.0088 U	0.0082 U
Chloroethane	--	0.011 U	0.016 U	0.018 U	0.016 U
Chloroform	2.9	0.0057 U	0.008 U	0.0088 U	0.0082 U
Chloromethane	--	0.0057 U	0.008 U	0.0088 U	0.0082 U
Dibromochloromethane	0.4	0.0057 U	0.008 U	0.0088 U	0.0082 U
1,1-Dichloroethane	110	0.0057 U	0.008 U	0.0088 U	0.0082 U
1,2-Dichloroethane	0.1	0.0057 U	0.008 U	0.0088 U	0.0082 U
1,1-Dichloroethene	0.3	0.0057 U	0.008 U	0.0088 U	0.0082 U
cis-1,2-Dichloroethene	1.1	0.0057 U	0.008 U	0.0088 U	0.0082 U
trans-1,2-Dichloroethene	3.4	0.0057 U	0.008 U	0.0088 U	0.0082 U
1,2-Dichloropropane	0.15	0.0057 U	0.008 U	0.0088 U	0.0082 U
cis-1,3-Dichloropropene	0.02	0.0057 U	0.008 U	0.0088 U	0.0082 U
trans-1,3-Dichloropropene	0.02	0.0057 U	0.008 U	0.0088 U	0.0082 U
Ethylbenzene	19	0.0057 U	0.008 U	0.0088 U	0.0082 U
2-Hexanone	--	0.011 U	0.016 U	0.018 U	0.016 U
4-Methyl-2-Pentanone	--	0.011 U	0.016 U	0.018 U	0.016 U
Methylene Chloride	0.2	0.011 U	0.016 U	0.018 U	0.016 U
Styrene	18	0.0057 U	0.008 U	0.0088 U	0.0082 U
1,1,2,2-Tetrachloroethane	--	0.0057 U	0.008 U	0.0088 U	0.0082 U
Tetrachloroethene	0.3	0.0057 U	0.008 U	0.0088 U	0.0082 U
Toluene	29	0.0057 U	0.008 U	0.0088 U	0.0082 U
1,1,1-Trichloroethane	9.6	0.0057 U	0.008 U	0.0088 U	0.0082 U
1,1,2-Trichloroethane	0.3	0.0057 U	0.008 U	0.0088 U	0.0082 U
Trichloroethene	0.3	0.0057 U	0.008 U	0.0088 U	0.0082 U
Vinyl Chloride	0.07	0.0057 U	0.008 U	0.0088 U	0.0082 U
m,p-Xylene*	150	0.0057 U	0.008 U	0.0088 U	0.0082 U
o-Xylene*	150	0.0057 U	0.008 U	0.0088 U	0.0082 U

Notes:
(1) U - Indicates compound/analyte was analyzed for but not detected, the associated value is the sample reporting limit.
(2) WT ~ NE - Water Table Not Encountered.
(3) -- Toxicity criteria not available for exposure route.
(4) * The "total xylenes" screening level was used because it is more conservative.

Table 9 (Continued)
Tier 1 Screening: Class II Soil Migration to Groundwater Exposure Route
A Portion of Willow Street Station

Compound/Analyte	Tier 1 Screening Level (mg/kg)	Sample Location and Depth (feet below ground surface)/Concentration			
		SP09-001 2-3	SP09-002 6-7	SP10-001 1-2	SP10-002 7-8
		WT ~ NE	WT ~ NE	WT ~ NE	WT ~ NE
TCL Semivolatiles (mg/kg)					
Bis(2-chloroethoxy)methane	--	3.8 U	0.42 U	0.38 U	0.38 U
Bis(2-chloroethyl)ether	0.0004	3.8 U	0.42 U	0.38 U	0.38 U
Bis(2-ethylhexyl)phthalate	31,000	3.8 U	0.42 U	0.38 U	0.38 U
4-Bromophenyl phenyl ether	--	3.8 U	0.42 U	0.38 U	0.38 U
Butyl benzyl phthalate	930	3.8 U	0.42 U	0.38 U	0.38 U
Carbazole	2.8	5.5	0.42 U	0.75	0.38 U
4-Chloro-3-methylphenol	--	3.8 U	0.42 U	0.38 U	0.38 U
4-Chloroaniline	0.7	3.8 U	0.42 U	0.38 U	0.38 U
2-Chloronaphthalene	--	3.8 U	0.42 U	0.38 U	0.38 U
2-Chlorophenol	20	3.8 U	0.42 U	0.38 U	0.38 U
4-Chlorophenyl phenyl ether	--	3.8 U	0.42 U	0.38 U	0.38 U
Dibenzofuran	--	3.8 U	0.42 U	0.38 U	0.38 U
1,2-Dichlorobenzene	43	3.8 U	0.42 U	0.38 U	0.38 U
1,3-Dichlorobenzene	--	3.8 U	0.42 U	0.38 U	0.38 U
1,4-Dichlorobenzene	11	3.8 U	0.42 U	0.38 U	0.38 U
3,3´-Dichlorobenzidine**	0.033	7.7 U	0.84 U	0.76 U	0.76 U
2,4-Dichlorophenol	1.0	3.8 U	0.42 U	0.38 U	0.38 U
Diethyl phthalate	470	3.8 U	0.42 U	0.38 U	0.38 U
Dimethyl phthalate	--	3.8 U	0.42 U	0.38 U	0.38 U
Di-n-butyl phthalate	2,300	3.8 U	0.42 U	0.38 U	0.38 U
2,4-Dimethylphenol	9	3.8 U	0.42 U	0.38 U	0.38 U
4,6-Dinitro-2-methylphenol	--	19 U	2 U	1.8 U	1.8 U
2,4-Dinitrophenol**	0.2	19 U	2 U	1.8 U	1.8 U
2,4-Dinitrotoluene**	0.0008	2.9 U	0.32 U	0.29 U	0.29 U
2,6-Dinitrotoluene**	0.0007	2.9 U	0.32 U	0.29 U	0.29 U
Di-n-octyl phthalate	10,000	3.8 U	0.42 U	0.38 U	0.38 U
Hexachlorobenzene	11	3.8 U	0.42 U	0.38 U	0.38 U
Hexachlorobutadiene	--	3.8 U	0.42 U	0.38 U	0.38 U
Hexachlorocyclopentadiene	2,200	3.8 U	0.42 U	0.38 U	0.38 U
Hexachloroethane	2.6	3.8 U	0.42 U	0.38 U	0.38 U
Isophorone	8	3.8 U	0.42 U	0.38 U	0.38 U
2-Methylnaphthalene	--	3.8 U	0.42 U	0.38 U	0.38 U
2-Methylphenol	15	3.8 U	0.42 U	0.38 U	0.38 U
4-Methylphenol	--	3.8 U	0.42 U	0.38 U	0.38 U
2-Nitroaniline	--	19 U	2 U	1.8 U	1.8 U
3-Nitroaniline	--	19 U	2 U	1.8 U	1.8 U
4-Nitroaniline	--	19 U	2 U	1.8 U	1.8 U
Nitrobenzene**	0.1	3.8 U	0.42 U	0.38 U	0.38 U
2-Nitrophenol	--	19 U	2 U	1.8 U	1.8 U
4-Nitrophenol	--	19 U	2 U	1.8 U	1.8 U
N-Nitrosodi-n-propylamine**	0.00005	3.8 U	0.42 U	0.38 U	0.38 U
N-Nitrosodiphenylamine	5.6	3.8 U	0.42 U	0.38 U	0.38 U
2,2'-oxybis(1-Chloropropane)	--	3.8 U	0.42 U	0.38 U	0.38 U
Pentachlorophenol	0.14	19 U	2 U	1.8 U	1.8 U
Phenol	100	3.8 U	0.42 U	0.38 U	0.38 U
1,2,4-Trichlorobenzene	53	3.8 U	0.42 U	0.38 U	0.38 U
2,4,5-Trichlorophenol	1,400	7.7 U	0.84 U	0.76 U	0.76 U
2,4,6-Trichlorophenol	0.77	3.8 U	0.42 U	0.38 U	0.38 U

Notes:
(1) U - Indicates compound/analyte was analyzed for but not detected, the associated value is the sample reporting limit.
(2) WT ~ NE - Water Table Not Encountered.
(3) Shaded values exceeded Tier 1 screening level.
(4) -- Toxicity criteria not available for exposure route.
(5) ** Value exceeds TACO screening level but was consistently non-detect so none shaded.

Table 9 (Continued)
Tier 1 Screening: Class II Soil Migration to Groundwater Exposure Route
A Portion of Willow Street Station

Compound/Analyte	Tier 1 Screening Level* (mg/kg)	Sample Location and Depth (feet below ground surface)/Concentration			
		SP09-001 2-3	SP09-002 6-7	SP10-001 1-2	SP10-002 7-8
		WT ~ NE	WT ~ NE	WT ~ NE	WT ~ NE
PAHs (mg/kg)					
Acenaphthene	2,900	3	0.11	0.16	0.029 U
Acenaphthylene	--	2.3	0.032 U	0.082	0.029 U
Anthracene	59,000	13	0.032 U	0.85	0.029 U
Benzo(a)anthracene	8	36	0.032 U	2.3	0.07
Benzo(b)fluoranthene	25	37	0.032 U	2.7	0.09
Benzo(k)fluoranthene	250	28	0.032 U	2.1	0.081
Benzo(g,h,i)perylene	--	18	0.032 U	1.7	0.1
Benzo(a)pyrene	82	37	0.034	2.2	0.14
Chrysene	800	35	0.032 U	2.5	0.082
Dibenzo(a,h)anthracene	7.6	7.7	0.032 U	0.81	0.029 U
Fluoranthene	21,000	52	0.037	4.6	0.096
Fluorene	2,800	2.9	0.07	0.23	0.029 U
Indeno(1,2,3-cd)pyrene	69	18	0.032 U	1.5	0.065
Naphthalene	18	0.41	0.11	0.36	0.029 U
Phenanthrene	--	29	0.066	2.9	0.029 U
Pyrene	21,000	47	0.051	3.7	0.17
PCBs (mg/kg)					
Aroclor 1016	--	0.92 U	0.1 U	0.091 U	0.096 U
Aroclor 1221	--	0.92 U	0.1 U	0.091 U	0.096 U
Aroclor 1232	--	0.92 U	0.1 U	0.091 U	0.096 U
Aroclor 1242	--	0.92 U	0.1 U	0.091 U	0.096 U
Aroclor 1248	--	0.92 U	0.1 U	0.091 U	0.096 U
Aroclor 1254	--	1.8 U	0.2 U	0.18 U	0.19 U
Aroclor 1260	--	1.8 U	0.2 U	0.18 U	0.19 U
Priority Pollutant Metals and Total Cyanide (mg/kg)					
Antimony	20	1.2 UJ	1.2 UJ	1.7 J	1.2 UJ
Arsenic	120	11	5.4	9.6	15
Beryllium	1,000,000	0.6 U	0.7	0.9	0.88
Cadmium	4,300	1.3	0.61 U	1.1	0.61 U
Chromium**	28	16	16	19	22
Copper	330,000	58 J	20 J	190 J	32 J
Lead***	36	250 J	20	450 J****	21
Mercury	40	2.2	0.059	0.22	0.037
Nickel	76,000	22 J	19	23 J	39
Selenium	2.4	1.2 U	1.2 U	1.1 U	1.2 U
Silver**	110	1.2 U	1.2 U	1.1 U	1.2 U
Thallium	38	1.2 U	1.8	1.3	1.8
Zinc	110,000	370	54 J	390	56 J
Total Cyanide	120	1.8	0.33 U	0.3 U	1

Notes:
(1) U - Indicates compound/analyte was analyzed for but not detected, the associated value is the sample reporting limit.
(2) J - Indicates an estimated value.
(3) WT ~ NE - Water Table Not Encountered.
(4) Shaded values exceeded Tier 1 screening level.
(5) -- Toxicity criteria not available for exposure route.
(6) * - Toxicity criteria for metals and cyanide are only applicable to TCLP data, therefore pH-dependent screening levels for Class II groundwater were used.
(7) ** - pH-dependent screening level was not available for Class II groundwater; therefore, pH-dependent screening level for Class I groundwater was used.
(8) *** - Metropolitan statistical background value was used because no pH-dependent Tier 1 screening value is available.
(9) **** - The SPLP result from SP10-001 is 0.044 mg/l which is below the Tier 1 soil migration to groundwater screening level of 0.1 mg/l and therefore not an exceedence.

Table 9 (Continued)
Tier 1 Screening: Class II Soil Migration to Groundwater Exposure Route
A Portion of Willow Street Station

Compound/Analyte	Tier 1 Screening Level (mg/kg)	Sample Location and Depth (feet below ground surface)/Concentration				
		SP11-001 2-3	SP11-002 9-10	SP11-003 15-16	SP12-001 1-3	SP12-002 7-8
		WT ~ NE	WT ~ NE	WT ~ NE	WT ~ NE	WT ~ NE
TCL Volatiles (mg/kg)						
Acetone	16	0.03 U	0.037 U	0.03 U	0.042 U	0.12
Benzene	0.17	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.12
Bromodichloromethane	0.6	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.017 U
Bromoform	0.8	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.017 U
Bromomethane	1.2	0.012 U	0.015 U	0.012 U	0.017 U	0.034 U
2-Butanone	--	0.012 U	0.015 U	0.012 U	0.017 U	0.039
Carbon Disulfide	160	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.017 U
Carbon Tetrachloride	0.33	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.017 U
Chlorobenzene	6.5	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.017 U
Chloroethane	--	0.012 U	0.015 U	0.012 U	0.017 U	0.034 U
Chloroform	2.9	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.017 U
Chloromethane	--	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.017 U
Dibromochloromethane	0.4	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.017 U
1,1-Dichloroethane	110	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.017 U
1,2-Dichloroethane	0.1	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.017 U
1,1-Dichloroethene	0.3	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.017 U
cis-1,2-Dichloroethene	1.1	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.017 U
trans-1,2-Dichloroethene	3.4	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.017 U
1,2-Dichloropropane	0.15	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.017 U
cis-1,3-Dichloropropene	0.02	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.017 U
trans-1,3-Dichloropropene	0.02	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.017 U
Ethylbenzene	19	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.25
2-Hexanone	--	0.012 U	0.015 U	0.012 U	0.017 U	0.034 U
4-Methyl-2-Pentanone	--	0.012 U	0.015 U	0.012 U	0.017 U	0.034 U
Methylene Chloride	0.2	0.012 U	0.015 U	0.012 U	0.017 U	0.034 U
Styrene	18	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.017 U
1,1,2,2-Tetrachloroethane	--	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.017 U
Tetrachloroethene	0.3	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.017 U
Toluene	29	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.075
1,1,1-Trichloroethane	9.6	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.017 U
1,1,2-Trichloroethane	0.3	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.017 U
Trichloroethene	0.3	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.017 U
Vinyl Chloride	0.07	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.017 U
m,p-Xylene*	150	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.086
o-Xylene*	150	0.006 U	0.0074 U	0.0061 U	0.0084 U	0.047

Notes:
(1) U - Indicates compound/analyte was analyzed for but not detected, the associated value is the sample reporting limit.
(2) WT ~ NE - Water Table Not Encountered.
(3) -- Toxicity criteria not available for exposure route.
(4) * The "total xylenes" screening level was used because it is more conservative.

Table 9 (Continued)
Tier 1 Screening: Class II Soil Migration to Groundwater Exposure Route
A Portion of Willow Street Station

Compound/Analyte	Tier 1 Screening Level (mg/kg)	Sample Location and Depth (feet below ground surface)/Concentration				
		SP11-001 2-3	SP11-002 9-10	SP11-003 15-16	SP12-001 1-3	SP12-002 7-8
		WT ~ NE	WT ~ NE	WT ~ NE	WT ~ NE	WT ~ NE
TCL Semivolatiles (mg/kg)						
Bis(2-chloroethoxy)methane	--	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
Bis(2-chloroethyl)ether	0.0004	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
Bis(2-ethylhexyl)phthalate	31,000	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
4-Bromophenyl phenyl ether	--	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
Butyl benzyl phthalate	930	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
Carbazole	2.8	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
4-Chloro-3-methylphenol	--	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
4-Chloroaniline	0.7	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
2-Chloronaphthalene	--	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
2-Chlorophenol	20	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
4-Chlorophenyl phenyl ether	--	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
Dibenzofuran	--	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
1,2-Dichlorobenzene	43	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
1,3-Dichlorobenzene	--	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
1,4-Dichlorobenzene	11	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
3,3´-Dichlorobenzidine**	0.033	0.77 U	0.77 U	0.75 U	0.78 U	0.8 U
2,4-Dichlorophenol	1.0	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
Diethyl phthalate	470	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
Dimethyl phthalate	--	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
Di-n-butyl phthalate	2,300	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
2,4-Dimethylphenol	9	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
4,6-Dinitro-2-methylphenol	--	1.9 U	1.9 U	1.8 U	1.9 U	1.9 U
2,4-Dinitrophenol**	0.2	1.9 U	1.9 U	1.8 U	1.9 U	1.9 U
2,4-Dinitrotoluene**	0.0008	0.29 U	0.29 U	0.28 U	0.3 U	0.3 U
2,6-Dinitrotoluene**	0.0007	0.29 U	0.29 U	0.28 U	0.3 U	0.3 U
Di-n-octyl phthalate	10,000	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
Hexachlorobenzene	11	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
Hexachlorobutadiene	--	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
Hexachlorocyclopentadiene	2,200	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
Hexachloroethane	2.6	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
Isophorone	8	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
2-Methylnaphthalene	--	0.39 U	0.38 U	0.37 U	0.45	0.4 U
2-Methylphenol	15	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
4-Methylphenol	--	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
2-Nitroaniline	--	1.9 U	1.9 U	1.8 U	1.9 U	1.9 U
3-Nitroaniline	--	1.9 U	1.9 U	1.8 U	1.9 U	1.9 U
4-Nitroaniline	--	1.9 U	1.9 U	1.8 U	1.9 U	1.9 U
Nitrobenzene**	0.1	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
2-Nitrophenol	--	1.9 U	1.9 U	1.8 U	1.9 U	1.9 U
4-Nitrophenol	--	1.9 U	1.9 U	1.8 U	1.9 U	1.9 U
N-Nitrosodi-n-propylamine**	0.00005	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
N-Nitrosodiphenylamine	5.6	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
2,2'-oxybis(1-Chloropropane)	--	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
Pentachlorophenol	0.14	1.9 U	1.9 U	1.8 U	1.9 U	1.9 U
Phenol	100	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
1,2,4-Trichlorobenzene	53	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U
2,4,5-Trichlorophenol	1,400	0.77 U	0.77 U	0.75 U	0.78 U	0.8 U
2,4,6-Trichlorophenol	0.77	0.39 U	0.38 U	0.37 U	0.39 U	0.4 U

Notes:
(1) U - Indicates compound/analyte was analyzed for but not detected, the associated value is the sample reporting limit.
(2) WT ~ NE - Water Table Not Encountered.
(3) -- Toxicity criteria not available for exposure route.
(4) ** Value exceeds TACO screening level but was consistently non-detect so none shaded.

Table 9 (Continued)
Tier 1 Screening: Class II Soil Migration to Groundwater Exposure Route
A Portion of Willow Street Station

Compound/Analyte	Tier 1 Screening Level* (mg/kg)	Sample Location and Depth (feet below ground surface)/Concentration				
		SP11-001 2-3	SP11-002 9-10	SP11-003 15-16	SP12-001 1-3	SP12-002 7-8
		WT ~ NE	WT ~ NE	WT ~ NE	WT ~ NE	WT ~ NE
PAHs (mg/kg)						
Acenaphthene	2,900	0.029 U	0.029 U	0.028 U	0.03 U	0.099
Acenaphthylene	--	0.094	0.029 U	0.028 U	0.072	0.067
Anthracene	59,000	0.42	0.029 U	0.028 U	0.12	0.16
Benzo(a)anthracene	8	0.55	0.029 U	0.028 U	0.54	0.24
Benzo(b)fluoranthene	25	0.56	0.029 U	0.028 U	0.55	0.32
Benzo(k)fluoranthene	250	0.4	0.029 U	0.028 U	0.45	0.26
Benzo(g,h,i)perylene	--	0.43	0.029 U	0.028 U	0.46	0.11
Benzo(a)pyrene	82	0.44	0.029 U	0.028 U	0.61	0.33
Chrysene	800	0.57	0.029 U	0.028 U	0.58	0.48
Dibenzo(a,h)anthracene	7.6	0.088	0.029 U	0.028 U	0.067	0.04
Fluoranthene	21,000	0.82	0.029 U	0.028 U	0.85	0.87
Fluorene	2,800	0.029 U	0.029 U	0.028 U	0.03 U	0.091
Indeno(1,2,3-cd)pyrene	69	0.36	0.029 U	0.028 U	0.4	0.098
Naphthalene	18	0.034	0.029 U	0.037	0.24	0.13
Phenanthrene	--	0.39	0.029 U	0.043	0.53	0.41
Pyrene	21,000	0.73	0.029 U	0.028 U	0.91	1
PCBs (mg/kg)						
Aroclor 1016	--	0.093 U	0.093 U	0.092 U	0.095 U	0.098 U
Aroclor 1221	--	0.093 U	0.093 U	0.092 U	0.095 U	0.098 U
Aroclor 1232	--	0.093 U	0.093 U	0.092 U	0.095 U	0.098 U
Aroclor 1242	--	0.093 U	0.093 U	0.092 U	0.095 U	0.098 U
Aroclor 1248	--	0.093 U	0.093 U	0.092 U	0.095 U	0.098 U
Aroclor 1254	--	0.19 U	0.19 U	0.18 U	0.19 U	0.2 U
Aroclor 1260	--	0.19 U	0.19 U	0.18 U	0.19 U	0.2 U
Priority Pollutant Metals and Total Cyanide (mg/kg)						
Antimony	20	1.1 UJ	1.2 UJ	1.1 UJ	1.2 UJ	1.2 J
Arsenic	120	8.9	3.5	8.5	7.7	8.8
Beryllium	1,000,000	0.82	0.74	0.65	0.65	0.66
Cadmium	4,300	0.56 U	0.59 U	0.55 U	0.62	0.62 U
Chromium**	28	21	21	18	15	15
Copper	330,000	37 J	25 J	33 J	41 J	22 J
Lead***	36	130 J	15	17	88 J	80
Mercury	40	0.63	0.17	0.027 U	0.62	0.61
Nickel	76,000	33 J	30	38	27 J	21
Selenium	2.4	1.1 U	1.2 U	1.1 U	1.2 U	1.2 U
Silver**	110	1.1 U	1.2 U	1.1 U	1.2 U	1.2 U
Thallium	38	1.6	2	3.6	1.5	1.4
Zinc	110,000	89	50 J	62 J	120	89 J
Total Cyanide	120	0.3 U	0.3 U	0.3 U	0.3 U	0.31 U

Notes:
(1) U - Indicates compound/analyte was analyzed for but not detected, the associated value is the sample reporting limit.
(2) J - Indicates an estimated value.
(3) WT ~ NE - Water Table Not Encountered.
(4) Shaded values exceeded Tier 1 screening level.
(5) -- Toxicity criteria not available for exposure route.
(6) * - Toxicity criteria for metals and cyanide are only applicable to TCLP data, therefore pH-dependent screening levels for Class II groundwater were used.
(7) ** - pH-dependent screening level was not available for Class II groundwater; therefore, pH-dependent screening level for Class I groundwater was used.
(8) *** - Metropolitan statistical background value was used because no pH-dependent Tier 1 screening value is available.

Table 9 (Continued)
Tier 1 Screening: Class II Soil Migration to Groundwater Exposure Route
November 2000 Site Investigation
A Portion of Willow Street Station

Compound/Analyte	Tier 1 Screening Level (mg/kg)	Sample Location and Depth (feet below ground surface)/Concentration				
		SB-01 9-10	SB-02 4-6	SB-02 8-10	SB-03 9-11	SB-04 1-3
BTEX (mg/kg)						
Benzene	0.17	0.099	0.010	0.002 U	0.002 U	0.003
Ethylbenzene	19	0.005 U	0.005	0.005 U	0.005 U	0.005 U
Toluene	29	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Xylenes (total)	150	0.005 U	0.006	0.005 U	0.005 U	0.005 U
Phenols (mg/kg)						
2,4-Dimethylphenol	9	0.330 U	0.330 U	0.330 U	0.330 U	0.330 U
2-Methylphenol	15	0.330 U	0.330 U	0.330 U	0.330 U	0.330 U
4-Methylphenol	--	0.330 U	0.330 U	0.330 U	0.330 U	0.330 U
Phenol	100	0.330 U	0.330 U	0.330 U	0.330 U	0.330 U
PAHs (mg/kg)						
Acenaphthene	2,900	0.025 U	0.025 U	0.025 U	0.025 U	0.099
Acenaphthylene	--	0.025 U	0.025 U	0.031	0.025 U	0.357
Anthracene	59,000	0.025 U	0.025 U	0.025 U	0.025 U	0.239
Benzo(a)anthracene	8	0.025 U	0.028	0.097	0.025 U	0.794
Benzo(b)fluoranthene	25	0.025 U	0.031	0.096	0.025 U	0.904
Benzo(k)fluoranthene	250	0.025 U	0.025 U	0.053	0.025 U	0.723
Benzo(g,h,i)perylene	--	0.025 U	0.029	0.046	0.025 U	0.483
Benzo(a)pyrene	82	0.025 U	0.025 U	0.070	0.025 U	0.982
Chrysene	800	0.025 U	0.038	0.115	0.025 U	0.945
Dibenzo(a,h)anthracene	7.6	0.025 U	0.025 U	0.025 U	0.025 U	0.267
Fluoranthene	21,000	0.025 U	0.025 U	0.122	0.025 U	1.17
Fluorene	2,800	0.025 U	0.025 U	0.025 U	0.025 U	0.088
Naphthalene	18	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Phenanthrene	--	0.025 U	0.025 U	0.047	0.025 U	0.679
Pyrene	21,000	0.025 U	0.033	0.208	0.025 U	1.23
Dibenzofuran	--	0.025 U	0.025 U	0.025 U	0.025 U	0.054
2-Methylnaphthalene	--	0.025 U	0.025 U	0.025 U	0.025 U	0.029
Metals and Total Cyanide (mg/kg)						
Arsenic	120	1.29	0.958	0.209	0.467	0.157
Barium	2,100	19.6	14.9	21.8	28.6	5.10
Cadmium	4,300	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Chromium	28	3.87	2.69	2.35	2.32	8.62
Copper	330,000	12.5	2.93	8.00	9.13	39.2
Iron***	15,900	3400	3520	2270	4030	8310
Lead***	36	37.3	30.1	6.26	8.34	39.2
Manganese***	636	134	164	186	181	33.5
Mercury	40	0.040 U	2.22	0.040 U	0.040 U	0.389
Nickel	76,000	9.66	2.05	9.07	9.89	4.47
Selenium	2.4	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
Silver**	110	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Zinc	110,000	19.1	12.2	10.0	13.4	23.4
Total Cyanide	120	0.180	0.360	0.440	0.100 U	3.17

Note:
(1) U - Indicates compound/analyte was analyzed for but not detected, the associated value is the sample reporting limit.
(2) -- Toxicity criteria not available for exposure route.
(3) * - Toxicity criteria for metals and cyanide are only applicable to TCLP data, therefore pH-dependent screening levels for Class II groundwater were used.
(4) ** - pH-dependent screening level was not available for Class II groundwater; therefore, pH-dependent screening level for Class I groundwater was used.
(5) *** - Metropolitan statistical background value was used because no pH-dependent Tier 1 screening value is available.
(6) Shaded values exceeded Tier 1 screening level.

Table 9 (Continued)
Tier 1 Screening: Class II Soil Migration to Groundwater Exposure Route
November 2000 Site Investigation
A Portion of Willow Street Station

Compound/Analyte	Tier 1 Screening Level (mg/kg)	Sample Location and Depth (feet below ground surface)/Concentration				
		SB-04 7-9	SB-05 1-3	SB-05 7-9	SB-06 1-3	SB-06 7-9
BTEX (mg/kg)						
Benzene	0.17	0.002 U	0.004	3.80	0.009	2.80
Ethylbenzene	19	0.005 U	0.005 U	0.126	0.005	3.98
Toluene	29	0.005 U	0.005 U	0.015	0.005 U	0.045
Xylenes (total)	150	0.005 U	0.005 U	0.333	0.005 U	0.670
Phenols (mg/kg)						
2,4-Dimethylphenol	9	0.330 U	0.330 U	0.330 U	0.330 U	0.330 U
2-Methylphenol	15	0.330 U	0.330 U	0.330 U	0.330 U	0.330 U
4-Methylphenol	--	0.330 U	0.330 U	0.330 U	0.330 U	0.330 U
Phenol	100	0.330 U	0.330 U	0.330 U	0.330 U	0.330 U
PAHs (mg/kg)						
Acenaphthene	2,900	0.356	0.088	2.56	0.116	1.48
Acenaphthylene	--	2.11	1.05	0.979	0.295	0.829
Anthracene	59,000	1.95	0.516	4.03	0.271	2.56
Benzo(a)anthracene	8	4.71	2.69	5.06	1.24	2.46
Benzo(b)fluoranthene	25	3.41	3.23	3.24	0.341	1.50
Benzo(k)fluoranthene	250	2.38	2.05	2.85	0.410	1.57
Benzo(g,h,i)perylene	--	1.93	2.36	3.11	0.606	1.57
Benzo(a)pyrene	82	4.53	4.13	5.60	0.433	2.75
Chrysene	800	5.35	2.87	4.68	1.45	2.62
Dibenzo(a,h)anthracene	7.6	0.931	0.317	0.469	0.328	0.328
Fluoranthene	21,000	6.89	4.67	11.9	1.89	4.64
Fluorene	2,800	0.705	0.172	2.42	0.033	1.28
Naphthalene	18	0.127	0.122	6.74	0.368	25.7
Phenanthrene	--	3.48	1.59	15.9	1.24	7.21
Pyrene	21,000	10.3	6.63	15.7	2.24	6.41
Dibenzofuran	--	0.249	0.054	0.105	0.113	0.063
2-Methylnaphthalene	--	0.041	0.068	0.291	0.217	1.81
Metals and Total Cyanide (mg/kg)						
Arsenic	120	0.484	0.486	1.97	0.294	0.962
Barium	2,100	26.6	30.0	29.4	22.3	25.3
Cadmium	4,300	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Chromium	28	3.00	4.71	5.41	6.70	4.39
Copper	330,000	14.2	23.5	22.5	13.1	15.9
Iron***	15,900	5300	3710	5930	24800	5270
Lead***	36	14.5	208	39.9	19.4	30.2
Manganese***	636	991	147	266	531	228
Mercury	40	0.268	0.465	0.188	0.199	0.124
Nickel	76,000	13.5	6.75	13.0	5.23	9.03
Selenium	2.4	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
Silver**	110	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Zinc	110,000	17.4	62.9	53.1	17.0	28.4
Total Cyanide	120	4.67	1.58	0.100 U	2.46	1.09

Note:
(1) U - Indicates compound/analyte was analyzed for but not detected, the associated value is the sample reporting limit.
(2) -- Toxicity criteria not available for exposure route.
(3) * - Toxicity criteria for metals and cyanide are only applicable to TCLP data, therefore pH-dependent screening levels for Class II groundwater were used.
(4) ** - pH-dependent screening level was not available for Class II groundwater; therefore, pH-dependent screening level for Class I groundwater was used.
(5) *** - Metropolitan statistical background value was used because no pH-dependent Tier 1 screening value is available.
(6) Shaded values exceeded Tier 1 screening level.

Table 9 (Continued)
Tier 1 Screening: Class II Soil Migration to Groundwater Exposure Route
November 2000 Site Investigation
A Portion of Willow Street Station

Compound/Analyte	Tier 1 Screening Level (mg/kg)	Sample Location and Depth (feet below ground surface)/Concentration			
		SB-07 3-5	SB-07 8-9	SB-08 1-3	SB-08 7-8
BTEX (mg/kg)					
Benzene	0.17	0.006	0.061	0.007	0.002 U
Ethylbenzene	19	0.005 U	0.022	0.005 U	0.005 U
Toluene	29	0.005 U	0.045	0.005 U	0.005 U
Xylenes (total)	150	0.005 U	0.135	0.005 U	0.005 U
Phenols (mg/kg)					
2,4-Dimethylphenol	9	0.330 U	0.330 U	0.330 U	0.330 U
2-Methylphenol	15	0.330 U	0.330 U	0.330 U	0.330 U
4-Methylphenol	--	0.330 U	0.330 U	0.330 U	0.330 U
Phenol	100	0.330 U	0.330 U	0.330 U	0.330 U
PAHs (mg/kg)					
Acenaphthene	2,900	0.027	0.321	0.138	0.025 U
Acenaphthylene	--	0.589	0.459	1.66	0.049
Anthracene	59,000	0.166	0.742	0.336	0.025 U
Benzo(a)anthracene	8	0.816	2.02	1.35	0.082
Benzo(b)fluoranthene	25	0.411	0.414	1.07	0.025 U
Benzo(k)fluoranthene	250	0.331	0.744	0.882	0.037
Benzo(g,h,i)perylene	--	0.266	0.469	0.963	0.029
Benzo(a)pyrene	82	0.445	1.86	0.621	0.035
Chrysene	800	0.853	1.93	1.77	0.097
Dibenzo(a,h)anthracene	7.6	0.161	0.256	0.482	0.025 U
Fluoranthene	21,000	0.560	2.93	1.00	0.047
Fluorene	2,800	0.161	0.775	0.148	0.025 U
Naphthalene	18	0.069	0.570	1.40	0.025 U
Phenanthrene	--	0.194	2.34	0.310	0.025 U
Pyrene	21,000	0.955	4.12	1.68	0.080
Dibenzofuran	--	0.048	0.089	0.144	0.025 U
2-Methylnaphthalene	--	0.090	0.139	0.253	0.025 U
Metals and Total Cyanide (mg/kg)					
Arsenic	120	1.99	3.58	1.58	0.230
Barium	2,100	26.6	31.0	38.4	16.2
Cadmium	4,300	0.500 U	0.500 U	2.31	0.500 U
Chromium	28	3.26	3.87	10.9	2.32
Copper	330,000	28.1	26.8	50.2	17.6
Iron***	15,900	6000	7520	8400	3060
Lead***	36	93.1	65.6	1210	16.0
Manganese***	636	253	184	211	245
Mercury	40	0.296	0.499	1.23	0.691
Nickel	76,000	8.80	10.5	9.31	8.51
Selenium	2.4	1.00 U	1.00 U	1.00 U	1.00 U
Silver**	110	0.500 U	0.500 U	0.500 U	0.500 U
Zinc	110,000	59.3	58.9	254	13.0
Total Cyanide	120	3.17	1.10	6.79	2.12

Note:
(1) U - Indicates compound/analyte was analyzed for but not detected, the associated value is the sample reporting limit.
(2) -- Toxicity criteria not available for exposure route.
(3) * - Toxicity criteria for metals and cyanide are only applicable to TCLP data, therefore pH-dependent screening levels for Class II groundwater were used.
(4) ** - pH-dependent screening level was not available for Class II groundwater; therefore, pH-dependent screening level for Class I groundwater was used.
(5) *** - Metropolitan statistical background value was used because no pH-dependent Tier 1 screening value is available.
(6) Shaded values exceeded Tier 1 screening level.

Table 10
Tier 1 Screening: Class II Groundwater Ingestion Exposure Route
November 2000 Site Investigation
A Portion of Willow Street Station

Compound/Analyte	Tier 1 Screening	PZ-01	PZ-02
VOCs (mg/l)			
Acetone	0.7	0.025 U	0.025 U
Benzene	0.025	1.70	0.005 U
Bromodichloromethane	0.0002	0.005 U	0.005 U
Bromoform	0.001	0.005 U	0.005 U
Bromomethane	--	0.010 U	0.010 U
2-Butanone	--	0.010 U	0.010 U
Carbon Disulfide	3.5	0.005 U	0.005 U
Carbon Tetrachloride	0.025	0.005 U	0.005 U
Chlorobenzene	0.5	0.005 U	0.005 U
Chloroethane	--	0.010 U	0.010 U
Chloroform	0.001	0.005 U	0.005 U
Chloromethane	--	0.010 U	0.010 U
Dibromochloromethane	0.14	0.005 U	0.005 U
1,1-Dichloroethane	3.5	0.005 U	0.005 U
1,2-Dichloroethane	0.025	0.005 U	0.005 U
1,1-Dichloroethene	0.035	0.005 U	0.005 U
1,2-Dichloroethene	--	0.005 U	0.005 U
1,2-Dichloropropane	0.025	0.005 U	0.005 U
cis-1,3-Dichloropropene	0.005	0.005 U	0.005 U
trans-1,3-Dichloropropene	0.005	0.005 U	0.005 U
Ethylbenzene	1.0	0.338	0.005 U
Hexanone	--	0.010 U	0.010 U
2-Hexanone	--	0.010 U	0.010 U
Methylene Chloride	0.05	0.010 U	0.010 U
Styrene	0.5	0.005 U	0.005 U
1,1,2,2-Tetrachloroethane	--	0.005 U	0.005 U
Tetrachloroethene	0.025	0.005 U	0.005 U
Toluene	2.5	0.030	0.005 U
1,1,1-Trichloroethane	1.0	0.005 U	0.005 U
1,1,2-Trichloroethane	0.05	0.005 U	0.005 U
Trichloroethene	0.025	0.005 U	0.005 U
Vinyl Chloride	0.01	0.010 U	0.010 U
Xylenes (total)	10.0	0.234	0.005 U

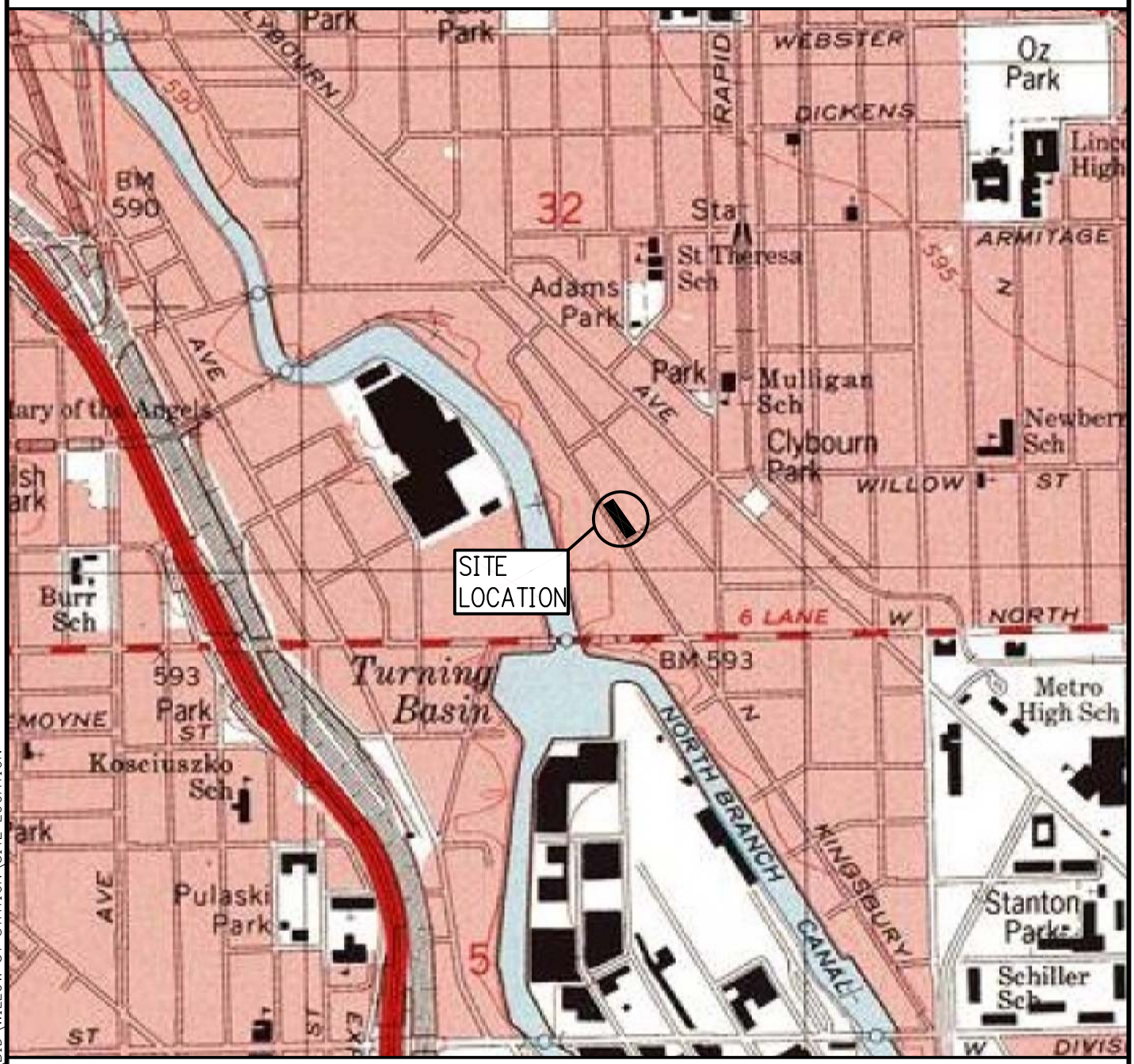
Note:
(1) U - Indicates compound/analyte was analyzed for but not detected, the associated value is the sample reporting limit.
(2) Shaded values exceed Tier 1 screening level.
(3) -- Toxicity criteria not available for exposure route.

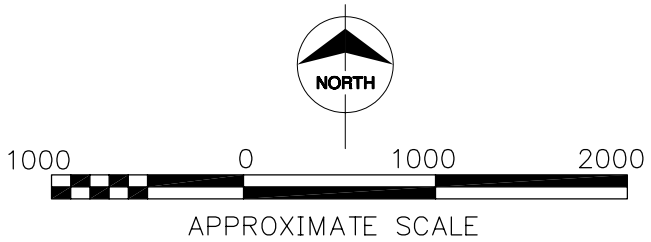
Table 10 (Continued)
Tier 1 Screening: Class II Groundwater Ingestion Exposure Route
A Portion of Willow Street Station

Compound/Analyte	Tier 1 Screening	PZ-01	PZ-02
Phenols (mg/l)			
2,4-Dimethylphenol	0.14	0.010 U	0.010 U
2-Methylphenol	0.35	0.010 U	0.010 U
4-Methylphenol	--	0.010 U	0.010 U
Phenol	0.1	0.010 U	0.010 U
PAHs (mg/l)			
Acenaphthene	2.1	0.711	0.002 U
Acenaphthylene	--	0.045	0.002 U
Anthracene	10.5	0.417	0.002 U
Benzo(a)anthracene	0.00065	0.320	0.0001
Benzo(b)fluoranthene	0.0009	0.164	0.0002
Benzo(k)fluoranthene	0.00085	0.139	0.0001
Benzo(g,h,i)perylene	--	0.014	0.0001
Benzo(a)pyrene	0.002	0.283	0.0001
Chrysene	0.0075	0.312	0.0005 U
Dibenzo(a,h)anthracene	0.0015	0.005	0.0001 U
Fluoranthene	1.4	1.15	0.002 U
Fluorene	1.4	0.351	0.002 U
Naphthalene	0.22	3.52	0.001 U
Phenanthrene	--	1.89	0.002 U
Pyrene	1.05	1.51	0.002 U
Dibenzofuran	--	0.022	0.002 U
2-Methylnaphthalene	--	0.372	0.002 U
Metals and Total Cyanide (mg/l)			
Arsenic	0.2	0.011	0.010 U
Barium	2.0	0.702	0.050
Cadmium	0.05	0.005 U	0.005 U
Chromium	1.0	0.010 U	0.010 U
Copper	0.65	0.010 U	0.010 U
Iron	5.0	0.293	2.46
Lead	0.1	0.005 U	0.005 U
Manganese	10.0	0.016	1.40
Mercury	0.01	0.0005 U	0.0005 U
Nickel	2.0	0.010 U	0.010 U
Selenium	0.05	0.010 U	0.010 U
Silver	--	0.010 U	0.010 U
Zinc	10	0.143	0.076
Total Cyanide	0.6	0.380	1.79
Miscellaneous Parameters (mg/l)			
Nitrogen Nitrate	100	0.380	1.79
Nitrogen, ammonia as N	--	0.100 U	0.100 U
Sulfate	400	15 U	1700
Sulfide (total)	--	0.870	0.050 U

Note:
(1) U - Indicates compound/analyte was analyzed for but not detected, the associated value is the sample reporting limit.
(2) Shaded values exceed Tier 1 screening level.
(3) -- Toxicity criteria not available for exposure route.

FIGURES
A PORTION OF WILLOW STREET STATION





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SINCE 1898

Figure 1

SITE LOCATION MAP
A PORTION OF WILLOW STREET STATION
CHICAGO, ILLINOIS

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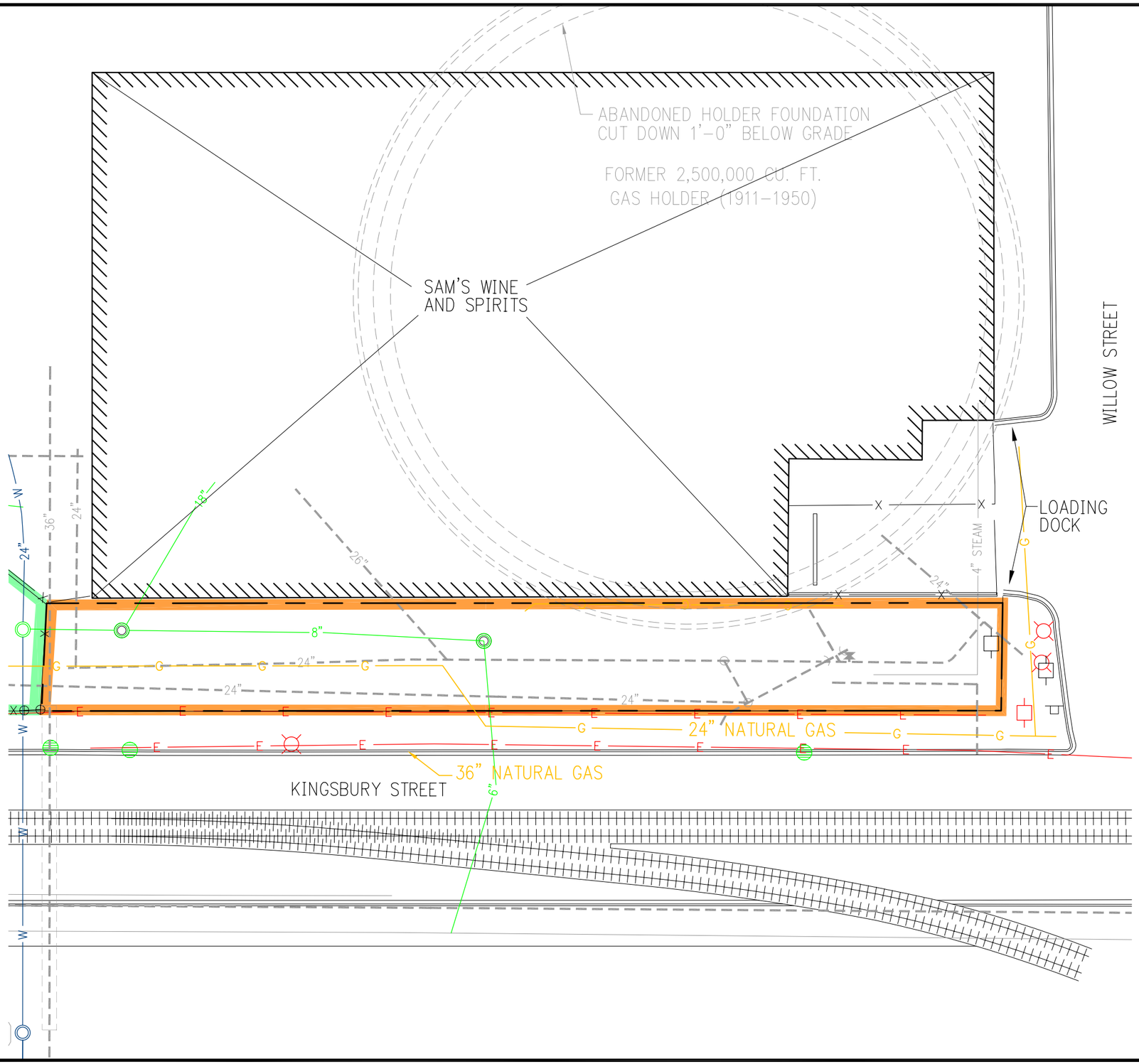

LEGEND

- A PORTION OF WILLOW STREET STATION BOUNDARY
- HAWTHORNE REGULATOR STATION BOUNDARY
- LIGHT POLE
- POWER POLE
- STREET SIGN
- MANHOLE
- POLE BRACE
- EXISTING BUILDING
- ABANDONED PIPE
- SEWER LINE
- WATER MAIN
- GAS MAIN
- ELECTRICAL LINE
- STEAM LINE
- PROPERTY LINE
- RAILROAD TRACKS
- HISTORICAL MGP STRUCTURES

NORTH

30 0 30 60

SCALE IN FEET

Burns & McDonnell SINCE 1898

Figure 2

SITE LAYOUT MAP
A PORTION OF WILLOW STREET STATION
CHICAGO, ILLINOIS

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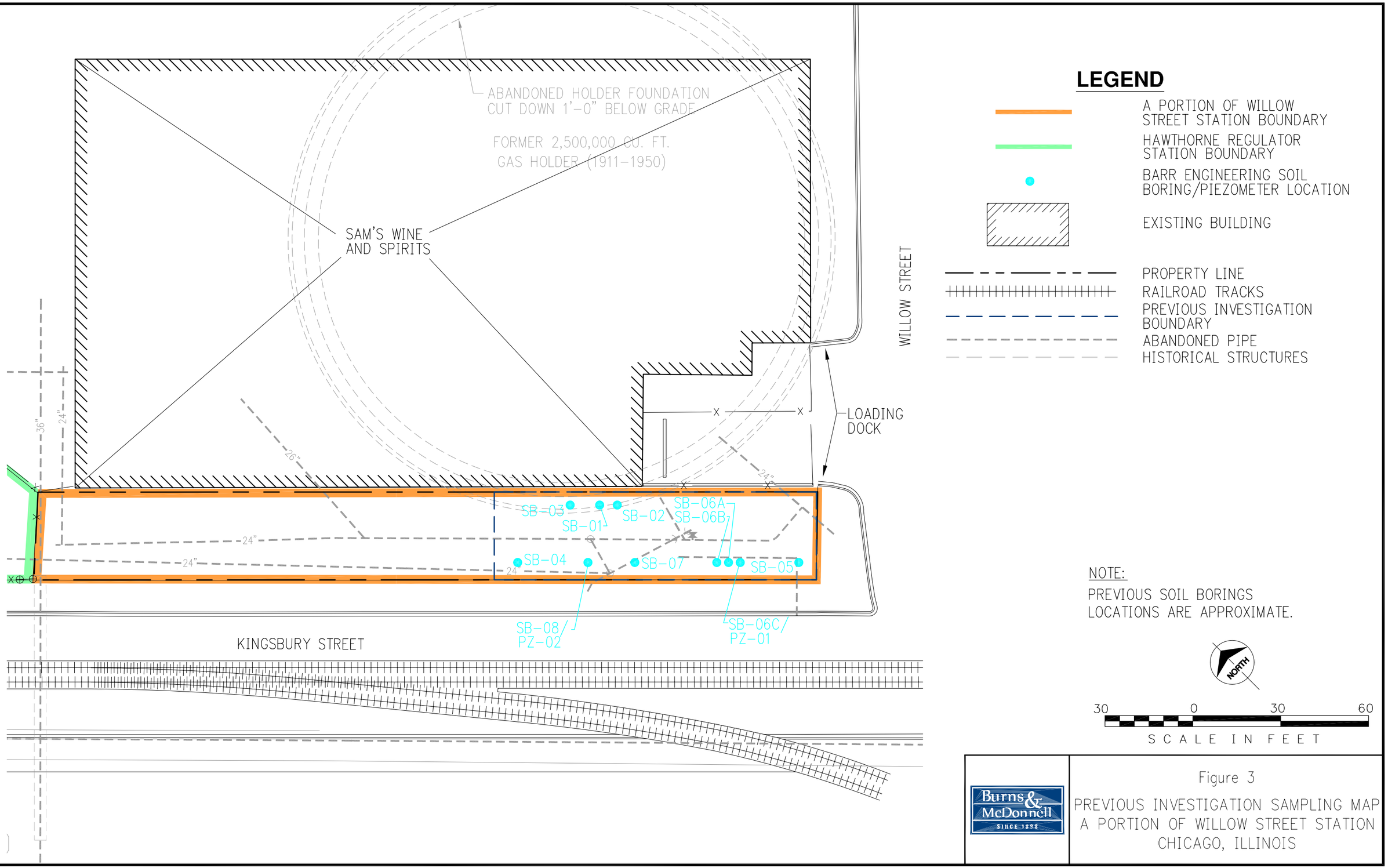

Figure 3

PREVIOUS INVESTIGATION SAMPLING MAP
A PORTION OF WILLOW STREET STATION
CHICAGO, ILLINOIS

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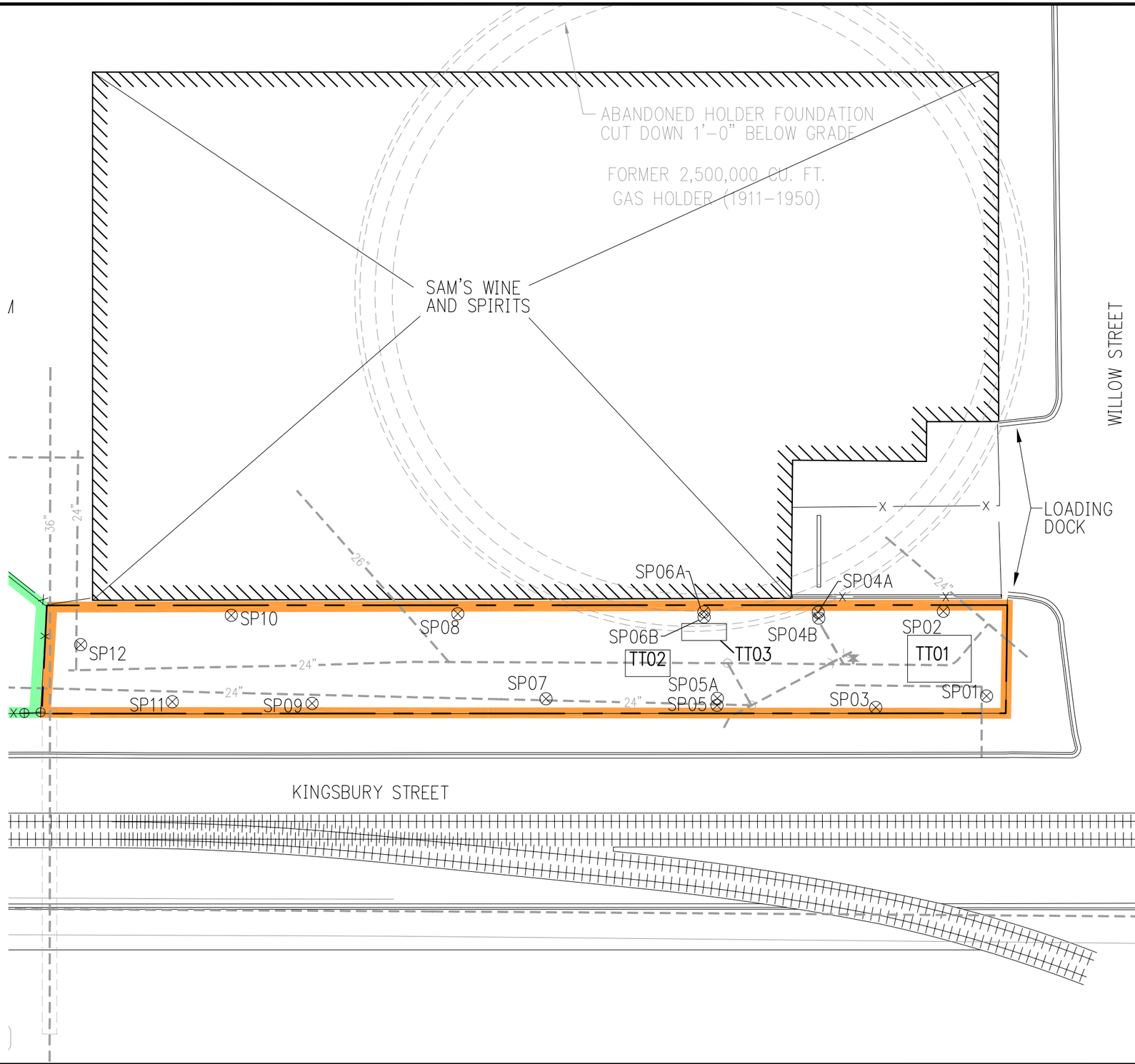

LEGEND

- A PORTION OF WILLOW STREET STATION BOUNDARY
- HAWTHORNE REGULATOR STATION BOUNDARY
- SOIL PROBE LOCATION
- EXISTING BUILDING
- ABANDONED PIPE
- PROPERTY LINE
- RAILROAD TRACKS
- HISTORICAL STRUCTURES
- TT01 — TEST TRENCH LOCATION

NORTH

30 0 30 60

SCALE IN FEET

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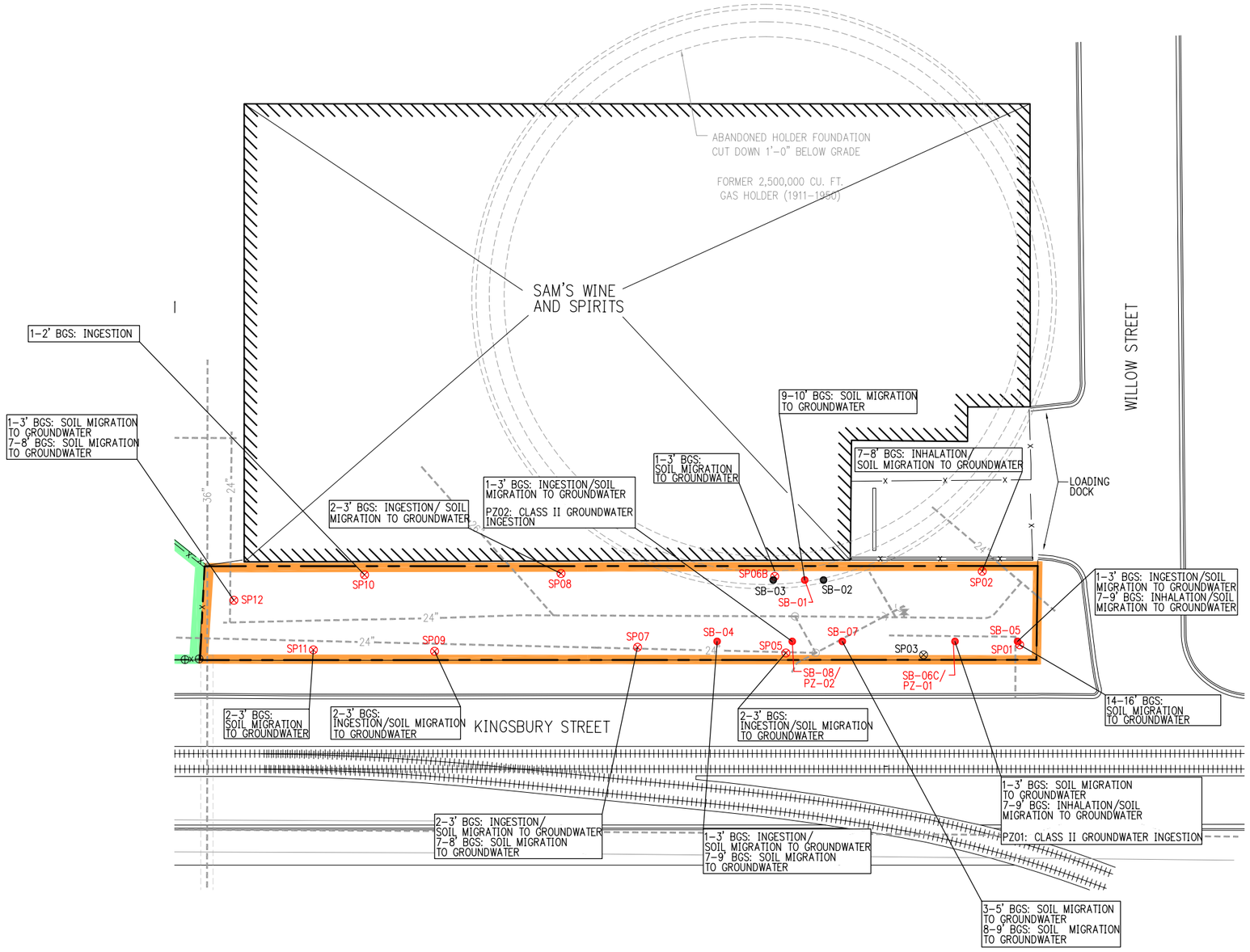
Figure 4

TEST TRENCH AND SOIL PROBING
SAMPLE LOCATION MAP
A PORTION OF WILLOW STREET STATION
CHICAGO, ILLINOIS

I:\PEOPLES GAS\WILLOW PARCEL 1-28020\CAD\BID\WILLOW ST STATION\SAMPLE LOC MAP



LEGEND

- A PORTION OF WILLOW STREET STATION BOUNDARY
- HAWTHORNE REGULATOR STATION BOUNDARY
- SOIL PROBE LOCATION
- SOIL BORING LOCATION
- EXISTING BUILDING
- ABANDONED PIPE
- PROPERTY LINE
- RAILROAD TRACKS
- SB33 SP33 EXCEEDS TIER 1 SCREENING LEVELS
- HISTORICAL STRUCTURES

NOTES:

1. BGS = BELOW GROUND SURFACE
2. SAMPLING INTERVAL SHOWN WITH EXPOSURE ROUTE EXCEEDENCE
3. PROBES SP04A, SP04B, SP05A, AND SP06A WERE NOT SAMPLED

NORTH

20 0 20 40

SCALE IN FEET

Burns & McDonnell SINCE 1898

date 8-29-02	detailed GA
designed	checked

THE PEOPLES GAS LIGHT AND COKE COMPANY CHICAGO, ILLINOIS

Figure 5

TIER 1 EXCEEDENCE MAP
INDUSTRIAL/COMMERCIAL WORKER
A PORTION OF WILLOW STREET STATION
CHICAGO, ILLINOIS

project | contract

drawing | rev.

sheet 0 of 0 sheets

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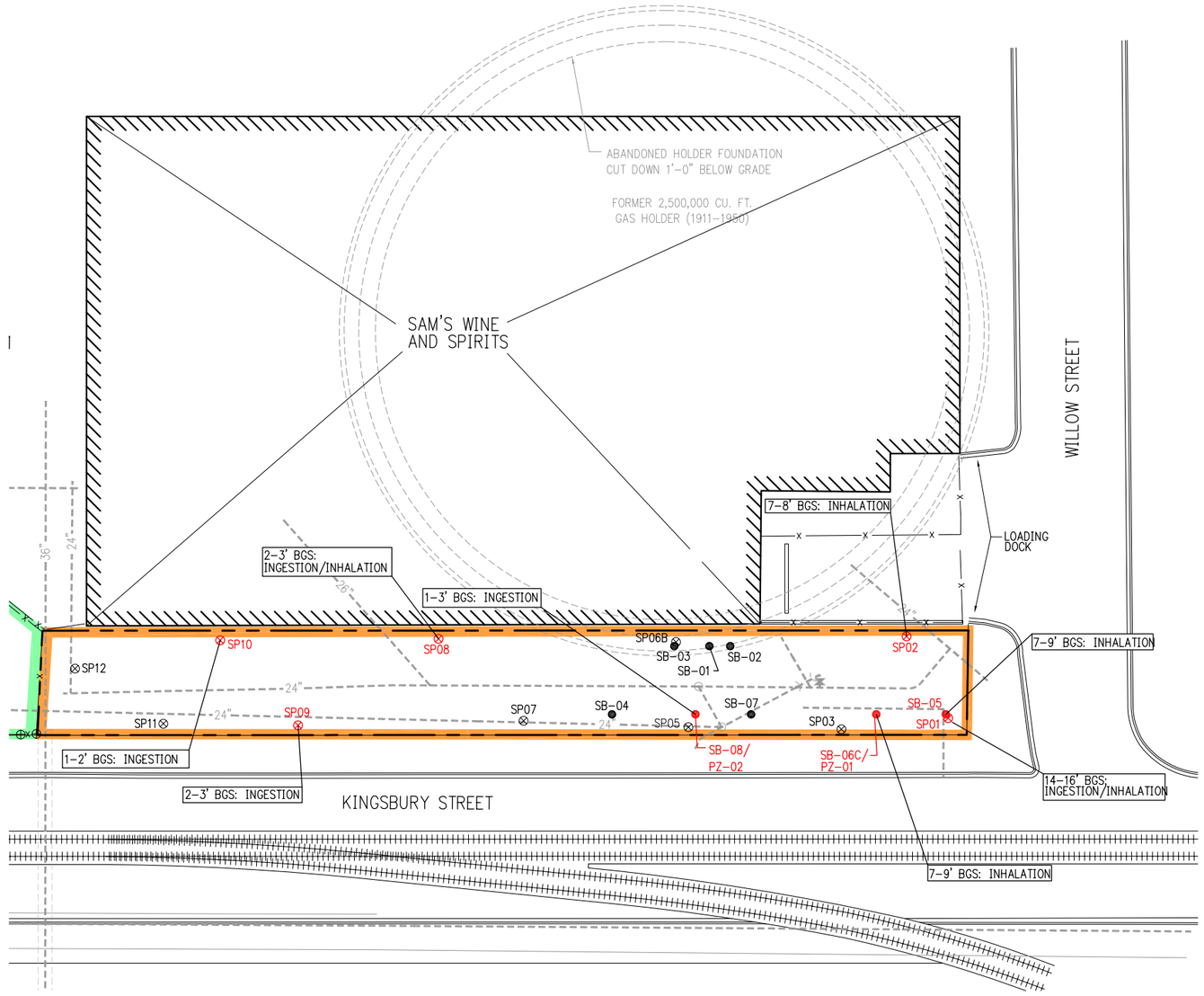
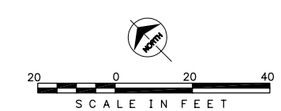


LEGEND

- A PORTION OF WILLOW STREET STATION BOUNDARY
- HAWTHORNE REGULATOR STATION BOUNDARY
- SOIL PROBE LOCATION
- SOIL BORING LOCATION
- EXISTING BUILDING
- ABANDONED PIPE
- PROPERTY LINE
- RAILROAD TRACKS
- SB33 SP33 EXCEEDS TIER 1 SCREENING LEVELS
- HISTORICAL STRUCTURES

NOTES:

1. BGS = BELOW GROUND SURFACE
2. SAMPLING INTERVAL SHOWN WITH EXPOSURE ROUTE EXCEEDENCE
3. PROBES SP04A, SP04B, SP05A, AND SP06A WERE NOT SAMPLED



Burns & McDonnell SINCE 1898

date 8-29-02	detailed GA
designed	checked

THE PEOPLES GAS
LIGHT AND COKE COMPANY
CHICAGO, ILLINOIS

Figure 6
TIER 1 EXCEEDENCE MAP
CONSTRUCTION WORKER
A PORTION OF WILLOW STREET STATION
CHICAGO, ILLINOIS

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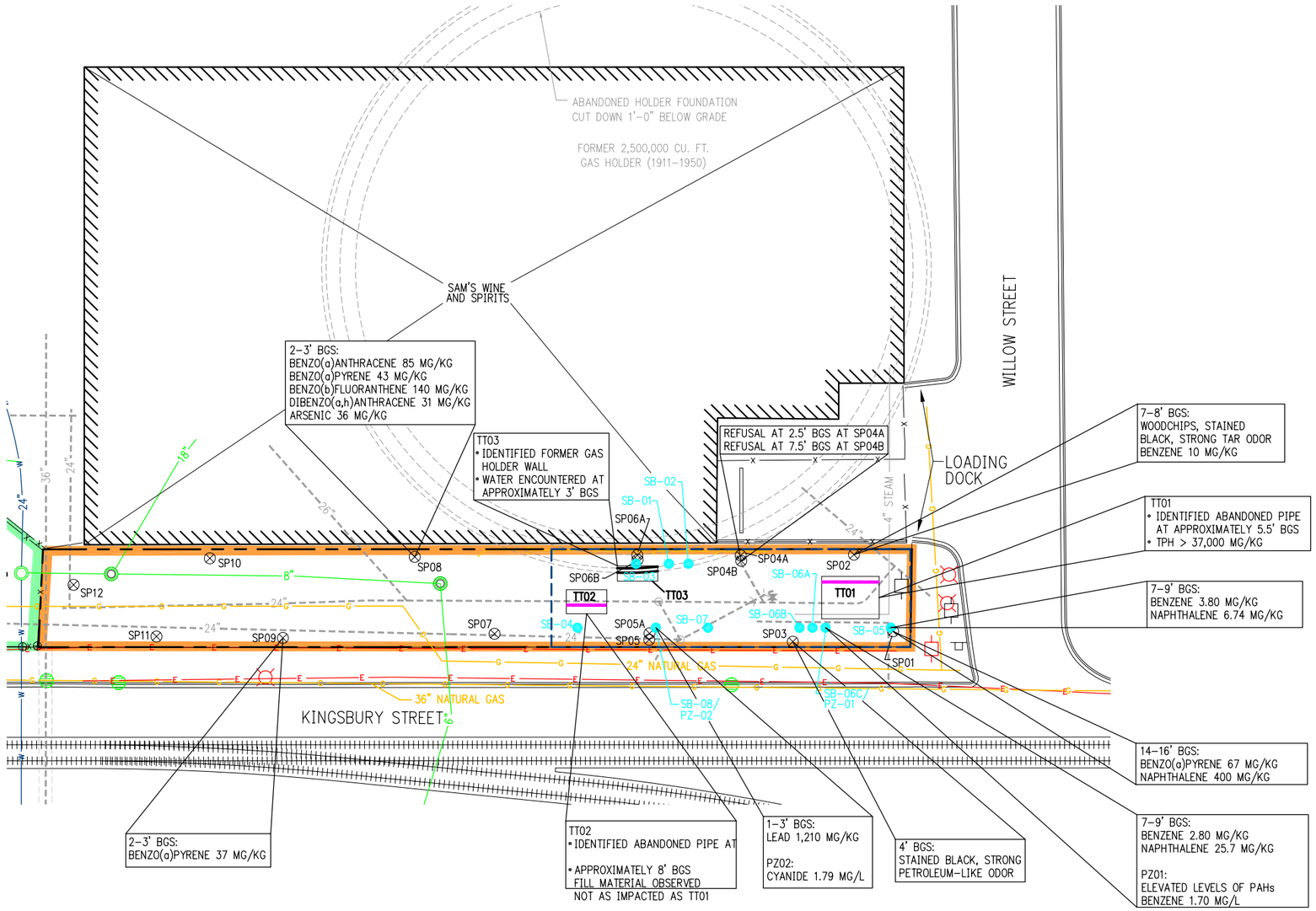

LEGEND

- A PORTION OF WILLOW STREET STATION BOUNDARY
- HAWTHORNE REGULATOR STATION BOUNDARY
- IDENTIFIED ABANDONED PIPE
- LIGHT POLE
- POWER POLE
- STREET SIGN
- MANHOLE
- POLE BRACE
- SOIL PROBE LOCATION
- BARR ENGINEERING SOIL BORING/ PIEZOMETER LOCATION
- EXISTING BUILDING
- ABANDONED PIPE
- SEWER LINE
- W — WATER MAIN
- G — GAS MAIN
- E — ELECTRICAL LINE
- STEAM LINE
- PROPERTY LINE
- RAILROAD TRACKS
- HISTORICAL STRUCTURES
- PREVIOUS INVESTIGATION BOUNDARY
- IDENTIFIED GAS HOLDER WALL
- TT01 — TEST TRENCH LOCATION

NOTES:

1. PREVIOUS SOIL BORING LOCATIONS ARE APPROXIMATE
2. PROBES SP04A, SP04B, SP05A AND SP06A WERE NOT SAMPLED.
3. SOIL SAMPLE COLLECTED FROM SB06 ASSUMED TO BE FROM SB06C.

Burns & McDonnell SINCE 1898

date 8-29-02	detailed GA
designed	checked DS

THE PEOPLES GAS LIGHT AND COKE COMPANY CHICAGO, ILLINOIS

Figure 7
SUMMARY OF FINDINGS MAP
A PORTION OF WILLOW STREET STATION
CHICAGO, ILLINOIS

project | contract
drawing | rev. —
sheet 0 of 0 sheets

file: I:\PEOPLES GAS\WILLOW PARCEL 1-28020\CAD\GIS\WILLOW ST STATION\SUMMARY OF FINDINGS

ATTACHMENT A
PHOTOGRAPHS
A PORTION OF WILLOW STREET STATION

A Portion of Willow Street Station
Date: June 10, 2002

Description:

View of site facing north prior to supplemental SI activities.

A Portion of Willow Street Station
Date: June 10, 2002

Description:

View of bottom of test trench TT01. Top of an abandoned pipe encountered at approximately 5.5 feet below ground surface (bgs). Area is visibly impacted.

A Portion of Willow Street Station
Date: June 10, 2002

Description:

View of west wall of test trench TT01. Area is visibly impacted.

A Portion of Willow Street Staiton
Date: June 11, 2002

Description:

View of north wall of test trench TT02. Top of an abandoned pipe encountered at 8 feet bgs. Test trench TT02 is visibly less impacted than test trench TT01.

A Portion of Willow Street Station
Date: June 14, 2002

Description:

View of test trench TT03 facing west. Part of the assumed former 2,500,000 ft^3 gas holder wall was exposed at approximately 3 feet bgs with standing water inside of the gas holder.

ATTACHMENT B
SOIL PROBE LOGS
A PORTION OF WILLOW STREET STATION

Drilling Log

Project Name	Project No.	Boring Number
Peoples Gas - A Portion of Willow	28020	SP01
Ground Elevation	Coordinates	Page 1 of 2
Surface Conditions: Gravel		Total Depth: 20

Drilling Type	Hole Size (I.D.)	Overburden Feet	Bedrock Feet	No. Of Samples	No. Core Boxes	Depth to Water	Date Measured
GP	2"	20	0	5			

Drilling Company	Rock and Soil Drilling Corporation	Driller (s)	Lance McGill
Drilling Rig	Bobcat Mounted GeoProbe	Type of Sampler	4 foot Macro Sampler with 1.5" diameter acetate liner
Date 6-17-02	To 6-17-02	Logged By: Christy Barry	Reviewed by: Don Schilling

Depth (feet)	Description	Graphic Log	Sample Type	Sample Number	Blow Counts per 6"	N Value*	Sample Recovery	Penetrometer (TSF)	PID Reading (PPM)	Remarks
	FILL, coarse gravel									
1–4	FILL, sand, clay, gravel, dark brown, moist, trace brick, trace coal		4' Macro	1			1.0/4.0		0.0	
4–8	FILL, medium sand, gray, moist		4' Macro	2			1.5/4.0		0.0	
8–12	No recovery.		4' Macro	3			0/4.0		NA	
12–16	FILL, medium sand, stained black, wet, moderate petroleum-like odor		4' Macro	4			3.5/4.0		1.6	
15–16	FILL, clay, moderate brown with gray mottling, moist, medium placticity, trace medium gravel, stained black		4' Macro	5			1.5/4.0		1.6	Sampled 14-16'

Depth to water while drilling

Depth to water after drilling

Drilling Log, continued

Boring Number	SP01
Project Name Peoples Gas - A Portion of Willow	Page 2 of 2
Project Number 28020	Date 6-17-02

Depth (feet)	Description	Graphic Log	Sample Type	Sample Number	Blow Counts per 6"	N Value*	Sample Recovery	Penetro-meter (TSF)	PID Reading (PPM)	Remarks
18	FILL, clay, moderate brown with gray mottling, moist, medium placticity, trace medium gravel, stained black		4' Macro	5			1.5/4.0		1.6	
19	2" wood chips, wet, stained black, moderate petroleum-like odor									
20	Grades to gray, trace fine sand EOB @ 20'									
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										
31										
32										
33										
34										
35										
36										
37										

Drilling Log

Project Name	Project No.	Boring Number
Peoples Gas - A Portion of Willow	28020	SP02
Ground Elevation	Coordinates	Page 1 of 1
Surface Conditions: Gravel		Total Depth: 12

Drilling Type	Hole Size (I.D.)	Overburden Feet	Bedrock Feet	No. Of Samples	No. Core Boxes	Depth to Water	Date Measured
GP	2"	12	0	3			

Drilling Company	Rock and Soil Drilling Corporation	Driller (s)	Lance McGill
Drilling Rig	Bobcat Mounted GeoProbe	Type of Sampler	4 foot Macro Sampler with 1.5" diameter acetate liner
Date 6-17-02	To 6-17-02	Logged By Christy Barry	Reviewed by: Don Schilling

Depth (feet)	Description	Graphic Log	Sample Type	Sample Number	Blow Counts per 6"	N Value*	Sample Recovery	Penetrometer (TSF)	PID Reading (PPM)	Remarks
1–4	FILL, sand, gravel, clay, dark brown/black stained, trace coal, moderate petroleum-like odor		4' Macro	1			3.0/4.0		1.4	
5	0.5' of woodchips, stained black, strong tar odor									
6–7	CLAY (CL), moderate brown with gray mottling, moist, medium plasticity, some tar in fractures, trace coarse sand, trace fine gravel		4' Macro	2			4.0/4.0		21	Sampled 7-8'
8–10	No tar in fractures		4' Macro	3			4.0/4.0		0.8	
12	EOB @ 12'									

Depth to water while drilling

Depth to water after drilling

ENVIRONMENTAL LOG WILLOW2.GPJ BURNS_MO.GDT 9/6/02

Drilling Log

Project Name	Project No.	Boring Number
Peoples Gas - A Portion of Willow	28020	SP03
Ground Elevation	Coordinates	Page 1 of 1
Surface Conditions: Gravel		Total Depth: 16

Drilling Type	Hole Size (I.D.)	Overburden Feet	Bedrock Feet	No. Of Samples	No. Core Boxes	Depth to Water	Date Measured
GP	2"	16	0	4			

Drilling Company	Rock and Soil Drilling Corporation	Driller (s)	Lance McGill
Drilling Rig	Bobcat Mounted GeoProbe	Type of Sampler	4 foot Macro Sampler with 1.5" diameter acetate liner
Date 6-17-02	To 6-17-02	Logged By: Christy Barry	Reviewed by: Don Schilling

Depth (feet)	Description	Graphic Log	Sample Type	Sample Number	Blow Counts per 6"	N Value*	Sample Recovery	Penetrometer (TSF)	PID Reading (PPM)	Remarks
	FILL, gravel									
1–4	FILL, clay, sand, some slag, some coal, dark brown, moist, slight petroleum-like odor		4' Macro	1			3.0/4.0		1.6	
4–7	becomes stained black, strong petroleum-like odor.		4' Macro	2			4.0/4.0		30.6	
7–9	CLAY (CL), some fine gravel, moderate brown with gray mottling, moist, medium plasticity, trace fine sand, slight black staining									
9–10	GRAVEL (GW), brown/gray, medium, angular, some clay, saturated, trace sand, oil sheen on water									
10–12	CLAY (CL), moderate brown with gray mottling, moist, medium plasticity, trace coarse sand, trace fine gravel		4' Macro	3			3.5/4.0		3.5	Sampled 10-11'
12–16	grades to some subangular medium to coarse gravel		4' Macro	4			2.5/4.0		3.5	
16	EOB @ 16'									

Depth to water while drilling

Depth to water after drilling

Drilling Log

Project Name	Project No.	Boring Number
Peoples Gas - A Portion of Willow	28020	SP04A
Ground Elevation	Coordinates	Page 1 of 1
Surface Conditions: Asphalt		Total Depth: 2.5

Drilling Type	Hole Size (I.D.)	Overburden Feet	Bedrock Feet	No. Of Samples	No. Core Boxes	Depth to Water	Date Measured
GP	2"	2.5	0	1			

Drilling Company	Rock and Soil Drilling Corporation	Driller (s)	Lance McGill
Drilling Rig	Bobcat Mounted GeoProbe	Type of Sampler	4 foot Macro Sampler with 1.5" diameter acetate liner
Date 6-17-02 To 6-17-02	Logged By Christy Barry	Reviewed by:	Don Schilling

Depth (feet)	Description	Graphic Log	SAMPLING: Sample Type	Sample Number	Blow Counts per 6"	N Value*	Sample Recovery	Penetrometer (TSF)	PID Reading (PPM)	Remarks (▽ Depth to water while drilling; ▼ Depth to water after drilling)
1–2	FILL, sand, clay, gravel, brown, dry		4' Macro	1			1.0/2.5		NA	
3	EOB @ 2.5' - Refusal									
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										

Drilling Log

Project Name	Project No.	Boring Number
Peoples Gas - A Portion of Willow	28020	SP04B
Ground Elevation	Coordinates	Page 1 of 1
Surface Conditions: Asphalt		Total Depth: 7.5

Drilling Type	Hole Size (I.D.)	Overburden Feet	Bedrock Feet	No. Of Samples	No. Core Boxes	Depth to Water	Date Measured
GP	2"	7.5	0	2			

Drilling Company	Rock and Soil Drilling Corporation	Driller (s)	Lance McGill
Drilling Rig	Bobcat Mounted GeoProbe	Type of Sampler	4 foot Macro Sampler with 1.5" diameter acetate liner
Date 6-17-02	To 6-17-02	Logged By	Christy Barry
Reviewed by:	Don Schilling		

Depth (feet)	Description	Graphic Log	Sample Type	Sample Number	Blow Counts per 6"	N Value*	Sample Recovery	Penetrometer (TSF)	PID Reading (PPM)	Remarks
1–4	FILL, gravel, clay, some sand, brown, moist, trace brick, stained black, moderate petroleum-like odor		4' Macro	1			1.5/4.0		3.5	
4–7	sand increases, wet, strong petroleum odor		4' Macro	2			3.0/3.5		1.2	
7	EOB @ 7.5' - Refusal									

Depth to water while drilling

Depth to water after drilling

ENVIRONMENTAL LOG WILLOW2.GPJ BURNS_MO.GDT 9/6/02

Drilling Log

Project Name	Project No.	Boring Number
Peoples Gas - A Portion of Willow	28020	SP05
Ground Elevation	Coordinates	Page 1 of 2
Surface Conditions: Asphalt		Total Depth: 20

Drilling Type	Hole Size (I.D.)	Overburden Feet	Bedrock Feet	No. Of Samples	No. Core Boxes	Depth to Water	Date Measured
GP	2"	20	0	5			

Drilling Company: Rock and Soil Drilling Corporation	Driller (s): Lance McGill
Drilling Rig: Bobcat Mounted GeoProbe	Type of Sampler: 4 foot Macro Sampler with 1.5" diameter acetate liner
Date: 6-17-02 To: 6-17-02 Logged By: Christy Barry	Reviewed by: Don Schilling

Depth (feet)	Description	Graphic Log	Sample Type	Sample Number	Blow Counts per 6"	N Value*	Sample Recovery	Penetrometer (TSF)	PID Reading (PPM)	Remarks
	ASPHALT									
1	FILL, clay, gravel, sand, dark brown, moist, trace coal, trace brick									
2			4' Macro	1			3.0/4.0		0.0	Sampled 2-3'
3										
4										
5										
6	0.5' woodchips and wood fragments		4' Macro	2			2.5/4.0		3.2	
7	FILL, coarse sand, tan, moist									Sampled 6-8'
8										
9										
10	FILL, clay, some gravel, dark brown, black staining, moist, soft, trace wood, trace coal, petroleum-like odor		4' Macro	3			3.5/4.0		0.9	
11										
12										
13										
14			4' Macro	4			3.5/4.0		0.7	
15										
16			4' Macro	5			4.0/4.0		1.2	

Depth to water while drilling

Depth to water after drilling

Drilling Log, continued

Boring Number	SP05
Project Name	Peoples Gas - A Portion of Willow
Page	2 of 2
Project Number	28020
Date	6-17-02

Depth (feet)	Description	Graphic Log	SAMPLING: Sample Type	Sample Number	Blow Counts per 6"	N Value*	Sample Recovery	Penetro-meter (TSF)	PID Reading (PPM)	Remarks
18 19	FILL, clay, some gravel, dark brown, black staining, moist, soft, trace wood, trace coal, petroleum-like odor		4' Macro	5			4.0/4.0		1.2	
20	EOB @ 20'									
21										
22										
23										
24										
25										
26										
27										
28										
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31										
32										
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36										
37										

Drilling Log

Project Name	Project No.	Boring Number
Peoples Gas - A Portion of Willow	28020	SP05A
Ground Elevation	Coordinates	Page 1 of 2
Surface Conditions: Asphalt		Total Depth: 25

Drilling Type	Hole Size (I.D.)	Overburden Feet	Bedrock Feet	No. Of Samples	No. Core Boxes	Depth to Water	Date Measured
GP	2"	25	0	5			

Drilling Company	Rock and Soil Drilling Corporation	Driller (s)	Lance McGill
Drilling Rig	Bobcat Mounted GeoProbe	Type of Sampler	4 foot Macro Sampler with 1.5" diameter acetate liner
Date 6-20-02	To 6-20-02	Logged By	Christy Barry
Reviewed by:	Don Schilling		

Depth (feet)	Description	Graphic Log	Sample Type	Sample Number	Blow Counts per 6"	N Value*	Sample Recovery	Penetrometer (TSF)	PID Reading (PPM)	Remarks
	ASPHALT									
1–5	FILL, clay, gravel, some sand, brown, moist, trace coal, trace brick		5' Macro	1			4.0/5.0		0.0	
5–9	some black staining, gray, some wood fragments		5' Macro	2			1.5/5.0		0.3	
9–13	FILL, sand, some gravel, some clay, gray, saturated, very small oily globules on surface of water		5' Macro	3			5.0/5.0	1.5	0.0	
13–16	CLAY (CL), moderate brown with gray mottling, moist, very stiff, trace fine gravel, trace fine sand, some black staining 13.5' - 14'		5' Macro	4			5.0/5.0	2.75	0.0	

Depth to water while drilling

Depth to water after drilling

Drilling Log, continued

Boring Number	SP05A
Project Name	Peoples Gas - A Portion of Willow
Page	2 of 2
Project Number	28020
Date	6-20-02

Depth (feet)	Description	Graphic Log	SAMPLING: Sample Type	Sample Number	Blow Counts per 6"	N Value*	Sample Recovery	Penetro-meter (TSF)	PID Reading (PPM)	Remarks
18	CLAY (CL), moderate brown with gray mottling, moist, very stiff, trace fine gravel, trace fine sand, some black staining 13.5' - 14' grades to brown, some medium subangular gravel		5' Macro	4			5.0/5.0	2.75	0.0	
19										
20	grades to trace fine gravel, stiff									
21										
22			5' Macro	5			5.0/5.0	1.25	0.0	
23										
24										
25	EOB at 25'									
26										
27										
28										
29										
30										
31										
32										
33										
34										
35										
36										
37										

Drilling Log

Project Name	Project No.	Boring Number
Peoples Gas - A Portion of Willow	28020	SP06A
Ground Elevation	Coordinates	Page 1 of 1
Surface Conditions: Asphalt		Total Depth: 4

Drilling Type	Hole Size (I.D.)	Overburden Feet	Bedrock Feet	No. Of Samples	No. Core Boxes	Depth to Water	Date Measured
GP	2"	4	0	1			

Drilling Company	Rock and Soil Drilling Corporation	Driller (s)	Lance McGill
Drilling Rig	Bobcat Mounted GeoProbe	Type of Sampler	4 foot Macro Sampler with 1.5" diameter acetate liner
Date 6-17-02	To 6-17-02	Logged By: Christy Barry	Reviewed by: Don Schilling

Depth (feet)	Description	Graphic Log	Sample Type	Sample Number	Blow Counts per 6"	N Value*	Sample Recovery	Penetrometer (TSF)	PID Reading (PPM)	Remarks
1	FILL, top 2" broken asphalt due to adjacent test pit, gravel, coarse sand, moderate brown, moist									
2	becomes all cinders, black, moist		4' Macro	1			2.0/4.0		0.0	
3										
4	EOB @ 4' - Refusal									
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										

Depth to water while drilling

Depth to water after drilling

Drilling Log

Project Name	Project No.	Boring Number
Peoples Gas - A Portion of Willow	28020	SP06B
Ground Elevation	Coordinates	Page 1 of 1
Surface Conditions: Asphalt		Total Depth: 16

Drilling Type	Hole Size (I.D.)	Overburden Feet	Bedrock Feet	No. Of Samples	No. Core Boxes	Depth to Water	Date Measured
GP	2"	16	0	4			

Drilling Company	Rock and Soil Drilling Corporation	Driller (s)	Lance McGill
Drilling Rig	Bobcat Mounted GeoProbe	Type of Sampler	4 foot Macro Sampler with 1.5" diameter acetate liner
Date 6-17-02	To 6-17-02	Logged By Christy Barry	Reviewed by: Don Schilling

Depth (feet)	Description	Graphic Log	Sample Type	Sample Number	Blow Counts per 6"	N Value*	Sample Recovery	Penetrometer (TSF)	PID Reading (PPM)	Remarks
1–4	FILL, top 2" contained broken asphalt due to adjacent test pit, clay, gravel, moist, dark brown with light gray mottling, trace coal		4' Macro	1			2.0/4.0		0.0	Sampled 1-3'
4–8	No recovery		4' Macro	2			0/4.0		NA	
8–12	CLAY (CL), brown, moist, trace fine to coarse gravel, trace fine sand		4' Macro	3			2.0/4.0		0.4	Sampled 9-11'
12–16			4' Macro	4			4.0/4.0		0.0	
16	EOB @ 16'									

Depth to water while drilling

Depth to water after drilling

Drilling Log

Project Name	Project No.	Boring Number
Peoples Gas - A Portion of Willow	28020	SP07
Ground Elevation	Coordinates	Page 1 of 1
Surface Conditions: Asphalt		Total Depth: 12

Drilling Type	Hole Size (I.D.)	Overburden Feet	Bedrock Feet	No. Of Samples	No. Core Boxes	Depth to Water	Date Measured
GP	2"	12	0	3			

Drilling Company	Rock and Soil Drilling Corporation	Driller (s)	Lance McGill
Drilling Rig	Bobcat Mounted GeoProbe	Type of Sampler	4 foot Macro Sampler with 1.5" diameter acetate liner
Date 6-17-02	To 6-17-02	Logged By: Christy Barry	Reviewed by: Don Schilling

Depth (feet)	Description	Graphic Log	Sample Type	Sample Number	Blow Counts per 6"	N Value*	Sample Recovery	Penetrometer (TSF)	PID Reading (PPM)	Remarks
	ASPHALT									
1, 2, 3	FILL, clay, gravel, brown to stained black, moist, trace brick, trace coal, trace cinders, some tar odor		4' Macro	1			4.0/4.0		0.0	Sampled 2-3'
4, 5	FILL, coarse sand, tan, some black staining									
6, 7, 8	CLAY (CL), black stained, moist, hard, medium plasticity, trace fine gravel, trace fine sand, slight petroleum-like odor at 7' grades to moderate brown with gray mottling		4' Macro	2			3.5/4.0	4.5	0.0	Sampled 7-8'
9, 10, 11			4' Macro	3			4.0/4.0	4.5	0.0	Sampled 9-11'
12	EOB @ 12'									
13, 14, 15, 16										

SAMPLING

Depth to water while drilling

Depth to water after drilling

Drilling Log

Project Name	Project No.	Boring Number
Peoples Gas - A Portion of Willow	28020	SP08
Ground Elevation	Coordinates	Page 1 of 1
Surface Conditions: Asphalt		Total Depth: 12

Drilling Type	Hole Size (I.D.)	Overburden Feet	Bedrock Feet	No. Of Samples	No. Core Boxes	Depth to Water	Date Measured
GP	2"	12	0	3			

Drilling Company	Rock and Soil Drilling Corporation	Driller (s)	Lance McGill
Drilling Rig	Bobcat Mounted GeoProbe	Type of Sampler	4 foot Macro Sampler with 1.5" diameter acetate liner
Date 6-17-02	To 6-17-02	Logged By Christy Barry	Reviewed by: Don Schilling

Depth (feet)	Description	Graphic Log	Sample Type	Sample Number	Blow Counts per 6"	N Value*	Sample Recovery	Penetrometer (TSF)	PID Reading (PPM)	Remarks
	ASPHALT									
1–7	FILL, clay, gravel, dark brown, moist, trace woodchips, trace coal, trace brick, trace cinders, slight tar odor		4' Macro	1			3.0/4.0		NA	Sampled 2-3'
7–12	CLAY (CL), moderate brown with gray mottling, hard, medium plasticity, trace fine gravel, trace fine sand		4' Macro	2			3.5/4.0	3.75	NA	Sampled 6-7'
			4' Macro	3			4.0/4.0	4.5	NA	NA - Not Available. PID battery dead.
12	EOB @ 12'									

Depth to water while drilling

Depth to water after drilling

Drilling Log

Project Name	Project No.	Boring Number
Peoples Gas - A Portion of Willow	28020	SP09
Ground Elevation	Coordinates	Page 1 of 1
Surface Conditions: Asphalt		Total Depth: 12

Drilling Type	Hole Size (I.D.)	Overburden Feet	Bedrock Feet	No. Of Samples	No. Core Boxes	Depth to Water	Date Measured
GP	2"	12	0	3			

Drilling Company	Rock and Soil Drilling Corporation	Driller (s)	Lance McGill
Drilling Rig	Bobcat Mounted GeoProbe	Type of Sampler	4 foot Macro Sampler with 1.5" diameter acetate liner
Date 6-18-02 To 6-18-02	Logged By Christy Barry	Reviewed by:	Don Schilling

Depth (feet)	Description	Graphic Log	Sample Type	Sample Number	Blow Counts per 6"	N Value*	Sample Recovery	Penetrometer (TSF)	PID Reading (PPM)	Remarks
1–7	ASPHALT FILL, gravel, clay, sand, some coal fragments, dark brown, moist, trace brick stained black 5-6'		4' Macro	1			4.0/4.0		0.2	Sampled 2-3'
5–7			4' Macro	2			4.0/4.0	4.5	0.0	Sampled 6-7'
7–12	CLAY (CL), moderate brown with gray mottling, moist, hard, medium plasticity, trace fine gravel, trace fine sand		4' Macro	3			3.5/4.0	4.0	0.0	
12	EOB @ 12'									

Depth to water while drilling

Depth to water after drilling

ENVIRONMENTAL LOG WILLOW2.GPJ BURNS_MO.GDT 9/6/02

Drilling Log

Project Name	Project No.	Boring Number
Peoples Gas - A Portion of Willow	28020	SP10
Ground Elevation	Coordinates	Page 1 of 1
Surface Conditions: Gravel		Total Depth: 12

Drilling Type	Hole Size (I.D.)	Overburden Feet	Bedrock Feet	No. Of Samples	No. Core Boxes	Depth to Water	Date Measured
GP	2"	12	0	3			

Drilling Company	Rock and Soil Drilling Corporation	Driller (s)	Lance McGill
Drilling Rig	Bobcat Mounted GeoProbe	Type of Sampler	4 foot Macro Sampler with 1.5" diameter acetate liner
Date 6-18-02	To 6-18-02	Logged By Christy Barry	Reviewed by: Don Schilling

Depth (feet)	Description	Graphic Log	Sample Type	Sample Number	Blow Counts per 6"	N Value*	Sample Recovery	Penetrometer (TSF)	PID Reading (PPM)	Remarks
1–3	FILL, clay, gravel, trace sand, trace coal fragments, dark brown, moist 0.5' limestone fragments		4' Macro	1			3.5/4.0		1.0	Sampled 1-2'
3–7	at 3.5-4', becomes sandy fill with some gravel, dark brown, moist, trace slag, slight odor at 6.5-7', black staining		4' Macro	2			3.0/4.0	3.5	1.9	
7–12	CLAY (CL), some fine gravel, moderate brown with gray mottling, moist, hard		4' Macro	3			3.5/4.0	4.25	0.0	Sampled 7-8'
12	EOB @ 12'									

Depth to water while drilling

Depth to water after drilling

Drilling Log

Project Name	Project No.	Boring Number
Peoples Gas - A Portion of Willow	28020	SP11
Ground Elevation	Coordinates	Page 1 of 1
Surface Conditions: Asphalt		Total Depth: 16

Drilling Type	Hole Size (I.D.)	Overburden Feet	Bedrock Feet	No. Of Samples	No. Core Boxes	Depth to Water	Date Measured
GP	2"	16	0	4			

Drilling Company	Rock and Soil Drilling Corporation	Driller (s)	Lance McGill
Drilling Rig	Bobcat Mounted GeoProbe	Type of Sampler	4 foot Macro Sampler with 1.5" diameter acetate liner
Date 6-18-02	To 6-18-02	Logged By Christy Barry	Reviewed by: Don Schilling

Depth (feet)	Description	Graphic Log	Sample Type	Sample Number	Blow Counts per 6"	N Value*	Sample Recovery	Penetrometer (TSF)	PID Reading (PPM)	Remarks
	ASPHALT									
1–4	FILL, gravel, clay, cinders, some sand, some coal, dark brown, dry-moist		4' Macro	1			3.5/4.0		0.0	Sampled 2-3'
5–7	FILL, silt with some sand		4' Macro	2			4.0/4.0	4.5	0.0	
7–12	CLAY (CL), moderate brown with gray mottling, moist, hard, trace fine gravel, trace fine sand		4' Macro	3			3.5/4.0	NA	0.0	Sampled 9-10'
13–16	grades to gray, very stiff		4' Macro	4			3.5/4.0	2.0	1.5	Sampled 15-16'
16	EOB @ 16'									

Depth to water while drilling

Depth to water after drilling

Drilling Log

Project Name	Project No.	Boring Number
Peoples Gas - A Portion of Willow	28020	SP12
Ground Elevation	Coordinates	Page 1 of 1
Surface Conditions: Asphalt		Total Depth: 16

Drilling Type	Hole Size (I.D.)	Overburden Feet	Bedrock Feet	No. Of Samples	No. Core Boxes	Depth to Water	Date Measured
GP	2"	16	0	4			

Drilling Company	Rock and Soil Drilling Corporation	Driller (s)	Lance McGill
Drilling Rig	Bobcat Mounted GeoProbe	Type of Sampler	4 foot Macro Sampler with 1.5" diameter acetate liner
Date 6-18-02	To 6-18-02	Logged By Christy Barry	Reviewed by: Don Schilling

Depth (feet)	Description	Graphic Log	Sample Type	Sample Number	Blow Counts per 6"	N Value*	Sample Recovery	Penetrometer (TSF)	PID Reading (PPM)	Remarks
	ASPHALT									
1 2 3 4	FILL, clay, gravel, some coal, brown, moist, trace sand		4' Macro	1			3.5/4.0		0.0	Sampled 1-3'
5 6 7	with cinders and black staining		4' Macro	2			3.5/4.0		1.0	
8 9 10	with wood, brownish black, wet, slight tar odor		4' Macro	3			3.0/4.0		0.0	
11 12 13 14 15	CLAY (CL), moderate brown with gray mottling, moist, very stiff, trace fine gravel, trace fine sand		4' Macro	4			3.0/4.0	2.75	1.4	
16	EOB @ 16'									

Depth to water while drilling

Depth to water after drilling

ATTACHMENT C
SAMPLING DATA VALIDATION MEMORANDUM AND ANALYTICAL DATA
A PORTION OF WILLOW STREET STATION

BURNS & McDONNELL

Client:	Peoples Gas	Prepared By: Julie Kerstiens
Site:	A Portion of Willow Street Station	Date: July 25, 2002
Project #:	28020	Checked By: Christy Barry
File No.:	I.7	Date: July 26, 2002
Title:	Data Validation of Soil Samples Collected from June 17 to June 20, 2002	

PURPOSE

The purpose of this document is to present the evaluation and validation of soil sampling analytical results.

VALIDATION CRITERIA

The evaluation and validation consisted of the following:

- Checked analytical holding times.
- Checked surrogate recoveries.
- Reviewed laboratory blank analyses.
- Reviewed laboratory control samples (LCS).
- Evaluated field matrix spike/matrix spike duplicate (MS/MSD) analyses.
- Reviewed laboratory annotations.

SAMPLING EFFORT

Soil samples were collected at a portion of the Peoples Gas Willow Street Station in Chicago, Illinois from June 17 to June 20, 2002. Twenty-one soil samples were taken at 11 probe locations during site investigation activities. The original scope of work identified the site as Hawthorne Avenue Station and subsequently was renamed as a portion of Willow Street Station; thus original sample numbers were labeled as "HAS."

LABORATORY

Samples were analyzed and validated by STAT Analysis Corporation of Chicago, Illinois in accordance with United States Environmental Protection Agency (USEPA) Method SW-846 analytical data reduction and validation guidelines.

CONCLUSIONS

Laboratory data have been reviewed and are acceptable for use with qualification. STAT Analysis Corporation performed laboratory validation and determined that all analytical results were usable.

Based on the provided information, Burns & McDonnell performed further evaluation and validation, determining that the overall quality of the analytical results was good; however, due to minor analytical quality control problems with MS/MSD recoveries, some resultant values were flagged estimated "J" or "UJ".

REFERENCES

The following reference documents were used:

(1) Environmental Resource Associates, 2001. Laboratory Certification Analytical Sample Report for STAT Analysis Corporation, Chicago, Illinois.

(2) United States Environmental Protection Agency (USEPA), 1994. *Contract Laboratory Program National Functional Guidelines for Organic Data Review*, February.

(3) USEPA, 1994. *Contract Laboratory Program National Functional Guidelines for Inorganic Data Review*, February.

(4) USEPA, 1986. *Test Methods for Evaluating Solid Wastes, Physical/Chemical Methods*, EPA Publication No. SW-846, [Third Edition (September 1986), as amended by Updates I (July 1992), II (September 1994), IIA (August 1993), IIB (January 1995), III (December 1996), IIIIA (April 1998), Draft IVA (January 1998), and Draft IVB (November 2000)].

SAMPLE INFORMATION

Table 1 presents sample numbers and analyses requested. Table 2 lists the methods used to analyze the soil samples.

HOLDING TIME EVALUATION

Table 3 presents the analytical holding times that were used to evaluate and validate the extractions and analyses performed. All sample extractions and analyses were performed within the holding time criteria; therefore, no qualification was necessary.

SURROGATE RECOVERY EVALUATION

Two surrogates were below the acceptable limits for HAS-SP12-002. Only one surrogate for the base neutral compounds and one surrogate for the phenolic compounds were outside of the acceptable range. Guidelines suggest that two or more surrogates from each group need to be outside of the acceptable range for qualification. Therefore, no qualification was required. Surrogate recoveries for all other samples were within the acceptable laboratory limits; therefore no qualification was necessary.

LABORATORY BLANK ANALYSIS EVALUATION

Laboratory blanks were prepared and run for this sampling event. Lead was detected in the laboratory blank associated with samples HAS-SP07-003 through HAS-SP09-001. All samples contained concentrations at least five times greater than the detected laboratory blank concentration, so no qualification was required for these samples. All other laboratory blanks were non-detect or detected at levels below the procedure quantitation limit (PQL); therefore, no qualification was necessary.

LABORATORY CONTROL SAMPLES EVALUATION

Laboratory control samples (LCS) were prepared and run for this sampling event. The 2,4-dinitrotoluene recovery was above acceptable laboratory limits for HAS-SP01-001 through HAS-SP05-002, but all samples were non-detect for this compound. Therefore no qualification was required. All other required laboratory control samples were within acceptable limits for the samples analyzed, so no qualification was necessary.

FIELD MATRIX SPIKE/MATRIX SPIKE DUPLICATE EVALUATION

Two field matrix spike/matrix spike duplicate (MS/MSD) samples were prepared and run for this sampling event: one MS/MSD was associated with the surface samples while the second MS/MSD was associated with subsurface samples. MS/MSD sample results have been conservatively used to qualify data. Any result for the MS/MSD samples requiring qualification has been applied to all soil samples in the corresponding primary samples.

In the MS/MSDs, some volatile organic compounds (VOCs) were outside the recovery limits. Because LCS recovery, surrogate recovery and laboratory blanks were generally within acceptable quantitation limits, no qualifications were necessary based on MS/MSD results.

MS/MSD results for metal analytes were used as follows to qualify data:

- For surface samples, MS/MSD percentage recoveries were below the lower acceptance limit for copper and nickel; therefore resultant detected values for these samples were qualified estimated "J" and non-detect values estimated non-detect "UJ".
- For surface samples, MS/MSD percentage recoveries were above the upper acceptance limit for lead; therefore resultant detected values for lead for these samples were qualified estimated "J". Non-detect values were not qualified.
- For subsurface samples, MS/MSD percentage recoveries were below the lower acceptance limit for zinc and copper; therefore resultant detected values for these samples were qualified estimated "J" and non-detect values estimated non-detect "UJ".
- The MS/MSD percentage recoveries for antimony for surface and subsurface samples were less than the lower quantification limit and less than 30%. USEPA method limitations exist for antimony (Environmental Resource Associates 2001). Since the MS/MSD sample recovery was greater than the detection limit and the LCS recoveries were acceptable for all surface and subsurface soil samples, the non-detect antimony results were qualified estimated non-detect "UJ." Detected antimony results were qualified estimated "J."

Cyanide MS/MSD results were all within the acceptable quantification limits; therefore no qualification was necessary.

LABORATORY ANNOTATION REVIEW

A review of the STAT Analysis Corporation laboratory annotation indicates that the overall quality of the analytical results is acceptable.

Table 1 List of Sample Numbers and Analyses	
Sample Number	**Analyses**
HAS-SP01-001	Target Compound List (TCL) volatile organic compounds (VOCs), TCL semivolatile organic compounds (SVOCs), polynuclear aromatic compounds (PAHs), polychlorinated biphenyls (PCBs), Priority Pollutant metals and total cyanide.
HAS-SP02-001	TCL VOCs, TCL SVOCs, PAHs, PCBs, Priority Pollutant metals and total cyanide.
HAS-SP03-001	TCL VOCs, TCL SVOCs, PAHs, PCBs, Priority Pollutant metals and total cyanide.
HAS-SP05-001	TCL VOCs, TCL SVOCs, PAHs, PCBs, Priority Pollutant metals and total cyanide.
HAS-SP05-002	TCL VOCs, TCL SVOCs, PAHs, PCBs, Priority Pollutant metals and total cyanide.
HAS-SP06-001	TCL VOCs, TCL SVOCs, PAHs, PCBs, Priority Pollutant metals and total cyanide.
HAS-SP06-002	TCL VOCs, TCL SVOCs, PAHs, PCBs, Priority Pollutant metals and total cyanide.
HAS-SP07-001	TCL VOCs, TCL SVOCs, PAHs, PCBs, Priority Pollutant metals and total cyanide.
HAS-SP07-002	TCL VOCs, TCL SVOCs, PAHs, PCBs, Priority Pollutant metals and total cyanide.
HAS-SP07-003	TCL VOCs, TCL SVOCs, PAHs, PCBs, Priority Pollutant metals and total cyanide.
HAS-SP08-001	TCL VOCs, TCL SVOCs, PAHs, PCBs, Priority Pollutant metals and total cyanide.
HAS-SP08-002	TCL VOCs, TCL SVOCs, PAHs, PCBs, Priority Pollutant metals and total cyanide.
HAS-SP09-001	TCL VOCs, TCL SVOCs, PAHs, PCBs, Priority Pollutant metals and total cyanide.

Table 1 List of Sample Numbers and Analyses	
Sample Number	**Analyses**
HAS-SP09-002	TCL VOCs, TCL SVOCs, PAHs, PCBs, Priority Pollutant metals and total cyanide.
HAS-SP10-001	TCL VOCs, TCL SVOCs, PAHs, PCBs, Priority Pollutant metals, total cyanide, TCLP lead and SPLP lead.
HAS-SP10-002	TCL VOCs, TCL SVOCs, PAHs, PCBs, Priority Pollutant metals and total cyanide.
HAS-SP11-001	TCL VOCs, TCL SVOCs, PAHs, PCBs, Priority Pollutant metals and total cyanide.
HAS-SP11-002	TCL VOCs, TCL SVOCs, PAHs, PCBs, Priority Pollutant metals and total cyanide.
HAS-SP11-003	TCL VOCs, TCL SVOCs, PAHs, PCBs, Priority Pollutant metals and total cyanide.
HAS-SP12-001	TCL VOCs, TCL SVOCs, PAHs, PCBs, Priority Pollutant metals and total cyanide.
HAS-SP12-002	TCL VOCs, TCL SVOCs, PAHs, PCBs, Priority Pollutant metals and total cyanide.

Table 2 Analytical Methods	
Parameter	**Analytical Method[2]**
TCL SVOCs	8270C
PAHs	8270(SIM)
Priority Pollutant metals, TCLP Lead, SPLP Lead	6020
Mercury	7471A
Total cyanide	9012A
TCL VOCs[1]	8260B
PCBs	8082

Notes:

(1) Sampled using Method 5035.

(2) U.S. EPA 1986

Table 3 Analytical Holding Times	
Analyses	**Holding Time From Sample Collection[1]**
TCL SVOCs, PAHs, PCBs	14 days pre-extraction, 40 days post extraction
TCLP Lead, SPLP Lead	180 days pre-extraction, 180 days post-extraction
Priority Pollutant metals	6 months
Mercury	28 days
Total cyanide	14 days

Note: (1) U.S. EPA 1986.

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2201 West Campbell Park Drive Chicago, IL 60612-3547 312.733.0551 Fax:312.733.2386
e-mail address: STATinfo@STATAnalysis.com AIHA accredited 10248, NVLAP accredited 101202-0

July 01, 2002

Margaret Kelley
Burns & McDonnell
2601 W. 22nd Street
OakBrook, IL 60523-1229
Telephone: (630) 990-0300
Fax: (630) 990-0301

RE: 29168, Hawthorne Parcel 1 STAT Project No: 0206122

Dear Margaret Kelley:

STAT Analysis received 9 samples for the referenced project on 6/17/2002. The analytical results are presented in the following report.

All analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except where noted in the Case Narrative.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,

Craig Chawla
Project Manager

STAT Analysis Corporation

Date: July 01, 2002

Client: Burns & McDonnell
Project: 29168, Hawthorne Parcel 1
Lab Order: 0206122

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
0206122-001A	HAS SP01 001	14'-16'	6/17/2002 11:30:00 AM	6/17/2002
0206122-001B	HAS SP01 001	14'-16'	6/17/2002 11:30:00 AM	6/17/2002
0206122-002A	HAS SP02 001	7'-8'	6/17/2002 12:15:00 PM	6/17/2002
0206122-002B	HAS SP02 001	7'-8'	6/17/2002 12:15:00 PM	6/17/2002
0206122-003A	HAS SP03 001	10'-11'	6/17/2002 1:30:00 PM	6/17/2002
0206122-003B	HAS SP03 001	10'-11'	6/17/2002 1:30:00 PM	6/17/2002
0206122-004A	HAS SP05 001	2'-3'	6/17/2002 2:45:00 PM	6/17/2002
0206122-004B	HAS SP05 001	2'-3'	6/17/2002 2:45:00 PM	6/17/2002
0206122-005A	HAS SP05 002	6'-8'	6/17/2002 3:00:00 PM	6/17/2002
0206122-005B	HAS SP05 002	6'-8'	6/17/2002 3:00:00 PM	6/17/2002
0206122-006A	HAS ~~SP06 001~~ SP06B 001 JAK	1'-3' 7/31/02	6/17/2002 4:00:00 PM	6/17/2002
0206122-006B	HAS ~~SP06 001~~ SP06B 001 JAK	1'-3' 7/31/02	6/17/2002 4:00:00 PM	6/17/2002
0206122-007A	HAS ~~SP06 002~~ SP06B 002 JAK	9'-11' 7/31/02	6/17/2002 4:15:00 PM	6/17/2002
0206122-007B	HAS ~~SP06 002~~ SP06B 002 JAK	9'-11' 7/31/02	6/17/2002 4:15:00 PM	6/17/2002
0206122-008A	HAS SP07 001	2'-3'	6/17/2002 4:35:00 PM	6/17/2002
0206122-008B	HAS SP07 001	2'-3'	6/17/2002 4:35:00 PM	6/17/2002
0206122-009A	HAS SP07 002	7'-8'	6/17/2002 5:00:00 PM	6/17/2002
0206122-009B	HAS SP07 002	7'-8'	6/17/2002 5:00:00 PM	6/17/2002

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Date Reported: July 01, 2002
Date Printed: July 01, 2002

Client: Burns & McDonnell
Lab Order: 0206122
Project: 29168, Hawthorne Parcel 1
Lab ID: 0206122-001

Client Sample ID: HAS SP01 001
Collection Date: 6/17/2002 11:30:00 AM
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCBs	**SW8082**			Prep Date: **6/27/2002**		Analyst: **JF**
Aroclor 1016	ND	0.1		mg/Kg-dry	1	6/28/2002
Aroclor 1221	ND	0.1		mg/Kg-dry	1	6/28/2002
Aroclor 1232	ND	0.1		mg/Kg-dry	1	6/28/2002
Aroclor 1242	ND	0.1		mg/Kg-dry	1	6/28/2002
Aroclor 1248	ND	0.1		mg/Kg-dry	1	6/28/2002
Aroclor 1254	ND	0.21		mg/Kg-dry	1	6/28/2002
Aroclor 1260	ND	0.21		mg/Kg-dry	1	6/28/2002
Mercury	**SW7471A**			Prep Date: **6/22/2002**		Analyst: **DRJ**
Mercury	0.39	0.031		mg/Kg-dry	1	6/22/2002
Metals by ICP/MS	**SW6020**			Prep Date: **6/23/2002**		Analyst: **MCL**
Antimony	1.4	1.3	J	mg/Kg-dry	10	6/25/2002
Arsenic	21	0.63		mg/Kg-dry	10	6/25/2002
Beryllium	0.83	0.63		mg/Kg-dry	10	6/25/2002
Cadmium	0.76	0.63		mg/Kg-dry	10	6/25/2002
Chromium	18	1.3		mg/Kg-dry	10	6/25/2002
Copper	48	1.3	J	mg/Kg-dry	10	6/25/2002
Lead	120	0.63		mg/Kg-dry	10	6/25/2002
Nickel	34	1.3		mg/Kg-dry	10	6/25/2002
Selenium	ND	1.3		mg/Kg-dry	10	6/25/2002
Silver	ND	1.3		mg/Kg-dry	10	6/25/2002
Thallium	1.3	1.3		mg/Kg-dry	10	6/25/2002
Zinc	130	6.3	J	mg/Kg-dry	10	6/25/2002
Polynuclear Aromatic Hydrocarbons	**SW8270(SIM)**			Prep Date: **6/27/2002**		Analyst: **VS**
Acenaphthene	76	33		mg/Kg-dry	1000	6/28/2002
Acenaphthylene	24	3.3		mg/Kg-dry	100	6/28/2002
Anthracene	88	33		mg/Kg-dry	1000	6/28/2002
Benz(a)anthracene	51	33		mg/Kg-dry	1000	6/28/2002
Benzo(b)fluoranthene	42	3.3		mg/Kg-dry	100	6/28/2002
Benzo(k)fluoranthene	37	3.3		mg/Kg-dry	100	6/28/2002
Benzo(g,h,i)perylene	39	3.3		mg/Kg-dry	100	6/28/2002
Benzo(a)pyrene	67	33		mg/Kg-dry	1000	6/28/2002
Chrysene	51	33		mg/Kg-dry	1000	6/28/2002
Dibenz(a,h)anthracene	6.6	3.3		mg/Kg-dry	100	6/28/2002
Fluoranthene	180	33		mg/Kg-dry	1000	6/28/2002
Fluorene	65	33		mg/Kg-dry	1000	6/28/2002
Indeno(1,2,3-cd)pyrene	30	3.3		mg/Kg-dry	100	6/28/2002
Naphthalene	400	33		mg/Kg-dry	1000	6/28/2002

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

J = estimated value; poor MS/MSD recovery. JAK

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Date Reported: July 01, 2002

Date Printed: July 01, 2002

Client: Burns & McDonnell
Lab Order: 0206122
Project: 29168, Hawthorne Parcel 1
Lab ID: 0206122-001

Client Sample ID: HAS SP01 001
Collection Date: 6/17/2002 11:30:00 AM
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Polynuclear Aromatic Hydrocarbons		**SW8270(SIM)**		Prep Date: **6/27/2002**		Analyst: **VS**
Phenanthrene	300	33		mg/Kg-dry	1000	6/28/2002
Pyrene	230	33		mg/Kg-dry	1000	6/28/2002
Semivolatile Organic Compounds by GC/MS		**SW8270C**		Prep Date: **6/27/2002**		Analyst: **JF**
Bis(2-chloroethoxy)methane	ND	0.43		mg/Kg-dry	1	6/29/2002
Bis(2-chloroethyl)ether	ND	0.43		mg/Kg-dry	1	6/29/2002
Bis(2-ethylhexyl)phthalate	ND	0.43		mg/Kg-dry	1	6/29/2002
4-Bromophenyl phenyl ether	ND	0.43		mg/Kg-dry	1	6/29/2002
Butyl benzyl phthalate	ND	0.43		mg/Kg-dry	1	6/29/2002
Carbazole	3.5	0.43		mg/Kg-dry	1	6/29/2002
4-Chloro-3-methylphenol	ND	0.43		mg/Kg-dry	1	6/29/2002
4-Chloroaniline	ND	0.43		mg/Kg-dry	1	6/29/2002
2-Chloronaphthalene	ND	0.43		mg/Kg-dry	1	6/29/2002
2-Chlorophenol	ND	0.43		mg/Kg-dry	1	6/29/2002
4-Chlorophenyl phenyl ether	ND	0.43		mg/Kg-dry	1	6/29/2002
Dibenzofuran	2.7	0.43		mg/Kg-dry	1	6/29/2002
1,2-Dichlorobenzene	ND	0.43		mg/Kg-dry	1	6/29/2002
1,3-Dichlorobenzene	ND	0.43		mg/Kg-dry	1	6/29/2002
1,4-Dichlorobenzene	ND	0.43		mg/Kg-dry	1	6/29/2002
3,3'-Dichlorobenzidine	ND	0.86		mg/Kg-dry	1	6/29/2002
2,4-Dichlorophenol	ND	0.43		mg/Kg-dry	1	6/29/2002
Diethyl phthalate	ND	0.43		mg/Kg-dry	1	6/29/2002
Dimethyl phthalate	ND	0.43		mg/Kg-dry	1	6/29/2002
Di-n-butyl phthalate	ND	0.43		mg/Kg-dry	1	6/29/2002
2,4-Dimethylphenol	ND	0.43		mg/Kg-dry	1	6/29/2002
4,6-Dinitro-2-methylphenol	ND	2.1		mg/Kg-dry	1	6/29/2002
2,4-Dinitrophenol	ND	2.1		mg/Kg-dry	1	6/29/2002
2,4-Dinitrotoluene	ND	0.33		mg/Kg-dry	1	6/29/2002
2,6-Dinitrotoluene	ND	0.33		mg/Kg-dry	1	6/29/2002
Di-n-octyl phthalate	ND	0.43		mg/Kg-dry	1	6/29/2002
Hexachlorobenzene	ND	0.43		mg/Kg-dry	1	6/29/2002
Hexachlorobutadiene	ND	0.43		mg/Kg-dry	1	6/29/2002
Hexachlorocyclopentadiene	ND	0.43		mg/Kg-dry	1	6/29/2002
Hexachloroethane	ND	0.43		mg/Kg-dry	1	6/29/2002
Isophorone	ND	0.43		mg/Kg-dry	1	6/29/2002
2-Methylnaphthalene	30	0.43		mg/Kg-dry	1	6/29/2002
2-Methylphenol	ND	0.43		mg/Kg-dry	1	6/29/2002
4-Methylphenol	ND	0.43		mg/Kg-dry	1	6/29/2002
2-Nitroaniline	ND	2.1		mg/Kg-dry	1	6/29/2002

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
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S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

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Client: Burns & McDonnell
Lab Order: 0206122
Project: 29168, Hawthorne Parcel 1
Lab ID: 0206122-001

Client Sample ID: HAS SP01 001
Collection Date: 6/17/2002 11:30:00 AM
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		**SW8270C**		Prep Date: **6/27/2002**		Analyst: **JF**
3-Nitroaniline	ND	2.1		mg/Kg-dry	1	6/29/2002
4-Nitroaniline	ND	2.1		mg/Kg-dry	1	6/29/2002
Nitrobenzene	ND	0.43		mg/Kg-dry	1	6/29/2002
2-Nitrophenol	ND	2.1		mg/Kg-dry	1	6/29/2002
4-Nitrophenol	ND	2.1		mg/Kg-dry	1	6/29/2002
N-Nitrosodi-n-propylamine	ND	0.43		mg/Kg-dry	1	6/29/2002
N-Nitrosodiphenylamine	ND	0.43		mg/Kg-dry	1	6/29/2002
2, 2'-oxybis(1-Chloropropane)	ND	0.43		mg/Kg-dry	1	6/29/2002
Pentachlorophenol	ND	2.1		mg/Kg-dry	1	6/29/2002
Phenol	ND	0.43		mg/Kg-dry	1	6/29/2002
1,2,4-Trichlorobenzene	ND	0.43		mg/Kg-dry	1	6/29/2002
2,4,5-Trichlorophenol	ND	0.86		mg/Kg-dry	1	6/29/2002
2,4,6-Trichlorophenol	ND	0.43		mg/Kg-dry	1	6/29/2002
Volatile Organic Compounds by GC/MS		**SW5035/8260B**		Prep Date: **6/18/2002**		Analyst: **PS**
Acetone	ND	0.08		mg/Kg-dry	1	6/25/2002
Benzene	1.5	0.4		mg/Kg-dry	50	6/25/2002
Bromodichloromethane	ND	0.016		mg/Kg-dry	1	6/25/2002
Bromoform	ND	0.016		mg/Kg-dry	1	6/25/2002
Bromomethane	ND	0.032		mg/Kg-dry	1	6/25/2002
2-Butanone	ND	0.032		mg/Kg-dry	1	6/25/2002
Carbon disulfide	ND	0.016		mg/Kg-dry	1	6/25/2002
Carbon tetrachloride	ND	0.016		mg/Kg-dry	1	6/25/2002
Chlorobenzene	ND	0.016		mg/Kg-dry	1	6/25/2002
Chloroethane	ND	0.032		mg/Kg-dry	1	6/25/2002
Chloroform	ND	0.016		mg/Kg-dry	1	6/25/2002
Chloromethane	ND	0.016		mg/Kg-dry	1	6/25/2002
Dibromochloromethane	ND	0.016		mg/Kg-dry	1	6/25/2002
1,1-Dichloroethane	ND	0.016		mg/Kg-dry	1	6/25/2002
1,2-Dichloroethane	ND	0.016		mg/Kg-dry	1	6/25/2002
1,1-Dichloroethene	ND	0.016		mg/Kg-dry	1	6/25/2002
cis-1,2-Dichloroethene	ND	0.016		mg/Kg-dry	1	6/25/2002
trans-1,2-Dichloroethene	ND	0.016		mg/Kg-dry	1	6/25/2002
1,2-Dichloropropane	ND	0.016		mg/Kg-dry	1	6/25/2002
cis-1,3-Dichloropropene	ND	0.016		mg/Kg-dry	1	6/25/2002
trans-1,3-Dichloropropene	ND	0.016		mg/Kg-dry	1	6/25/2002
Ethylbenzene	5.6	0.4		mg/Kg-dry	50	6/25/2002
2-Hexanone	ND	0.032		mg/Kg-dry	1	6/25/2002
4-Methyl-2-pentanone	ND	0.032		mg/Kg-dry	1	6/25/2002

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AIHA Environmental Lead and Industrial Hygiene ACCREDITED LABORATORY

Date Reported: July 01, 2002

Date Printed: July 01, 2002

Client: Burns & McDonnell
Lab Order: 0206122
Project: 29168, Hawthorne Parcel 1
Lab ID: 0206122-001

Client Sample ID: HAS SP01 001
Collection Date: 6/17/2002 11:30:00 AM
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		**SW5035/8260B**		Prep Date: **6/18/2002**		Analyst: **PS**
Methylene chloride	ND	0.032		mg/Kg-dry	1	6/25/2002
Styrene	0.041	0.016		mg/Kg-dry	1	6/25/2002
1,1,2,2-Tetrachloroethane	ND	0.016		mg/Kg-dry	1	6/25/2002
Tetrachloroethene	ND	0.016		mg/Kg-dry	1	6/25/2002
Toluene	0.056	0.016		mg/Kg-dry	1	6/25/2002
1,1,1-Trichloroethane	ND	0.016		mg/Kg-dry	1	6/25/2002
1,1,2-Trichloroethane	ND	0.016		mg/Kg-dry	1	6/25/2002
Trichloroethene	ND	0.016		mg/Kg-dry	1	6/25/2002
Vinyl chloride	ND	0.016		mg/Kg-dry	1	6/25/2002
m,p-Xylene	0.069	0.016		mg/Kg-dry	1	6/25/2002
o-Xylene	0.52	0.4		mg/Kg-dry	50	6/25/2002
Cyanide, Total		**SW9012A**		Prep Date: **6/20/2002**		Analyst: **YZ**
Cyanide	ND	0.33		mg/Kg-dry	1	6/24/2002
Percent Moisture		**D2216**		Prep Date: **6/24/2002**		Analyst: **PMS**
Percent Moisture	25.33	0.01		wt%	1	6/24/2002

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Date Reported: July 01, 2002
Date Printed: July 01, 2002

Client: Burns & McDonnell
Lab Order: 0206122
Project: 29168, Hawthorne Parcel 1
Lab ID: 0206122-002

Client Sample ID: HAS SP02 001
Collection Date: 6/17/2002 12:15:00 PM
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCBs		**SW8082**		Prep Date: **6/27/2002**		Analyst: **JF**
Aroclor 1016	ND	0.099		mg/Kg-dry	1	6/28/2002
Aroclor 1221	ND	0.099		mg/Kg-dry	1	6/28/2002
Aroclor 1232	ND	0.099		mg/Kg-dry	1	6/28/2002
Aroclor 1242	ND	0.099		mg/Kg-dry	1	6/28/2002
Aroclor 1248	ND	0.099		mg/Kg-dry	1	6/28/2002
Aroclor 1254	ND	0.2		mg/Kg-dry	1	6/28/2002
Aroclor 1260	ND	0.2		mg/Kg-dry	1	6/28/2002
Mercury		**SW7471A**		Prep Date: **6/22/2002**		Analyst: **DRJ**
Mercury	0.037	0.03		mg/Kg-dry	1	6/22/2002
Metals by ICP/MS		**SW6020**		Prep Date: **6/23/2002**		Analyst: **MCL**
Antimony	1.2	1.2	J	mg/Kg-dry	10	6/25/2002
Arsenic	20	0.6		mg/Kg-dry	10	6/25/2002
Beryllium	0.99	0.6		mg/Kg-dry	10	6/25/2002
Cadmium	ND	0.6		mg/Kg-dry	10	6/25/2002
Chromium	22	1.2		mg/Kg-dry	10	6/25/2002
Copper	33	1.2	J	mg/Kg-dry	10	6/25/2002
Lead	25	0.6		mg/Kg-dry	10	6/25/2002
Nickel	38	1.2		mg/Kg-dry	10	6/25/2002
Selenium	ND	1.2		mg/Kg-dry	10	6/25/2002
Silver	ND	1.2		mg/Kg-dry	10	6/25/2002
Thallium	1.4	1.2		mg/Kg-dry	10	6/25/2002
Zinc	61	6	J	mg/Kg-dry	10	6/25/2002
Polynuclear Aromatic Hydrocarbons		**SW8270(SIM)**		Prep Date: **6/27/2002**		Analyst: **VS**
Acenaphthene	3.7	0.3		mg/Kg-dry	10	6/27/2002
Acenaphthylene	0.47	0.3		mg/Kg-dry	10	6/27/2002
Anthracene	2.2	0.3		mg/Kg-dry	10	6/27/2002
Benz(a)anthracene	1	0.3		mg/Kg-dry	10	6/27/2002
Benzo(b)fluoranthene	0.71	0.3		mg/Kg-dry	10	6/27/2002
Benzo(k)fluoranthene	0.67	0.3		mg/Kg-dry	10	6/27/2002
Benzo(g,h,i)perylene	0.69	0.3		mg/Kg-dry	10	6/27/2002
Benzo(a)pyrene	1.2	0.3		mg/Kg-dry	10	6/27/2002
Chrysene	0.96	0.3		mg/Kg-dry	10	6/27/2002
Dibenz(a,h)anthracene	0.15	0.03		mg/Kg-dry	1	6/28/2002
Fluoranthene	2.7	0.3		mg/Kg-dry	10	6/27/2002
Fluorene	1.9	0.3		mg/Kg-dry	10	6/27/2002
Indeno(1,2,3-cd)pyrene	0.52	0.3		mg/Kg-dry	10	6/27/2002
Naphthalene	1.3	0.3		mg/Kg-dry	10	6/27/2002

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J= estimated value; poor MS/MSD recovery. JAK

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AIHA Environmental Lead and Industrial Hygiene ACCREDITED LABORATORY

Date Reported: July 01, 2002

Date Printed: July 01, 2002

Client: Burns & McDonnell
Lab Order: 0206122
Project: 29168, Hawthorne Parcel 1
Lab ID: 0206122-002

Client Sample ID: HAS SP02 001
Collection Date: 6/17/2002 12:15:00 PM
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Polynuclear Aromatic Hydrocarbons		**SW8270(SIM)**		Prep Date: **6/27/2002**		Analyst: **VS**
Phenanthrene	4.6	3		mg/Kg-dry	100	6/28/2002
Pyrene	3.5	3		mg/Kg-dry	100	6/28/2002
Semivolatile Organic Compounds by GC/MS		**SW8270C**		Prep Date: **6/27/2002**		Analyst: **JF**
Bis(2-chloroethoxy)methane	ND	0.39		mg/Kg-dry	1	6/29/2002
Bis(2-chloroethyl)ether	ND	0.39		mg/Kg-dry	1	6/29/2002
Bis(2-ethylhexyl)phthalate	ND	0.39		mg/Kg-dry	1	6/29/2002
4-Bromophenyl phenyl ether	ND	0.39		mg/Kg-dry	1	6/29/2002
Butyl benzyl phthalate	ND	0.39		mg/Kg-dry	1	6/29/2002
Carbazole	ND	0.39		mg/Kg-dry	1	6/29/2002
4-Chloro-3-methylphenol	ND	0.39		mg/Kg-dry	1	6/29/2002
4-Chloroaniline	ND	0.39		mg/Kg-dry	1	6/29/2002
2-Chloronaphthalene	ND	0.39		mg/Kg-dry	1	6/29/2002
2-Chlorophenol	ND	0.39		mg/Kg-dry	1	6/29/2002
4-Chlorophenyl phenyl ether	ND	0.39		mg/Kg-dry	1	6/29/2002
Dibenzofuran	ND	0.39		mg/Kg-dry	1	6/29/2002
1,2-Dichlorobenzene	ND	0.39		mg/Kg-dry	1	6/29/2002
1,3-Dichlorobenzene	ND	0.39		mg/Kg-dry	1	6/29/2002
1,4-Dichlorobenzene	ND	0.39		mg/Kg-dry	1	6/29/2002
3,3'-Dichlorobenzidine	ND	0.79		mg/Kg-dry	1	6/29/2002
2,4-Dichlorophenol	ND	0.39		mg/Kg-dry	1	6/29/2002
Diethyl phthalate	ND	0.39		mg/Kg-dry	1	6/29/2002
Dimethyl phthalate	ND	0.39		mg/Kg-dry	1	6/29/2002
Di-n-butyl phthalate	ND	0.39		mg/Kg-dry	1	6/29/2002
2,4-Dimethylphenol	ND	0.39		mg/Kg-dry	1	6/29/2002
4,6-Dinitro-2-methylphenol	ND	1.9		mg/Kg-dry	1	6/29/2002
2,4-Dinitrophenol	ND	1.9		mg/Kg-dry	1	6/29/2002
2,4-Dinitrotoluene	ND	0.3		mg/Kg-dry	1	6/29/2002
2,6-Dinitrotoluene	ND	0.3		mg/Kg-dry	1	6/29/2002
Di-n-octyl phthalate	ND	0.39		mg/Kg-dry	1	6/29/2002
Hexachlorobenzene	ND	0.39		mg/Kg-dry	1	6/29/2002
Hexachlorobutadiene	ND	0.39		mg/Kg-dry	1	6/29/2002
Hexachlorocyclopentadiene	ND	0.39		mg/Kg-dry	1	6/29/2002
Hexachloroethane	ND	0.39		mg/Kg-dry	1	6/29/2002
Isophorone	ND	0.39		mg/Kg-dry	1	6/29/2002
2-Methylnaphthalene	6.9	0.39		mg/Kg-dry	1	6/29/2002
2-Methylphenol	ND	0.39		mg/Kg-dry	1	6/29/2002
4-Methylphenol	ND	0.39		mg/Kg-dry	1	6/29/2002
2-Nitroaniline	ND	1.9		mg/Kg-dry	1	6/29/2002

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Date Reported: July 01, 2002
Date Printed: July 01, 2002

Client: Burns & McDonnell
Lab Order: 0206122
Project: 29168, Hawthorne Parcel 1
Lab ID: 0206122-002

Client Sample ID: HAS SP02 001
Collection Date: 6/17/2002 12:15:00 PM
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		**SW8270C**		Prep Date: **6/27/2002**		Analyst: **JF**
3-Nitroaniline	ND	1.9		mg/Kg-dry	1	6/29/2002
4-Nitroaniline	ND	1.9		mg/Kg-dry	1	6/29/2002
Nitrobenzene	ND	0.39		mg/Kg-dry	1	6/29/2002
2-Nitrophenol	ND	1.9		mg/Kg-dry	1	6/29/2002
4-Nitrophenol	ND	1.9		mg/Kg-dry	1	6/29/2002
N-Nitrosodi-n-propylamine	ND	0.39		mg/Kg-dry	1	6/29/2002
N-Nitrosodiphenylamine	ND	0.39		mg/Kg-dry	1	6/29/2002
2, 2'-oxybis(1-Chloropropane)	ND	0.39		mg/Kg-dry	1	6/29/2002
Pentachlorophenol	ND	1.9		mg/Kg-dry	1	6/29/2002
Phenol	ND	0.39		mg/Kg-dry	1	6/29/2002
1,2,4-Trichlorobenzene	ND	0.39		mg/Kg-dry	1	6/29/2002
2,4,5-Trichlorophenol	ND	0.79		mg/Kg-dry	1	6/29/2002
2,4,6-Trichlorophenol	ND	0.39		mg/Kg-dry	1	6/29/2002
Volatile Organic Compounds by GC/MS		**SW5035/8260B**		Prep Date: **6/18/2002**		Analyst: **PS**
Acetone	ND	0.086		mg/Kg-dry	1	6/25/2002
Benzene	10	1.5		mg/Kg-dry	200	6/25/2002
Bromodichloromethane	ND	0.017		mg/Kg-dry	1	6/25/2002
Bromoform	ND	0.017		mg/Kg-dry	1	6/25/2002
Bromomethane	ND	0.034		mg/Kg-dry	1	6/25/2002
2-Butanone	ND	0.034		mg/Kg-dry	1	6/25/2002
Carbon disulfide	ND	0.017		mg/Kg-dry	1	6/25/2002
Carbon tetrachloride	ND	0.017		mg/Kg-dry	1	6/25/2002
Chlorobenzene	ND	0.017		mg/Kg-dry	1	6/25/2002
Chloroethane	ND	0.034		mg/Kg-dry	1	6/25/2002
Chloroform	ND	0.017		mg/Kg-dry	1	6/25/2002
Chloromethane	ND	0.017		mg/Kg-dry	1	6/25/2002
Dibromochloromethane	ND	0.017		mg/Kg-dry	1	6/25/2002
1,1-Dichloroethane	ND	0.017		mg/Kg-dry	1	6/25/2002
1,2-Dichloroethane	ND	0.017		mg/Kg-dry	1	6/25/2002
1,1-Dichloroethene	ND	0.017		mg/Kg-dry	1	6/25/2002
cis-1,2-Dichloroethene	ND	0.017		mg/Kg-dry	1	6/25/2002
trans-1,2-Dichloroethene	ND	0.017		mg/Kg-dry	1	6/25/2002
1,2-Dichloropropane	ND	0.017		mg/Kg-dry	1	6/25/2002
cis-1,3-Dichloropropene	ND	0.017		mg/Kg-dry	1	6/25/2002
trans-1,3-Dichloropropene	ND	0.017		mg/Kg-dry	1	6/25/2002
Ethylbenzene	0.091	0.017		mg/Kg-dry	1	6/25/2002
2-Hexanone	ND	0.034		mg/Kg-dry	1	6/25/2002
4-Methyl-2-pentanone	ND	0.034		mg/Kg-dry	1	6/25/2002

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Date Reported: July 01, 2002
Date Printed: July 01, 2002

Client: Burns & McDonnell
Lab Order: 0206122
Project: 29168, Hawthorne Parcel 1
Lab ID: 0206122-002

Client Sample ID: HAS SP02 001
Collection Date: 6/17/2002 12:15:00 PM
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		**SW5035/8260B**		Prep Date: **6/18/2002**		Analyst: **PS**
Methylene chloride	ND	0.034		mg/Kg-dry	1	6/25/2002
Styrene	ND	0.017		mg/Kg-dry	1	6/25/2002
1,1,2,2-Tetrachloroethane	ND	0.017		mg/Kg-dry	1	6/25/2002
Tetrachloroethene	ND	0.017		mg/Kg-dry	1	6/25/2002
Toluene	0.028	0.017		mg/Kg-dry	1	6/25/2002
1,1,1-Trichloroethane	ND	0.017		mg/Kg-dry	1	6/25/2002
1,1,2-Trichloroethane	ND	0.017		mg/Kg-dry	1	6/25/2002
Trichloroethene	ND	0.017		mg/Kg-dry	1	6/25/2002
Vinyl chloride	ND	0.017		mg/Kg-dry	1	6/25/2002
m,p-Xylene	0.21	0.017		mg/Kg-dry	1	6/25/2002
o-Xylene	0.065	0.017		mg/Kg-dry	1	6/25/2002
Cyanide, Total		**SW9012A**		Prep Date: **6/20/2002**		Analyst: **YZ**
Cyanide	ND	0.31		mg/Kg-dry	1	6/24/2002
Percent Moisture		**D2216**		Prep Date: **6/24/2002**		Analyst: **PMS**
Percent Moisture	20.10	0.01		wt%	1	6/24/2002

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Date Reported: July 01, 2002
Date Printed: July 01, 2002

Client: Burns & McDonnell
Lab Order: 0206122
Project: 29168, Hawthorne Parcel 1
Lab ID: 0206122-003

Client Sample ID: HAS SP03 001
Collection Date: 6/17/2002 1:30:00 PM
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCBs	**SW8082**			Prep Date: **6/27/2002**		Analyst: **JF**
Aroclor 1016	ND	0.095		mg/Kg-dry	1	6/28/2002
Aroclor 1221	ND	0.095		mg/Kg-dry	1	6/28/2002
Aroclor 1232	ND	0.095		mg/Kg-dry	1	6/28/2002
Aroclor 1242	ND	0.095		mg/Kg-dry	1	6/28/2002
Aroclor 1248	ND	0.095		mg/Kg-dry	1	6/28/2002
Aroclor 1254	ND	0.19		mg/Kg-dry	1	6/28/2002
Aroclor 1260	ND	0.19		mg/Kg-dry	1	6/28/2002
Mercury	**SW7471A**			Prep Date: **6/22/2002**		Analyst: **DRJ**
Mercury	ND	0.03		mg/Kg-dry	1	6/22/2002
Metals by ICP/MS	**SW6020**			Prep Date: **6/23/2002**		Analyst: **MCL**
Antimony	ND	1.2	UJ	mg/Kg-dry	10	6/26/2002
Arsenic	4.3	0.58		mg/Kg-dry	10	6/26/2002
Beryllium	0.62	0.58		mg/Kg-dry	10	6/26/2002
Cadmium	ND	0.58		mg/Kg-dry	10	6/26/2002
Chromium	27	5.8		mg/Kg-dry	50	6/26/2002
Copper	29	5.8	J	mg/Kg-dry	50	6/26/2002
Lead	14	0.58		mg/Kg-dry	10	6/26/2002
Nickel	39	5.8		mg/Kg-dry	50	6/26/2002
Selenium	ND	1.2		mg/Kg-dry	10	6/26/2002
Silver	ND	1.2		mg/Kg-dry	10	6/26/2002
Thallium	1.3	1.2		mg/Kg-dry	10	6/26/2002
Zinc	71	29	J	mg/Kg-dry	50	6/26/2002
Polynuclear Aromatic Hydrocarbons	**SW8270(SIM)**			Prep Date: **6/27/2002**		Analyst: **VS**
Acenaphthene	ND	0.029		mg/Kg-dry	1	6/27/2002
Acenaphthylene	ND	0.029		mg/Kg-dry	1	6/27/2002
Anthracene	ND	0.029		mg/Kg-dry	1	6/27/2002
Benz(a)anthracene	ND	0.029		mg/Kg-dry	1	6/27/2002
Benzo(b)fluoranthene	ND	0.029		mg/Kg-dry	1	6/27/2002
Benzo(k)fluoranthene	ND	0.029		mg/Kg-dry	1	6/27/2002
Benzo(g,h,i)perylene	ND	0.029		mg/Kg-dry	1	6/27/2002
Benzo(a)pyrene	ND	0.029		mg/Kg-dry	1	6/27/2002
Chrysene	ND	0.029		mg/Kg-dry	1	6/27/2002
Dibenz(a,h)anthracene	ND	0.029		mg/Kg-dry	1	6/27/2002
Fluoranthene	0.03	0.029		mg/Kg-dry	1	6/27/2002
Fluorene	ND	0.029		mg/Kg-dry	1	6/27/2002
Indeno(1,2,3-cd)pyrene	ND	0.029		mg/Kg-dry	1	6/27/2002
Naphthalene	0.029	0.029		mg/Kg-dry	1	6/27/2002

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R - RPD outside accepted recovery limits
E - Value above quantitation range

J = estimated value; poor MS/MSD recovery JAK U = Non-detect. JAK

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AIHA Environmental Lead and Industrial Hygiene ACCREDITED LABORATORY

Date Reported: July 01, 2002

Date Printed: July 01, 2002

Client: Burns & McDonnell
Lab Order: 0206122
Project: 29168, Hawthorne Parcel 1
Lab ID: 0206122-003

Client Sample ID: HAS SP03 001
Collection Date: 6/17/2002 1:30:00 PM
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Polynuclear Aromatic Hydrocarbons		**SW8270(SIM)**		Prep Date: **6/27/2002**		Analyst: **VS**
Phenanthrene	0.064	0.029		mg/Kg-dry	1	6/27/2002
Pyrene	0.045	0.029		mg/Kg-dry	1	6/27/2002
Semivolatile Organic Compounds by GC/MS		**SW8270C**		Prep Date: **6/27/2002**		Analyst: **JF**
Bis(2-chloroethoxy)methane	ND	0.39		mg/Kg-dry	1	6/27/2002
Bis(2-chloroethyl)ether	ND	0.39		mg/Kg-dry	1	6/27/2002
Bis(2-ethylhexyl)phthalate	ND	0.39		mg/Kg-dry	1	6/27/2002
4-Bromophenyl phenyl ether	ND	0.39		mg/Kg-dry	1	6/27/2002
Butyl benzyl phthalate	ND	0.39		mg/Kg-dry	1	6/27/2002
Carbazole	ND	0.39		mg/Kg-dry	1	6/27/2002
4-Chloro-3-methylphenol	ND	0.39		mg/Kg-dry	1	6/27/2002
4-Chloroaniline	ND	0.39		mg/Kg-dry	1	6/27/2002
2-Chloronaphthalene	ND	0.39		mg/Kg-dry	1	6/27/2002
2-Chlorophenol	ND	0.39		mg/Kg-dry	1	6/27/2002
4-Chlorophenyl phenyl ether	ND	0.39		mg/Kg-dry	1	6/27/2002
Dibenzofuran	ND	0.39		mg/Kg-dry	1	6/27/2002
1,2-Dichlorobenzene	ND	0.39		mg/Kg-dry	1	6/27/2002
1,3-Dichlorobenzene	ND	0.39		mg/Kg-dry	1	6/27/2002
1,4-Dichlorobenzene	ND	0.39		mg/Kg-dry	1	6/27/2002
3,3'-Dichlorobenzidine	ND	0.78		mg/Kg-dry	1	6/27/2002
2,4-Dichlorophenol	ND	0.39		mg/Kg-dry	1	6/27/2002
Diethyl phthalate	ND	0.39		mg/Kg-dry	1	6/27/2002
Dimethyl phthalate	ND	0.39		mg/Kg-dry	1	6/27/2002
Di-n-butyl phthalate	ND	0.39		mg/Kg-dry	1	6/27/2002
2,4-Dimethylphenol	ND	0.39		mg/Kg-dry	1	6/27/2002
4,6-Dinitro-2-methylphenol	ND	1.9		mg/Kg-dry	1	6/27/2002
2,4-Dinitrophenol	ND	1.9		mg/Kg-dry	1	6/27/2002
2,4-Dinitrotoluene	ND	0.29		mg/Kg-dry	1	6/27/2002
2,6-Dinitrotoluene	ND	0.29		mg/Kg-dry	1	6/27/2002
Di-n-octyl phthalate	ND	0.39		mg/Kg-dry	1	6/27/2002
Hexachlorobenzene	ND	0.39		mg/Kg-dry	1	6/27/2002
Hexachlorobutadiene	ND	0.39		mg/Kg-dry	1	6/27/2002
Hexachlorocyclopentadiene	ND	0.39		mg/Kg-dry	1	6/27/2002
Hexachloroethane	ND	0.39		mg/Kg-dry	1	6/27/2002
Isophorone	ND	0.39		mg/Kg-dry	1	6/27/2002
2-Methylnaphthalene	ND	0.39		mg/Kg-dry	1	6/27/2002
2-Methylphenol	ND	0.39		mg/Kg-dry	1	6/27/2002
4-Methylphenol	ND	0.39		mg/Kg-dry	1	6/27/2002
2-Nitroaniline	ND	1.9		mg/Kg-dry	1	6/27/2002

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AIHA Environmental Lead and Industrial Hygiene ACCREDITED LABORATORY

Date Reported: July 01, 2002
Date Printed: July 01, 2002

Client: Burns & McDonnell
Lab Order: 0206122
Project: 29168, Hawthorne Parcel 1
Lab ID: 0206122-003

Client Sample ID: HAS SP03 001
Collection Date: 6/17/2002 1:30:00 PM
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		**SW8270C**		Prep Date: **6/27/2002**		Analyst: **JF**
3-Nitroaniline	ND	1.9		mg/Kg-dry	1	6/27/2002
4-Nitroaniline	ND	1.9		mg/Kg-dry	1	6/27/2002
Nitrobenzene	ND	0.39		mg/Kg-dry	1	6/27/2002
2-Nitrophenol	ND	1.9		mg/Kg-dry	1	6/27/2002
4-Nitrophenol	ND	1.9		mg/Kg-dry	1	6/27/2002
N-Nitrosodi-n-propylamine	ND	0.39		mg/Kg-dry	1	6/27/2002
N-Nitrosodiphenylamine	ND	0.39		mg/Kg-dry	1	6/27/2002
2, 2'-oxybis(1-Chloropropane)	ND	0.39		mg/Kg-dry	1	6/27/2002
Pentachlorophenol	ND	1.9		mg/Kg-dry	1	6/27/2002
Phenol	ND	0.39		mg/Kg-dry	1	6/27/2002
1,2,4-Trichlorobenzene	ND	0.39		mg/Kg-dry	1	6/27/2002
2,4,5-Trichlorophenol	ND	0.78		mg/Kg-dry	1	6/27/2002
2,4,6-Trichlorophenol	ND	0.39		mg/Kg-dry	1	6/27/2002
Volatile Organic Compounds by GC/MS		**SW5035/8260B**		Prep Date: **6/18/2002**		Analyst: **PS**
Acetone	ND	0.048		mg/Kg-dry	1	6/25/2002
Benzene	0.0097	0.0095		mg/Kg-dry	1	6/25/2002
Bromodichloromethane	ND	0.0095		mg/Kg-dry	1	6/25/2002
Bromoform	ND	0.0095		mg/Kg-dry	1	6/25/2002
Bromomethane	ND	0.019		mg/Kg-dry	1	6/25/2002
2-Butanone	ND	0.019		mg/Kg-dry	1	6/25/2002
Carbon disulfide	ND	0.0095		mg/Kg-dry	1	6/25/2002
Carbon tetrachloride	ND	0.0095		mg/Kg-dry	1	6/25/2002
Chlorobenzene	ND	0.0095		mg/Kg-dry	1	6/25/2002
Chloroethane	ND	0.019		mg/Kg-dry	1	6/25/2002
Chloroform	ND	0.0095		mg/Kg-dry	1	6/25/2002
Chloromethane	ND	0.0095		mg/Kg-dry	1	6/25/2002
Dibromochloromethane	ND	0.0095		mg/Kg-dry	1	6/25/2002
1,1-Dichloroethane	ND	0.0095		mg/Kg-dry	1	6/25/2002
1,2-Dichloroethane	ND	0.0095		mg/Kg-dry	1	6/25/2002
1,1-Dichloroethene	ND	0.0095		mg/Kg-dry	1	6/25/2002
cis-1,2-Dichloroethene	ND	0.0095		mg/Kg-dry	1	6/25/2002
trans-1,2-Dichloroethene	ND	0.0095		mg/Kg-dry	1	6/25/2002
1,2-Dichloropropane	ND	0.0095		mg/Kg-dry	1	6/25/2002
cis-1,3-Dichloropropene	ND	0.0095		mg/Kg-dry	1	6/25/2002
trans-1,3-Dichloropropene	ND	0.0095		mg/Kg-dry	1	6/25/2002
Ethylbenzene	ND	0.0095		mg/Kg-dry	1	6/25/2002
2-Hexanone	ND	0.019		mg/Kg-dry	1	6/25/2002
4-Methyl-2-pentanone	ND	0.019		mg/Kg-dry	1	6/25/2002

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Date Reported: July 01, 2002
Date Printed: July 01, 2002

Client: Burns & McDonnell
Lab Order: 0206122
Project: 29168, Hawthorne Parcel 1
Lab ID: 0206122-003

Client Sample ID: HAS SP03 001
Collection Date: 6/17/2002 1:30:00 PM
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		**SW5035/8260B**		Prep Date: **6/18/2002**		Analyst: **PS**
Methylene chloride	ND	0.019		mg/Kg-dry	1	6/25/2002
Styrene	ND	0.0095		mg/Kg-dry	1	6/25/2002
1,1,2,2-Tetrachloroethane	ND	0.0095		mg/Kg-dry	1	6/25/2002
Tetrachloroethene	ND	0.0095		mg/Kg-dry	1	6/25/2002
Toluene	ND	0.0095		mg/Kg-dry	1	6/25/2002
1,1,1-Trichloroethane	ND	0.0095		mg/Kg-dry	1	6/25/2002
1,1,2-Trichloroethane	ND	0.0095		mg/Kg-dry	1	6/25/2002
Trichloroethene	ND	0.0095		mg/Kg-dry	1	6/25/2002
Vinyl chloride	ND	0.0095		mg/Kg-dry	1	6/25/2002
m,p-Xylene	0.083	0.0095		mg/Kg-dry	1	6/25/2002
o-Xylene	0.011	0.0095		mg/Kg-dry	1	6/25/2002
Cyanide, Total		**SW9012A**		Prep Date: **6/20/2002**		Analyst: **YZ**
Cyanide	ND	0.3		mg/Kg-dry	1	6/24/2002
Percent Moisture		**D2216**		Prep Date: **6/24/2002**		Analyst: **PMS**
Percent Moisture	17.06	0.01		wt%	1	6/24/2002

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Lab Order: 0206122
Project: 29168, Hawthorne Parcel 1
Lab ID: 0206122-004

Client Sample ID: HAS SP05 001
Collection Date: 6/17/2002 2:45:00 PM
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCBs	**SW8082**			Prep Date: **6/27/2002**		Analyst: **JF**
Aroclor 1016	ND	0.093		mg/Kg-dry	1	6/28/2002
Aroclor 1221	ND	0.093		mg/Kg-dry	1	6/28/2002
Aroclor 1232	ND	0.093		mg/Kg-dry	1	6/28/2002
Aroclor 1242	ND	0.093		mg/Kg-dry	1	6/28/2002
Aroclor 1248	ND	0.093		mg/Kg-dry	1	6/28/2002
Aroclor 1254	ND	0.19		mg/Kg-dry	1	6/28/2002
Aroclor 1260	ND	0.19		mg/Kg-dry	1	6/28/2002
Mercury	**SW7471A**			Prep Date: **6/22/2002**		Analyst: **DRJ**
Mercury	0.61	0.027		mg/Kg-dry	1	6/22/2002
Metals by ICP/MS	**SW6020**			Prep Date: **6/23/2002**		Analyst: **MCL**
Antimony	1.3	1.1	J	mg/Kg-dry	10	6/26/2002
Arsenic	9.4	0.56		mg/Kg-dry	10	6/26/2002
Beryllium	0.66	0.56		mg/Kg-dry	10	6/26/2002
Cadmium	0.94	0.56		mg/Kg-dry	10	6/26/2002
Chromium	18	5.6		mg/Kg-dry	50	6/26/2002
Copper	54	5.6	J	mg/Kg-dry	50	6/26/2002
Lead	210	0.56	J	mg/Kg-dry	10	6/26/2002
Nickel	22	5.6	J	mg/Kg-dry	50	6/26/2002
Selenium	ND	1.1		mg/Kg-dry	10	6/26/2002
Silver	ND	1.1		mg/Kg-dry	10	6/26/2002
Thallium	ND	1.1		mg/Kg-dry	10	6/26/2002
Zinc	180	28		mg/Kg-dry	50	6/26/2002
Polynuclear Aromatic Hydrocarbons	**SW8270(SIM)**			Prep Date: **6/27/2002**		Analyst: **VS**
Acenaphthene	0.058	0.029		mg/Kg-dry	1	6/28/2002
Acenaphthylene	1.7	0.29		mg/Kg-dry	10	6/28/2002
Anthracene	0.49	0.29		mg/Kg-dry	10	6/28/2002
Benz(a)anthracene	2.3	0.29		mg/Kg-dry	10	6/28/2002
Benzo(b)fluoranthene	3.6	0.29		mg/Kg-dry	10	6/28/2002
Benzo(k)fluoranthene	3.2	0.29		mg/Kg-dry	10	6/28/2002
Benzo(g,h,i)perylene	1.9	0.29		mg/Kg-dry	10	6/28/2002
Benzo(a)pyrene	3.4	0.29		mg/Kg-dry	10	6/28/2002
Chrysene	2.6	0.29		mg/Kg-dry	10	6/28/2002
Dibenz(a,h)anthracene	0.65	0.29		mg/Kg-dry	10	6/28/2002
Fluoranthene	2.3	0.29		mg/Kg-dry	10	6/28/2002
Fluorene	0.35	0.029		mg/Kg-dry	1	6/28/2002
Indeno(1,2,3-cd)pyrene	1.7	0.29		mg/Kg-dry	10	6/28/2002
Naphthalene	1.7	0.29		mg/Kg-dry	10	6/28/2002

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J = estimated value; poor MS/MSD recovery. JAK

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Date Reported: July 01, 2002

Date Printed: July 01, 2002

Client: Burns & McDonnell
Lab Order: 0206122
Project: 29168, Hawthorne Parcel 1
Lab ID: 0206122-004

Client Sample ID: HAS SP05 001
Collection Date: 6/17/2002 2:45:00 PM
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Polynuclear Aromatic Hydrocarbons		**SW8270(SIM)**		Prep Date: **6/27/2002**		Analyst: **VS**
Phenanthrene	0.62	0.29		mg/Kg-dry	10	6/28/2002
Pyrene	3.6	0.29		mg/Kg-dry	10	6/28/2002
Semivolatile Organic Compounds by GC/MS		**SW8270C**		Prep Date: **6/27/2002**		Analyst: **JF**
Bis(2-chloroethoxy)methane	ND	0.38		mg/Kg-dry	1	6/29/2002
Bis(2-chloroethyl)ether	ND	0.38		mg/Kg-dry	1	6/29/2002
Bis(2-ethylhexyl)phthalate	ND	0.38		mg/Kg-dry	1	6/29/2002
4-Bromophenyl phenyl ether	ND	0.38		mg/Kg-dry	1	6/29/2002
Butyl benzyl phthalate	ND	0.38		mg/Kg-dry	1	6/29/2002
Carbazole	ND	0.38		mg/Kg-dry	1	6/29/2002
4-Chloro-3-methylphenol	ND	0.38		mg/Kg-dry	1	6/29/2002
4-Chloroaniline	ND	0.38		mg/Kg-dry	1	6/29/2002
2-Chloronaphthalene	ND	0.38		mg/Kg-dry	1	6/29/2002
2-Chlorophenol	ND	0.38		mg/Kg-dry	1	6/29/2002
4-Chlorophenyl phenyl ether	ND	0.38		mg/Kg-dry	1	6/29/2002
Dibenzofuran	ND	0.38		mg/Kg-dry	1	6/29/2002
1,2-Dichlorobenzene	ND	0.38		mg/Kg-dry	1	6/29/2002
1,3-Dichlorobenzene	ND	0.38		mg/Kg-dry	1	6/29/2002
1,4-Dichlorobenzene	ND	0.38		mg/Kg-dry	1	6/29/2002
3,3'-Dichlorobenzidine	ND	0.76		mg/Kg-dry	1	6/29/2002
2,4-Dichlorophenol	ND	0.38		mg/Kg-dry	1	6/29/2002
Diethyl phthalate	ND	0.38		mg/Kg-dry	1	6/29/2002
Dimethyl phthalate	ND	0.38		mg/Kg-dry	1	6/29/2002
Di-n-butyl phthalate	ND	0.38		mg/Kg-dry	1	6/29/2002
2,4-Dimethylphenol	ND	0.38		mg/Kg-dry	1	6/29/2002
4,6-Dinitro-2-methylphenol	ND	1.8		mg/Kg-dry	1	6/29/2002
2,4-Dinitrophenol	ND	1.8		mg/Kg-dry	1	6/29/2002
2,4-Dinitrotoluene	ND	0.29		mg/Kg-dry	1	6/29/2002
2,6-Dinitrotoluene	ND	0.29		mg/Kg-dry	1	6/29/2002
Di-n-octyl phthalate	ND	0.38		mg/Kg-dry	1	6/29/2002
Hexachlorobenzene	ND	0.38		mg/Kg-dry	1	6/29/2002
Hexachlorobutadiene	ND	0.38		mg/Kg-dry	1	6/29/2002
Hexachlorocyclopentadiene	ND	0.38		mg/Kg-dry	1	6/29/2002
Hexachloroethane	ND	0.38		mg/Kg-dry	1	6/29/2002
Isophorone	ND	0.38		mg/Kg-dry	1	6/29/2002
2-Methylnaphthalene	0.39	0.38		mg/Kg-dry	1	6/29/2002
2-Methylphenol	ND	0.38		mg/Kg-dry	1	6/29/2002
4-Methylphenol	ND	0.38		mg/Kg-dry	1	6/29/2002
2-Nitroaniline	ND	1.8		mg/Kg-dry	1	6/29/2002

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Date Reported: July 01, 2002
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Client: Burns & McDonnell
Lab Order: 0206122
Project: 29168, Hawthorne Parcel 1
Lab ID: 0206122-004

Client Sample ID: HAS SP05 001
Collection Date: 6/17/2002 2:45:00 PM
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		**SW8270C**		Prep Date: **6/27/2002**		Analyst: **JF**
3-Nitroaniline	ND	1.8		mg/Kg-dry	1	6/29/2002
4-Nitroaniline	ND	1.8		mg/Kg-dry	1	6/29/2002
Nitrobenzene	ND	0.38		mg/Kg-dry	1	6/29/2002
2-Nitrophenol	ND	1.8		mg/Kg-dry	1	6/29/2002
4-Nitrophenol	ND	1.8		mg/Kg-dry	1	6/29/2002
N-Nitrosodi-n-propylamine	ND	0.38		mg/Kg-dry	1	6/29/2002
N-Nitrosodiphenylamine	ND	0.38		mg/Kg-dry	1	6/29/2002
2, 2'-oxybis(1-Chloropropane)	ND	0.38		mg/Kg-dry	1	6/29/2002
Pentachlorophenol	ND	1.8		mg/Kg-dry	1	6/29/2002
Phenol	ND	0.38		mg/Kg-dry	1	6/29/2002
1,2,4-Trichlorobenzene	ND	0.38		mg/Kg-dry	1	6/29/2002
2,4,5-Trichlorophenol	ND	0.76		mg/Kg-dry	1	6/29/2002
2,4,6-Trichlorophenol	ND	0.38		mg/Kg-dry	1	6/29/2002
Volatile Organic Compounds by GC/MS		**SW5035/8260B**		Prep Date: **6/18/2002**		Analyst: **PS**
Acetone	ND	0.054		mg/Kg-dry	1	6/25/2002
Benzene	ND	0.011		mg/Kg-dry	1	6/25/2002
Bromodichloromethane	ND	0.011		mg/Kg-dry	1	6/25/2002
Bromoform	ND	0.011		mg/Kg-dry	1	6/25/2002
Bromomethane	ND	0.022		mg/Kg-dry	1	6/25/2002
2-Butanone	ND	0.022		mg/Kg-dry	1	6/25/2002
Carbon disulfide	ND	0.011		mg/Kg-dry	1	6/25/2002
Carbon tetrachloride	ND	0.011		mg/Kg-dry	1	6/25/2002
Chlorobenzene	ND	0.011		mg/Kg-dry	1	6/25/2002
Chloroethane	ND	0.022		mg/Kg-dry	1	6/25/2002
Chloroform	ND	0.011		mg/Kg-dry	1	6/25/2002
Chloromethane	ND	0.011		mg/Kg-dry	1	6/25/2002
Dibromochloromethane	ND	0.011		mg/Kg-dry	1	6/25/2002
1,1-Dichloroethane	ND	0.011		mg/Kg-dry	1	6/25/2002
1,2-Dichloroethane	ND	0.011		mg/Kg-dry	1	6/25/2002
1,1-Dichloroethene	ND	0.011		mg/Kg-dry	1	6/25/2002
cis-1,2-Dichloroethene	ND	0.011		mg/Kg-dry	1	6/25/2002
trans-1,2-Dichloroethene	ND	0.011		mg/Kg-dry	1	6/25/2002
1,2-Dichloropropane	ND	0.011		mg/Kg-dry	1	6/25/2002
cis-1,3-Dichloropropene	ND	0.011		mg/Kg-dry	1	6/25/2002
trans-1,3-Dichloropropene	ND	0.011		mg/Kg-dry	1	6/25/2002
Ethylbenzene	ND	0.011		mg/Kg-dry	1	6/25/2002
2-Hexanone	ND	0.022		mg/Kg-dry	1	6/25/2002
4-Methyl-2-pentanone	ND	0.022		mg/Kg-dry	1	6/25/2002

Qualifiers:
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AIHA Environmental Lead and Industrial Hygiene ACCREDITED LABORATORY

Date Reported: July 01, 2002
Date Printed: July 01, 2002

Client: Burns & McDonnell
Lab Order: 0206122
Project: 29168, Hawthorne Parcel 1
Lab ID: 0206122-004

Client Sample ID: HAS SP05 001
Collection Date: 6/17/2002 2:45:00 PM
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		**SW5035/8260B**		Prep Date: **6/18/2002**		Analyst: **PS**
Methylene chloride	ND	0.022		mg/Kg-dry	1	6/25/2002
Styrene	ND	0.011		mg/Kg-dry	1	6/25/2002
1,1,2,2-Tetrachloroethane	ND	0.011		mg/Kg-dry	1	6/25/2002
Tetrachloroethene	ND	0.011		mg/Kg-dry	1	6/25/2002
Toluene	ND	0.011		mg/Kg-dry	1	6/25/2002
1,1,1-Trichloroethane	ND	0.011		mg/Kg-dry	1	6/25/2002
1,1,2-Trichloroethane	ND	0.011		mg/Kg-dry	1	6/25/2002
Trichloroethene	ND	0.011		mg/Kg-dry	1	6/25/2002
Vinyl chloride	ND	0.011		mg/Kg-dry	1	6/25/2002
m,p-Xylene	ND	0.011		mg/Kg-dry	1	6/25/2002
o-Xylene	ND	0.011		mg/Kg-dry	1	6/25/2002
Cyanide, Total		**SW9012A**		Prep Date: **6/20/2002**		Analyst: **YZ**
Cyanide	ND	0.29		mg/Kg-dry	1	6/26/2002
Percent Moisture		**D2216**		Prep Date: **6/24/2002**		Analyst: **PMS**
Percent Moisture	15.12	0.01		wt%	1	6/24/2002

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AIHA Environmental Lead and Industrial Hygiene ACCREDITED LABORATORY

Date Reported: July 01, 2002
Date Printed: July 01, 2002

Client: Burns & McDonnell
Lab Order: 0206122
Project: 29168, Hawthorne Parcel 1
Lab ID: 0206122-005

Client Sample ID: HAS SP05 002
Collection Date: 6/17/2002 3:00:00 PM
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCBs	**SW8082**			Prep Date: **6/27/2002**		Analyst: **JF**
Aroclor 1016	ND	0.093		mg/Kg-dry	1	6/28/2002
Aroclor 1221	ND	0.093		mg/Kg-dry	1	6/28/2002
Aroclor 1232	ND	0.093		mg/Kg-dry	1	6/28/2002
Aroclor 1242	ND	0.093		mg/Kg-dry	1	6/28/2002
Aroclor 1248	ND	0.093		mg/Kg-dry	1	6/28/2002
Aroclor 1254	ND	0.19		mg/Kg-dry	1	6/28/2002
Aroclor 1260	ND	0.19		mg/Kg-dry	1	6/28/2002
Mercury	**SW7471A**			Prep Date: **6/22/2002**		Analyst: **DRJ**
Mercury	0.053	0.029		mg/Kg-dry	1	6/22/2002
Metals by ICP/MS	**SW6020**			Prep Date: **6/23/2002**		Analyst: **MCL**
Antimony	ND	1.1	UJ	mg/Kg-dry	10	6/27/2002
Arsenic	2.9	0.57		mg/Kg-dry	10	6/27/2002
Beryllium	ND	0.57		mg/Kg-dry	10	6/27/2002
Cadmium	ND	0.57		mg/Kg-dry	10	6/27/2002
Chromium	4.7	1.1		mg/Kg-dry	10	6/27/2002
Copper	4.1	1.1	J	mg/Kg-dry	10	6/27/2002
Lead	20	0.57		mg/Kg-dry	10	6/27/2002
Nickel	4.5	1.1		mg/Kg-dry	10	6/27/2002
Selenium	ND	1.1		mg/Kg-dry	10	6/27/2002
Silver	ND	1.1		mg/Kg-dry	10	6/27/2002
Thallium	ND	1.1		mg/Kg-dry	10	6/27/2002
Zinc	48	5.7	J	mg/Kg-dry	10	6/27/2002
Polynuclear Aromatic Hydrocarbons	**SW8270(SIM)**			Prep Date: **6/27/2002**		Analyst: **VS**
Acenaphthene	1.2	0.3		mg/Kg-dry	10	6/28/2002
Acenaphthylene	0.15	0.03		mg/Kg-dry	1	6/28/2002
Anthracene	3.7	3		mg/Kg-dry	100	6/28/2002
Benz(a)anthracene	5.6	3		mg/Kg-dry	100	6/28/2002
Benzo(b)fluoranthene	3.4	3		mg/Kg-dry	100	6/28/2002
Benzo(k)fluoranthene	3.6	3		mg/Kg-dry	100	6/28/2002
Benzo(g,h,i)perylene	1.1	0.3		mg/Kg-dry	10	6/28/2002
Benzo(a)pyrene	3.9	3		mg/Kg-dry	100	6/28/2002
Chrysene	5.4	3		mg/Kg-dry	100	6/28/2002
Dibenz(a,h)anthracene	0.66	0.3		mg/Kg-dry	10	6/28/2002
Fluoranthene	18	3		mg/Kg-dry	100	6/28/2002
Fluorene	0.6	0.3		mg/Kg-dry	10	6/28/2002
Indeno(1,2,3-cd)pyrene	1.3	0.3		mg/Kg-dry	10	6/28/2002
Naphthalene	0.072	0.03		mg/Kg-dry	1	6/28/2002

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J = estimated value; poor MS/MSD recovery. JAK U = Non-detect. JAK

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AIHA Environmental Lead and Industrial Hygiene ACCREDITED LABORATORY

Date Reported: July 01, 2002

Date Printed: July 01, 2002

Client: Burns & McDonnell
Lab Order: 0206122
Project: 29168, Hawthorne Parcel 1
Lab ID: 0206122-005

Client Sample ID: HAS SP05 002
Collection Date: 6/17/2002 3:00:00 PM
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Polynuclear Aromatic Hydrocarbons		**SW8270(SIM)**		Prep Date: **6/27/2002**		Analyst: **VS**
Phenanthrene	7.6	3		mg/Kg-dry	100	6/28/2002
Pyrene	15	3		mg/Kg-dry	100	6/28/2002
Semivolatile Organic Compounds by GC/MS		**SW8270C**		Prep Date: **6/27/2002**		Analyst: **JF**
Bis(2-chloroethoxy)methane	ND	0.39		mg/Kg-dry	1	6/29/2002
Bis(2-chloroethyl)ether	ND	0.39		mg/Kg-dry	1	6/29/2002
Bis(2-ethylhexyl)phthalate	ND	0.39		mg/Kg-dry	1	6/29/2002
4-Bromophenyl phenyl ether	ND	0.39		mg/Kg-dry	1	6/29/2002
Butyl benzyl phthalate	ND	0.39		mg/Kg-dry	1	6/29/2002
Carbazole	0.64	0.39		mg/Kg-dry	1	6/29/2002
4-Chloro-3-methylphenol	ND	0.39		mg/Kg-dry	1	6/29/2002
4-Chloroaniline	ND	0.39		mg/Kg-dry	1	6/29/2002
2-Chloronaphthalene	ND	0.39		mg/Kg-dry	1	6/29/2002
2-Chlorophenol	ND	0.39		mg/Kg-dry	1	6/29/2002
4-Chlorophenyl phenyl ether	ND	0.39		mg/Kg-dry	1	6/29/2002
Dibenzofuran	ND	0.39		mg/Kg-dry	1	6/29/2002
1,2-Dichlorobenzene	ND	0.39		mg/Kg-dry	1	6/29/2002
1,3-Dichlorobenzene	ND	0.39		mg/Kg-dry	1	6/29/2002
1,4-Dichlorobenzene	ND	0.39		mg/Kg-dry	1	6/29/2002
3,3'-Dichlorobenzidine	ND	0.79		mg/Kg-dry	1	6/29/2002
2,4-Dichlorophenol	ND	0.39		mg/Kg-dry	1	6/29/2002
Diethyl phthalate	ND	0.39		mg/Kg-dry	1	6/29/2002
Dimethyl phthalate	ND	0.39		mg/Kg-dry	1	6/29/2002
Di-n-butyl phthalate	ND	0.39		mg/Kg-dry	1	6/29/2002
2,4-Dimethylphenol	ND	0.39		mg/Kg-dry	1	6/29/2002
4,6-Dinitro-2-methylphenol	ND	1.9		mg/Kg-dry	1	6/29/2002
2,4-Dinitrophenol	ND	1.9		mg/Kg-dry	1	6/29/2002
2,4-Dinitrotoluene	ND	0.3		mg/Kg-dry	1	6/29/2002
2,6-Dinitrotoluene	ND	0.3		mg/Kg-dry	1	6/29/2002
Di-n-octyl phthalate	ND	0.39		mg/Kg-dry	1	6/29/2002
Hexachlorobenzene	ND	0.39		mg/Kg-dry	1	6/29/2002
Hexachlorobutadiene	ND	0.39		mg/Kg-dry	1	6/29/2002
Hexachlorocyclopentadiene	ND	0.39		mg/Kg-dry	1	6/29/2002
Hexachloroethane	ND	0.39		mg/Kg-dry	1	6/29/2002
Isophorone	ND	0.39		mg/Kg-dry	1	6/29/2002
2-Methylnaphthalene	ND	0.39		mg/Kg-dry	1	6/29/2002
2-Methylphenol	ND	0.39		mg/Kg-dry	1	6/29/2002
4-Methylphenol	ND	0.39		mg/Kg-dry	1	6/29/2002
2-Nitroaniline	ND	1.9		mg/Kg-dry	1	6/29/2002

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AIHA Environmental Lead and Industrial Hygiene ACCREDITED LABORATORY

Date Reported: July 01, 2002
Date Printed: July 01, 2002

Client: Burns & McDonnell
Lab Order: 0206122
Project: 29168, Hawthorne Parcel 1
Lab ID: 0206122-005

Client Sample ID: HAS SP05 002
Collection Date: 6/17/2002 3:00:00 PM
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	**SW8270C**			Prep Date: **6/27/2002**		Analyst: **JF**
3-Nitroaniline	ND	1.9		mg/Kg-dry	1	6/29/2002
4-Nitroaniline	ND	1.9		mg/Kg-dry	1	6/29/2002
Nitrobenzene	ND	0.39		mg/Kg-dry	1	6/29/2002
2-Nitrophenol	ND	1.9		mg/Kg-dry	1	6/29/2002
4-Nitrophenol	ND	1.9		mg/Kg-dry	1	6/29/2002
N-Nitrosodi-n-propylamine	ND	0.39		mg/Kg-dry	1	6/29/2002
N-Nitrosodiphenylamine	ND	0.39		mg/Kg-dry	1	6/29/2002
2, 2'-oxybis(1-Chloropropane)	ND	0.39		mg/Kg-dry	1	6/29/2002
Pentachlorophenol	ND	1.9		mg/Kg-dry	1	6/29/2002
Phenol	ND	0.39		mg/Kg-dry	1	6/29/2002
1,2,4-Trichlorobenzene	ND	0.39		mg/Kg-dry	1	6/29/2002
2,4,5-Trichlorophenol	ND	0.79		mg/Kg-dry	1	6/29/2002
2,4,6-Trichlorophenol	ND	0.39		mg/Kg-dry	1	6/29/2002
Volatile Organic Compounds by GC/MS	**SW5035/8260B**			Prep Date: **6/18/2002**		Analyst: **PS**
Acetone	ND	0.042		mg/Kg-dry	1	6/24/2002
Benzene	ND	0.0083		mg/Kg-dry	1	6/24/2002
Bromodichloromethane	ND	0.0083		mg/Kg-dry	1	6/24/2002
Bromoform	ND	0.0083		mg/Kg-dry	1	6/24/2002
Bromomethane	ND	0.017		mg/Kg-dry	1	6/24/2002
2-Butanone	ND	0.017		mg/Kg-dry	1	6/24/2002
Carbon disulfide	ND	0.0083		mg/Kg-dry	1	6/24/2002
Carbon tetrachloride	ND	0.0083		mg/Kg-dry	1	6/24/2002
Chlorobenzene	ND	0.0083		mg/Kg-dry	1	6/24/2002
Chloroethane	ND	0.017		mg/Kg-dry	1	6/24/2002
Chloroform	ND	0.0083		mg/Kg-dry	1	6/24/2002
Chloromethane	ND	0.0083		mg/Kg-dry	1	6/24/2002
Dibromochloromethane	ND	0.0083		mg/Kg-dry	1	6/24/2002
1,1-Dichloroethane	ND	0.0083		mg/Kg-dry	1	6/24/2002
1,2-Dichloroethane	ND	0.0083		mg/Kg-dry	1	6/24/2002
1,1-Dichloroethene	ND	0.0083		mg/Kg-dry	1	6/24/2002
cis-1,2-Dichloroethene	ND	0.0083		mg/Kg-dry	1	6/24/2002
trans-1,2-Dichloroethene	ND	0.0083		mg/Kg-dry	1	6/24/2002
1,2-Dichloropropane	ND	0.0083		mg/Kg-dry	1	6/24/2002
cis-1,3-Dichloropropene	ND	0.0083		mg/Kg-dry	1	6/24/2002
trans-1,3-Dichloropropene	ND	0.0083		mg/Kg-dry	1	6/24/2002
Ethylbenzene	ND	0.0083		mg/Kg-dry	1	6/24/2002
2-Hexanone	ND	0.017		mg/Kg-dry	1	6/24/2002
4-Methyl-2-pentanone	ND	0.017		mg/Kg-dry	1	6/24/2002

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AIHA Environmental Lead and Industrial Hygiene ACCREDITED LABORATORY

Date Reported: July 01, 2002
Date Printed: July 01, 2002

Client: Burns & McDonnell
Lab Order: 0206122
Project: 29168, Hawthorne Parcel 1
Lab ID: 0206122-005

Client Sample ID: HAS SP05 002
Collection Date: 6/17/2002 3:00:00 PM
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		**SW5035/8260B**		Prep Date: **6/18/2002**		Analyst: **PS**
Methylene chloride	ND	0.017		mg/Kg-dry	1	6/24/2002
Styrene	ND	0.0083		mg/Kg-dry	1	6/24/2002
1,1,2,2-Tetrachloroethane	ND	0.0083		mg/Kg-dry	1	6/24/2002
Tetrachloroethene	ND	0.0083		mg/Kg-dry	1	6/24/2002
Toluene	ND	0.0083		mg/Kg-dry	1	6/24/2002
1,1,1-Trichloroethane	ND	0.0083		mg/Kg-dry	1	6/24/2002
1,1,2-Trichloroethane	ND	0.0083		mg/Kg-dry	1	6/24/2002
Trichloroethene	ND	0.0083		mg/Kg-dry	1	6/24/2002
Vinyl chloride	ND	0.0083		mg/Kg-dry	1	6/24/2002
m,p-Xylene	ND	0.0083		mg/Kg-dry	1	6/24/2002
o-Xylene	ND	0.0083		mg/Kg-dry	1	6/24/2002
Cyanide, Total		**SW9012A**		Prep Date: **6/20/2002**		Analyst: **YZ**
Cyanide	ND	0.3		mg/Kg-dry	1	6/26/2002
Percent Moisture		**D2216**		Prep Date: **6/24/2002**		Analyst: **PMS**
Percent Moisture	17.28	0.01		wt%	1	6/24/2002

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Date Reported: July 01, 2002

Date Printed: July 01, 2002

Client: Burns & McDonnell
Lab Order: 0206122
Project: 29168, Hawthorne Parcel 1
Lab ID: 0206122-006

Client Sample ID: ~~HAS SP06 001~~ HAS SP06B 001 JAK 7/31/02
Collection Date: 6/17/2002 4:00:00 PM
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCBs		SW8082		Prep Date: 6/28/2002		Analyst: JF
Aroclor 1016	ND	0.1		mg/Kg-dry	1	6/28/2002
Aroclor 1221	ND	0.1		mg/Kg-dry	1	6/28/2002
Aroclor 1232	ND	0.1		mg/Kg-dry	1	6/28/2002
Aroclor 1242	ND	0.1		mg/Kg-dry	1	6/28/2002
Aroclor 1248	ND	0.1		mg/Kg-dry	1	6/28/2002
Aroclor 1254	ND	0.21		mg/Kg-dry	1	6/28/2002
Aroclor 1260	ND	0.21		mg/Kg-dry	1	6/28/2002
Mercury		SW7471A		Prep Date: 6/22/2002		Analyst: DRJ
Mercury	0.16	0.031		mg/Kg-dry	1	6/22/2002
Metals by ICP/MS		SW6020		Prep Date: 6/23/2002		Analyst: MCL
Antimony	ND	1.2	UJ	mg/Kg-dry	10	6/27/2002
Arsenic	3.4	0.62		mg/Kg-dry	10	6/27/2002
Beryllium	ND	0.62		mg/Kg-dry	10	6/27/2002
Cadmium	ND	0.62		mg/Kg-dry	10	6/27/2002
Chromium	14	1.2		mg/Kg-dry	10	6/27/2002
Copper	16	1.2	J	mg/Kg-dry	10	6/27/2002
Lead	73	0.62	J	mg/Kg-dry	10	6/27/2002
Nickel	17	1.2	J	mg/Kg-dry	10	6/27/2002
Selenium	ND	1.2		mg/Kg-dry	10	6/27/2002
Silver	ND	1.2		mg/Kg-dry	10	6/27/2002
Thallium	ND	1.2		mg/Kg-dry	10	6/27/2002
Zinc	52	6.2		mg/Kg-dry	10	6/27/2002
Polynuclear Aromatic Hydrocarbons		SW8270(SIM)		Prep Date: 6/27/2002		Analyst: VS
Acenaphthene	ND	0.033		mg/Kg-dry	1	6/30/2002
Acenaphthylene	ND	0.033		mg/Kg-dry	1	6/30/2002
Anthracene	0.05	0.033		mg/Kg-dry	1	6/30/2002
Benz(a)anthracene	0.18	0.033		mg/Kg-dry	1	6/30/2002
Benzo(b)fluoranthene	ND	0.033		mg/Kg-dry	1	6/30/2002
Benzo(k)fluoranthene	0.037	0.033		mg/Kg-dry	1	6/30/2002
Benzo(g,h,i)perylene	0.04	0.033		mg/Kg-dry	1	6/30/2002
Benzo(a)pyrene	0.064	0.033		mg/Kg-dry	1	6/30/2002
Chrysene	0.23	0.033		mg/Kg-dry	1	6/30/2002
Dibenz(a,h)anthracene	ND	0.033		mg/Kg-dry	1	6/30/2002
Fluoranthene	0.14	0.033		mg/Kg-dry	1	6/30/2002
Fluorene	ND	0.033		mg/Kg-dry	1	6/30/2002
Indeno(1,2,3-cd)pyrene	ND	0.033		mg/Kg-dry	1	6/30/2002
Naphthalene	0.058	0.033		mg/Kg-dry	1	6/30/2002

Qualifiers:
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E - Value above quantitation range

J = estimated value; poor MS/MSD recovery. JAK U = Non-detect. JAK

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AIHA Environmental Lead and Industrial Hygiene ACCREDITED LABORATORY

Date Reported: July 01, 2002

Date Printed: July 01, 2002

Client: Burns & McDonnell
Lab Order: 0206122
Project: 29168, Hawthorne Parcel 1
Lab ID: 0206122-006

Client Sample ID: ~~HAS SP06 001~~ HAS SP06B 001 JAK 7/31/02
Collection Date: 6/17/2002 4:00:00 PM
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Polynuclear Aromatic Hydrocarbons		**SW8270(SIM)**		Prep Date: **6/27/2002**		Analyst: **VS**
Phenanthrene	0.18	0.033		mg/Kg-dry	1	6/30/2002
Pyrene	0.41	0.033		mg/Kg-dry	1	6/30/2002
Semivolatile Organic Compounds by GC/MS		**SW8270C**		Prep Date: **6/27/2002**		Analyst: **JF**
Bis(2-chloroethoxy)methane	ND	0.44		mg/Kg-dry	1	6/29/2002
Bis(2-chloroethyl)ether	ND	0.44		mg/Kg-dry	1	6/29/2002
Bis(2-ethylhexyl)phthalate	ND	0.44		mg/Kg-dry	1	6/29/2002
4-Bromophenyl phenyl ether	ND	0.44		mg/Kg-dry	1	6/29/2002
Butyl benzyl phthalate	ND	0.44		mg/Kg-dry	1	6/29/2002
Carbazole	ND	0.44		mg/Kg-dry	1	6/29/2002
4-Chloro-3-methylphenol	ND	0.44		mg/Kg-dry	1	6/29/2002
4-Chloroaniline	ND	0.44		mg/Kg-dry	1	6/29/2002
2-Chloronaphthalene	ND	0.44		mg/Kg-dry	1	6/29/2002
2-Chlorophenol	ND	0.44		mg/Kg-dry	1	6/29/2002
4-Chlorophenyl phenyl ether	ND	0.44		mg/Kg-dry	1	6/29/2002
Dibenzofuran	ND	0.44		mg/Kg-dry	1	6/29/2002
1,2-Dichlorobenzene	ND	0.44		mg/Kg-dry	1	6/29/2002
1,3-Dichlorobenzene	ND	0.44		mg/Kg-dry	1	6/29/2002
1,4-Dichlorobenzene	ND	0.44		mg/Kg-dry	1	6/29/2002
3,3'-Dichlorobenzidine	ND	0.88		mg/Kg-dry	1	6/29/2002
2,4-Dichlorophenol	ND	0.44		mg/Kg-dry	1	6/29/2002
Diethyl phthalate	ND	0.44		mg/Kg-dry	1	6/29/2002
Dimethyl phthalate	ND	0.44		mg/Kg-dry	1	6/29/2002
Di-n-butyl phthalate	ND	0.44		mg/Kg-dry	1	6/29/2002
2,4-Dimethylphenol	ND	0.44		mg/Kg-dry	1	6/29/2002
4,6-Dinitro-2-methylphenol	ND	2.1		mg/Kg-dry	1	6/29/2002
2,4-Dinitrophenol	ND	2.1		mg/Kg-dry	1	6/29/2002
2,4-Dinitrotoluene	ND	0.33		mg/Kg-dry	1	6/29/2002
2,6-Dinitrotoluene	ND	0.33		mg/Kg-dry	1	6/29/2002
Di-n-octyl phthalate	ND	0.44		mg/Kg-dry	1	6/29/2002
Hexachlorobenzene	ND	0.44		mg/Kg-dry	1	6/29/2002
Hexachlorobutadiene	ND	0.44		mg/Kg-dry	1	6/29/2002
Hexachlorocyclopentadiene	ND	0.44		mg/Kg-dry	1	6/29/2002
Hexachloroethane	ND	0.44		mg/Kg-dry	1	6/29/2002
Isophorone	ND	0.44		mg/Kg-dry	1	6/29/2002
2-Methylnaphthalene	ND	0.44		mg/Kg-dry	1	6/29/2002
2-Methylphenol	ND	0.44		mg/Kg-dry	1	6/29/2002
4-Methylphenol	ND	0.44		mg/Kg-dry	1	6/29/2002
2-Nitroaniline	ND	2.1		mg/Kg-dry	1	6/29/2002

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AIHA Environmental Lead and Industrial Hygiene ACCREDITED LABORATORY

Date Reported: July 01, 2002

Date Printed: July 01, 2002

Client: Burns & McDonnell
Lab Order: 0206122
Project: 29168, Hawthorne Parcel 1
Lab ID: 0206122-006

Client Sample ID: ~~HAS SP06 001~~ HAS SP06B 001 JAK 7/31/02
Collection Date: 6/17/2002 4:00:00 PM
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		**SW8270C**		Prep Date: **6/27/2002**		Analyst: **JF**
3-Nitroaniline	ND	2.1		mg/Kg-dry	1	6/29/2002
4-Nitroaniline	ND	2.1		mg/Kg-dry	1	6/29/2002
Nitrobenzene	ND	0.44		mg/Kg-dry	1	6/29/2002
2-Nitrophenol	ND	2.1		mg/Kg-dry	1	6/29/2002
4-Nitrophenol	ND	2.1		mg/Kg-dry	1	6/29/2002
N-Nitrosodi-n-propylamine	ND	0.44		mg/Kg-dry	1	6/29/2002
N-Nitrosodiphenylamine	ND	0.44		mg/Kg-dry	1	6/29/2002
2, 2'-oxybis(1-Chloropropane)	ND	0.44		mg/Kg-dry	1	6/29/2002
Pentachlorophenol	ND	2.1		mg/Kg-dry	1	6/29/2002
Phenol	ND	0.44		mg/Kg-dry	1	6/29/2002
1,2,4-Trichlorobenzene	ND	0.44		mg/Kg-dry	1	6/29/2002
2,4,5-Trichlorophenol	ND	0.88		mg/Kg-dry	1	6/29/2002
2,4,6-Trichlorophenol	ND	0.44		mg/Kg-dry	1	6/29/2002
Volatile Organic Compounds by GC/MS		**SW5035/8260B**		Prep Date: **6/18/2002**		Analyst: **PS**
Acetone	ND	0.053		mg/Kg-dry	1	6/24/2002
Benzene	0.017	0.011		mg/Kg-dry	1	6/24/2002
Bromodichloromethane	ND	0.011		mg/Kg-dry	1	6/24/2002
Bromoform	ND	0.011		mg/Kg-dry	1	6/24/2002
Bromomethane	ND	0.021		mg/Kg-dry	1	6/24/2002
2-Butanone	ND	0.021		mg/Kg-dry	1	6/24/2002
Carbon disulfide	ND	0.011		mg/Kg-dry	1	6/24/2002
Carbon tetrachloride	ND	0.011		mg/Kg-dry	1	6/24/2002
Chlorobenzene	ND	0.011		mg/Kg-dry	1	6/24/2002
Chloroethane	ND	0.021		mg/Kg-dry	1	6/24/2002
Chloroform	ND	0.011		mg/Kg-dry	1	6/24/2002
Chloromethane	ND	0.011		mg/Kg-dry	1	6/24/2002
Dibromochloromethane	ND	0.011		mg/Kg-dry	1	6/24/2002
1,1-Dichloroethane	ND	0.011		mg/Kg-dry	1	6/24/2002
1,2-Dichloroethane	ND	0.011		mg/Kg-dry	1	6/24/2002
1,1-Dichloroethene	ND	0.011		mg/Kg-dry	1	6/24/2002
cis-1,2-Dichloroethene	ND	0.011		mg/Kg-dry	1	6/24/2002
trans-1,2-Dichloroethene	ND	0.011		mg/Kg-dry	1	6/24/2002
1,2-Dichloropropane	ND	0.011		mg/Kg-dry	1	6/24/2002
cis-1,3-Dichloropropene	ND	0.011		mg/Kg-dry	1	6/24/2002
trans-1,3-Dichloropropene	ND	0.011		mg/Kg-dry	1	6/24/2002
Ethylbenzene	ND	0.011		mg/Kg-dry	1	6/24/2002
2-Hexanone	ND	0.021		mg/Kg-dry	1	6/24/2002
4-Methyl-2-pentanone	ND	0.021		mg/Kg-dry	1	6/24/2002

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AIHA Environmental Lead and Industrial Hygiene ACCREDITED LABORATORY

Date Reported: July 01, 2002

Date Printed: July 01, 2002

Client: Burns & McDonnell
Lab Order: 0206122
Project: 29168, Hawthorne Parcel 1
Lab ID: 0206122-006

Client Sample ID: ~~HAS SP06 001 OAK~~ HAS SP06B 001 7/31/02
Collection Date: 6/17/2002 4:00:00 PM
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		**SW5035/8260B**		Prep Date: **6/18/2002**		Analyst: **PS**
Methylene chloride	ND	0.021		mg/Kg-dry	1	6/24/2002
Styrene	ND	0.011		mg/Kg-dry	1	6/24/2002
1,1,2,2-Tetrachloroethane	ND	0.011		mg/Kg-dry	1	6/24/2002
Tetrachloroethene	ND	0.011		mg/Kg-dry	1	6/24/2002
Toluene	0.014	0.011		mg/Kg-dry	1	6/24/2002
1,1,1-Trichloroethane	ND	0.011		mg/Kg-dry	1	6/24/2002
1,1,2-Trichloroethane	ND	0.011		mg/Kg-dry	1	6/24/2002
Trichloroethene	ND	0.011		mg/Kg-dry	1	6/24/2002
Vinyl chloride	ND	0.011		mg/Kg-dry	1	6/24/2002
m,p-Xylene	ND	0.011		mg/Kg-dry	1	6/24/2002
o-Xylene	ND	0.011		mg/Kg-dry	1	6/24/2002
Cyanide, Total		**SW9012A**		Prep Date: **6/20/2002**		Analyst: **YZ**
Cyanide	ND	0.34		mg/Kg-dry	1	6/26/2002
Percent Moisture		**D2216**		Prep Date: **6/24/2002**		Analyst: **PMS**
Percent Moisture	26.74	0.01		wt%	1	6/24/2002

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Date Reported: July 01, 2002

Date Printed: July 01, 2002

Client: Burns & McDonnell
Lab Order: 0206122
Project: 29168, Hawthorne Parcel 1
Lab ID: 0206122-007

Client Sample ID: ~~HAS SP06 002~~ HAS SP06B 002 JAK 7/31/02
Collection Date: 6/17/2002 4:15:00 PM
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCBs	**SW8082**			Prep Date: **6/27/2002**		Analyst: **JF**
Aroclor 1016	ND	0.093		mg/Kg-dry	1	6/28/2002
Aroclor 1221	ND	0.093		mg/Kg-dry	1	6/28/2002
Aroclor 1232	ND	0.093		mg/Kg-dry	1	6/28/2002
Aroclor 1242	ND	0.093		mg/Kg-dry	1	6/28/2002
Aroclor 1248	ND	0.093		mg/Kg-dry	1	6/28/2002
Aroclor 1254	ND	0.19		mg/Kg-dry	1	6/28/2002
Aroclor 1260	ND	0.19		mg/Kg-dry	1	6/28/2002
Mercury	**SW7471A**			Prep Date: **6/22/2002**		Analyst: **DRJ**
Mercury	ND	0.029		mg/Kg-dry	1	6/22/2002
Metals by ICP/MS	**SW6020**			Prep Date: **6/23/2002**		Analyst: **MCL**
Antimony	ND	1.2	UJ	mg/Kg-dry	10	6/27/2002
Arsenic	6.4	0.58		mg/Kg-dry	10	6/27/2002
Beryllium	ND	0.58		mg/Kg-dry	10	6/27/2002
Cadmium	ND	0.58		mg/Kg-dry	10	6/27/2002
Chromium	18	1.2		mg/Kg-dry	10	6/27/2002
Copper	29	1.2	J	mg/Kg-dry	10	6/27/2002
Lead	18	0.58		mg/Kg-dry	10	6/27/2002
Nickel	30	1.2		mg/Kg-dry	10	6/27/2002
Selenium	ND	1.2		mg/Kg-dry	10	6/27/2002
Silver	ND	1.2		mg/Kg-dry	10	6/27/2002
Thallium	ND	1.2		mg/Kg-dry	10	6/27/2002
Zinc	44	5.8	J	mg/Kg-dry	10	6/27/2002
Polynuclear Aromatic Hydrocarbons	**SW8270(SIM)**			Prep Date: **6/27/2002**		Analyst: **VS**
Acenaphthene	ND	0.031		mg/Kg-dry	1	6/27/2002
Acenaphthylene	ND	0.031		mg/Kg-dry	1	6/27/2002
Anthracene	ND	0.031		mg/Kg-dry	1	6/27/2002
Benz(a)anthracene	ND	0.031		mg/Kg-dry	1	6/27/2002
Benzo(b)fluoranthene	ND	0.031		mg/Kg-dry	1	6/27/2002
Benzo(k)fluoranthene	ND	0.031		mg/Kg-dry	1	6/27/2002
Benzo(g,h,i)perylene	ND	0.031		mg/Kg-dry	1	6/27/2002
Benzo(a)pyrene	ND	0.031		mg/Kg-dry	1	6/27/2002
Chrysene	ND	0.031		mg/Kg-dry	1	6/27/2002
Dibenz(a,h)anthracene	ND	0.031		mg/Kg-dry	1	6/27/2002
Fluoranthene	ND	0.031		mg/Kg-dry	1	6/27/2002
Fluorene	ND	0.031		mg/Kg-dry	1	6/27/2002
Indeno(1,2,3-cd)pyrene	ND	0.031		mg/Kg-dry	1	6/27/2002
Naphthalene	0.053	0.031		mg/Kg-dry	1	6/27/2002

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J = estimated value; poor MS/MSD recovery. JAK U=Non-detect. JAK

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AIHA Environmental Lead and Industrial Hygiene ACCREDITED LABORATORY

Date Reported: July 01, 2002

Date Printed: July 01, 2002

Client: Burns & McDonnell
Lab Order: 0206122
Project: 29168, Hawthorne Parcel I
Lab ID: 0206122-007

Client Sample ID: ~~HAS SP06 002~~ HAS SP06B 002 JAK 7/31/02
Collection Date: 6/17/2002 4:15:00 PM
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Polynuclear Aromatic Hydrocarbons		**SW8270(SIM)**		Prep Date: **6/27/2002**		Analyst: **VS**
Phenanthrene	ND	0.031		mg/Kg-dry	1	6/27/2002
Pyrene	ND	0.031		mg/Kg-dry	1	6/27/2002
Semivolatile Organic Compounds by GC/MS		**SW8270C**		Prep Date: **6/27/2002**		Analyst: **JF**
Bis(2-chloroethoxy)methane	ND	0.4		mg/Kg-dry	1	6/28/2002
Bis(2-chloroethyl)ether	ND	0.4		mg/Kg-dry	1	6/28/2002
Bis(2-ethylhexyl)phthalate	ND	0.4		mg/Kg-dry	1	6/28/2002
4-Bromophenyl phenyl ether	ND	0.4		mg/Kg-dry	1	6/28/2002
Butyl benzyl phthalate	ND	0.4		mg/Kg-dry	1	6/28/2002
Carbazole	ND	0.4		mg/Kg-dry	1	6/28/2002
4-Chloro-3-methylphenol	ND	0.4		mg/Kg-dry	1	6/28/2002
4-Chloroaniline	ND	0.4		mg/Kg-dry	1	6/28/2002
2-Chloronaphthalene	ND	0.4		mg/Kg-dry	1	6/28/2002
2-Chlorophenol	ND	0.4		mg/Kg-dry	1	6/28/2002
4-Chlorophenyl phenyl ether	ND	0.4		mg/Kg-dry	1	6/28/2002
Dibenzofuran	ND	0.4		mg/Kg-dry	1	6/28/2002
1,2-Dichlorobenzene	ND	0.4		mg/Kg-dry	1	6/28/2002
1,3-Dichlorobenzene	ND	0.4		mg/Kg-dry	1	6/28/2002
1,4-Dichlorobenzene	ND	0.4		mg/Kg-dry	1	6/28/2002
3,3'-Dichlorobenzidine	ND	0.81		mg/Kg-dry	1	6/28/2002
2,4-Dichlorophenol	ND	0.4		mg/Kg-dry	1	6/28/2002
Diethyl phthalate	ND	0.4		mg/Kg-dry	1	6/28/2002
Dimethyl phthalate	ND	0.4		mg/Kg-dry	1	6/28/2002
Di-n-butyl phthalate	ND	0.4		mg/Kg-dry	1	6/28/2002
2,4-Dimethylphenol	ND	0.4		mg/Kg-dry	1	6/28/2002
4,6-Dinitro-2-methylphenol	ND	2		mg/Kg-dry	1	6/28/2002
2,4-Dinitrophenol	ND	2		mg/Kg-dry	1	6/28/2002
2,4-Dinitrotoluene	ND	0.31		mg/Kg-dry	1	6/28/2002
2,6-Dinitrotoluene	ND	0.31		mg/Kg-dry	1	6/28/2002
Di-n-octyl phthalate	ND	0.4		mg/Kg-dry	1	6/28/2002
Hexachlorobenzene	ND	0.4		mg/Kg-dry	1	6/28/2002
Hexachlorobutadiene	ND	0.4		mg/Kg-dry	1	6/28/2002
Hexachlorocyclopentadiene	ND	0.4		mg/Kg-dry	1	6/28/2002
Hexachloroethane	ND	0.4		mg/Kg-dry	1	6/28/2002
Isophorone	ND	0.4		mg/Kg-dry	1	6/28/2002
2-Methylnaphthalene	ND	0.4		mg/Kg-dry	1	6/28/2002
2-Methylphenol	ND	0.4		mg/Kg-dry	1	6/28/2002
4-Methylphenol	ND	0.4		mg/Kg-dry	1	6/28/2002
2-Nitroaniline	ND	2		mg/Kg-dry	1	6/28/2002

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Date Reported: July 01, 2002

Date Printed: July 01, 2002

Client: Burns & McDonnell
Lab Order: 0206122
Project: 29168, Hawthorne Parcel 1
Lab ID: 0206122-007

Client Sample ID: ~~HAS SP06 002~~ HAS SP06B 002 JAK 7/31/02
Collection Date: 6/17/2002 4:15:00 PM
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		**SW8270C**		Prep Date: **6/27/2002**		Analyst: **JF**
3-Nitroaniline	ND	2		mg/Kg-dry	1	6/28/2002
4-Nitroaniline	ND	2		mg/Kg-dry	1	6/28/2002
Nitrobenzene	ND	0.4		mg/Kg-dry	1	6/28/2002
2-Nitrophenol	ND	2		mg/Kg-dry	1	6/28/2002
4-Nitrophenol	ND	2		mg/Kg-dry	1	6/28/2002
N-Nitrosodi-n-propylamine	ND	0.4		mg/Kg-dry	1	6/28/2002
N-Nitrosodiphenylamine	ND	0.4		mg/Kg-dry	1	6/28/2002
2, 2'-oxybis(1-Chloropropane)	ND	0.4		mg/Kg-dry	1	6/28/2002
Pentachlorophenol	ND	2		mg/Kg-dry	1	6/28/2002
Phenol	ND	0.4		mg/Kg-dry	1	6/28/2002
1,2,4-Trichlorobenzene	ND	0.4		mg/Kg-dry	1	6/28/2002
2,4,5-Trichlorophenol	ND	0.81		mg/Kg-dry	1	6/28/2002
2,4,6-Trichlorophenol	ND	0.4		mg/Kg-dry	1	6/28/2002
Volatile Organic Compounds by GC/MS		**SW5035/8260B**		Prep Date: **6/18/2002**		Analyst: **PS**
Acetone	0.073	0.059		mg/Kg-dry	1	6/24/2002
Benzene	0.045	0.012		mg/Kg-dry	1	6/24/2002
Bromodichloromethane	ND	0.012		mg/Kg-dry	1	6/24/2002
Bromoform	ND	0.012		mg/Kg-dry	1	6/24/2002
Bromomethane	ND	0.024		mg/Kg-dry	1	6/24/2002
2-Butanone	ND	0.024		mg/Kg-dry	1	6/24/2002
Carbon disulfide	ND	0.012		mg/Kg-dry	1	6/24/2002
Carbon tetrachloride	ND	0.012		mg/Kg-dry	1	6/24/2002
Chlorobenzene	ND	0.012		mg/Kg-dry	1	6/24/2002
Chloroethane	ND	0.024		mg/Kg-dry	1	6/24/2002
Chloroform	ND	0.012		mg/Kg-dry	1	6/24/2002
Chloromethane	ND	0.012		mg/Kg-dry	1	6/24/2002
Dibromochloromethane	ND	0.012		mg/Kg-dry	1	6/24/2002
1,1-Dichloroethane	ND	0.012		mg/Kg-dry	1	6/24/2002
1,2-Dichloroethane	ND	0.012		mg/Kg-dry	1	6/24/2002
1,1-Dichloroethene	ND	0.012		mg/Kg-dry	1	6/24/2002
cis-1,2-Dichloroethene	ND	0.012		mg/Kg-dry	1	6/24/2002
trans-1,2-Dichloroethene	ND	0.012		mg/Kg-dry	1	6/24/2002
1,2-Dichloropropane	ND	0.012		mg/Kg-dry	1	6/24/2002
cis-1,3-Dichloropropene	ND	0.012		mg/Kg-dry	1	6/24/2002
trans-1,3-Dichloropropene	ND	0.012		mg/Kg-dry	1	6/24/2002
Ethylbenzene	ND	0.012		mg/Kg-dry	1	6/24/2002
2-Hexanone	ND	0.024		mg/Kg-dry	1	6/24/2002
4-Methyl-2-pentanone	ND	0.024		mg/Kg-dry	1	6/24/2002

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Lab Order: 0206122
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Lab ID: 0206122-007

Client Sample ID: ~~HAS SP06 002~~ HAS SP06 B 002 JAK 7/31/02
Collection Date: 6/17/2002 4:15:00 PM
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		**SW5035/8260B**		Prep Date: **6/18/2002**		Analyst: **PS**
Methylene chloride	ND	0.024		mg/Kg-dry	1	6/24/2002
Styrene	ND	0.012		mg/Kg-dry	1	6/24/2002
1,1,2,2-Tetrachloroethane	ND	0.012		mg/Kg-dry	1	6/24/2002
Tetrachloroethene	ND	0.012		mg/Kg-dry	1	6/24/2002
Toluene	ND	0.012		mg/Kg-dry	1	6/24/2002
1,1,1-Trichloroethane	ND	0.012		mg/Kg-dry	1	6/24/2002
1,1,2-Trichloroethane	ND	0.012		mg/Kg-dry	1	6/24/2002
Trichloroethene	ND	0.012		mg/Kg-dry	1	6/24/2002
Vinyl chloride	ND	0.012		mg/Kg-dry	1	6/24/2002
m,p-Xylene	ND	0.012		mg/Kg-dry	1	6/24/2002
o-Xylene	ND	0.012		mg/Kg-dry	1	6/24/2002
Cyanide, Total		**SW9012A**		Prep Date: **6/21/2002**		Analyst: **YZ**
Cyanide	ND	0.31		mg/Kg-dry	1	6/26/2002
Percent Moisture		**D2216**		Prep Date: **6/24/2002**		Analyst: **PMS**
Percent Moisture	18.08	0.01		wt%	1	6/24/2002

Qualifiers:

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J - Analyte detected below quanititation limits
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R - RPD outside accepted recovery limits
E - Value above quantitation range

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AIHA Environmental Lead and Industrial Hygiene ACCREDITED LABORATORY

Date Reported: July 01, 2002
Date Printed: July 01, 2002

Client: Burns & McDonnell
Lab Order: 0206122
Project: 29168, Hawthorne Parcel 1
Lab ID: 0206122-008

Client Sample ID: HAS SP07 001
Collection Date: 6/17/2002 4:35:00 PM
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCBs	**SW8082**			Prep Date: **6/27/2002**		Analyst: **JF**
Aroclor 1016	ND	0.095		mg/Kg-dry	1	6/28/2002
Aroclor 1221	ND	0.095		mg/Kg-dry	1	6/28/2002
Aroclor 1232	ND	0.095		mg/Kg-dry	1	6/28/2002
Aroclor 1242	ND	0.095		mg/Kg-dry	1	6/28/2002
Aroclor 1248	ND	0.095		mg/Kg-dry	1	6/28/2002
Aroclor 1254	ND	0.19		mg/Kg-dry	1	6/28/2002
Aroclor 1260	ND	0.19		mg/Kg-dry	1	6/28/2002
Mercury	**SW7471A**			Prep Date: **6/22/2002**		Analyst: **DRJ**
Mercury	2.5	0.57		mg/Kg-dry	20	6/22/2002
Metals by ICP/MS	**SW6020**			Prep Date: **6/23/2002**		Analyst: **MCL**
Antimony	ND	1.2	VJ	mg/Kg-dry	10	6/27/2002
Arsenic	9.7	0.59		mg/Kg-dry	10	6/27/2002
Beryllium	ND	0.59		mg/Kg-dry	10	6/27/2002
Cadmium	ND	0.59		mg/Kg-dry	10	6/27/2002
Chromium	17	1.2		mg/Kg-dry	10	6/27/2002
Copper	31	1.2	J	mg/Kg-dry	10	6/27/2002
Lead	53	0.59	J	mg/Kg-dry	10	6/27/2002
Nickel	31	1.2	J	mg/Kg-dry	10	6/27/2002
Selenium	ND	1.2		mg/Kg-dry	10	6/27/2002
Silver	ND	1.2		mg/Kg-dry	10	6/27/2002
Thallium	ND	1.2		mg/Kg-dry	10	6/27/2002
Zinc	60	5.9		mg/Kg-dry	10	6/27/2002
Polynuclear Aromatic Hydrocarbons	**SW8270(SIM)**			Prep Date: **6/27/2002**		Analyst: **VS**
Acenaphthene	0.22	0.03		mg/Kg-dry	1	6/28/2002
Acenaphthylene	1.1	0.3		mg/Kg-dry	10	6/28/2002
Anthracene	0.45	0.3		mg/Kg-dry	10	6/28/2002
Benz(a)anthracene	1.8	0.3		mg/Kg-dry	10	6/28/2002
Benzo(b)fluoranthene	2.1	0.3		mg/Kg-dry	10	6/28/2002
Benzo(k)fluoranthene	2	0.3		mg/Kg-dry	10	6/28/2002
Benzo(g,h,i)perylene	0.92	0.3		mg/Kg-dry	10	6/28/2002
Benzo(a)pyrene	1.8	0.3		mg/Kg-dry	10	6/28/2002
Chrysene	2.2	0.3		mg/Kg-dry	10	6/28/2002
Dibenz(a,h)anthracene	0.46	0.3		mg/Kg-dry	10	6/28/2002
Fluoranthene	1.9	0.3		mg/Kg-dry	10	6/28/2002
Fluorene	0.22	0.03		mg/Kg-dry	1	6/28/2002
Indeno(1,2,3-cd)pyrene	0.86	0.3		mg/Kg-dry	10	6/28/2002
Naphthalene	0.13	0.03		mg/Kg-dry	1	6/28/2002

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R - RPD outside accepted recovery limits
E - Value above quantitation range

J- estimated value: poor MS/MSD recovery JAK U = Non-detect. JAK

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AIHA Environmental Lead and Industrial Hygiene ACCREDITED LABORATORY

Date Reported: July 01, 2002
Date Printed: July 01, 2002

Client: Burns & McDonnell
Lab Order: 0206122
Project: 29168, Hawthorne Parcel 1
Lab ID: 0206122-008

Client Sample ID: HAS SP07 001
Collection Date: 6/17/2002 4:35:00 PM
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Polynuclear Aromatic Hydrocarbons		**SW8270(SIM)**		Prep Date: **6/27/2002**		Analyst: **VS**
Phenanthrene	0.42	0.3		mg/Kg-dry	10	6/28/2002
Pyrene	2.9	0.3		mg/Kg-dry	10	6/28/2002
Semivolatile Organic Compounds by GC/MS		**SW8270C**		Prep Date: **6/27/2002**		Analyst: **JF**
Bis(2-chloroethoxy)methane	ND	0.4		mg/Kg-dry	1	6/29/2002
Bis(2-chloroethyl)ether	ND	0.4		mg/Kg-dry	1	6/29/2002
Bis(2-ethylhexyl)phthalate	ND	0.4		mg/Kg-dry	1	6/29/2002
4-Bromophenyl phenyl ether	ND	0.4		mg/Kg-dry	1	6/29/2002
Butyl benzyl phthalate	ND	0.4		mg/Kg-dry	1	6/29/2002
Carbazole	ND	0.4		mg/Kg-dry	1	6/29/2002
4-Chloro-3-methylphenol	ND	0.4		mg/Kg-dry	1	6/29/2002
4-Chloroaniline	ND	0.4		mg/Kg-dry	1	6/29/2002
2-Chloronaphthalene	ND	0.4		mg/Kg-dry	1	6/29/2002
2-Chlorophenol	ND	0.4		mg/Kg-dry	1	6/29/2002
4-Chlorophenyl phenyl ether	ND	0.4		mg/Kg-dry	1	6/29/2002
Dibenzofuran	ND	0.4		mg/Kg-dry	1	6/29/2002
1,2-Dichlorobenzene	ND	0.4		mg/Kg-dry	1	6/29/2002
1,3-Dichlorobenzene	ND	0.4		mg/Kg-dry	1	6/29/2002
1,4-Dichlorobenzene	ND	0.4		mg/Kg-dry	1	6/29/2002
3,3'-Dichlorobenzidine	ND	0.8		mg/Kg-dry	1	6/29/2002
2,4-Dichlorophenol	ND	0.4		mg/Kg-dry	1	6/29/2002
Diethyl phthalate	ND	0.4		mg/Kg-dry	1	6/29/2002
Dimethyl phthalate	ND	0.4		mg/Kg-dry	1	6/29/2002
Di-n-butyl phthalate	ND	0.4		mg/Kg-dry	1	6/29/2002
2,4-Dimethylphenol	ND	0.4		mg/Kg-dry	1	6/29/2002
4,6-Dinitro-2-methylphenol	ND	1.9		mg/Kg-dry	1	6/29/2002
2,4-Dinitrophenol	ND	1.9		mg/Kg-dry	1	6/29/2002
2,4-Dinitrotoluene	ND	0.3		mg/Kg-dry	1	6/29/2002
2,6-Dinitrotoluene	ND	0.3		mg/Kg-dry	1	6/29/2002
Di-n-octyl phthalate	ND	0.4		mg/Kg-dry	1	6/29/2002
Hexachlorobenzene	ND	0.4		mg/Kg-dry	1	6/29/2002
Hexachlorobutadiene	ND	0.4		mg/Kg-dry	1	6/29/2002
Hexachlorocyclopentadiene	ND	0.4		mg/Kg-dry	1	6/29/2002
Hexachloroethane	ND	0.4		mg/Kg-dry	1	6/29/2002
Isophorone	ND	0.4		mg/Kg-dry	1	6/29/2002
2-Methylnaphthalene	ND	0.4		mg/Kg-dry	1	6/29/2002
2-Methylphenol	ND	0.4		mg/Kg-dry	1	6/29/2002
4-Methylphenol	ND	0.4		mg/Kg-dry	1	6/29/2002
2-Nitroaniline	ND	1.9		mg/Kg-dry	1	6/29/2002

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AIHA Environmental Lead and Industrial Hygiene ACCREDITED LABORATORY

Date Reported: July 01, 2002
Date Printed: July 01, 2002

Client: Burns & McDonnell
Lab Order: 0206122
Project: 29168, Hawthorne Parcel 1
Lab ID: 0206122-008

Client Sample ID: HAS SP07 001
Collection Date: 6/17/2002 4:35:00 PM
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		**SW8270C**		Prep Date: **6/27/2002**		Analyst: **JF**
3-Nitroaniline	ND	1.9		mg/Kg-dry	1	6/29/2002
4-Nitroaniline	ND	1.9		mg/Kg-dry	1	6/29/2002
Nitrobenzene	ND	0.4		mg/Kg-dry	1	6/29/2002
2-Nitrophenol	ND	1.9		mg/Kg-dry	1	6/29/2002
4-Nitrophenol	ND	1.9		mg/Kg-dry	1	6/29/2002
N-Nitrosodi-n-propylamine	ND	0.4		mg/Kg-dry	1	6/29/2002
N-Nitrosodiphenylamine	ND	0.4		mg/Kg-dry	1	6/29/2002
2, 2'-oxybis(1-Chloropropane)	ND	0.4		mg/Kg-dry	1	6/29/2002
Pentachlorophenol	ND	1.9		mg/Kg-dry	1	6/29/2002
Phenol	ND	0.4		mg/Kg-dry	1	6/29/2002
1,2,4-Trichlorobenzene	ND	0.4		mg/Kg-dry	1	6/29/2002
2,4,5-Trichlorophenol	ND	0.8		mg/Kg-dry	1	6/29/2002
2,4,6-Trichlorophenol	ND	0.4		mg/Kg-dry	1	6/29/2002
Volatile Organic Compounds by GC/MS		**SW5035/8260B**		Prep Date: **6/18/2002**		Analyst: **PS**
Acetone	0.16	0.09		mg/Kg-dry	1	6/25/2002
Benzene	ND	0.018		mg/Kg-dry	1	6/25/2002
Bromodichloromethane	ND	0.018		mg/Kg-dry	1	6/25/2002
Bromoform	ND	0.018		mg/Kg-dry	1	6/25/2002
Bromomethane	ND	0.036		mg/Kg-dry	1	6/25/2002
2-Butanone	0.066	0.036		mg/Kg-dry	1	6/25/2002
Carbon disulfide	ND	0.018		mg/Kg-dry	1	6/25/2002
Carbon tetrachloride	ND	0.018		mg/Kg-dry	1	6/25/2002
Chlorobenzene	ND	0.018		mg/Kg-dry	1	6/25/2002
Chloroethane	ND	0.036		mg/Kg-dry	1	6/25/2002
Chloroform	ND	0.018		mg/Kg-dry	1	6/25/2002
Chloromethane	ND	0.018		mg/Kg-dry	1	6/25/2002
Dibromochloromethane	ND	0.018		mg/Kg-dry	1	6/25/2002
1,1-Dichloroethane	ND	0.018		mg/Kg-dry	1	6/25/2002
1,2-Dichloroethane	ND	0.018		mg/Kg-dry	1	6/25/2002
1,1-Dichloroethene	ND	0.018		mg/Kg-dry	1	6/25/2002
cis-1,2-Dichloroethene	ND	0.018		mg/Kg-dry	1	6/25/2002
trans-1,2-Dichloroethene	ND	0.018		mg/Kg-dry	1	6/25/2002
1,2-Dichloropropane	ND	0.018		mg/Kg-dry	1	6/25/2002
cis-1,3-Dichloropropene	ND	0.018		mg/Kg-dry	1	6/25/2002
trans-1,3-Dichloropropene	ND	0.018		mg/Kg-dry	1	6/25/2002
Ethylbenzene	ND	0.018		mg/Kg-dry	1	6/25/2002
2-Hexanone	ND	0.036		mg/Kg-dry	1	6/25/2002
4-Methyl-2-pentanone	ND	0.036		mg/Kg-dry	1	6/25/2002

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AIHA Environmental Lead and Industrial Hygiene ACCREDITED LABORATORY

Date Reported: July 01, 2002
Date Printed: July 01, 2002

Client: Burns & McDonnell
Lab Order: 0206122
Project: 29168, Hawthorne Parcel 1
Lab ID: 0206122-008

Client Sample ID: HAS SP07 001
Collection Date: 6/17/2002 4:35:00 PM
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		**SW5035/8260B**		Prep Date: **6/18/2002**		Analyst: **PS**
Methylene chloride	ND	0.036		mg/Kg-dry	1	6/25/2002
Styrene	ND	0.018		mg/Kg-dry	1	6/25/2002
1,1,2,2-Tetrachloroethane	ND	0.018		mg/Kg-dry	1	6/25/2002
Tetrachloroethene	ND	0.018		mg/Kg-dry	1	6/25/2002
Toluene	ND	0.018		mg/Kg-dry	1	6/25/2002
1,1,1-Trichloroethane	ND	0.018		mg/Kg-dry	1	6/25/2002
1,1,2-Trichloroethane	ND	0.018		mg/Kg-dry	1	6/25/2002
Trichloroethene	ND	0.018		mg/Kg-dry	1	6/25/2002
Vinyl chloride	ND	0.018		mg/Kg-dry	1	6/25/2002
m,p-Xylene	ND	0.018		mg/Kg-dry	1	6/25/2002
o-Xylene	ND	0.018		mg/Kg-dry	1	6/25/2002
Cyanide, Total		**SW9012A**		Prep Date: **6/21/2002**		Analyst: **YZ**
Cyanide	ND	0.3		mg/Kg-dry	1	6/26/2002
Percent Moisture		**D2216**		Prep Date: **6/24/2002**		Analyst: **PMS**
Percent Moisture	17.36	0.01		wt%	1	6/24/2002

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
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* - Value exceeds Maximum Contaminant Level
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Date Reported: July 01, 2002
Date Printed: July 01, 2002

Client: Burns & McDonnell
Lab Order: 0206122
Project: 29168, Hawthorne Parcel I
Lab ID: 0206122-009

Client Sample ID: HAS SP07 002
Collection Date: 6/17/2002 5:00:00 PM
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCBs	**SW8082**			Prep Date: **6/27/2002**		Analyst: **JF**
Aroclor 1016	ND	0.1		mg/Kg-dry	1	6/28/2002
Aroclor 1221	ND	0.1		mg/Kg-dry	1	6/28/2002
Aroclor 1232	ND	0.1		mg/Kg-dry	1	6/28/2002
Aroclor 1242	ND	0.1		mg/Kg-dry	1	6/28/2002
Aroclor 1248	ND	0.1		mg/Kg-dry	1	6/28/2002
Aroclor 1254	ND	0.21		mg/Kg-dry	1	6/28/2002
Aroclor 1260	ND	0.21		mg/Kg-dry	1	6/28/2002
Mercury	**SW7471A**			Prep Date: **6/22/2002**		Analyst: **DRJ**
Mercury	0.8	0.032		mg/Kg-dry	1	6/22/2002
Metals by ICP/MS	**SW6020**			Prep Date: **6/23/2002**		Analyst: **MCL**
Antimony	ND	1.2	UJ	mg/Kg-dry	10	6/27/2002
Arsenic	6	0.62		mg/Kg-dry	10	6/27/2002
Beryllium	ND	0.62		mg/Kg-dry	10	6/27/2002
Cadmium	ND	0.62		mg/Kg-dry	10	6/27/2002
Chromium	17	1.2		mg/Kg-dry	10	6/27/2002
Copper	41	1.2	J	mg/Kg-dry	10	6/27/2002
Lead	37	0.62		mg/Kg-dry	10	6/27/2002
Nickel	20	1.2		mg/Kg-dry	10	6/27/2002
Selenium	ND	1.2		mg/Kg-dry	10	6/27/2002
Silver	ND	1.2		mg/Kg-dry	10	6/27/2002
Thallium	ND	1.2		mg/Kg-dry	10	6/27/2002
Zinc	81	6.2	J	mg/Kg-dry	10	6/27/2002
Polynuclear Aromatic Hydrocarbons	**SW8270(SIM)**			Prep Date: **6/27/2002**		Analyst: **VS**
Acenaphthene	0.2	0.033		mg/Kg-dry	1	6/28/2002
Acenaphthylene	0.073	0.033		mg/Kg-dry	1	6/28/2002
Anthracene	1.5	0.33		mg/Kg-dry	10	6/28/2002
Benz(a)anthracene	4.3	0.33		mg/Kg-dry	10	6/28/2002
Benzo(b)fluoranthene	3.7	0.33		mg/Kg-dry	10	6/28/2002
Benzo(k)fluoranthene	3.4	0.33		mg/Kg-dry	10	6/28/2002
Benzo(g,h,i)perylene	0.9	0.33		mg/Kg-dry	10	6/28/2002
Benzo(a)pyrene	3.8	0.33		mg/Kg-dry	10	6/28/2002
Chrysene	4.3	0.33		mg/Kg-dry	10	6/28/2002
Dibenz(a,h)anthracene	0.42	0.33		mg/Kg-dry	10	6/28/2002
Fluoranthene	11	3.3		mg/Kg-dry	100	6/28/2002
Fluorene	0.21	0.033		mg/Kg-dry	1	6/28/2002
Indeno(1,2,3-cd)pyrene	1	0.33		mg/Kg-dry	10	6/28/2002
Naphthalene	ND	0.033		mg/Kg-dry	1	6/28/2002

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

J = estimated value; poor MS/MSD recovery. JAK U = Non-detect. JAK

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AIHA Environmental Lead and Industrial Hygiene ACCREDITED LABORATORY

Date Reported: July 01, 2002
Date Printed: July 01, 2002

Client: Burns & McDonnell
Lab Order: 0206122
Project: 29168, Hawthorne Parcel 1
Lab ID: 0206122-009

Client Sample ID: HAS SP07 002
Collection Date: 6/17/2002 5:00:00 PM
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Polynuclear Aromatic Hydrocarbons		**SW8270(SIM)**		Prep Date: **6/27/2002**		Analyst: **VS**
Phenanthrene	2.8	0.33		mg/Kg-dry	10	6/28/2002
Pyrene	9.4	3.3		mg/Kg-dry	100	6/28/2002
Semivolatile Organic Compounds by GC/MS		**SW8270C**		Prep Date: **6/27/2002**		Analyst: **JF**
Bis(2-chloroethoxy)methane	ND	0.43		mg/Kg-dry	1	6/28/2002
Bis(2-chloroethyl)ether	ND	0.43		mg/Kg-dry	1	6/28/2002
Bis(2-ethylhexyl)phthalate	ND	0.43		mg/Kg-dry	1	6/28/2002
4-Bromophenyl phenyl ether	ND	0.43		mg/Kg-dry	1	6/28/2002
Butyl benzyl phthalate	ND	0.43		mg/Kg-dry	1	6/28/2002
Carbazole	0.48	0.43		mg/Kg-dry	1	6/28/2002
4-Chloro-3-methylphenol	ND	0.43		mg/Kg-dry	1	6/28/2002
4-Chloroaniline	ND	0.43		mg/Kg-dry	1	6/28/2002
2-Chloronaphthalene	ND	0.43		mg/Kg-dry	1	6/28/2002
2-Chlorophenol	ND	0.43		mg/Kg-dry	1	6/28/2002
4-Chlorophenyl phenyl ether	ND	0.43		mg/Kg-dry	1	6/28/2002
Dibenzofuran	ND	0.43		mg/Kg-dry	1	6/28/2002
1,2-Dichlorobenzene	ND	0.43		mg/Kg-dry	1	6/28/2002
1,3-Dichlorobenzene	ND	0.43		mg/Kg-dry	1	6/28/2002
1,4-Dichlorobenzene	ND	0.43		mg/Kg-dry	1	6/28/2002
3,3'-Dichlorobenzidine	ND	0.87		mg/Kg-dry	1	6/28/2002
2,4-Dichlorophenol	ND	0.43		mg/Kg-dry	1	6/28/2002
Diethyl phthalate	ND	0.43		mg/Kg-dry	1	6/28/2002
Dimethyl phthalate	ND	0.43		mg/Kg-dry	1	6/28/2002
Di-n-butyl phthalate	ND	0.43		mg/Kg-dry	1	6/28/2002
2,4-Dimethylphenol	ND	0.43		mg/Kg-dry	1	6/28/2002
4,6-Dinitro-2-methylphenol	ND	2.1		mg/Kg-dry	1	6/28/2002
2,4-Dinitrophenol	ND	2.1		mg/Kg-dry	1	6/28/2002
2,4-Dinitrotoluene	ND	0.33		mg/Kg-dry	1	6/28/2002
2,6-Dinitrotoluene	ND	0.33		mg/Kg-dry	1	6/28/2002
Di-n-octyl phthalate	ND	0.43		mg/Kg-dry	1	6/28/2002
Hexachlorobenzene	ND	0.43		mg/Kg-dry	1	6/28/2002
Hexachlorobutadiene	ND	0.43		mg/Kg-dry	1	6/28/2002
Hexachlorocyclopentadiene	ND	0.43		mg/Kg-dry	1	6/28/2002
Hexachloroethane	ND	0.43		mg/Kg-dry	1	6/28/2002
Isophorone	ND	0.43		mg/Kg-dry	1	6/28/2002
2-Methylnaphthalene	ND	0.43		mg/Kg-dry	1	6/28/2002
2-Methylphenol	ND	0.43		mg/Kg-dry	1	6/28/2002
4-Methylphenol	ND	0.43		mg/Kg-dry	1	6/28/2002
2-Nitroaniline	ND	2.1		mg/Kg-dry	1	6/28/2002

Qualifiers:
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R - RPD outside accepted recovery limits
E - Value above quantitation range

STAT Analysis Corporation
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Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATanalysis.com

NVLAP

AIHA Environmental Lead and Industrial Hygiene ACCREDITED LABORATORY

Date Reported: July 01, 2002
Date Printed: July 01, 2002

Client: Burns & McDonnell
Lab Order: 0206122
Project: 29168, Hawthorne Parcel 1
Lab ID: 0206122-009

Client Sample ID: HAS SP07 002
Collection Date: 6/17/2002 5:00:00 PM
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		**SW8270C**		Prep Date: **6/27/2002**		Analyst: **JF**
3-Nitroaniline	ND	2.1		mg/Kg-dry	1	6/28/2002
4-Nitroaniline	ND	2.1		mg/Kg-dry	1	6/28/2002
Nitrobenzene	ND	0.43		mg/Kg-dry	1	6/28/2002
2-Nitrophenol	ND	2.1		mg/Kg-dry	1	6/28/2002
4-Nitrophenol	ND	2.1		mg/Kg-dry	1	6/28/2002
N-Nitrosodi-n-propylamine	ND	0.43		mg/Kg-dry	1	6/28/2002
N-Nitrosodiphenylamine	ND	0.43		mg/Kg-dry	1	6/28/2002
2, 2'-oxybis(1-Chloropropane)	ND	0.43		mg/Kg-dry	1	6/28/2002
Pentachlorophenol	ND	2.1		mg/Kg-dry	1	6/28/2002
Phenol	ND	0.43		mg/Kg-dry	1	6/28/2002
1,2,4-Trichlorobenzene	ND	0.43		mg/Kg-dry	1	6/28/2002
2,4,5-Trichlorophenol	ND	0.87		mg/Kg-dry	1	6/28/2002
2,4,6-Trichlorophenol	ND	0.43		mg/Kg-dry	1	6/28/2002
Volatile Organic Compounds by GC/MS		**SW5035/8260B**		Prep Date: **6/18/2002**		Analyst: **PS**
Acetone	0.16	0.099		mg/Kg-dry	1	6/25/2002
Benzene	ND	0.02		mg/Kg-dry	1	6/25/2002
Bromodichloromethane	ND	0.02		mg/Kg-dry	1	6/25/2002
Bromoform	ND	0.02		mg/Kg-dry	1	6/25/2002
Bromomethane	ND	0.039		mg/Kg-dry	1	6/25/2002
2-Butanone	0.075	0.039		mg/Kg-dry	1	6/25/2002
Carbon disulfide	ND	0.02		mg/Kg-dry	1	6/25/2002
Carbon tetrachloride	ND	0.02		mg/Kg-dry	1	6/25/2002
Chlorobenzene	ND	0.02		mg/Kg-dry	1	6/25/2002
Chloroethane	ND	0.039		mg/Kg-dry	1	6/25/2002
Chloroform	ND	0.02		mg/Kg-dry	1	6/25/2002
Chloromethane	ND	0.02		mg/Kg-dry	1	6/25/2002
Dibromochloromethane	ND	0.02		mg/Kg-dry	1	6/25/2002
1,1-Dichloroethane	ND	0.02		mg/Kg-dry	1	6/25/2002
1,2-Dichloroethane	ND	0.02		mg/Kg-dry	1	6/25/2002
1,1-Dichloroethene	ND	0.02		mg/Kg-dry	1	6/25/2002
cis-1,2-Dichloroethene	ND	0.02		mg/Kg-dry	1	6/25/2002
trans-1,2-Dichloroethene	ND	0.02		mg/Kg-dry	1	6/25/2002
1,2-Dichloropropane	ND	0.02		mg/Kg-dry	1	6/25/2002
cis-1,3-Dichloropropene	ND	0.02		mg/Kg-dry	1	6/25/2002
trans-1,3-Dichloropropene	ND	0.02		mg/Kg-dry	1	6/25/2002
Ethylbenzene	ND	0.02		mg/Kg-dry	1	6/25/2002
2-Hexanone	ND	0.039		mg/Kg-dry	1	6/25/2002
4-Methyl-2-pentanone	ND	0.039		mg/Kg-dry	1	6/25/2002

Qualifiers:
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R - RPD outside accepted recovery limits
E - Value above quantitation range

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NVLAP

AIHA Environmental Lead and Industrial Hygiene ACCREDITED LABORATORY

Date Reported: July 01, 2002

Date Printed: July 01, 2002

Client: Burns & McDonnell
Lab Order: 0206122
Project: 29168, Hawthorne Parcel 1
Lab ID: 0206122-009

Client Sample ID: HAS SP07 002
Collection Date: 6/17/2002 5:00:00 PM
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		**SW5035/8260B**		Prep Date: **6/18/2002**		Analyst: **PS**
Methylene chloride	ND	0.039		mg/Kg-dry	1	6/25/2002
Styrene	ND	0.02		mg/Kg-dry	1	6/25/2002
1,1,2,2-Tetrachloroethane	ND	0.02		mg/Kg-dry	1	6/25/2002
Tetrachloroethene	ND	0.02		mg/Kg-dry	1	6/25/2002
Toluene	ND	0.02		mg/Kg-dry	1	6/25/2002
1,1,1-Trichloroethane	ND	0.02		mg/Kg-dry	1	6/25/2002
1,1,2-Trichloroethane	ND	0.02		mg/Kg-dry	1	6/25/2002
Trichloroethene	ND	0.02		mg/Kg-dry	1	6/25/2002
Vinyl chloride	ND	0.02		mg/Kg-dry	1	6/25/2002
m,p-Xylene	ND	0.02		mg/Kg-dry	1	6/25/2002
o-Xylene	ND	0.02		mg/Kg-dry	1	6/25/2002
Cyanide, Total		**SW9012A**		Prep Date: **6/21/2002**		Analyst: **YZ**
Cyanide	ND	0.33		mg/Kg-dry	1	6/26/2002
Percent Moisture		**D2216**		Prep Date: **6/24/2002**		Analyst: **PMS**
Percent Moisture	23.99	0.01		wt%	1	6/24/2002

Qualifiers:

ND - Not Detected at the Reporting Limit
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E - Value above quantitation range

Date: 01-Jul-02

STAT Analysis Corporation

QC SUMMARY REPORT
SURROGATE RECOVERIES

CLIENT: Burns & McDonnell
Work Order: 0206122
Project: 29168, Hawthorne Parcel 1
Test No: SW5035/8260B **Matrix:**

Sample ID	BR4FBZ	BZMED8	DBFM	DCA12D4			
VSTD050	105	96.9	105	97.0			
VBLK062402-2	110	99.9	104	102			
VLCS062402-2	107	97.6	103	94.5			
0206122-005A	112	99.8	102	98.2			
0206122-005AMS	102	99.6	102	98.2			
0206122-005AMSD	104	98.9	99.4	95.6			
0206122-002A	85.1	92.1	104	110			
0206122-004A	100	95.9	101	101			
VSTD050	107	98.1	99.2	96.3			
VBLK062502-2	110	99.0	101	98.4			
VLCS062502-2	103	98.8	103	95.0			
0206122-002A:200	108	97.5	98.5	98.7			
0206122-002AMS	103	99.1	100	98.5			
0206122-002AMSD	101	97.6	101	96.0			
0206122-001A	101	101	104	107			
0206122-001A:50	113	99.7	97.2	95.2			
0206122-008A	101	96.0	103	96.6			
0206122-009A	103	98.3	104	98.4			
0206122-003A	86.6	90.8	109	109			
VSTD050r	113	99.0	107	99.6			
VBLK062402-3	90.3	97.0	107	111			
VLCSD062402-3	103	98.5	109	96.5			
0206122-003AR	53.9 *	109	107	112			
0206122-006A	77.3	94.3	105	118			
0206122-007A	66.0	91.1	101	108			

Acronym		Surrogate	QC Limits
BR4FBZ	=	4-Bromofluorobenzene	59-113
BZMED8	=	Toluene-d8	81-117
DBFM	=	Dibromofluoromethane	70-121
DCA12D4	=	1,2-Dichloroethane-d4	70-121

* Surrogate recovery outside acceptance limits

STAT Analysis Corporation Date: 01-Jul-02

CLIENT: Burns & McDonnell
Work Order: 0206122
Project: 29168, Hawthorne Parcel 1
Test No: SW8270C Matrix:

QC SUMMARY REPORT
SURROGATE RECOVERIES

Sample ID	CLPH2D4	DCBZ12D4	NO2BZD5	PH246BR	PH2F	PHD5	PHEN2F	PHEND14
MB-3136-SVOC	78.9	67.7	70.6	90.8	70.0	79.6	75.2	76.7
LCS-3136-SVOC	86.7	75.3	82.0	98.2	79.3	89.6	83.5	80.3
MB-3140-SVOC	79.3	68.1	73.3	88.9	71.2	81.7	73.0	74.4
LCS-3140-SVOC	68.7	58.9	65.7	82.5	61.5	73.6	66.4	71.2
0206122-003B	88.2	76.4	83.0	96.5	78.3	88.2	83.7	75.8
0206122-007B	111	97.3	105	119	102	111	104	89.5
0206122-009B	103	87.3	97.1	121	93.0	103	91.6	87.2
0206107-005BMS	86.1	66.5	87.7	85.7	73.8	92.1	76.2	72.6
0206107-005BMSD	75.0	58.3	75.7	77.8	63.6	81.1	68.0	70.7
0206107-003BMS	71.3	62.8	78.7	83.9	59.6	78.3	73.1	72.5
0206107-003BMSD	80.9	72.2	89.1	90.4	68.4	87.4	82.3	75.4
0206122-002B	91.4	92.4	125 *	53.6	61.0	81.2	101	83.6
0206122-001B	86.0	75.2	100	76.5	74.1	86.2	84.3	113
0206122-004B	100	85.2	109	103	84.7	98.0	96.4	83.1
0206122-005B	91.2	75.6	95.1	101	76.8	91.5	85.5	82.3
0206122-008B	83.4	67.0	88.6	92.8	66.4	83.2	81.9	78.6
0206122-006B	90.1	75.7	99.9	93.6	76.8	87.0	84.1	73.6
MB-3147-SVOC	83.2	70.8	81.2	81.8	71.3	83.7	78.7	68.9
LCS-3147-SVOC	76.0	64.1	75.7	82.3	63.3	81.0	72.7	66.4
0206134-001BMS	74.5	60.8	75.4	84.8	60.1	80.9	73.4	69.9
0206134-001BMSD	81.8	67.9	83.7	89.5	67.4	87.0	79.1	71.5
0206134-011BMS	81.8	67.7	86.4	88.4	66.9	86.2	76.5	70.8
0206134-011BMSD	81.5	68.6	86.8	82.3	65.7	85.6	75.5	67.6

Acronym		Surrogate	QC Limits
CLPH2D4	=	2-Chlorophenol-d4	20-130
DCBZ12D4	=	1,2-Dichlorobenzene-d4	20-130
NO2BZD5	=	Nitrobenzene-d5	23-120
PH246BR	=	2,4,6-Tribromophenol	19-122
PH2F	=	2-Fluorophenol	25-121
PHD5	=	Phenol-d5	24-113
PHEN2F	=	2-Fluorobiphenyl	30-115
PHEND14	=	4-Terphenyl-d14	18-137

*** Surrogate recovery outside acceptance limits**

STAT Analysis Corporation

PREP BATCH REPORT

Prep Start Date: **6/27/2002 1:13:21 P**
Prep End Date:

Prep Batch **3136** Prep Code: **3550_SVOC** Technician: **PG**

Prep Factor Units: **mL / Kg**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
MB-3136-SVOC			0.03	0	0	1	33.333	6/27/2002	6/27/2002
LCS-3136-SVOC			0.03	0	0	1	33.333	6/27/2002	6/27/2002
0206107-003BMS	Soil		0.03096	0	0	1	32.300	6/27/2002	6/27/2002
0206107-003BMSD	Soil		0.03132	0	0	1	31.928	6/27/2002	6/27/2002
0206107-004B	Soil		0.0315	0	0	1	31.746	6/27/2002	6/27/2002
0206107-005B	Soil		0.03022	0	0	1	33.091	6/27/2002	6/27/2002
0206107-005BMS	Soil		0.03125	0	0	1	32.000	6/27/2002	6/27/2002
0206107-005BMSD	Soil		0.03071	0	0	1	32.563	6/27/2002	6/27/2002
0206107-006B	Soil		0.03028	0	0	1	33.025	6/27/2002	6/27/2002
0206107-007B	Soil		0.03118	0	0	1	32.072	6/27/2002	6/27/2002
0206107-008B	Soil		0.03068	0	0	1	32.595	6/27/2002	6/27/2002
0206122-001B	Soil		0.03072	0	0	1	32.552	6/27/2002	6/27/2002
0206122-002B	Soil		0.0315	0	0	1	31.746	6/27/2002	6/27/2002
0206122-003B	Soil		0.03072	0	0	1	32.552	6/27/2002	6/27/2002
0206122-004B	Soil		0.03077	0	0	1	32.499	6/27/2002	6/27/2002
0206122-005B	Soil		0.03039	0	0	1	32.906	6/27/2002	6/27/2002
0206100-017B	Soil		0.03076	0	0	1	32.510	6/27/2002	6/27/2002
0206100-018B	Soil		0.0304	0	0	1	32.895	6/27/2002	6/27/2002
0206100-019B	Soil		0.03097	0	0	1	32.289	6/27/2002	6/27/2002
0206100-020B	Soil		0.03022	0	0	1	33.091	6/27/2002	6/27/2002
0206100-021B	Soil		0.03122	0	0	1	32.031	6/27/2002	6/27/2002
0206100-022B	Soil		0.03199	0	0	1	31.260	6/27/2002	6/27/2002
0206100-023B	Soil		0.03028	0	0	1	33.025	6/27/2002	6/27/2002
0206107-001B	Soil		0.03027	0	0	1	33.036	6/27/2002	6/27/2002
0206107-002B	Soil		0.03118	0	0	1	32.072	6/27/2002	6/27/2002

STAT Analysis Corporation

PREP BATCH REPORT

Prep Start Date: **6/27/2002 1:13:21 P**
Prep End Date:

Prep Batch **3136** Prep Code: **3550_SVOC** Technician: **PG**

Prep Factor Units: **mL / Kg**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
0206107-003B	Soil		0.03052	0	0	1	32.765	6/27/2002	6/27/2002

STAT Analysis Corporation

PREP BATCH REPORT

Prep Start Date: **6/27/2002 4:04:03 P**
Prep End Date:

Prep Batch **3140** Prep Code: **3550_SVOC** Technician: **CDM**

Prep Factor Units:
mL / Kg

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
MB-3140-SVOC			0.03	0	0	1	33.333	6/27/2002	6/27/2002
LCS-3140-SVOC			0.03	0	0	1	33.333	6/27/2002	6/27/2002
0206122-006B	Soil		0.03017	0	0	1	33.146	6/27/2002	6/27/2002
0206122-007B	Soil		0.03	0	0	1	33.333	6/27/2002	6/27/2002
0206122-008B	Soil		0.03001	0	0	1	33.322	6/27/2002	6/27/2002
0206122-009B	Soil		0.03011	0	0	1	33.212	6/27/2002	6/27/2002

STAT Analysis Corporation Date: 01-Jul-02

CLIENT: Burns & McDonnell
Work Order: 0206122
Project: 29168, Hawthorne Parcel 1
Test No: SW8270(SIM) Matrix:

QC SUMMARY REPORT
SURROGATE RECOVERIES

Sample ID	DCBZ12D4	NO2BZD5	PHEN2F	PHEND14			
MB-3129-PNA	78.0	81.2	99.2	119			
LCS-3129-PNA	69.5	82.0	114	124			
0206122-007B	64.6	77.0	61.7	74.2			
0206122-003B	61.8	72.8	63.4	89.0			
0206122-002B	62.4	77.3	59.3	130			
0206122-009B:10	53.0	48.0	65.4	91.8			
0206122-001B	55.7	78.6	103	112			
0206122-004B	67.8	73.1	65.1	98.0			
0206122-005B	64.5	70.5	56.9	84.1			
0206122-008B	58.1	63.6	56.3	94.1			
0206122-009B	51.1	54.4	43.9	62.4			
0206122-009BMS	94.4	99.2	104	142 *			
0206122-009BMSD	96.8	104	109	145 *			
0206122-006B	49.8	56.3	54.2	73.6			

Acronym		Surrogate	QC Limits
DCBZ12D4	=	1,2-Dichlorobenzene-d4	20-130
NO2BZD5	=	Nitrobenzene-d5	23-120
PHEN2F	=	2-Fluorobiphenyl	30-115
PHEND14	=	4-Terphenyl-d14	18-137

*** Surrogate recovery outside acceptance limits**

STAT Analysis Corporation

PREP BATCH REPORT

Prep Start Date: **6/27/2002 12:03:10**
Prep End Date:

Prep Batch **3129** Prep Code: **3550_PNA** Technician: **VA**

Prep Factor Units: **mL / Kg**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
MB-3129-PNA			0.03	0	0	1	33.333	6/27/2002	6/27/2002
LCS-3129-PNA			0.03	0	0	1	33.333	6/27/2002	6/27/2002
0206102-007B	Soil		0.03031	0	0	1	32.992	6/27/2002	6/27/2002
0206102-008B	Soil		0.03114	0	0	1	32.113	6/27/2002	6/27/2002
0206102-009B	Soil		0.03037	0	0	5	164.636	6/27/2002	6/27/2002
0206102-010B	Soil		0.03008	0	0	1	33.245	6/27/2002	6/27/2002
0206102-011B	Soil		0.03057	0	0	1	32.712	6/27/2002	6/27/2002
0206102-012B	Soil		0.03089	0	0	1	32.373	6/27/2002	6/27/2002
0206102-013B	Soil		0.03065	0	0	1	32.626	6/27/2002	6/27/2002
0206102-014B	Soil		0.03071	0	0	1	32.563	6/27/2002	6/27/2002
0206102-015B	Soil		0.03042	0	0	1	32.873	6/27/2002	6/27/2002
0206102-016B	Soil		0.03074	0	0	1	32.531	6/27/2002	6/27/2002
0206102-017B	Soil		0.03011	0	0	1	33.212	6/27/2002	6/27/2002
0206107-005B	Soil		0.03022	0	0	1	33.091	6/27/2002	6/27/2002
0206107-005BMS	Soil		0.03125	0	0	1	32.000	6/27/2002	6/27/2002
0206107-005BMSD	Soil		0.03071	0	0	1	32.563	6/27/2002	6/27/2002
0206122-002B	Soil		0.0315	0	0	1	31.746	6/27/2002	6/27/2002
0206122-003B	Soil		0.03072	0	0	1	32.552	6/27/2002	6/27/2002
0206122-004B	Soil		0.03077	0	0	1	32.499	6/27/2002	6/27/2002
0206122-005B	Soil		0.03039	0	0	1	32.906	6/27/2002	6/27/2002
0206122-006B	Soil		0.03017	0	0	1	33.146	6/27/2002	6/27/2002
0206122-007B	Soil		0.03	0	0	1	33.333	6/27/2002	6/27/2002
0206122-008B	Soil		0.03001	0	0	1	33.322	6/27/2002	6/27/2002
0206122-009B	Soil		0.03011	0	0	1	33.212	6/27/2002	6/27/2002
0206122-009BMS	Soil		0.03081	0	0	1	32.457	6/27/2002	6/27/2002

STAT Analysis Corporation

PREP BATCH REPORT

Prep Start Date: **6/27/2002 12:03:10**
Prep End Date:

Prep Batch **3129** Prep Code: **3550_PNA** Technician: **VA**

Prep Factor Units: **mL / Kg**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
0206122-009BMSD	Soil		0.03007	0	0	1	33.256	6/27/2002	6/27/2002
0206122-001B	Soil		0.03072	0	0	1	32.552	6/27/2002	6/27/2002

STAT Analysis Corporation

Date: 01-Jul-02

QC SUMMARY REPORT
SURROGATE RECOVERIES

CLIENT: Burns & McDonnell
Work Order: 0206122
Project: 29168, Hawthorne Parcel 1
Test No: SW8082 **Matrix:**

Sample ID	CL10BZ2	XYL2456CLM				
MB-3141-PCB	40.4	86.9				
LCS-3141-PCB	41.4	94.9				
0206122-001B	50.5	76.8				
0206122-002B	43.4	80.8				
0206122-003B	42.4	89.9				
0206122-004B	48.5	84.8				
0206122-005B	49.5	96.0				
0206122-007B	44.4	91.9				
0206122-008B	49.5	88.9				
0206122-009B	48.5	88.9				
MB-3149-PCB	92.9	88.9				
LCS-3149-PCB	90.9	85.9				
0206122-006B	79.8	99.0				
0206134-001BMS	87.9	91.9				
0206134-001BMSD	96.0	98.0				
0206134-011BMS	97.0	97.0				
0206134-011BMSD	98.0	98.0				

Acronym		Surrogate	QC Limits
CL10BZ2	=	Decachlorobiphenyl	30-150
XYL2456CLM	=	Tetrachloro-m-xylene	30-150

*** Surrogate recovery outside acceptance limits**

STAT Analysis Corporation

PREP BATCH REPORT

Prep Start Date: **6/27/2002 4:05:13 P**
Prep End Date:

Prep Batch **3141** Prep Code: **3550_PCB** Technician: **CDM**

Prep Factor Units: **mL / Kg**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
MB-3141-PCB			0.03	0	0	10	333.333	6/27/2002	6/27/2002
LCS-3141-PCB			0.03	0	0	10	333.333	6/27/2002	6/27/2002
0206122-001B	Soil		0.03127	0	0	10	319.795	6/27/2002	6/27/2002
0206122-002B	Soil		0.03022	0	0	10	330.907	6/27/2002	6/27/2002
0206122-003B	Soil		0.03044	0	0	10	328.515	6/27/2002	6/27/2002
0206122-004B	Soil		0.03035	0	0	10	329.489	6/27/2002	6/27/2002
0206122-005B	Soil		0.03127	0	0	10	319.795	6/27/2002	6/27/2002
0206122-006B	Soil		0.03143	0	0	10	318.167	6/27/2002	6/27/2002
0206122-007B	Soil		0.03135	0	0	10	318.979	6/27/2002	6/27/2002
0206122-008B	Soil		0.03065	0	0	10	326.264	6/27/2002	6/27/2002
0206122-009B	Soil		0.03026	0	0	10	330.469	6/27/2002	6/27/2002
0206182-001A	Soil		0.03094	0	0	10	323.206	6/27/2002	6/27/2002

STAT Analysis Corporation

PREP BATCH REPORT

Prep Start Date: **6/27/2002 9:04:20 A**
Prep End Date:

Prep Batch **3149** Prep Code: **3550_PCB** Technician: **CDM**

Prep Factor Units: **mL / Kg**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
MB-3149-PCB			0.03	0	0	10	333.333	6/28/2002	6/28/2002
LCS-3149-PCB			0.03	0	0	10	333.333	6/28/2002	6/28/2002
0206122-006B	Soil		0.03142	0	0	10	318.269	6/28/2002	6/28/2002
0206134-001B	Soil		0.03082	0	0	10	324.465	6/28/2002	6/28/2002
0206134-001BMS	Soil		0.03017	0	0	10	331.455	6/28/2002	6/28/2002
0206134-001BMSD	Soil		0.03171	0	0	10	315.358	6/28/2002	6/28/2002
0206134-002B	Soil		0.00311	0	0	10	3215.434	6/28/2002	6/28/2002
0206134-003B	Soil		0.03032	0	0	10	329.815	6/28/2002	6/28/2002
0206134-004B	Soil		0.00321	0	0	10	3115.265	6/28/2002	6/28/2002
0206134-005B	Soil		0.03149	0	0	10	317.561	6/28/2002	6/28/2002
0206134-006B	Soil		0.03137	0	0	10	318.776	6/28/2002	6/28/2002
0206134-007B	Soil		0.03077	0	0	10	324.992	6/28/2002	6/28/2002
0206134-008B	Soil		0.03064	0	0	10	326.371	6/28/2002	6/28/2002
0206134-009B	Soil		0.03146	0	0	10	317.864	6/28/2002	6/28/2002
0206134-010B	Soil		0.03101	0	0	10	322.477	6/28/2002	6/28/2002
0206134-011B	Soil		0.03056	0	0	10	327.225	6/28/2002	6/28/2002
0206134-011BMS	Soil		0.03048	0	0	10	328.084	6/28/2002	6/28/2002
0206134-011BMSD	Soil		0.03076	0	0	10	325.098	6/28/2002	6/28/2002
0206134-012B	Soil		0.03051	0	0	10	327.761	6/28/2002	6/28/2002
0206134-013B	Soil		0.03061	0	0	10	326.691	6/28/2002	6/28/2002
0206134-014B	Soil		0.03051	0	0	10	327.761	6/28/2002	6/28/2002
0206134-015B	Soil		0.03104	0	0	10	322.165	6/28/2002	6/28/2002
0206134-016B	Soil		0.03087	0	0	10	323.939	6/28/2002	6/28/2002
0206134-017B	Soil		0.03059	0	0	10	326.904	6/28/2002	6/28/2002

STAT Analysis Corporation

PREP BATCH REPORT

Prep Start Date: **6/23/2002 9:40:00 A**
Prep End Date: **6/23/2002 1:45:00 P**

Prep Batch **3070** Prep Code: **M_S_PREP** Technician: **ASM**

Prep Factor Units: **mL / g**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
IMBS1 06/23/02			1	0	0	50	50.000	6/23/2002	6/23/2002
ILCSS1 06/23/02			1	0	0	50	50.000	6/23/2002	6/23/2002
ILCSDS1 06/23/02			1	0	0	50	50.000	6/23/2002	6/23/2002
ISLCS1 06/23/02			0.543	0	0	50	92.081	6/23/2002	6/23/2002
0206070-021B	Soil		1.061	0	0	50	47.125	6/23/2002	6/23/2002
0206070-022B	Soil		1.058	0	0	50	47.259	6/23/2002	6/23/2002
0206070-023B	Soil		1.04	0	0	50	48.077	6/23/2002	6/23/2002
0206070-022BMS	Soil		1.039	0	0	50	48.123	6/23/2002	6/23/2002
0206070-022BMSD	Soil		1.042	0	0	50	47.985	6/23/2002	6/23/2002
0206084-001B	Soil		1.047	0	0	50	47.755	6/23/2002	6/23/2002
0206084-001BMS	Soil		1.082	0	0	50	46.211	6/23/2002	6/23/2002
0206084-001BMSD	Soil		1.043	0	0	50	47.939	6/23/2002	6/23/2002
0206084-002B	Soil		1.061	0	0	50	47.125	6/23/2002	6/23/2002
0206084-003B	Soil		1.065	0	0	50	46.948	6/23/2002	6/23/2002
0206084-005B	Soil		1.045	0	0	50	47.847	6/23/2002	6/23/2002
0206084-006B	Soil		1.085	0	0	50	46.083	6/23/2002	6/23/2002
0206122-001B	Soil		1.057	0	0	50	47.304	6/23/2002	6/23/2002
0206122-002B	Soil		1.045	0	0	50	47.847	6/23/2002	6/23/2002
0206122-003B	Soil		1.046	0	0	50	47.801	6/23/2002	6/23/2002
0206122-004B	Soil		1.047	0	0	50	47.755	6/23/2002	6/23/2002
0206122-005B	Soil		1.069	0	0	50	46.773	6/23/2002	6/23/2002
0206122-006B	Soil		1.105	0	0	50	45.249	6/23/2002	6/23/2002
0206122-007B	Soil		1.053	0	0	50	47.483	6/23/2002	6/23/2002
0206122-008B	Soil		1.034	0	0	50	48.356	6/23/2002	6/23/2002
0206122-009B	Soil		1.058	0	0	50	47.259	6/23/2002	6/23/2002

STAT Analysis Corporation

PREP BATCH REPORT

Prep Start Date: **6/23/2002 9:40:00 A**
Prep End Date: **6/23/2002 1:45:00 P**

Prep Batch **3070** Prep Code: **M_S_PREP** Technician: **ASM**

Prep Factor Units: **mL / g**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
0206159-001B	Soil		1.053	0	0	50	47.483	6/23/2002	6/23/2002

STAT Analysis Corporation

PREP BATCH REPORT

Prep Start Date: **6/22/2002 11:40:00**
Prep End Date: **6/22/2002 12:10:00**

Prep Batch **3060** Prep Code: **M_HG_S_PRE** Technician: **JG**

Prep Factor Units: **mL / g**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
HGMBS1 06/22/02			0.3	0	0	30	100.000	6/22/2002	6/22/2002
HGLCSS1 06/22/02			0.3	0	0	30	100.000	6/22/2002	6/22/2002
HGLCSDS1 06/22/02			0.3	0	0	30	100.000	6/22/2002	6/22/2002
HGSLCS1 06/22/02			0.317	0	0	30	94.637	6/22/2002	6/22/2002
0206106-001B	Soil		0.322	0	0	30	93.168	6/22/2002	6/22/2002
0206106-002B	Soil		0.312	0	0	30	96.154	6/22/2002	6/22/2002
0206106-003B	Soil		0.312	0	0	30	96.154	6/22/2002	6/22/2002
0206106-004B	Soil		0.316	0	0	30	94.937	6/22/2002	6/22/2002
0206106-005B	Soil		0.32	0	0	30	93.750	6/22/2002	6/22/2002
0206106-006B	Soil		0.313	0	0	30	95.847	6/22/2002	6/22/2002
0206106-007B	Soil		0.317	0	0	30	94.637	6/22/2002	6/22/2002
0206116-001A	Soil		0.322	0	0	30	93.168	6/22/2002	6/22/2002
0206116-002B	Soil		0.313	0	0	30	95.847	6/22/2002	6/22/2002
0206116-003B	Soil		0.303	0	0	30	99.010	6/22/2002	6/22/2002
0206116-004A	Soil		0.31	0	0	30	96.774	6/22/2002	6/22/2002
0206122-001B	Soil		0.326	0	0	30	92.025	6/22/2002	6/22/2002
0206122-002B	Soil		0.317	0	0	30	94.637	6/22/2002	6/22/2002
0206122-003B	Soil		0.304	0	0	30	98.684	6/22/2002	6/22/2002
0206122-004B	Soil		0.322	0	0	30	93.168	6/22/2002	6/22/2002
0206122-005B	Soil		0.312	0	0	30	96.154	6/22/2002	6/22/2002
0206122-006B	Soil		0.321	0	0	30	93.458	6/22/2002	6/22/2002
0206122-007B	Soil		0.315	0	0	30	95.238	6/22/2002	6/22/2002
0206122-008B	Soil		0.32	0	0	30	93.750	6/22/2002	6/22/2002
0206122-009B	Soil		0.31	0	0	30	96.774	6/22/2002	6/22/2002
0206122-007BMS	Soil		0.322	0	0	30	93.168	6/22/2002	6/22/2002

STAT Analysis Corporation

PREP BATCH REPORT

Prep Start Date: **6/22/2002 11:40:00**
Prep End Date: **6/22/2002 12:10:00**

Prep Batch **3060** Prep Code: **M_HG_S_PRE** Technician: **JG**

Prep Factor Units: **mL / g**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
0206122-007BMSD	Soil		0.327	0	0	30	91.743	6/22/2002	6/22/2002

STAT Analysis Corporation

PREP BATCH REPORT

Prep Start Date: **6/20/2002 7:00:00 A**
Prep End Date: **6/20/2002 2:00:00 P**

Prep Batch **3066** Prep Code: **TCNPREP_S** Technician: **CT**

Prep Factor Units: **mL / g**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
TCNMBS1 062002			1	0	0	50	50.000	6/20/2002	6/20/2002
TCNLCSS1 062002			1	0	0	50	50.000	6/20/2002	6/20/2002
TCNLCSDS1 062002			1	0	0	50	50.000	6/20/2002	6/20/2002
0206107-003B	Soil		1.01	0	0	50	49.505	6/20/2002	6/20/2002
0206107-003BMS	Soil		1	0	0	50	50.000	6/20/2002	6/20/2002
0206107-003BMSD	Soil		1.02	0	0	50	49.020	6/20/2002	6/20/2002
0206110-009B	Sediment		1.02	0	0	50	49.020	6/20/2002	6/20/2002
0206110-010B	Sediment		1.01	0	0	50	49.505	6/20/2002	6/20/2002
0206110-011B	Sediment		1.01	0	0	50	49.505	6/20/2002	6/20/2002
0206110-012B	Sediment		1	0	0	50	50.000	6/20/2002	6/20/2002
0206110-013B	Sediment		1.02	0	0	50	49.020	6/20/2002	6/20/2002
0206110-014B	Sediment		1.01	0	0	50	49.505	6/20/2002	6/20/2002
0206111-001B	Sediment		1.02	0	0	50	49.020	6/20/2002	6/20/2002
0206111-002B	Sediment		1.01	0	0	50	49.505	6/20/2002	6/20/2002
0206111-003B	Sediment		1.02	0	0	50	49.020	6/20/2002	6/20/2002
0206111-004B	Sediment		1.02	0	0	50	49.020	6/20/2002	6/20/2002
0206111-005B	Sediment		1	0	0	50	50.000	6/20/2002	6/20/2002
0206111-006B	Sediment		1.01	0	0	50	49.505	6/20/2002	6/20/2002
0206111-007B	Sediment		1.01	0	0	50	49.505	6/20/2002	6/20/2002
0206111-008B	Sediment		1.01	0	0	50	49.505	6/20/2002	6/20/2002
0206111-009B	Sediment		1.02	0	0	50	49.020	6/20/2002	6/20/2002
0206111-010B	Sediment		1.01	0	0	50	49.505	6/20/2002	6/20/2002
0206122-001B	Soil		1	0	0	50	50.000	6/20/2002	6/20/2002
0206122-002B	Soil		1	0	0	50	50.000	6/20/2002	6/20/2002
0206122-003B	Soil		1	0	0	50	50.000	6/20/2002	6/20/2002

STAT Analysis Corporation

PREP BATCH REPORT

Prep Start Date: **6/20/2002 7:00:00 A**
Prep End Date: **6/28/2002 10:52:12**

Prep Batch **3108** Prep Code: **TCNPREP_S** Technician: **CT**

Prep Factor Units: **mL / g**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
TCNMBS1 062002			1	0	0	50	50.000	6/20/2002	6/20/2002
TCNLCSS1 062002			1	0	0	50	50.000	6/20/2002	6/20/2002
TCNLCSDS1 062002			1	0	0	50	50.000	6/20/2002	6/20/2002
0206107-005B	Soil		1	0	0	50	50.000	6/20/2002	6/20/2002
0206107-005BMS	Soil		1	0	0	50	50.000	6/20/2002	6/20/2002
0206107-005BMSD	Soil		1.01	0	0	50	49.505	6/20/2002	6/20/2002
0206122-004B	Soil		1.01	0	0	50	49.505	6/20/2002	6/20/2002
0206122-005B	Soil		1.01	0	0	50	49.505	6/20/2002	6/20/2002
0206122-006B	Soil		1	0	0	50	50.000	6/20/2002	6/20/2002
0206127-001B	Soil		1.02	0	0	50	49.020	6/20/2002	6/20/2002
0206127-002B	Soil		1	0	0	50	50.000	6/20/2002	6/20/2002
0206127-003B	Soil		1.02	0	0	50	49.020	6/20/2002	6/20/2002
0206127-004B	Soil		1.01	0	0	50	49.505	6/20/2002	6/20/2002
0206127-005B	Soil		1	0	0	50	50.000	6/20/2002	6/20/2002
0206127-006B	Soil		1.01	0	0	50	49.505	6/20/2002	6/20/2002
0206127-007B	Soil		1	0	0	50	50.000	6/20/2002	6/20/2002
0206127-008B	Soil		1	0	0	50	50.000	6/20/2002	6/20/2002
0206127-009B	Soil		1.01	0	0	50	49.505	6/20/2002	6/20/2002
0206127-010B	Soil		1.01	0	0	50	49.505	6/20/2002	6/20/2002
0206127-011B	Soil		1.01	0	0	50	49.505	6/20/2002	6/20/2002
0206127-012B	Soil		1.01	0	0	50	49.505	6/20/2002	6/20/2002
0206127-013B	Soil		1	0	0	50	50.000	6/20/2002	6/20/2002
0206127-014B	Soil		1	0	0	50	50.000	6/20/2002	6/20/2002
0206127-015B	Soil		1.01	0	0	50	49.505	6/20/2002	6/20/2002
0206127-016B	Soil		1	0	0	50	50.000	6/20/2002	6/20/2002

STAT Analysis Corporation

PREP BATCH REPORT

Prep Start Date: **6/21/2002 12:25:01**
Prep End Date: **6/28/2002 10:52:02**

Prep Batch **3109** Prep Code: **TCNPREP_S** Technician: **CT**

Prep Factor Units: **mL / g**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
TCNMBS1 062102			1	0	0	50	50.000	6/21/2002	6/21/2002
TCNLCSS1 062102			1	0	0	50	50.000	6/21/2002	6/21/2002
TCNLCSDS1 062102			1	0	0	50	50.000	6/21/2002	6/21/2002
0206122-007B	Soil		1	0	0	50	50.000	6/21/2002	6/21/2002
0206122-008B	Soil		1	0	0	50	50.000	6/21/2002	6/21/2002
0206122-009B	Soil		1.01	0	0	50	49.505	6/21/2002	6/21/2002
0206127-017B	Soil		1	0	0	50	50.000	6/21/2002	6/21/2002
0206127-018B	Soil		1	0	0	50	50.000	6/21/2002	6/21/2002
0206127-019B	Soil		1	0	0	50	50.000	6/21/2002	6/21/2002
0206127-020B	Soil		1	0	0	50	50.000	6/21/2002	6/21/2002
0206127-021B	Soil		1.02	0	0	50	49.020	6/21/2002	6/21/2002
0206127-022B	Soil		1.01	0	0	50	49.505	6/21/2002	6/21/2002
0206127-023B	Soil		1	0	0	50	50.000	6/21/2002	6/21/2002
0206127-024B	Soil		1.02	0	0	50	49.020	6/21/2002	6/21/2002
0206127-025B	Soil		1	0	0	50	50.000	6/21/2002	6/21/2002
0206127-026B	Soil		1.01	0	0	50	49.505	6/21/2002	6/21/2002
0206134-002B	Soil		1.01	0	0	50	49.505	6/21/2002	6/21/2002
0206134-003B	Soil		1	0	0	50	50.000	6/21/2002	6/21/2002
0206134-004B	Soil		1.01	0	0	50	49.505	6/21/2002	6/21/2002
0206134-005B	Soil		1.01	0	0	50	49.505	6/21/2002	6/21/2002
0206134-006B	Soil		1.01	0	0	50	49.505	6/21/2002	6/21/2002
0206134-007B	Soil		1.01	0	0	50	49.505	6/21/2002	6/21/2002
0206134-008B	Soil		1.02	0	0	50	49.020	6/21/2002	6/21/2002
0206122-007BMS	Soil		1	0	0	50	50.000	6/21/2002	6/21/2002
0206122-007BMSD	Soil		1	0	0	50	50.000	6/21/2002	6/21/2002

STAT Analysis Corporation

Date: *July 01, 2002*

CLIENT: Burns & McDonnell
Work Order: 0206122
Project: 29168, Hawthorne Parcel 1

ANALYTICAL QC SUMMARY REPORT

BatchID: 3141

Sample ID: **MB-3141-PCB** SampType: **MBLK** TestCode: **PCB_SOIL** Units: **mg/Kg** Prep Date: **6/27/2002** Run ID: **GC-ECD_020627A**
Client ID: **ZZZZZ** Batch ID: **3141** TestNo: **SW8082** Analysis Date: **6/28/2002** SeqNo: **73825**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	0.080									
Aroclor 1221	ND	0.080									
Aroclor 1232	ND	0.080									
Aroclor 1242	ND	0.080									
Aroclor 1248	ND	0.080									
Aroclor 1254	ND	0.16									
Aroclor 1260	ND	0.16									

Sample ID: **LCS-3141-PCB** SampType: **LCS** TestCode: **PCB_SOIL** Units: **mg/Kg** Prep Date: **6/27/2002** Run ID: **GC-ECD_020627A**
Client ID: **ZZZZZ** Batch ID: **3141** TestNo: **SW8082** Analysis Date: **6/28/2002** SeqNo: **73826**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	0.3038	0.080	0.333	0	91.2	30	150	0	0		
Aroclor 1260	0.2367	0.16	0.333	0	71.1	30	150	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Burns & McDonnell
Work Order: 0206122
Project: 29168, Hawthorne Parcel 1

ANALYTICAL QC SUMMARY REPORT

BatchID: 3149

Sample ID: MB-3149-PCB | SampType: MBLK | TestCode: PCB_SOIL | Units: mg/Kg | Prep Date: 6/28/2002 | Run ID: GC-ECD_020628A
Client ID: ZZZZZ | Batch ID: 3149 | TestNo: SW8082 | Analysis Date: 6/28/2002 | SeqNo: 74620

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	0.080									
Aroclor 1221	ND	0.080									
Aroclor 1232	ND	0.080									
Aroclor 1242	ND	0.080									
Aroclor 1248	ND	0.080									
Aroclor 1254	ND	0.16									
Aroclor 1260	ND	0.16									

Sample ID: LCS-3149-PCB | SampType: LCS | TestCode: PCB_SOIL | Units: mg/Kg | Prep Date: 6/28/2002 | Run ID: GC-ECD_020628A
Client ID: ZZZZZ | Batch ID: 3149 | TestNo: SW8082 | Analysis Date: 6/28/2002 | SeqNo: 74621

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	0.3031	0.080	0.333	0	91	30	150	0	0		
Aroclor 1260	0.214	0.16	0.333	0	64.3	30	150	0	0		

Sample ID: 0206134-001BMS | SampType: MS | TestCode: PCB_SOIL | Units: mg/Kg-dry | Prep Date: 6/28/2002 | Run ID: GC-ECD_020628A
Client ID: ZZZZZ | Batch ID: 3149 | TestNo: SW8082 | Analysis Date: 6/28/2002 | SeqNo: 74624

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	0.3646	0.097	0.4043	0	90.2	30	150	0	0		
Aroclor 1260	0.2343	0.19	0.4043	0	58	30	150	0	0		

Sample ID: 0206134-011BMS | SampType: MS | TestCode: PCB_SOIL | Units: mg/Kg-dry | Prep Date: 6/28/2002 | Run ID: GC-ECD_020628A
Client ID: ZZZZZ | Batch ID: 3149 | TestNo: SW8082 | Analysis Date: 6/29/2002 | SeqNo: 74644

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	0.3687	0.095	0.396	0	93.1	30	150	0	0		
Aroclor 1260	0.3688	0.19	0.396	0	93.1	30	150	0	0		

Qualifiers:
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J - Analyte detected below quantitation limits
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R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Burns & McDonnell
Work Order: 0206122
Project: 29168, Hawthorne Parcel 1

ANALYTICAL QC SUMMARY REPORT

BatchID: 3149

Sample ID: **0206134-001BMSD** SampType: **MSD** TestCode: **PCB_SOIL** Units: **mg/Kg-dry** Prep Date: **6/28/2002** Run ID: **GC-ECD_020628A**
Client ID: **ZZZZZ** Batch ID: **3149** TestNo: **SW8082** Analysis Date: **6/29/2002** SeqNo: **74625**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	0.3562	0.092	0.3847	0	92.6	30	150	0.3646	2.35	25	
Aroclor 1260	0.2581	0.18	0.3847	0	67.1	30	150	0.2343	9.64	25	

Sample ID: **0206134-011BMSD** SampType: **MSD** TestCode: **PCB_SOIL** Units: **mg/Kg-dry** Prep Date: **6/28/2002** Run ID: **GC-ECD_020628A**
Client ID: **ZZZZZ** Batch ID: **3149** TestNo: **SW8082** Analysis Date: **6/29/2002** SeqNo: **74645**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	0.3732	0.094	0.3924	0	95.1	30	150	0.3687	1.21	25	
Aroclor 1260	0.3775	0.19	0.3924	0	96.2	30	150	0.3688	2.34	25	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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CLIENT: Burns & McDonnell
Work Order: 0206122
Project: 29168, Hawthorne Parcel 1

ANALYTICAL QC SUMMARY REPORT

BatchID: 3060

Sample ID: HGMBS1 06/22/02 SampType: MBLK TestCode: M_HG_SOLI Units: mg/Kg Prep Date: 6/22/2002 Run ID: CETAC_020622A
Client ID: ZZZZZ Batch ID: 3060 TestNo: SW7471A Analysis Date: 6/22/2002 SeqNo: 71529

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.025									

Sample ID: HGLCSS1 06/22/02 SampType: LCS TestCode: M_HG_SOLI Units: mg/Kg Prep Date: 6/22/2002 Run ID: CETAC_020622A
Client ID: ZZZZZ Batch ID: 3060 TestNo: SW7471A Analysis Date: 6/22/2002 SeqNo: 71530

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.23	0.025	0.25	0	92	80	120	0	0		

Sample ID: HGLCSDS1 06/22/02 SampType: LCSD TestCode: M_HG_SOLI Units: mg/Kg Prep Date: 6/22/2002 Run ID: CETAC_020622A
Client ID: ZZZZZ Batch ID: 3060 TestNo: SW7471A Analysis Date: 6/22/2002 SeqNo: 71531

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.234	0.025	0.25	0	93.6	80	120	0.23	1.72	20	

Sample ID: 0206122-007BMS SampType: MS TestCode: M_HG_SOLI Units: mg/Kg-dry Prep Date: 6/22/2002 Run ID: CETAC_020622A
Client ID: HAS SP06 002 Batch ID: 3060 TestNo: SW7471A Analysis Date: 6/22/2002 SeqNo: 71555

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.2752	0.028	0.2843	0.02286	87	75	125	0	0		

Sample ID: 0206122-007BMSD SampType: MSD TestCode: M_HG_SOLI Units: mg/Kg-dry Prep Date: 6/22/2002 Run ID: CETAC_020622A
Client ID: HAS SP06 002 Batch ID: 3060 TestNo: SW7471A Analysis Date: 6/22/2002 SeqNo: 71556

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.2632	0.028	0.28	0.02286	84	75	125	0.2255	4.48	20	

Qualifiers:
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S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Burns & McDonnell
Work Order: 0206122
Project: 29168, Hawthorne Parcel 1

ANALYTICAL QC SUMMARY REPORT

BatchID: 3070

Sample ID: **IMBS1 06/23/02** SampType: **MBLK** TestCode: **M_ICPMS_S** Units: **mg/Kg** Prep Date: **6/23/2002** Run ID: **ICPMS_020626A**
Client ID: **ZZZZZ** Batch ID: **3070** TestNo: **SW6020** Analysis Date: **6/26/2002** SeqNo: **73099**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	0.50	0	0	0	0	0	0	0		
Arsenic	ND	0.25	0	0	0	0	0	0	0		
Beryllium	ND	0.25	0	0	0	0	0	0	0		
Cadmium	ND	0.25	0	0	0	0	0	0	0		
Chromium	ND	0.50	0	0	0	0	0	0	0		
Copper	0.255	0.50	0	0	0	0	0	0	0		J
Lead	ND	0.25	0	0	0	0	0	0	0		
Nickel	ND	0.50	0	0	0	0	0	0	0		
Selenium	ND	0.50	0	0	0	0	0	0	0		
Silver	ND	0.50	0	0	0	0	0	0	0		
Thallium	0.3015	0.50	0	0	0	0	0	0	0		J
Zinc	1.445	2.5	0	0	0	0	0	0	0		J

Sample ID: **ILCSS1 06/23/02** SampType: **LCS** TestCode: **M_ICPMS_S** Units: **mg/Kg** Prep Date: **6/23/2002** Run ID: **ICPMS_020626A**
Client ID: **ZZZZZ** Batch ID: **3070** TestNo: **SW6020** Analysis Date: **6/26/2002** SeqNo: **73098**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	23.9	0.50	25	0	95.6	80	120	0	0		
Arsenic	22.92	0.25	25	0	91.7	80	120	0	0		
Beryllium	22.34	0.25	25	0	89.3	80	120	0	0		
Cadmium	22.78	0.25	25	0	91.1	80	120	0	0		
Chromium	24.06	0.50	25	0	96.2	80	120	0	0		
Copper	23.67	0.50	25	0	94.7	80	120	0	0		
Lead	23.84	0.25	25	0	95.3	80	120	0	0		
Nickel	24.03	0.50	25	0	96.1	80	120	0	0		
Selenium	21.53	0.50	25	0	86.1	80	120	0	0		
Silver	20.12	0.50	25	0	80.5	80	120	0	0		
Thallium	22.76	0.50	25	0	91.1	80	120	0	0		
Zinc	22.1	2.5	25	0	88.4	80	120	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
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R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Burns & McDonnell
Work Order: 0206122
Project: 29168, Hawthorne Parcel 1

ANALYTICAL QC SUMMARY REPORT

BatchID: 3070

Sample ID: ILCSDS1 06/23/02 SampType: LCSD TestCode: M_ICPMS_S Units: mg/Kg Prep Date: 6/23/2002 Run ID: ICPMS_020626A
Client ID: ZZZZZ Batch ID: 3070 TestNo: SW6020 Analysis Date: 6/26/2002 SeqNo: 73101

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	23.8	0.50	25	0	95.2	80	120	0	0		
Arsenic	23.08	0.25	25	0	92.3	80	120	0	0		
Beryllium	22.2	0.25	25	0	88.8	80	120	0	0		
Cadmium	23	0.25	25	0	92	80	120	0	0		
Chromium	23.9	0.50	25	0	95.6	80	120	0	0		
Copper	23.74	0.50	25	0	94.9	80	120	0	0		
Lead	23.87	0.25	25	0	95.5	80	120	0	0		
Nickel	24.34	0.50	25	0	97.4	80	120	0	0		
Selenium	21.69	0.50	25	0	86.8	80	120	0	0		
Silver	20.18	0.50	25	0	80.7	80	120	0	0		
Thallium	22.8	0.50	25	0	91.2	80	120	0	0		
Zinc	22.28	2.5	25	0	89.1	80	120	0	0		

Sample ID: 0206084-001BMS SampType: MS TestCode: M_ICPMS_S Units: mg/Kg-dry Prep Date: 6/23/2002 Run ID: ICPMS_020625A
Client ID: ZZZZZ Batch ID: 3070 TestNo: SW6020 Analysis Date: 6/25/2002 SeqNo: 72574

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	8.453	1.0	25.96	0.7856	29.5	75	125	0	0		S
Arsenic	30.72	0.52	25.96	5.838	95.8	75	125	0	0		
Beryllium	24.05	0.52	25.96	0.462	90.9	75	125	0	0		
Cadmium	24.34	0.52	25.96	0.433	92.1	75	125	0	0		
Chromium	34.53	1.0	25.96	11.98	86.9	75	125	0	0		
Copper	36.58	1.0	25.96	15.21	82.3	75	125	0	0		
Lead	37.4	0.52	25.96	11.44	100	75	125	0	0		
Nickel	40.72	1.0	25.96	18.06	87.3	75	125	0	0		
Selenium	22.75	1.0	25.96	0	87.6	75	125	0	0		
Silver	23.32	1.0	25.96	0.1293	89.3	75	125	0	0		
Thallium	24.48	1.0	25.96	1.124	89.9	75	125	0	0		
Zinc	55.19	5.2	25.96	32.09	89	75	125	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Burns & McDonnell
Work Order: 0206122
Project: 29168, Hawthorne Parcel 1

ANALYTICAL QC SUMMARY REPORT

BatchID: 3070

Sample ID: **0206084-001BMSD** SampType: **MSD** TestCode: **M_ICPMS_S** Units: **mg/Kg-dry** Prep Date: **6/23/2002** Run ID: **ICPMS_020625A**
Client ID: **ZZZZZ** Batch ID: **3070** TestNo: **SW6020** Analysis Date: **6/25/2002** SeqNo: **72575**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	9.388	1.1	26.93	0.7856	31.9	75	125	8.453	10.5	20	S
Arsenic	32.01	0.54	26.93	5.838	97.2	75	125	30.72	4.13	20	
Beryllium	24.58	0.54	26.93	0.462	89.6	75	125	24.05	2.19	20	
Cadmium	24.38	0.54	26.93	0.433	88.9	75	125	24.34	0.176	20	
Chromium	34.59	1.1	26.93	11.98	84	75	125	34.53	0.167	20	
Copper	39.14	1.1	26.93	15.21	88.8	75	125	36.58	6.74	20	
Lead	36.93	0.54	26.93	11.44	94.7	75	125	37.4	1.27	20	
Nickel	39.82	1.1	26.93	18.06	80.8	75	125	40.72	2.24	20	
Selenium	23.34	1.1	26.93	0	86.7	75	125	22.75	2.59	20	
Silver	24.03	1.1	26.93	0.1293	88.8	75	125	23.32	3.00	20	
Thallium	25.8	1.1	26.93	1.124	91.6	75	125	24.48	5.25	20	
Zinc	58.17	5.4	26.93	32.09	96.8	75	125	55.19	5.26	20	

Sample ID: **0206084-001BPDS** SampType: **PDS** TestCode: **M_ICPMS_S** Units: **mg/Kg-dry** Prep Date: **6/23/2002** Run ID: **ICPMS_020625A**
Client ID: **ZZZZZ** Batch ID: **3070** TestNo: **SW6020** Analysis Date: **6/25/2002** SeqNo: **72578**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	24.55	1.1	26.83	0.7856	88.6	75	125	0	0		

Qualifiers:
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B - Analyte detected in the associated Method Blank

CLIENT: Burns & McDonnell
Work Order: 0206122
Project: 29168, Hawthorne Parcel 1

ANALYTICAL QC SUMMARY REPORT

BatchID: 3129

Sample ID: MB-3129-PNA | SampType: MBLK | TestCode: PNA_SOIL | Units: mg/Kg | Prep Date: 6/27/2002 | Run ID: SVOC-1_020628A
Client ID: ZZZZZ | Batch ID: 3129 | TestNo: SW8270(SIM) | Analysis Date: 6/28/2002 | SeqNo: 75270

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	0.025									
Acenaphthylene	ND	0.025									
Anthracene	ND	0.025									
Benz(a)anthracene	ND	0.025									
Benzo(a)pyrene	ND	0.025									
Benzo(b)fluoranthene	ND	0.025									
Benzo(g,h,i)perylene	ND	0.025									
Benzo(k)fluoranthene	ND	0.025									
Chrysene	ND	0.025									
Dibenz(a,h)anthracene	ND	0.025									
Fluoranthene	ND	0.025									
Fluorene	ND	0.025									
Indeno(1,2,3-cd)pyrene	ND	0.025									
Naphthalene	ND	0.025									
Phenanthrene	ND	0.025									
Pyrene	ND	0.025									

Sample ID: LCS-3129-PNA | SampType: LCS | TestCode: PNA_SOIL | Units: mg/Kg | Prep Date: 6/27/2002 | Run ID: SVOC-1_020628A
Client ID: ZZZZZ | Batch ID: 3129 | TestNo: SW8270(SIM) | Analysis Date: 6/28/2002 | SeqNo: 75271

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.179	0.025	0.167	0	107	30	130	0	0		
Acenaphthylene	0.076	0.025	0.167	0	45.5	30	130	0	0		
Anthracene	0.1983	0.025	0.167	0	119	30	130	0	0		
Benz(a)anthracene	0.151	0.025	0.167	0	90.4	30	130	0	0		
Benzo(a)pyrene	0.185	0.025	0.167	0	111	30	130	0	0		
Benzo(b)fluoranthene	0.1913	0.025	0.167	0	115	30	130	0	0		
Benzo(g,h,i)perylene	0.1563	0.025	0.167	0	93.6	30	130	0	0		
Benzo(k)fluoranthene	0.1417	0.025	0.167	0	84.8	30	130	0	0		
Chrysene	0.1907	0.025	0.167	0	114	30	130	0	0		
Dibenz(a,h)anthracene	0.1643	0.025	0.167	0	98.4	30	130	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
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B - Analyte detected in the associated Method Blank

CLIENT: Burns & McDonnell
Work Order: 0206122
Project: 29168, Hawthorne Parcel 1

ANALYTICAL QC SUMMARY REPORT

BatchID: 3129

Sample ID: **LCS-3129-PNA** SampType: **LCS** TestCode: **PNA_SOIL** Units: **mg/Kg** Prep Date: **6/27/2002** Run ID: **SVOC-1_020628A**
Client ID: **ZZZZZ** Batch ID: **3129** TestNo: **SW8270(SIM)** Analysis Date: **6/28/2002** SeqNo: **75271**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Fluoranthene	0.2127	0.025	0.167	0	127	30	130	0	0		
Fluorene	0.1873	0.025	0.167	0	112	30	130	0	0		
Indeno(1,2,3-cd)pyrene	0.1617	0.025	0.167	0	96.8	30	130	0	0		
Naphthalene	0.1537	0.025	0.167	0	92	30	130	0	0		
Phenanthrene	0.188	0.025	0.167	0	113	30	130	0	0		
Pyrene	0.2087	0.025	0.167	0	125	30	130	0	0		

Sample ID: **0206122-009BMS** SampType: **MS** TestCode: **PNA_SOIL-B** Units: **mg/Kg-dry** Prep Date: **6/27/2002** Run ID: **SVOC-3_020627A**
Client ID: **HAS SP07 002** Batch ID: **3129** TestNo: **SW8270(SIM)** Analysis Date: **6/28/2002** SeqNo: **74111**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.3156	0.032	0.2139	0.2019	53.1	30	130	0	0		
Acenaphthylene	0.4138	0.032	0.2139	0.07341	159	30	130	0	0		S
Anthracene	0.4061	0.032	0.2139	0.9582	-258	30	130	0	0		S
Benz(a)anthracene	0.6106	0.032	0.2139	3.795	-1490	30	130	0	0		SE
Benzo(b)fluoranthene	0.3903	0.032	0.2139	1.574	-553	30	130	0	0		S
Benzo(k)fluoranthene	0.3378	0.032	0.2139	1.553	-568	30	130	0	0		S
Benzo(g,h,i)perylene	0.2331	0.032	0.2139	0.5073	-128	30	130	0	0		S
Benzo(a)pyrene	0.3019	0.032	0.2139	1.567	-591	30	130	0	0		S
Chrysene	0.6209	0.032	0.2139	3.28	-1240	30	130	0	0		SE
Dibenz(a,h)anthracene	0.1845	0.032	0.2139	0.2255	-19.2	30	130	0	0		S
Fluoranthene	0.7631	0.032	0.2139	4.386	-1690	30	130	0	0		SE
Fluorene	0.325	0.032	0.2139	0.2097	53.9	30	130	0	0		
Indeno(1,2,3-cd)pyrene	0.2425	0.032	0.2139	0.6108	-172	30	130	0	0		S
Naphthalene	0.3117	0.032	0.2139	0.02622	133	30	130	0	0		S
Phenanthrene	0.3946	0.032	0.2139	1.686	-604	30	130	0	0		S
Pyrene	0.8006	0.032	0.2139	3.989	-1490	30	130	0	0		SE

Qualifiers:
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S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Burns & McDonnell
Work Order: 0206122
Project: 29168, Hawthorne Parcel 1

ANALYTICAL QC SUMMARY REPORT

BatchID: 3129

Sample ID: **0206122-009BMSD** SampType: **MSD** TestCode: **PNA_SOIL-B** Units: **mg/Kg-dry** Prep Date: **6/27/2002** Run ID: **SVOC-3_020627A**
Client ID: **HAS SP07 002** Batch ID: **3129** TestNo: **SW8270(SIM)** Analysis Date: **6/28/2002** SeqNo: **74114**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.3465	0.033	0.2192	0.2019	66	30	130	0.3156	9.35	50	
Acenaphthylene	0.5373	0.033	0.2192	0.07341	212	30	130	0.4138	26.0	50	SE
Anthracene	0.4821	0.033	0.2192	0.9582	-217	30	130	0.4061	17.1	50	SE
Benz(a)anthracene	0.8107	0.033	0.2192	3.795	-1360	30	130	0.6106	28.2	50	SE
Benzo(b)fluoranthene	0.4751	0.033	0.2192	1.574	-501	30	130	0.3903	19.6	50	SE
Benzo(k)fluoranthene	0.4555	0.033	0.2192	1.553	-501	30	130	0.3378	29.7	50	SE
Benzo(g,h,i)perylene	0.3321	0.033	0.2192	0.5073	-79.9	30	130	0.2331	35.0	50	S
Benzo(a)pyrene	0.4226	0.033	0.2192	1.567	-522	30	130	0.3019	33.3	50	S
Chrysene	0.8287	0.033	0.2192	3.28	-1120	30	130	0.6209	28.7	50	SE
Dibenz(a,h)anthracene	0.2406	0.033	0.2192	0.2255	6.92	30	130	0.1845	26.4	50	S
Fluoranthene	0.9625	0.033	0.2192	4.386	-1560	30	130	0.7631	23.1	50	SE
Fluorene	0.3299	0.033	0.2192	0.2097	54.8	30	130	0.325	1.51	50	
Indeno(1,2,3-cd)pyrene	0.3325	0.033	0.2192	0.6108	-127	30	130	0.2425	31.3	50	S
Naphthalene	0.3141	0.033	0.2192	0.02622	131	30	130	0.3117	0.774	50	S
Phenanthrene	0.4795	0.033	0.2192	1.686	-550	30	130	0.3946	19.4	50	SE
Pyrene	1.022	0.033	0.2192	3.989	-1350	30	130	0.8006	24.3	50	SE

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Burns & McDonnell
Work Order: 0206122
Project: 29168, Hawthorne Parcel 1

ANALYTICAL QC SUMMARY REPORT

BatchID: 3136

Sample ID: MB-3136-SVOC | SampType: MBLK | TestCode: SVOC_SOIL- | Units: mg/Kg | Prep Date: 6/27/2002 | Run ID: SVOC-2_020627A
Client ID: ZZZZZ | Batch ID: 3136 | TestNo: SW8270C | Analysis Date: 6/27/2002 | SeqNo: 73746

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bis(2-chloroethoxy)methane	ND	0.33									
Bis(2-chloroethyl)ether	ND	0.33									
Bis(2-ethylhexyl)phthalate	ND	0.33									
4-Bromophenyl phenyl ether	ND	0.33									
Butyl benzyl phthalate	ND	0.33									
Carbazole	ND	0.33									
4-Chloro-3-methylphenol	ND	0.33									
4-Chloroaniline	ND	0.33									
2-Chloronaphthalene	ND	0.33									
2-Chlorophenol	ND	0.33									
4-Chlorophenyl phenyl ether	ND	0.33									
Dibenzofuran	ND	0.33									
1,2-Dichlorobenzene	ND	0.33									
1,3-Dichlorobenzene	ND	0.33									
1,4-Dichlorobenzene	ND	0.33									
3,3'-Dichlorobenzidine	ND	0.66									
2,4-Dichlorophenol	ND	0.33									
Diethyl phthalate	ND	0.33									
Dimethyl phthalate	ND	0.33									
Di-n-butyl phthalate	ND	0.33									
2,4-Dimethylphenol	ND	0.33									
4,6-Dinitro-2-methylphenol	ND	1.6									
2,4-Dinitrophenol	ND	1.6									
2,4-Dinitrotoluene	ND	0.25									
2,6-Dinitrotoluene	ND	0.25									
Di-n-octyl phthalate	ND	0.33									
Hexachlorobenzene	ND	0.33									
Hexachlorobutadiene	ND	0.33									
Hexachlorocyclopentadiene	ND	0.33									
Hexachloroethane	ND	0.33									
Isophorone	ND	0.33									

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Burns & McDonnell
Work Order: 0206122
Project: 29168, Hawthorne Parcel 1

ANALYTICAL QC SUMMARY REPORT

BatchID: 3136

Sample ID: MB-3136-SVOC | SampType: MBLK | TestCode: SVOC_SOIL- | Units: mg/Kg | Prep Date: 6/27/2002 | Run ID: SVOC-2_020627A
Client ID: ZZZZZ | Batch ID: 3136 | TestNo: SW8270C | Analysis Date: 6/27/2002 | SeqNo: 73746

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Methylnaphthalene	ND	0.33									
2-Methylphenol	ND	0.33									
4-Methylphenol	ND	0.33									
2-Nitroaniline	ND	1.6									
3-Nitroaniline	ND	1.6									
4-Nitroaniline	ND	1.6									
Nitrobenzene	ND	0.33									
2-Nitrophenol	ND	1.6									
4-Nitrophenol	ND	1.6									
N-Nitrosodi-n-propylamine	ND	0.33									
N-Nitrosodiphenylamine	ND	0.33									
2, 2'-oxybis(1-Chloropropane)	ND	0.33									
Pentachlorophenol	ND	1.6									
Phenol	ND	0.33									
1,2,4-Trichlorobenzene	ND	0.33									
2,4,5-Trichlorophenol	ND	0.66									
2,4,6-Trichlorophenol	ND	0.33									

Sample ID: LCS-3136-SVOC | SampType: LCS | TestCode: SVOC_SOIL- | Units: mg/Kg | Prep Date: 6/27/2002 | Run ID: SVOC-2_020627A
Client ID: ZZZZZ | Batch ID: 3136 | TestNo: SW8270C | Analysis Date: 6/27/2002 | SeqNo: 73747

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Chloro-3-methylphenol	3.101	0.33	3.333	0	93	26	103	0	0		
2-Chlorophenol	2.784	0.33	3.333	0	83.5	25	102	0	0		
1,4-Dichlorobenzene	1.306	0.33	1.667	0	78.3	28	104	0	0		
2,4-Dinitrotoluene	1.544	0.25	1.667	0	92.6	28	89	0	0		S
4-Nitrophenol	2.918	1.6	3.333	0	87.6	11	114	0	0		
N-Nitrosodi-n-propylamine	1.433	0.33	1.667	0	86	41	126	0	0		
Pentachlorophenol	3.194	1.6	3.333	0	95.8	17	109	0	0		
Phenol	2.741	0.33	3.333	0	82.2	26	90	0	0		
1,2,4-Trichlorobenzene	1.293	0.33	1.667	0	77.6	38	107	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Burns & McDonnell
Work Order: 0206122
Project: 29168, Hawthorne Parcel 1

ANALYTICAL QC SUMMARY REPORT

BatchID: 3136

Sample ID: **0206107-005BMS** SampType: **MS** TestCode: **SVOC_SOIL-** Units: **mg/Kg-dry** Prep Date: **6/27/2002** Run ID: **SVOC-2_020628A**
Client ID: **ZZZZZ** Batch ID: **3136** TestNo: **SW8270C** Analysis Date: **6/28/2002** SeqNo: **74678**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Chloro-3-methylphenol	3.511	0.39	3.936	0	89.2	26	103	0	0		
2-Chlorophenol	3.209	0.39	3.936	0	81.5	25	102	0	0		
1,4-Dichlorobenzene	1.359	0.39	1.968	0	69	28	104	0	0		
2,4-Dinitrotoluene	1.581	0.30	1.968	0	80.3	28	89	0	0		
4-Nitrophenol	2.909	1.9	3.936	0	73.9	11	114	0	0		
N-Nitrosodi-n-propylamine	1.636	0.39	1.968	0	83.1	41	126	0	0		
Pentachlorophenol	3.07	1.9	3.936	0	78	17	109	0	0		
Phenol	3.095	0.39	3.936	0	78.6	26	90	0	0		
1,2,4-Trichlorobenzene	1.438	0.39	1.968	0	73.1	38	107	0	0		

Sample ID: **0206107-003BMS** SampType: **MS** TestCode: **SVOC_SOIL-** Units: **mg/Kg-dry** Prep Date: **6/27/2002** Run ID: **SVOC-2_020628A**
Client ID: **ZZZZZ** Batch ID: **3136** TestNo: **SW8270C** Analysis Date: **6/29/2002** SeqNo: **74688**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Chloro-3-methylphenol	2.836	0.32	3.267	0	86.8	26	103	0	0		
2-Chlorophenol	2.303	0.32	3.267	0	70.5	25	102	0	0		
1,4-Dichlorobenzene	0.955	0.32	1.634	0	58.4	28	104	0	0		
2,4-Dinitrotoluene	1.291	0.25	1.634	0	79	28	89	0	0		
4-Nitrophenol	1.876	1.6	3.267	0	57.4	11	114	0	0		
N-Nitrosodi-n-propylamine	1.219	0.32	1.634	0	74.6	41	126	0	0		
Pentachlorophenol	2.343	1.6	3.267	0	71.7	17	109	0	0		
Phenol	2.262	0.32	3.267	0	69.2	26	90	0	0		
1,2,4-Trichlorobenzene	1.082	0.32	1.634	0	66.2	38	107	0	0		

Sample ID: **0206107-005BMSD** SampType: **MSD** TestCode: **SVOC_SOIL-** Units: **mg/Kg-dry** Prep Date: **6/27/2002** Run ID: **SVOC-2_020628A**
Client ID: **ZZZZZ** Batch ID: **3136** TestNo: **SW8270C** Analysis Date: **6/28/2002** SeqNo: **74679**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Chloro-3-methylphenol	3.298	0.40	4.005	0	82.3	26	103	3.511	6.26	33	
2-Chlorophenol	2.847	0.40	4.005	0	71.1	25	102	3.209	11.9	50	
1,4-Dichlorobenzene	1.21	0.40	2.003	0	60.4	28	104	1.359	11.6	27	

Qualifiers: ND - Not Detected at the Reporting Limit; S - Spike Recovery outside accepted recovery limits; B - Analyte detected in the associated Method Blank; J - Analyte detected below quantitation limits; R - RPD outside accepted recovery limits

CLIENT: Burns & McDonnell
Work Order: 0206122
Project: 29168, Hawthorne Parcel 1

ANALYTICAL QC SUMMARY REPORT

BatchID: 3136

Sample ID: **0206107-005BMSD** SampType: **MSD** TestCode: **SVOC_SOIL-** Units: **mg/Kg-dry** Prep Date: **6/27/2002** Run ID: **SVOC-2_020628A**
Client ID: **ZZZZZ** Batch ID: **3136** TestNo: **SW8270C** Analysis Date: **6/28/2002** SeqNo: **74679**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4-Dinitrotoluene	1.418	0.30	2.003	0	70.8	28	89	1.581	10.8	47	
4-Nitrophenol	2.632	1.9	4.005	0	65.7	11	114	2.909	10.0	50	
N-Nitrosodi-n-propylamine	1.465	0.40	2.003	0	73.1	41	126	1.636	11.0	38	
Pentachlorophenol	2.558	1.9	4.005	0	63.9	17	109	3.07	18.2	47	
Phenol	2.792	0.40	4.005	0	69.7	26	90	3.095	10.3	35	
1,2,4-Trichlorobenzene	1.285	0.40	2.003	0	64.1	38	107	1.438	11.3	23	

Sample ID: **0206107-003BMSD** SampType: **MSD** TestCode: **SVOC_SOIL-** Units: **mg/Kg-dry** Prep Date: **6/27/2002** Run ID: **SVOC-2_020628A**
Client ID: **ZZZZZ** Batch ID: **3136** TestNo: **SW8270C** Analysis Date: **6/29/2002** SeqNo: **74689**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Chloro-3-methylphenol	3.124	0.32	3.229	0	96.7	26	103	2.836	9.67	33	
2-Chlorophenol	2.592	0.32	3.229	0	80.3	25	102	2.303	11.8	50	
1,4-Dichlorobenzene	1.092	0.32	1.615	0	67.6	28	104	0.955	13.4	27	
2,4-Dinitrotoluene	1.36	0.24	1.615	0	84.2	28	89	1.291	5.22	47	
4-Nitrophenol	2.241	1.6	3.229	0	69.4	11	114	1.876	17.7	50	
N-Nitrosodi-n-propylamine	1.345	0.32	1.615	0	83.2	41	126	1.219	9.77	38	
Pentachlorophenol	2.656	1.6	3.229	0	82.2	17	109	2.343	12.5	47	
Phenol	2.518	0.32	3.229	0	78	26	90	2.262	10.7	35	
1,2,4-Trichlorobenzene	1.18	0.32	1.615	0	73	38	107	1.082	8.67	23	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Burns & McDonnell
Work Order: 0206122
Project: 29168, Hawthorne Parcel 1

ANALYTICAL QC SUMMARY REPORT

BatchID: 3140

Sample ID: MB-3140-SVOC | SampType: MBLK | TestCode: SVOC_SOIL- | Units: mg/Kg | Prep Date: 6/27/2002 | Run ID: SVOC-2_020627A
Client ID: ZZZZZ | Batch ID: 3140 | TestNo: SW8270C | Analysis Date: 6/27/2002 | SeqNo: 73750

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bis(2-chloroethoxy)methane	ND	0.33									
Bis(2-chloroethyl)ether	ND	0.33									
Bis(2-ethylhexyl)phthalate	ND	0.33									
4-Bromophenyl phenyl ether	ND	0.33									
Butyl benzyl phthalate	ND	0.33									
Carbazole	ND	0.33									
4-Chloro-3-methylphenol	ND	0.33									
4-Chloroaniline	ND	0.33									
2-Chloronaphthalene	ND	0.33									
2-Chlorophenol	ND	0.33									
4-Chlorophenyl phenyl ether	ND	0.33									
Dibenzofuran	ND	0.33									
1,2-Dichlorobenzene	ND	0.33									
1,3-Dichlorobenzene	ND	0.33									
1,4-Dichlorobenzene	ND	0.33									
3,3'-Dichlorobenzidine	ND	0.66									
2,4-Dichlorophenol	ND	0.33									
Diethyl phthalate	ND	0.33									
Dimethyl phthalate	ND	0.33									
Di-n-butyl phthalate	ND	0.33									
2,4-Dimethylphenol	ND	0.33									
4,6-Dinitro-2-methylphenol	ND	1.6									
2,4-Dinitrophenol	ND	1.6									
2,4-Dinitrotoluene	ND	0.25									
2,6-Dinitrotoluene	ND	0.25									
Di-n-octyl phthalate	ND	0.33									
Hexachlorobenzene	ND	0.33									
Hexachlorobutadiene	ND	0.33									
Hexachlorocyclopentadiene	ND	0.33									
Hexachloroethane	ND	0.33									
Isophorone	ND	0.33									

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Burns & McDonnell
Work Order: 0206122
Project: 29168, Hawthorne Parcel 1

ANALYTICAL QC SUMMARY REPORT

BatchID: 3140

Sample ID: MB-3140-SVOC | SampType: MBLK | TestCode: SVOC_SOIL- | Units: mg/Kg | Prep Date: 6/27/2002 | Run ID: SVOC-2_020627A
Client ID: ZZZZZ | Batch ID: 3140 | TestNo: SW8270C | Analysis Date: 6/27/2002 | SeqNo: 73750

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Methylnaphthalene	ND	0.33									
2-Methylphenol	ND	0.33									
4-Methylphenol	ND	0.33									
2-Nitroaniline	ND	1.6									
3-Nitroaniline	ND	1.6									
4-Nitroaniline	ND	1.6									
Nitrobenzene	ND	0.33									
2-Nitrophenol	ND	1.6									
4-Nitrophenol	ND	1.6									
N-Nitrosodi-n-propylamine	ND	0.33									
N-Nitrosodiphenylamine	ND	0.33									
2, 2'-oxybis(1-Chloropropane)	ND	0.33									
Pentachlorophenol	ND	1.6									
Phenol	ND	0.33									
1,2,4-Trichlorobenzene	ND	0.33									
2,4,5-Trichlorophenol	ND	0.66									
2,4,6-Trichlorophenol	ND	0.33									

Sample ID: LCS-3140-SVOC | SampType: LCS | TestCode: SVOC_SOIL- | Units: mg/Kg | Prep Date: 6/27/2002 | Run ID: SVOC-2_020627A
Client ID: ZZZZZ | Batch ID: 3140 | TestNo: SW8270C | Analysis Date: 6/27/2002 | SeqNo: 73751

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Chloro-3-methylphenol	2.633	0.33	3.333	0	79	26	103	0	0		
2-Chlorophenol	2.263	0.33	3.333	0	67.9	25	102	0	0		
1,4-Dichlorobenzene	1.031	0.33	1.667	0	61.8	28	104	0	0		
2,4-Dinitrotoluene	1.29	0.25	1.667	0	77.4	28	89	0	0		
4-Nitrophenol	2.656	1.6	3.333	0	79.7	11	114	0	0		
N-Nitrosodi-n-propylamine	1.196	0.33	1.667	0	71.8	41	126	0	0		
Pentachlorophenol	2.85	1.6	3.333	0	85.5	17	109	0	0		
Phenol	2.313	0.33	3.333	0	69.4	26	90	0	0		
1,2,4-Trichlorobenzene	1.026	0.33	1.667	0	61.6	38	107	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Burns & McDonnell
Work Order: 0206122
Project: 29168, Hawthorne Parcel 1

ANALYTICAL QC SUMMARY REPORT

BatchID: 3147

Sample ID: MB-3147-SVOC SampType: MBLK TestCode: SVOC_SOIL- Units: mg/Kg Prep Date: 6/27/2002 Run ID: SVOC-2_020629A
Client ID: ZZZZZ Batch ID: 3147 TestNo: SW8270C Analysis Date: 6/29/2002 SeqNo: 74717

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bis(2-chloroethoxy)methane	ND	0.33									
Bis(2-chloroethyl)ether	ND	0.33									
Bis(2-ethylhexyl)phthalate	ND	0.33									
4-Bromophenyl phenyl ether	ND	0.33									
Butyl benzyl phthalate	ND	0.33									
Carbazole	ND	0.33									
4-Chloro-3-methylphenol	ND	0.33									
4-Chloroaniline	ND	0.33									
2-Chloronaphthalene	ND	0.33									
2-Chlorophenol	ND	0.33									
4-Chlorophenyl phenyl ether	ND	0.33									
Dibenzofuran	ND	0.33									
1,2-Dichlorobenzene	ND	0.33									
1,3-Dichlorobenzene	ND	0.33									
1,4-Dichlorobenzene	ND	0.33									
3,3'-Dichlorobenzidine	ND	0.66									
2,4-Dichlorophenol	ND	0.33									
Diethyl phthalate	ND	0.33									
Dimethyl phthalate	ND	0.33									
Di-n-butyl phthalate	ND	0.33									
2,4-Dimethylphenol	ND	0.33									
4,6-Dinitro-2-methylphenol	ND	1.6									
2,4-Dinitrophenol	ND	1.6									
2,4-Dinitrotoluene	ND	0.25									
2,6-Dinitrotoluene	ND	0.25									
Di-n-octyl phthalate	ND	0.33									
Hexachlorobenzene	ND	0.33									
Hexachlorobutadiene	ND	0.33									
Hexachlorocyclopentadiene	ND	0.33									
Hexachloroethane	ND	0.33									
Isophorone	ND	0.33									

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Burns & McDonnell
Work Order: 0206122
Project: 29168, Hawthorne Parcel 1

ANALYTICAL QC SUMMARY REPORT

BatchID: 3147

Sample ID: MB-3147-SVOC | SampType: MBLK | TestCode: SVOC_SOIL- | Units: mg/Kg | Prep Date: 6/27/2002 | Run ID: SVOC-2_020629A
Client ID: ZZZZZ | Batch ID: 3147 | TestNo: SW8270C | Analysis Date: 6/29/2002 | SeqNo: 74717

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Methylnaphthalene	ND	0.33									
2-Methylphenol	ND	0.33									
4-Methylphenol	ND	0.33									
2-Nitroaniline	ND	1.6									
3-Nitroaniline	ND	1.6									
4-Nitroaniline	ND	1.6									
Nitrobenzene	ND	0.33									
2-Nitrophenol	ND	1.6									
4-Nitrophenol	ND	1.6									
N-Nitrosodi-n-propylamine	ND	0.33									
N-Nitrosodiphenylamine	ND	0.33									
2, 2'-oxybis(1-Chloropropane)	ND	0.33									
Pentachlorophenol	ND	1.6									
Phenol	ND	0.33									
1,2,4-Trichlorobenzene	ND	0.33									
2,4,5-Trichlorophenol	ND	0.66									
2,4,6-Trichlorophenol	ND	0.33									

Sample ID: LCS-3147-SVOC | SampType: LCS | TestCode: SVOC_SOIL- | Units: mg/Kg | Prep Date: 6/27/2002 | Run ID: SVOC-2_020629A
Client ID: ZZZZZ | Batch ID: 3147 | TestNo: SW8270C | Analysis Date: 6/29/2002 | SeqNo: 74718

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Chloro-3-methylphenol	2.927	0.33	3.333	0	87.8	26	103	0	0		
2-Chlorophenol	2.543	0.33	3.333	0	76.3	25	102	0	0		
1,4-Dichlorobenzene	1.109	0.33	1.667	0	66.5	28	104	0	0		
2,4-Dinitrotoluene	1.425	0.25	1.667	0	85.5	28	89	0	0		
4-Nitrophenol	2.592	1.6	3.333	0	77.8	11	114	0	0		
N-Nitrosodi-n-propylamine	1.295	0.33	1.667	0	77.7	41	126	0	0		
Pentachlorophenol	2.869	1.6	3.333	0	86.1	17	109	0	0		
Phenol	2.439	0.33	3.333	0	73.2	26	90	0	0		
1,2,4-Trichlorobenzene	1.154	0.33	1.667	0	69.2	38	107	0	0		

Qualifiers:
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R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Burns & McDonnell
Work Order: 0206122
Project: 29168, Hawthorne Parcel 1

ANALYTICAL QC SUMMARY REPORT

BatchID: 3147

Sample ID: **0206134-001BMS** SampType: **MS** TestCode: **SVOC_SOIL-** Units: **mg/Kg-dry** Prep Date: **6/27/2002** Run ID: **SVOC-2_020629A**
Client ID: **ZZZZZ** Batch ID: **3147** TestNo: **SW8270C** Analysis Date: **6/29/2002** SeqNo: **74720**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Chloro-3-methylphenol	3.692	0.39	3.961	0	93.2	26	103	0	0		
2-Chlorophenol	2.941	0.39	3.961	0	74.2	25	102	0	0		
1,4-Dichlorobenzene	1.236	0.39	1.981	0	62.4	28	104	0	0		
2,4-Dinitrotoluene	1.644	0.30	1.981	0	83	28	89	0	0		
4-Nitrophenol	3.149	1.9	3.961	0	79.5	11	114	0	0		
N-Nitrosodi-n-propylamine	1.512	0.39	1.981	0	76.3	41	126	0	0		
Pentachlorophenol	3.106	1.9	3.961	0	78.4	17	109	0	0		
Phenol	2.857	0.39	3.961	0	72.1	26	90	0	0		
1,2,4-Trichlorobenzene	1.358	0.39	1.981	0	68.5	38	107	0	0		

Sample ID: **0206134-011BMS** SampType: **MS** TestCode: **SVOC_SOIL-** Units: **mg/Kg-dry** Prep Date: **6/27/2002** Run ID: **SVOC-2_020629A**
Client ID: **ZZZZZ** Batch ID: **3147** TestNo: **SW8270C** Analysis Date: **6/30/2002** SeqNo: **74736**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Chloro-3-methylphenol	3.776	0.39	3.943	0	95.8	26	103	0	0		
2-Chlorophenol	3.235	0.39	3.943	0	82	25	102	0	0		
1,4-Dichlorobenzene	1.358	0.39	1.972	0	68.8	28	104	0	0		
2,4-Dinitrotoluene	1.551	0.30	1.972	0	78.7	28	89	0	0		
4-Nitrophenol	3.106	1.9	3.943	0	78.8	11	114	0	0		
N-Nitrosodi-n-propylamine	1.658	0.39	1.972	0	84.1	41	126	0	0		
Pentachlorophenol	2.91	1.9	3.943	0	73.8	17	109	0	0		
Phenol	3.077	0.39	3.943	0	78	26	90	0	0		
1,2,4-Trichlorobenzene	1.522	0.39	1.972	0	77.2	38	107	0	0		

Sample ID: **0206134-001BMSD** SampType: **MSD** TestCode: **SVOC_SOIL-** Units: **mg/Kg-dry** Prep Date: **6/27/2002** Run ID: **SVOC-2_020629A**
Client ID: **ZZZZZ** Batch ID: **3147** TestNo: **SW8270C** Analysis Date: **6/29/2002** SeqNo: **74721**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Chloro-3-methylphenol	4.011	0.40	4.064	0	98.7	26	103	3.692	8.30	33	
2-Chlorophenol	3.321	0.40	4.064	0	81.7	25	102	2.941	12.1	50	
1,4-Dichlorobenzene	1.435	0.40	2.033	0	70.6	28	104	1.236	14.9	27	

Qualifiers:
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B - Analyte detected in the associated Method Blank

CLIENT: Burns & McDonnell
Work Order: 0206122
Project: 29168, Hawthorne Parcel 1

ANALYTICAL QC SUMMARY REPORT

BatchID: 3147

Sample ID: **0206134-001BMSD** SampType: **MSD** TestCode: **SVOC_SOIL-** Units: **mg/Kg-dry** Prep Date: **6/27/2002** Run ID: **SVOC-2_020629A**
Client ID: **ZZZZZ** Batch ID: **3147** TestNo: **SW8270C** Analysis Date: **6/29/2002** SeqNo: **74721**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4-Dinitrotoluene	1.792	0.30	2.033	0	88.2	28	89	1.644	8.64	47	
4-Nitrophenol	3.259	2.0	4.064	0	80.2	11	114	3.149	3.43	50	
N-Nitrosodi-n-propylamine	1.647	0.40	2.033	0	81	41	126	1.512	8.58	38	
Pentachlorophenol	3.307	2.0	4.064	0	81.4	17	109	3.106	6.25	47	
Phenol	3.181	0.40	4.064	0	78.3	26	90	2.857	10.7	35	
1,2,4-Trichlorobenzene	1.513	0.40	2.033	0	74.4	38	107	1.358	10.8	23	

Sample ID: **0206134-011BMSD** SampType: **MSD** TestCode: **SVOC_SOIL-** Units: **mg/Kg-dry** Prep Date: **6/27/2002** Run ID: **SVOC-2_020629A**
Client ID: **ZZZZZ** Batch ID: **3147** TestNo: **SW8270C** Analysis Date: **6/30/2002** SeqNo: **74737**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Chloro-3-methylphenol	3.683	0.39	3.941	0	93.4	26	103	3.776	2.50	33	
2-Chlorophenol	3.287	0.39	3.941	0	83.4	25	102	3.235	1.59	50	
1,4-Dichlorobenzene	1.388	0.39	1.971	0	70.4	28	104	1.358	2.21	27	
2,4-Dinitrotoluene	1.457	0.30	1.971	0	73.9	28	89	1.551	6.30	47	
4-Nitrophenol	2.773	1.9	3.941	0	70.3	11	114	3.106	11.3	50	
N-Nitrosodi-n-propylamine	1.694	0.39	1.971	0	85.9	41	126	1.658	2.15	38	
Pentachlorophenol	2.558	1.9	3.941	0	64.9	17	109	2.91	12.9	47	
Phenol	3.124	0.39	3.941	0	79.3	26	90	3.077	1.52	35	
1,2,4-Trichlorobenzene	1.534	0.39	1.971	0	77.8	38	107	1.522	0.819	23	

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CLIENT: Burns & McDonnell
Work Order: 0206122
Project: 29168, Hawthorne Parcel 1

ANALYTICAL QC SUMMARY REPORT

BatchID: 2949

Sample ID: **0206122-005AMS** SampType: **MS** TestCode: **VOC_ENCOR** Units: **mg/Kg-dry** Prep Date: **6/18/2002** Run ID: **VOA-2_020624A**
Client ID: **HAS SP05 002** Batch ID: **2949** TestNo: **SW5035/8260** Analysis Date: **6/24/2002** SeqNo: **72394**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acetone	0.1456	0.045	0.08947	0	163	70	130	0	0		S
Benzene	0.0889	0.0089	0.08947	0	99.4	37	151	0	0		
Bromodichloromethane	0.09321	0.0089	0.08947	0	104	70	130	0	0		
Bromoform	0.09392	0.0089	0.08947	0	105	70	130	0	0		
Bromomethane	0.07848	0.018	0.08947	0	87.7	70	130	0	0		
2-Butanone	0.1125	0.018	0.08947	0	126	70	130	0	0		
Carbon disulfide	0.09382	0.0089	0.08947	0.002101	103	70	130	0	0		
Carbon tetrachloride	0.09176	0.0089	0.08947	0	103	70	130	0	0		
Chlorobenzene	0.08322	0.0089	0.08947	0	93	37	160	0	0		
Chloroethane	0.09455	0.018	0.08947	0	106	70	130	0	0		
Chloroform	0.08727	0.0089	0.08947	0	97.5	70	130	0	0		
Chloromethane	0.09265	0.0089	0.08947	0	104	70	130	0	0		
Dibromochloromethane	0.09317	0.0089	0.08947	0	104	70	130	0	0		
1,1-Dichloroethane	0.08304	0.0089	0.08947	0	92.8	70	130	0	0		
1,2-Dichloroethane	0.08863	0.0089	0.08947	0	99.1	70	130	0	0		
1,1-Dichloroethene	0.0924	0.0089	0.08947	0	103	0	234	0	0		
cis-1,2-Dichloroethene	0.08915	0.0089	0.08947	0	99.6	70	130	0	0		
trans-1,2-Dichloroethene	0.08943	0.0089	0.08947	0	100	70	130	0	0		
1,2-Dichloropropane	0.08882	0.0089	0.08947	0	99.3	70	130	0	0		
cis-1,3-Dichloropropene	0.0873	0.0089	0.08947	0	97.6	70	130	0	0		
trans-1,3-Dichloropropene	0.09582	0.0089	0.08947	0	107	70	130	0	0		
Ethylbenzene	0.08555	0.0089	0.08947	0	95.6	70	130	0	0		
2-Hexanone	0.1014	0.018	0.08947	0	113	70	130	0	0		
4-Methyl-2-pentanone	0.0892	0.018	0.08947	0	99.7	70	130	0	0		
Methylene chloride	0.09587	0.018	0.08947	0	107	70	130	0	0		
Styrene	0.07977	0.0089	0.08947	0	89.2	70	130	0	0		
1,1,2,2-Tetrachloroethane	0.08009	0.0089	0.08947	0	89.5	70	130	0	0		
Tetrachloroethene	0.08603	0.0089	0.08947	0	96.2	70	130	0	0		
Toluene	0.08686	0.0089	0.08947	0	97.1	47	150	0	0		
1,1,1-Trichloroethane	0.09222	0.0089	0.08947	0	103	70	130	0	0		
1,1,2-Trichloroethane	0.08696	0.0089	0.08947	0	97.2	70	130	0	0		

Qualifiers:
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CLIENT: Burns & McDonnell
Work Order: 0206122
Project: 29168, Hawthorne Parcel 1

ANALYTICAL QC SUMMARY REPORT

BatchID: 2949

Sample ID: 0206122-005AMS | SampType: MS | TestCode: VOC_ENCOR | Units: mg/Kg-dry | Prep Date: 6/18/2002 | Run ID: VOA-2_020624A
Client ID: HAS SP05 002 | Batch ID: 2949 | TestNo: SW5035/8260 | Analysis Date: 6/24/2002 | SeqNo: 72394

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Trichloroethene	0.08847	0.0089	0.08947	0	98.9	71	157	0	0		
Vinyl chloride	0.06667	0.0089	0.08947	0	74.5	70	130	0	0		
m,p-Xylene	0.1702	0.0089	0.1789	0	95.1	70	130	0	0		
o-Xylene	0.08661	0.0089	0.08947	0	96.8	70	130	0	0		

Sample ID: 0206122-005AMSD | SampType: MSD | TestCode: VOC_ENCOR | Units: mg/Kg-dry | Prep Date: 6/18/2002 | Run ID: VOA-2_020624A
Client ID: HAS SP05 002 | Batch ID: 2949 | TestNo: SW5035/8260 | Analysis Date: 6/24/2002 | SeqNo: 72395

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acetone	0.14	0.045	0.09011	0	155	70	130	0.1456	3.88	25	S
Benzene	0.09804	0.0090	0.09011	0	109	37	151	0.0889	9.78	25	
Bromodichloromethane	0.1016	0.0090	0.09011	0	113	70	130	0.09321	8.64	25	
Bromoform	0.1044	0.0090	0.09011	0	116	70	130	0.09392	10.5	25	
Bromomethane	0.08659	0.018	0.09011	0	96.1	70	130	0.07848	9.83	25	
2-Butanone	0.1135	0.018	0.09011	0	126	70	130	0.1125	0.872	25	
Carbon disulfide	0.1034	0.0090	0.09011	0.002101	112	70	130	0.09382	9.67	25	
Carbon tetrachloride	0.09966	0.0090	0.09011	0	111	70	130	0.09176	8.26	25	
Chlorobenzene	0.09213	0.0090	0.09011	0	102	37	160	0.08322	10.2	25	
Chloroethane	0.1029	0.018	0.09011	0	114	70	130	0.09455	8.44	25	
Chloroform	0.09485	0.0090	0.09011	0	105	70	130	0.08727	8.33	25	
Chloromethane	0.09797	0.0090	0.09011	0	109	70	130	0.09265	5.57	25	
Dibromochloromethane	0.105	0.0090	0.09011	0	117	70	130	0.09317	12.0	25	
1,1-Dichloroethane	0.09144	0.0090	0.09011	0	101	70	130	0.08304	9.63	25	
1,2-Dichloroethane	0.09701	0.0090	0.09011	0	108	70	130	0.08863	9.03	25	
1,1-Dichloroethene	0.1016	0.0090	0.09011	0	113	0	234	0.0924	9.51	25	
cis-1,2-Dichloroethene	0.09661	0.0090	0.09011	0	107	70	130	0.08915	8.04	25	
trans-1,2-Dichloroethene	0.09744	0.0090	0.09011	0	108	70	130	0.08943	8.57	25	
1,2-Dichloropropane	0.0982	0.0090	0.09011	0	109	70	130	0.08882	10.0	25	
cis-1,3-Dichloropropene	0.09656	0.0090	0.09011	0	107	70	130	0.0873	10.1	25	
trans-1,3-Dichloropropene	0.1061	0.0090	0.09011	0	118	70	130	0.09582	10.2	25	
Ethylbenzene	0.09159	0.0090	0.09011	0	102	70	130	0.08555	6.82	25	

Qualifiers:
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CLIENT: Burns & McDonnell
Work Order: 0206122
Project: 29168, Hawthorne Parcel 1

ANALYTICAL QC SUMMARY REPORT

BatchID: 2949

Sample ID: **0206122-005AMSD** SampType: **MSD** TestCode: **VOC_ENCOR** Units: **mg/Kg-dry** Prep Date: **6/18/2002** Run ID: **VOA-2_020624A**
Client ID: **HAS SP05 002** Batch ID: **2949** TestNo: **SW5035/8260** Analysis Date: **6/24/2002** SeqNo: **72395**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Hexanone	0.1103	0.018	0.09011	0	122	70	130	0.1014	8.36	25	
4-Methyl-2-pentanone	0.09856	0.018	0.09011	0	109	70	130	0.0892	9.97	25	
Methylene chloride	0.1046	0.018	0.09011	0	116	70	130	0.09587	8.72	25	
Styrene	0.08807	0.0090	0.09011	0	97.7	70	130	0.07977	9.89	25	
1,1,2,2-Tetrachloroethane	0.09007	0.0090	0.09011	0	100	70	130	0.08009	11.7	25	
Tetrachloroethene	0.09339	0.0090	0.09011	0	104	70	130	0.08603	8.20	25	
Toluene	0.09429	0.0090	0.09011	0	105	47	150	0.08686	8.21	25	
1,1,1-Trichloroethane	0.09968	0.0090	0.09011	0	111	70	130	0.09222	7.77	25	
1,1,2-Trichloroethane	0.09791	0.0090	0.09011	0	109	70	130	0.08696	11.8	25	
Trichloroethene	0.09451	0.0090	0.09011	0	105	71	157	0.08847	6.60	25	
Vinyl chloride	0.07596	0.0090	0.09011	0	84.3	70	130	0.06667	13.0	25	
m,p-Xylene	0.1877	0.0090	0.1802	0	104	70	130	0.1702	9.78	25	
o-Xylene	0.09497	0.0090	0.09011	0	105	70	130	0.08661	9.22	25	

Qualifiers:
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CLIENT: Burns & McDonnell
Work Order: 0206122
Project: 29168, Hawthorne Parcel 1

ANALYTICAL QC SUMMARY REPORT

BatchID: 2971

Sample ID: 0206122-002AMS SampType: MS TestCode: VOC_ENCOR Units: mg/Kg-dry Prep Date: 6/18/2002 Run ID: VOA-2_020625A
Client ID: HAS SP02 001 Batch ID: 2971 TestNo: SW5035/8260 Analysis Date: 6/25/2002 SeqNo: 72745

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acetone	20.42	7.6	15.14	0	135	70	130	0	0		S
Benzene	24.3	1.5	15.14	10.01	94.4	37	151	0	0		
Bromodichloromethane	16.93	1.5	15.14	0	112	70	130	0	0		
Bromoform	17.23	1.5	15.14	0	114	70	130	0	0		
Bromomethane	13.03	3.0	15.14	0	86.1	70	130	0	0		
2-Butanone	18.11	3.0	15.14	0	120	70	130	0	0		
Carbon disulfide	16.43	1.5	15.14	0	108	70	130	0	0		
Carbon tetrachloride	18.12	1.5	15.14	0	120	70	130	0	0		
Chlorobenzene	16.22	1.5	15.14	0	107	37	160	0	0		
Chloroethane	16.65	3.0	15.14	0	110	70	130	0	0		
Chloroform	16.56	1.5	15.14	0.1787	108	70	130	0	0		
Chloromethane	17.09	1.5	15.14	0	113	70	130	0	0		
Dibromochloromethane	17.49	1.5	15.14	0	116	70	130	0	0		
1,1-Dichloroethane	15.57	1.5	15.14	0	103	70	130	0	0		
1,2-Dichloroethane	16.31	1.5	15.14	0	108	70	130	0	0		
1,1-Dichloroethene	18.11	1.5	15.14	0	120	0	234	0	0		
cis-1,2-Dichloroethene	16.84	1.5	15.14	0	111	70	130	0	0		
trans-1,2-Dichloroethene	17.53	1.5	15.14	0	116	70	130	0	0		
1,2-Dichloropropane	16.29	1.5	15.14	0	108	70	130	0	0		
cis-1,3-Dichloropropene	16.06	1.5	15.14	0	106	70	130	0	0		
trans-1,3-Dichloropropene	18.04	1.5	15.14	0	119	70	130	0	0		
Ethylbenzene	16.43	1.5	15.14	0.2937	107	70	130	0	0		
2-Hexanone	17.95	3.0	15.14	0	119	70	130	0	0		
4-Methyl-2-pentanone	16.94	3.0	15.14	0	112	70	130	0	0		
Methylene chloride	16.94	3.0	15.14	0	112	70	130	0	0		
Styrene	16	1.5	15.14	0	106	70	130	0	0		
1,1,2,2-Tetrachloroethane	14.85	1.5	15.14	0	98.1	70	130	0	0		
Tetrachloroethene	17.94	1.5	15.14	0	118	70	130	0	0		
Toluene	17.03	1.5	15.14	0.539	109	47	150	0	0		
1,1,1-Trichloroethane	17.61	1.5	15.14	0	116	70	130	0	0		
1,1,2-Trichloroethane	16.33	1.5	15.14	0	108	70	130	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
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S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Burns & McDonnell
Work Order: 0206122
Project: 29168, Hawthorne Parcel 1

ANALYTICAL QC SUMMARY REPORT

BatchID: 2971

Sample ID: 0206122-002AMS | SampType: MS | TestCode: VOC_ENCOR | Units: mg/Kg-dry | Prep Date: 6/18/2002 | Run ID: VOA-2_020625A
Client ID: HAS SP02 001 | Batch ID: 2971 | TestNo: SW5035/8260 | Analysis Date: 6/25/2002 | SeqNo: 72745

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Trichloroethene	17.19	1.5	15.14	0	114	71	157	0	0		
Vinyl chloride	4.766	1.5	15.14	0	31.5	70	130	0	0		S
m,p-Xylene	33.64	1.5	30.28	0.642	109	70	130	0	0		
o-Xylene	16.23	1.5	15.14	0.1968	106	70	130	0	0		

Sample ID: 0206122-002AMSD | SampType: MSD | TestCode: VOC_ENCOR | Units: mg/Kg-dry | Prep Date: 6/18/2002 | Run ID: VOA-2_020625A
Client ID: HAS SP02 001 | Batch ID: 2971 | TestNo: SW5035/8260 | Analysis Date: 6/25/2002 | SeqNo: 72746

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acetone	17.17	7.6	15.14	0	113	70	130	20.42	17.3	25	
Benzene	24.23	1.5	15.14	10.01	93.9	37	151	24.3	0.287	25	
Bromodichloromethane	17	1.5	15.14	0	112	70	130	16.93	0.411	25	
Bromoform	16.61	1.5	15.14	0	110	70	130	17.23	3.65	25	
Bromomethane	12.25	3.0	15.14	0	80.9	70	130	13.03	6.21	25	
2-Butanone	15.37	3.0	15.14	0	101	70	130	18.11	16.4	25	
Carbon disulfide	15.57	1.5	15.14	0	103	70	130	16.43	5.32	25	
Carbon tetrachloride	18.24	1.5	15.14	0	120	70	130	18.12	0.650	25	
Chlorobenzene	16.26	1.5	15.14	0	107	37	160	16.22	0.280	25	
Chloroethane	16	3.0	15.14	0	106	70	130	16.65	3.97	25	
Chloroform	16.53	1.5	15.14	0.1787	108	70	130	16.56	0.165	25	
Chloromethane	16.09	1.5	15.14	0	106	70	130	17.09	6.04	25	
Dibromochloromethane	17.05	1.5	15.14	0	113	70	130	17.49	2.54	25	
1,1-Dichloroethane	15.64	1.5	15.14	0	103	70	130	15.57	0.407	25	
1,2-Dichloroethane	16	1.5	15.14	0	106	70	130	16.31	1.97	25	
1,1-Dichloroethene	17.15	1.5	15.14	0	113	0	234	18.11	5.46	25	
cis-1,2-Dichloroethene	16.71	1.5	15.14	0	110	70	130	16.84	0.794	25	
trans-1,2-Dichloroethene	17.5	1.5	15.14	0	116	70	130	17.53	0.173	25	
1,2-Dichloropropane	16.28	1.5	15.14	0	108	70	130	16.29	0.0372	25	
cis-1,3-Dichloropropene	15.43	1.5	15.14	0	102	70	130	16.06	3.98	25	
trans-1,3-Dichloropropene	17.17	1.5	15.14	0	113	70	130	18.04	4.92	25	
Ethylbenzene	16.91	1.5	15.14	0.2937	110	70	130	16.43	2.87	25	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Burns & McDonnell
Work Order: 0206122
Project: 29168, Hawthorne Parcel 1

ANALYTICAL QC SUMMARY REPORT

BatchID: 2971

Sample ID: **0206122-002AMSD** SampType: **MSD** TestCode: **VOC_ENCOR** Units: **mg/Kg-dry** Prep Date: **6/18/2002** Run ID: **VOA-2_020625A**
Client ID: **HAS SP02 001** Batch ID: **2971** TestNo: **SW5035/8260** Analysis Date: **6/25/2002** SeqNo: **72746**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Hexanone	16.37	3.0	15.14	0	108	70	130	17.95	9.25	25	
4-Methyl-2-pentanone	15.27	3.0	15.14	0	101	70	130	16.94	10.4	25	
Methylene chloride	16.36	3.0	15.14	0	108	70	130	16.94	3.46	25	
Styrene	16.17	1.5	15.14	0	107	70	130	16	1.11	25	
1,1,2,2-Tetrachloroethane	14.59	1.5	15.14	0	96.4	70	130	14.85	1.75	25	
Tetrachloroethene	17.53	1.5	15.14	0	116	70	130	17.94	2.29	25	
Toluene	16.6	1.5	15.14	0.539	106	47	150	17.03	2.58	25	
1,1,1-Trichloroethane	17.88	1.5	15.14	0	118	70	130	17.61	1.55	25	
1,1,2-Trichloroethane	15.73	1.5	15.14	0	104	70	130	16.33	3.78	25	
Trichloroethene	17.23	1.5	15.14	0	114	71	157	17.19	0.194	25	
Vinyl chloride	4.839	1.5	15.14	0	32	70	130	4.766	1.51	25	S
m,p-Xylene	34.3	1.5	30.28	0.642	111	70	130	33.64	1.93	25	
o-Xylene	16.51	1.5	15.14	0.1968	108	70	130	16.23	1.76	25	

Qualifiers:
ND - Not Detected at the Reporting Limit
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S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Burns & McDonnell
Work Order: 0206122
Project: 29168, Hawthorne Parcel 1

ANALYTICAL QC SUMMARY REPORT

BatchID: R3716

Sample ID: VBLK062402-3 SampType: MBLK TestCode: VOC_5035+ Units: mg/Kg Prep Date: Run ID: VOA-3_020624A
Client ID: ZZZZZ Batch ID: R3716 TestNo: SW5035/8260 Analysis Date: 6/24/2002 SeqNo: 72163

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	ND	0.0050									
1,1,2,2-Tetrachloroethane	ND	0.0050									
1,1,2-Trichloroethane	ND	0.0050									
1,1-Dichloroethane	ND	0.0050									
1,1-Dichloroethene	ND	0.0050									
1,2-Dichloroethane	ND	0.0050									
1,2-Dichloropropane	ND	0.0050									
2-Butanone	ND	0.010									
2-Hexanone	ND	0.010									
4-Methyl-2-pentanone	ND	0.010									
Acetone	0.00561	0.025									J
Benzene	ND	0.0050									
Bromodichloromethane	ND	0.0050									
Bromoform	ND	0.0050									
Bromomethane	ND	0.010									
Carbon disulfide	ND	0.0050									
Carbon tetrachloride	ND	0.0050									
Chlorobenzene	ND	0.0050									
Chloroethane	ND	0.010									
Chloroform	ND	0.0050									
Chloromethane	ND	0.010									
cis-1,2-Dichloroethene	ND	0.0050									
cis-1,3-Dichloropropene	ND	0.0050									
Dibromochloromethane	ND	0.0050									
Ethylbenzene	ND	0.0050									
m,p-Xylene	ND	0.0050									
Methylene chloride	ND	0.010									
o-Xylene	ND	0.0050									
Styrene	ND	0.0050									
Tetrachloroethene	ND	0.0050									
Toluene	ND	0.0050									

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Burns & McDonnell
Work Order: 0206122
Project: 29168, Hawthorne Parcel 1

ANALYTICAL QC SUMMARY REPORT

BatchID: R3716

Sample ID: VBLK062402-3 SampType: MBLK TestCode: VOC_5035+ Units: mg/Kg Prep Date: Run ID: VOA-3_020624A
Client ID: ZZZZZ Batch ID: R3716 TestNo: SW5035/8260 Analysis Date: 6/24/2002 SeqNo: 72163

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,2-Dichloroethene	ND	0.0050									
trans-1,3-Dichloropropene	ND	0.0050									
Trichloroethene	ND	0.0050									
Vinyl chloride	ND	0.0050									

Sample ID: VLCSD062402-3 SampType: LCS TestCode: VOC_5035+ Units: mg/Kg Prep Date: Run ID: VOA-3_020624A
Client ID: ZZZZZ Batch ID: R3716 TestNo: SW5035/8260 Analysis Date: 6/24/2002 SeqNo: 72165

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	0.04633	0.0050	0.05	0	92.7	70	130	0	0		
1,1,2,2-Tetrachloroethane	0.05071	0.0050	0.05	0	101	70	130	0	0		
1,1,2-Trichloroethane	0.04526	0.0050	0.05	0	90.5	70	130	0	0		
1,1-Dichloroethane	0.04276	0.0050	0.05	0	85.5	70	130	0	0		
1,1-Dichloroethene	0.04588	0.0050	0.05	0	91.8	70	130	0	0		
1,2-Dichloroethane	0.0482	0.0050	0.05	0	96.4	70	130	0	0		
1,2-Dichloropropane	0.04702	0.0050	0.05	0	94	70	130	0	0		
2-Butanone	0.04659	0.010	0.05	0	93.2	70	130	0	0		
2-Hexanone	0.04519	0.010	0.05	0	90.4	70	130	0	0		
4-Methyl-2-pentanone	0.04193	0.010	0.05	0	83.9	70	130	0	0		
Acetone	0.06639	0.025	0.05	0.00561	122	70	130	0	0		
Benzene	0.04342	0.0050	0.05	0	86.8	70	130	0	0		
Bromodichloromethane	0.04718	0.0050	0.05	0	94.4	70	130	0	0		
Bromoform	0.04826	0.0050	0.05	0	96.5	70	130	0	0		
Bromomethane	0.02729	0.010	0.05	0	54.6	70	130	0	0		S
Carbon disulfide	0.0482	0.0050	0.05	0	96.4	70	130	0	0		
Carbon tetrachloride	0.04623	0.0050	0.05	0	92.5	70	130	0	0		
Chlorobenzene	0.04695	0.0050	0.05	0	93.9	70	130	0	0		
Chloroethane	0.04731	0.010	0.05	0	94.6	70	130	0	0		
Chloroform	0.04846	0.0050	0.05	0	96.9	70	130	0	0		
Chloromethane	0.04409	0.010	0.05	0	88.2	70	130	0	0		
cis-1,2-Dichloroethene	0.04954	0.0050	0.05	0	99.1	70	130	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Burns & McDonnell
Work Order: 0206122
Project: 29168, Hawthorne Parcel 1

ANALYTICAL QC SUMMARY REPORT

BatchID: R3716

Sample ID: **VLCSD062402-3** SampType: **LCS** TestCode: **VOC_5035+** Units: **mg/Kg** Prep Date: Run ID: **VOA-3_020624A**
Client ID: **ZZZZZ** Batch ID: **R3716** TestNo: **SW5035/8260** Analysis Date: **6/24/2002** SeqNo: **72165**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
cis-1,3-Dichloropropene	0.04554	0.0050	0.05	0	91.1	70	130	0	0		
Dibromochloromethane	0.04796	0.0050	0.05	0	95.9	70	130	0	0		
Ethylbenzene	0.04583	0.0050	0.05	0	91.7	70	130	0	0		
m,p-Xylene	0.09596	0.0050	0.1	0	96	70	130	0	0		
Methylene chloride	0.0465	0.010	0.05	0	93	70	130	0	0		
o-Xylene	0.04768	0.0050	0.05	0	95.4	70	130	0	0		
Styrene	0.0472	0.0050	0.05	0	94.4	70	130	0	0		
Tetrachloroethene	0.04727	0.0050	0.05	0	94.5	70	130	0	0		
Toluene	0.04354	0.0050	0.05	0	87.1	70	130	0	0		
trans-1,2-Dichloroethene	0.04956	0.0050	0.05	0	99.1	70	130	0	0		
trans-1,3-Dichloropropene	0.05273	0.0050	0.05	0	105	70	130	0	0		
Trichloroethene	0.04421	0.0050	0.05	0	88.4	70	130	0	0		
Vinyl chloride	0.04735	0.0050	0.05	0	94.7	70	130	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
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R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Burns & McDonnell
Work Order: 0206122
Project: 29168, Hawthorne Parcel 1

ANALYTICAL QC SUMMARY REPORT

BatchID: R3724

Sample ID: VBLK062402-2 SampType: MBLK TestCode: VOC_5035+ Units: mg/Kg Prep Date: Run ID: VOA-2_020624A
Client ID: ZZZZZ Batch ID: R3724 TestNo: SW5035/8260 Analysis Date: 6/24/2002 SeqNo: 72378

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	ND	0.0050									
1,1,2,2-Tetrachloroethane	ND	0.0050									
1,1,2-Trichloroethane	ND	0.0050									
1,1-Dichloroethane	ND	0.0050									
1,1-Dichloroethene	ND	0.0050									
1,2-Dichloroethane	ND	0.0050									
1,2-Dichloropropane	ND	0.0050									
2-Butanone	ND	0.010									
2-Hexanone	ND	0.010									
4-Methyl-2-pentanone	ND	0.010									
Acetone	ND	0.025									
Benzene	ND	0.0050									
Bromodichloromethane	ND	0.0050									
Bromoform	ND	0.0050									
Bromomethane	ND	0.010									
Carbon disulfide	ND	0.0050									
Carbon tetrachloride	ND	0.0050									
Chlorobenzene	ND	0.0050									
Chloroethane	ND	0.010									
Chloroform	ND	0.0050									
Chloromethane	ND	0.010									
cis-1,2-Dichloroethene	ND	0.0050									
cis-1,3-Dichloropropene	ND	0.0050									
Dibromochloromethane	ND	0.0050									
Ethylbenzene	ND	0.0050									
m,p-Xylene	ND	0.0050									
Methylene chloride	ND	0.010									
o-Xylene	ND	0.0050									
Styrene	ND	0.0050									
Tetrachloroethene	ND	0.0050									
Toluene	0.00053	0.0050									J

Qualifiers: ND - Not Detected at the Reporting Limit
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B - Analyte detected in the associated Method Blank

CLIENT: Burns & McDonnell
Work Order: 0206122
Project: 29168, Hawthorne Parcel 1

ANALYTICAL QC SUMMARY REPORT

BatchID: R3724

Sample ID: VBLK062402-2 SampType: MBLK TestCode: VOC_5035+ Units: mg/Kg Prep Date: Run ID: VOA-2_020624A
Client ID: ZZZZZ Batch ID: R3724 TestNo: SW5035/8260 Analysis Date: 6/24/2002 SeqNo: 72378

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,2-Dichloroethene	ND	0.0050									
trans-1,3-Dichloropropene	ND	0.0050									
Trichloroethene	ND	0.0050									
Vinyl chloride	ND	0.0050									

Sample ID: VLCS062402-2 SampType: LCS TestCode: VOC_5035+ Units: mg/Kg Prep Date: Run ID: VOA-2_020624A
Client ID: ZZZZZ Batch ID: R3724 TestNo: SW5035/8260 Analysis Date: 6/24/2002 SeqNo: 72392

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	0.0525	0.0050	0.05	0	105	70	130	0	0		
1,1,2,2-Tetrachloroethane	0.05013	0.0050	0.05	0	100	70	130	0	0		
1,1,2-Trichloroethane	0.05139	0.0050	0.05	0	103	70	130	0	0		
1,1-Dichloroethane	0.04747	0.0050	0.05	0	94.9	70	130	0	0		
1,1-Dichloroethene	0.05456	0.0050	0.05	0	109	70	130	0	0		
1,2-Dichloroethane	0.04972	0.0050	0.05	0	99.4	70	130	0	0		
1,2-Dichloropropane	0.05058	0.0050	0.05	0	101	70	130	0	0		
2-Butanone	0.05094	0.010	0.05	0	102	70	130	0	0		
2-Hexanone	0.05408	0.010	0.05	0	108	70	130	0	0		
4-Methyl-2-pentanone	0.05265	0.010	0.05	0	105	70	130	0	0		
Acetone	0.04991	0.025	0.05	0	99.8	70	130	0	0		
Benzene	0.05004	0.0050	0.05	0	100	70	130	0	0		
Bromodichloromethane	0.05306	0.0050	0.05	0	106	70	130	0	0		
Bromoform	0.05802	0.0050	0.05	0	116	70	130	0	0		
Bromomethane	0.04128	0.010	0.05	0	82.6	70	130	0	0		
Carbon disulfide	0.05241	0.0050	0.05	0	105	70	130	0	0		
Carbon tetrachloride	0.05276	0.0050	0.05	0	106	70	130	0	0		
Chlorobenzene	0.05081	0.0050	0.05	0	102	70	130	0	0		
Chloroethane	0.05198	0.010	0.05	0	104	70	130	0	0		
Chloroform	0.05005	0.0050	0.05	0	100	70	130	0	0		
Chloromethane	0.0498	0.010	0.05	0	99.6	70	130	0	0		
cis-1,2-Dichloroethene	0.05129	0.0050	0.05	0	103	70	130	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Burns & McDonnell
Work Order: 0206122
Project: 29168, Hawthorne Parcel 1

ANALYTICAL QC SUMMARY REPORT

BatchID: R3724

Sample ID: VLCS062402-2 SampType: LCS TestCode: VOC_5035+ Units: mg/Kg Prep Date: Run ID: VOA-2_020624A
Client ID: ZZZZZ Batch ID: R3724 TestNo: SW5035/8260 Analysis Date: 6/24/2002 SeqNo: 72392

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
cis-1,3-Dichloropropene	0.05012	0.0050	0.05	0	100	70	130	0	0		
Dibromochloromethane	0.05586	0.0050	0.05	0	112	70	130	0	0		
Ethylbenzene	0.0493	0.0050	0.05	0	98.6	70	130	0	0		
m,p-Xylene	0.1027	0.0050	0.1	0	103	70	130	0	0		
Methylene chloride	0.05421	0.010	0.05	0	108	70	130	0	0		
o-Xylene	0.05112	0.0050	0.05	0	102	70	130	0	0		
Styrene	0.05027	0.0050	0.05	0	101	70	130	0	0		
Tetrachloroethene	0.05197	0.0050	0.05	0	104	70	130	0	0		
Toluene	0.05048	0.0050	0.05	0.00053	99.9	70	130	0	0		
trans-1,2-Dichloroethene	0.05216	0.0050	0.05	0	104	70	130	0	0		
trans-1,3-Dichloropropene	0.05737	0.0050	0.05	0	115	70	130	0	0		
Trichloroethene	0.05119	0.0050	0.05	0	102	70	130	0	0		
Vinyl chloride	0.0394	0.0050	0.05	0	78.8	70	130	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Burns & McDonnell
Work Order: 0206122
Project: 29168, Hawthorne Parcel 1

ANALYTICAL QC SUMMARY REPORT

BatchID: R3731

Sample ID: VBLK062502-2 | SampType: MBLK | TestCode: VOC_5035+ | Units: mg/Kg | Prep Date: | Run ID: VOA-2_020625A
Client ID: ZZZZZ | Batch ID: R3731 | TestNo: SW5035/8260 | Analysis Date: 6/25/2002 | SeqNo: 72478

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	ND	0.0050									
1,1,2,2-Tetrachloroethane	ND	0.0050									
1,1,2-Trichloroethane	ND	0.0050									
1,1-Dichloroethane	ND	0.0050									
1,1-Dichloroethene	ND	0.0050									
1,2-Dichloroethane	ND	0.0050									
1,2-Dichloropropane	ND	0.0050									
2-Butanone	ND	0.010									
2-Hexanone	ND	0.010									
4-Methyl-2-pentanone	ND	0.010									
Acetone	ND	0.025									
Benzene	ND	0.0050									
Bromodichloromethane	ND	0.0050									
Bromoform	ND	0.0050									
Bromomethane	ND	0.010									
Carbon disulfide	ND	0.0050									
Carbon tetrachloride	ND	0.0050									
Chlorobenzene	ND	0.0050									
Chloroethane	ND	0.010									
Chloroform	ND	0.0050									
Chloromethane	ND	0.010									
cis-1,2-Dichloroethene	ND	0.0050									
cis-1,3-Dichloropropene	ND	0.0050									
Dibromochloromethane	ND	0.0050									
Ethylbenzene	ND	0.0050									
m,p-Xylene	ND	0.0050									
Methylene chloride	ND	0.010									
o-Xylene	ND	0.0050									
Styrene	ND	0.0050									
Tetrachloroethene	ND	0.0050									
Toluene	ND	0.0050									

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Burns & McDonnell
Work Order: 0206122
Project: 29168, Hawthorne Parcel 1

ANALYTICAL QC SUMMARY REPORT

BatchID: R3731

Sample ID: **VBLK062502-2** SampType: **MBLK** TestCode: **VOC_5035+** Units: **mg/Kg** Prep Date: Run ID: **VOA-2_020625A**
Client ID: **ZZZZZ** Batch ID: **R3731** TestNo: **SW5035/8260** Analysis Date: **6/25/2002** SeqNo: **72478**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,2-Dichloroethene	ND	0.0050									
trans-1,3-Dichloropropene	ND	0.0050									
Trichloroethene	ND	0.0050									
Vinyl chloride	ND	0.0050									

Sample ID: **VLCS062502-2** SampType: **LCS** TestCode: **VOC_5035+** Units: **mg/Kg** Prep Date: Run ID: **VOA-2_020625A**
Client ID: **ZZZZZ** Batch ID: **R3731** TestNo: **SW5035/8260** Analysis Date: **6/25/2002** SeqNo: **72480**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	0.05496	0.0050	0.05	0	110	70	130	0	0		
1,1,2,2-Tetrachloroethane	0.04919	0.0050	0.05	0	98.4	70	130	0	0		
1,1,2-Trichloroethane	0.05149	0.0050	0.05	0	103	70	130	0	0		
1,1-Dichloroethane	0.04945	0.0050	0.05	0	98.9	70	130	0	0		
1,1-Dichloroethene	0.05696	0.0050	0.05	0	114	70	130	0	0		
1,2-Dichloroethane	0.052	0.0050	0.05	0	104	70	130	0	0		
1,2-Dichloropropane	0.0517	0.0050	0.05	0	103	70	130	0	0		
2-Butanone	0.05175	0.010	0.05	0	104	70	130	0	0		
2-Hexanone	0.05348	0.010	0.05	0	107	70	130	0	0		
4-Methyl-2-pentanone	0.0524	0.010	0.05	0	105	70	130	0	0		
Acetone	0.05354	0.025	0.05	0	107	70	130	0	0		
Benzene	0.05172	0.0050	0.05	0	103	70	130	0	0		
Bromodichloromethane	0.0542	0.0050	0.05	0	108	70	130	0	0		
Bromoform	0.05589	0.0050	0.05	0	112	70	130	0	0		
Bromomethane	0.04163	0.010	0.05	0	83.3	70	130	0	0		
Carbon disulfide	0.05663	0.0050	0.05	0	113	70	130	0	0		
Carbon tetrachloride	0.05599	0.0050	0.05	0	112	70	130	0	0		
Chlorobenzene	0.05102	0.0050	0.05	0	102	70	130	0	0		
Chloroethane	0.0565	0.010	0.05	0	113	70	130	0	0		
Chloroform	0.05231	0.0050	0.05	0	105	70	130	0	0		
Chloromethane	0.05205	0.010	0.05	0	104	70	130	0	0		
cis-1,2-Dichloroethene	0.05358	0.0050	0.05	0	107	70	130	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
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CLIENT: Burns & McDonnell
Work Order: 0206122
Project: 29168, Hawthorne Parcel 1

ANALYTICAL QC SUMMARY REPORT

BatchID: R3731

Sample ID: VLCS062502-2 SampType: LCS TestCode: VOC_5035+ Units: mg/Kg Prep Date: Run ID: VOA-2_020625A
Client ID: ZZZZZ Batch ID: R3731 TestNo: SW5035/8260 Analysis Date: 6/25/2002 SeqNo: 72480

Analyte	Result	PQL	SPK value	SPK Ref Val.	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
cis-1,3-Dichloropropene	0.05264	0.0050	0.05	0	105	70	130	0	0		
Dibromochloromethane	0.05545	0.0050	0.05	0	111	70	130	0	0		
Ethylbenzene	0.0503	0.0050	0.05	0	101	70	130	0	0		
m,p-Xylene	0.1029	0.0050	0.1	0	103	70	130	0	0		
Methylene chloride	0.05478	0.010	0.05	0	110	70	130	0	0		
o-Xylene	0.05068	0.0050	0.05	0	101	70	130	0	0		
Styrene	0.05054	0.0050	0.05	0	101	70	130	0	0		
Tetrachloroethene	0.05331	0.0050	0.05	0	107	70	130	0	0		
Toluene	0.05165	0.0050	0.05	0	103	70	130	0	0		
trans-1,2-Dichloroethene	0.05552	0.0050	0.05	0	111	70	130	0	0		
trans-1,3-Dichloropropene	0.05804	0.0050	0.05	0	116	70	130	0	0		
Trichloroethene	0.05259	0.0050	0.05	0	105	70	130	0	0		
Vinyl chloride	0.04358	0.0050	0.05	0	87.2	70	130	0	0		

Qualifiers:
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CLIENT: Burns & McDonnell
Work Order: 0206122
Project: 29168, Hawthorne Parcel 1

ANALYTICAL QC SUMMARY REPORT

BatchID: 3066

Sample ID: TCNMBS1 062002 SampType: MBLK TestCode: cn_Ts Units: mg/Kg Prep Date: 6/20/2002 Run ID: LACHAT_020624B
Client ID: ZZZZZ Batch ID: 3066 TestNo: SW9012A Analysis Date: 6/24/2002 SeqNo: 71864

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	ND	0.25									

Sample ID: TCNLCSS1 062002 SampType: LCS TestCode: cn_Ts Units: mg/Kg Prep Date: 6/20/2002 Run ID: LACHAT_020624B
Client ID: ZZZZZ Batch ID: 3066 TestNo: SW9012A Analysis Date: 6/24/2002 SeqNo: 71865

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	12.07	0.25	12.5	0	96.5	90	110	0	0		

Sample ID: TCNLCSDS1 062002 SampType: LCSD TestCode: cn_Ts Units: mg/Kg Prep Date: 6/20/2002 Run ID: LACHAT_020624B
Client ID: ZZZZZ Batch ID: 3066 TestNo: SW9012A Analysis Date: 6/24/2002 SeqNo: 71866

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	12.41	0.25	12.5	0	99.3	90	110	12.07	2.79	20	

Sample ID: 0206107-003BMS SampType: MS TestCode: cn_Ts Units: mg/Kg-dry Prep Date: 6/20/2002 Run ID: LACHAT_020624B
Client ID: ZZZZZ Batch ID: 3066 TestNo: SW9012A Analysis Date: 6/24/2002 SeqNo: 71868

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	13.88	0.25	12.64	1.959	94.1	75	125	0	0		

Sample ID: 0206107-003BMSD SampType: MSD TestCode: cn_Ts Units: mg/Kg-dry Prep Date: 6/20/2002 Run ID: LACHAT_020624B
Client ID: ZZZZZ Batch ID: 3066 TestNo: SW9012A Analysis Date: 6/24/2002 SeqNo: 71869

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	13.69	0.25	12.4	1.959	94.5	75	125	13.72	1.35	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Burns & McDonnell
Work Order: 0206122
Project: 29168, Hawthorne Parcel 1

ANALYTICAL QC SUMMARY REPORT

BatchID: 3108

Sample ID: TCNMBS1 062002 SampType: MBLK TestCode: cn_Ts Units: mg/Kg Prep Date: 6/20/2002 Run ID: LACHAT_020626A
Client ID: ZZZZZ Batch ID: 3108 TestNo: SW9012A Analysis Date: 6/26/2002 SeqNo: 72802

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	ND	0.25									

Sample ID: TCNLCSS1 062002 SampType: LCS TestCode: cn_Ts Units: mg/Kg Prep Date: 6/20/2002 Run ID: LACHAT_020626A
Client ID: ZZZZZ Batch ID: 3108 TestNo: SW9012A Analysis Date: 6/26/2002 SeqNo: 72803

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	13.46	0.25	12.5	0	108	90	110	0	0		

Sample ID: TCNLCSDS1 062002 SampType: LCSD TestCode: cn_Ts Units: mg/Kg Prep Date: 6/20/2002 Run ID: LACHAT_020626A
Client ID: ZZZZZ Batch ID: 3108 TestNo: SW9012A Analysis Date: 6/26/2002 SeqNo: 72804

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	13.44	0.25	12.5	0	108	90	110	13.46	0.119	20	

Sample ID: 0206107-005BMS SampType: MS TestCode: cn_Ts Units: mg/Kg-dry Prep Date: 6/20/2002 Run ID: LACHAT_020626A
Client ID: ZZZZZ Batch ID: 3108 TestNo: SW9012A Analysis Date: 6/26/2002 SeqNo: 72806

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	15.32	0.31	15.38	2.538	83.2	75	125	0	0		

Sample ID: 0206107-005BMSD SampType: MSD TestCode: cn_Ts Units: mg/Kg-dry Prep Date: 6/20/2002 Run ID: LACHAT_020626A
Client ID: ZZZZZ Batch ID: 3108 TestNo: SW9012A Analysis Date: 6/26/2002 SeqNo: 72807

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	15.16	0.30	15.22	2.538	82.9	75	125	15.32	1.11	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Burns & McDonnell
Work Order: 0206122
Project: 29168, Hawthorne Parcel 1

ANALYTICAL QC SUMMARY REPORT

BatchID: 3109

Sample ID: TCNMBS1 062102 SampType: MBLK TestCode: cn_Ts Units: mg/Kg Prep Date: 6/21/2002 Run ID: LACHAT_020626B
Client ID: ZZZZZ Batch ID: 3109 TestNo: SW9012A Analysis Date: 6/26/2002 SeqNo: 72853

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	ND	0.25									

Sample ID: TCNLCSS1 062102 SampType: LCS TestCode: cn_Ts Units: mg/Kg Prep Date: 6/21/2002 Run ID: LACHAT_020626B
Client ID: ZZZZZ Batch ID: 3109 TestNo: SW9012A Analysis Date: 6/26/2002 SeqNo: 72854

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	13.44	0.25	12.5	0	108	90	110	0	0		

Sample ID: TCNLCSDS1 062102 SampType: LCSD TestCode: cn_Ts Units: mg/Kg Prep Date: 6/21/2002 Run ID: LACHAT_020626B
Client ID: ZZZZZ Batch ID: 3109 TestNo: SW9012A Analysis Date: 6/26/2002 SeqNo: 72855

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	13.45	0.25	12.5	0	108	90	110	13.44	0.0224	20	

Sample ID: 0206122-007BMS SampType: MS TestCode: cn_Ts Units: mg/Kg-dry Prep Date: 6/21/2002 Run ID: LACHAT_020626B
Client ID: HAS SP06 002 Batch ID: 3109 TestNo: SW9012A Analysis Date: 6/26/2002 SeqNo: 72857

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	13.12	0.31	15.26	0	86	75	125	0	0		

Sample ID: 0206122-007BMSD SampType: MSD TestCode: cn_Ts Units: mg/Kg-dry Prep Date: 6/21/2002 Run ID: LACHAT_020626B
Client ID: HAS SP06 002 Batch ID: 3109 TestNo: SW9012A Analysis Date: 6/26/2002 SeqNo: 72858

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	13.38	0.31	15.26	0	87.7	75	125	13.12	2.01	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

Burns & McDonnell SINCE 1898

Request for Chemical Analysis and Chain of Custody Record

Burns & McDonnell Engineering
2601 W. 22nd St
Oak Brook, Illinois 60523
Phone: (630) 990-0300 Fax: (630) 990-0301

Attention: Margaret Kelley

Laboratory: Stat Analysis
Address: 2201 W. Campbell Park Dr.
City/State/Zip: Chicago IL 60612
Telephone: 312-733-0551

Document Control No: HAS-003 (PARCEL)
Lab. Reference No. or Episode No.:

Project Number: 29168
Site Name: Hawthorne Parcel

Sample Number: Group or SWMU Name	Sample Number: Sample Point	Sample Number: Sample Designator	Sample Event: Round	Sample Event: Year	Sample Depth (in feet): From	Sample Depth (in feet): To	Sample Collected: Date	Sample Collected: Time	Sample Type / Matrix: Liquid	Sample Type / Matrix: Solid	Sample Type / Matrix: Gas	Number of Containers	TCL VOCs	TCL SVOCs	PAH	PCB	R.P. Metals	Total Cyanide	Remarks
HAS	SP01	001			14'	16'	6/17/02	11:30		✓		4	✓	✓	✓	✓	✓	✓	
HAS	SP02	001			7'	8'	"	12:15		✓		4	✓	✓	✓	✓	✓	✓	
	SP03	001			10'	11'	"	1:30		✓		4	✓	✓	✓	✓	✓	✓	
	SP05	001			2'	3'	"	2:45		✓		4	✓	✓	✓	✓	✓	✓	
	SP05	002			7'	8'	"	3:00		✓		4	✓	✓	✓	✓	✓	✓	
	SP06	001			1'	3'	"	4pm		✓		4	✓	✓	✓	✓	✓	✓	
	SP06	002			9'	11'	"	4:15		✓		4	✓	✓	✓	✓	✓	✓	
	SP07	001			2'	3'	"	4:35		✓		4	✓	✓	✓	✓	✓	✓	
	SP07	002			7'	8"	"	5:00pm		✓		4	✓	✓	✓	✓	✓	✓	

KCL

Sampler (signature): Christy Barry

Sampler (signature):

Custody Seal Number: 0617001, 0617002

Special Instructions: 5 DAY Turn around time.

Relinquished By (signature): 1. Kathi Heber — Date/Time: 6/17/02 5:00pm

Received By (signature): [illegible] 6-17-02 5:15 — Date/Time:

Relinquished By (signature): 2. — Date/Time:

Received By (signature): — Date/Time:

Ice Present in Container: Yes ☐ No ☐

Temperature Upon Receipt:

Laboratory Comments:

STAT Analysis Corporation
2201 West Campbell Park Drive Chicago, IL 60612-3547 312.733.0551 Fax:312.733.2386
e-mail address: STATinfo@STATAnalysis.com AIHA accredited 10248, NVLAP accredited 101202-0

July 03, 2002

Margaret Kelley
Burns & McDonnell
2601 W. 22nd Street
OakBrook, IL 60523-1229
Telephone: (630) 990-0300
Fax: (630) 990-0301

RE: 26168, Hawthorne Parcel 1 STAT Project No: 0206134

Dear Margaret Kelley:

STAT Analysis received ~~17~~ 12 JAK samples for the referenced project on 6/18/2002. The analytical results are presented in the following report.

All analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except where noted in the Case Narrative.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,

Craig Chawla
Project Manager

STAT Analysis Corporation

Date: July 25, 2002

Client: Burns & McDonnell
Project: 26168, Hawthorne Parcel 1
Lab Order: 0206134

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
0206134-001A	HAS SP07 003	9'-11'	6/17/2002 5:30:00 PM	6/18/2002
0206134-001B	HAS SP07 003	9'-11'	6/17/2002 5:30:00 PM	6/18/2002
0206134-002A	HAS SP08 001	2'-3'	6/17/2002 6:00:00 PM	6/18/2002
0206134-002B	HAS SP08 001	2'-3'	6/17/2002 6:00:00 PM	6/18/2002
0206134-003A	HAS SP08 002	6'-7'	6/17/2002 6:15:00 PM	6/18/2002
0206134-003B	HAS SP08 002	6'-7'	6/17/2002 6:15:00 PM	6/18/2002
0206134-004A	HAS SP09 001	2'-3'	6/18/2002 11:00:00 AM	6/18/2002
0206134-004B	HAS SP09 001	2'-3'	6/18/2002 11:00:00 AM	6/18/2002
0206134-005A	HAS SP09 002	6'-7'	6/18/2002 11:15:00 AM	6/18/2002
0206134-005B	HAS SP09 002	6'-7'	6/18/2002 11:15:00 AM	6/18/2002
0206134-006A	HAS SP10 001	1'-2'	6/18/2002 11:55:00 AM	6/18/2002
0206134-006B	HAS SP10 001	1'-2'	6/18/2002 11:55:00 AM	6/18/2002
0206134-007A	HAS SP10 002	7'-8'	6/18/2002 12:15:00 PM	6/18/2002
0206134-007B	HAS SP10 002	7'-8'	6/18/2002 12:15:00 PM	6/18/2002
0206134-008A	HAS SP11 001	2'-3'	6/18/2002 12:30:00 PM	6/18/2002
0206134-008B	HAS SP11 001	2'-3'	6/18/2002 12:30:00 PM	6/18/2002
0206134-009A	HAS SP11 002	9'-10'	6/18/2002 12:55:00 PM	6/18/2002
0206134-009B	HAS SP11 002	9'-10'	6/18/2002 12:55:00 PM	6/18/2002
0206134-010A	HAS SP11 003	15'-16'	6/18/2002 1:10:00 PM	6/18/2002
0206134-010B	HAS SP11 003	15'-16'	6/18/2002 1:10:00 PM	6/18/2002
0206134-011A	HAS SP12 001	1'-3'	6/18/2002 2:25:00 PM	6/18/2002
0206134-011B	HAS SP12 001	1'-3'	6/18/2002 2:25:00 PM	6/18/2002
0206134-012A	HAS SP12 002	7'-8'	6/18/2002 2:30:00 PM	6/18/2002
0206134-012B	HAS SP12 002	7'-8'	6/18/2002 2:30:00 PM	6/18/2002

STAT Analysis Corporation
2201 West Campbell Park Drive Chicago, IL 60612-3547
Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATanalysis.com

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AIHA Environmental Lead and Industrial Hygiene ACCREDITED LABORATORY

Date Reported: July 03, 2002
Date Printed: July 25, 2002

Client: Burns & McDonnell
Lab Order: 0206134
Project: 26168, Hawthorne Parcel 1
Lab ID: 0206134-001

Client Sample ID: HAS SP07 003
Collection Date: 6/17/2002 5:30:00 PM
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCBs	**SW8082**			Prep Date: **6/28/2002**		Analyst: **JF**
Aroclor 1016	ND	0.095		mg/Kg-dry	1	6/28/2002
Aroclor 1221	ND	0.095		mg/Kg-dry	1	6/28/2002
Aroclor 1232	ND	0.095		mg/Kg-dry	1	6/28/2002
Aroclor 1242	ND	0.095		mg/Kg-dry	1	6/28/2002
Aroclor 1248	ND	0.095		mg/Kg-dry	1	6/28/2002
Aroclor 1254	ND	0.19		mg/Kg-dry	1	6/28/2002
Aroclor 1260	ND	0.19		mg/Kg-dry	1	6/28/2002
Mercury	**SW7471A**			Prep Date: **6/24/2002**		Analyst: **DRJ**
Mercury	ND	0.029		mg/Kg-dry	1	6/24/2002
Metals by ICP/MS	**SW6020**			Prep Date: **6/21/2002**		Analyst: **MCL**
Antimony	ND	1.2	UJ	mg/Kg-dry	10	6/27/2002
Arsenic	8.5	0.58		mg/Kg-dry	10	6/27/2002
Beryllium	ND	0.58		mg/Kg-dry	10	6/27/2002
Cadmium	ND	0.58		mg/Kg-dry	10	6/27/2002
Chromium	18	1.2		mg/Kg-dry	10	6/27/2002
Copper	28	1.2	J	mg/Kg-dry	10	6/27/2002
Lead	16	0.58		mg/Kg-dry	10	6/27/2002
Nickel	33	1.2		mg/Kg-dry	10	6/27/2002
Selenium	ND	1.2		mg/Kg-dry	10	6/27/2002
Silver	ND	1.2		mg/Kg-dry	10	6/27/2002
Thallium	ND	1.2		mg/Kg-dry	10	6/27/2002
Zinc	43	5.8	J	mg/Kg-dry	10	6/27/2002
Polynuclear Aromatic Hydrocarbons	**SW8270(SIM)**			Prep Date: **6/27/2002**		Analyst: **VS**
Acenaphthene	ND	0.03		mg/Kg-dry	1	6/28/2002
Acenaphthylene	ND	0.03		mg/Kg-dry	1	6/28/2002
Anthracene	ND	0.03		mg/Kg-dry	1	6/28/2002
Benz(a)anthracene	ND	0.03		mg/Kg-dry	1	6/28/2002
Benzo(b)fluoranthene	ND	0.03		mg/Kg-dry	1	6/28/2002
Benzo(k)fluoranthene	ND	0.03		mg/Kg-dry	1	6/28/2002
Benzo(g,h,i)perylene	ND	0.03		mg/Kg-dry	1	6/28/2002
Benzo(a)pyrene	ND	0.03		mg/Kg-dry	1	6/28/2002
Chrysene	ND	0.03		mg/Kg-dry	1	6/28/2002
Dibenz(a,h)anthracene	ND	0.03		mg/Kg-dry	1	6/28/2002
Fluoranthene	ND	0.03		mg/Kg-dry	1	6/28/2002
Fluorene	ND	0.03		mg/Kg-dry	1	6/28/2002
Indeno(1,2,3-cd)pyrene	ND	0.03		mg/Kg-dry	1	6/28/2002
Naphthalene	ND	0.03		mg/Kg-dry	1	6/28/2002

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J = estimated value; poor MS/MSD recovery. JAK U = non-detect. JAK

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AIHA Environmental Lead and Industrial Hygiene ACCREDITED LABORATORY

Date Reported: July 03, 2002
Date Printed: July 25, 2002

Client: Burns & McDonnell
Lab Order: 0206134
Project: 26168, Hawthorne Parcel 1
Lab ID: 0206134-001

Client Sample ID: HAS SP07 003
Collection Date: 6/17/2002 5:30:00 PM
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Polynuclear Aromatic Hydrocarbons		**SW8270(SIM)**		Prep Date: **6/27/2002**		Analyst: **VS**
Phenanthrene	ND	0.03		mg/Kg-dry	1	6/28/2002
Pyrene	ND	0.03		mg/Kg-dry	1	6/28/2002
Semivolatile Organic Compounds by GC/MS		**SW8270C**		Prep Date: **6/27/2002**		Analyst: **JF**
Bis(2-chloroethoxy)methane	ND	0.4		mg/Kg-dry	1	6/29/2002
Bis(2-chloroethyl)ether	ND	0.4		mg/Kg-dry	1	6/29/2002
Bis(2-ethylhexyl)phthalate	ND	0.4		mg/Kg-dry	1	6/29/2002
4-Bromophenyl phenyl ether	ND	0.4		mg/Kg-dry	1	6/29/2002
Butyl benzyl phthalate	ND	0.4		mg/Kg-dry	1	6/29/2002
Carbazole	ND	0.4		mg/Kg-dry	1	6/29/2002
4-Chloro-3-methylphenol	ND	0.4		mg/Kg-dry	1	6/29/2002
4-Chloroaniline	ND	0.4		mg/Kg-dry	1	6/29/2002
2-Chloronaphthalene	ND	0.4		mg/Kg-dry	1	6/29/2002
2-Chlorophenol	ND	0.4		mg/Kg-dry	1	6/29/2002
4-Chlorophenyl phenyl ether	ND	0.4		mg/Kg-dry	1	6/29/2002
Dibenzofuran	ND	0.4		mg/Kg-dry	1	6/29/2002
1,2-Dichlorobenzene	ND	0.4		mg/Kg-dry	1	6/29/2002
1,3-Dichlorobenzene	ND	0.4		mg/Kg-dry	1	6/29/2002
1,4-Dichlorobenzene	ND	0.4		mg/Kg-dry	1	6/29/2002
3,3'-Dichlorobenzidine	ND	0.8		mg/Kg-dry	1	6/29/2002
2,4-Dichlorophenol	ND	0.4		mg/Kg-dry	1	6/29/2002
Diethyl phthalate	ND	0.4		mg/Kg-dry	1	6/29/2002
Dimethyl phthalate	ND	0.4		mg/Kg-dry	1	6/29/2002
Di-n-butyl phthalate	ND	0.4		mg/Kg-dry	1	6/29/2002
2,4-Dimethylphenol	ND	0.4		mg/Kg-dry	1	6/29/2002
4,6-Dinitro-2-methylphenol	ND	1.9		mg/Kg-dry	1	6/29/2002
2,4-Dinitrophenol	ND	1.9		mg/Kg-dry	1	6/29/2002
2,4-Dinitrotoluene	ND	0.3		mg/Kg-dry	1	6/29/2002
2,6-Dinitrotoluene	ND	0.3		mg/Kg-dry	1	6/29/2002
Di-n-octyl phthalate	ND	0.4		mg/Kg-dry	1	6/29/2002
Hexachlorobenzene	ND	0.4		mg/Kg-dry	1	6/29/2002
Hexachlorobutadiene	ND	0.4		mg/Kg-dry	1	6/29/2002
Hexachlorocyclopentadiene	ND	0.4		mg/Kg-dry	1	6/29/2002
Hexachloroethane	ND	0.4		mg/Kg-dry	1	6/29/2002
Isophorone	ND	0.4		mg/Kg-dry	1	6/29/2002
2-Methylnaphthalene	ND	0.4		mg/Kg-dry	1	6/29/2002
2-Methylphenol	ND	0.4		mg/Kg-dry	1	6/29/2002
4-Methylphenol	ND	0.4		mg/Kg-dry	1	6/29/2002
2-Nitroaniline	ND	1.9		mg/Kg-dry	1	6/29/2002

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Date Reported: July 03, 2002
Date Printed: July 25, 2002

Client: Burns & McDonnell
Lab Order: 0206134
Project: 26168, Hawthorne Parcel 1
Lab ID: 0206134-001

Client Sample ID: HAS SP07 003
Collection Date: 6/17/2002 5:30:00 PM
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	**SW8270C**			Prep Date: **6/27/2002**		Analyst: **JF**
3-Nitroaniline	ND	1.9		mg/Kg-dry	1	6/29/2002
4-Nitroaniline	ND	1.9		mg/Kg-dry	1	6/29/2002
Nitrobenzene	ND	0.4		mg/Kg-dry	1	6/29/2002
2-Nitrophenol	ND	1.9		mg/Kg-dry	1	6/29/2002
4-Nitrophenol	ND	1.9		mg/Kg-dry	1	6/29/2002
N-Nitrosodi-n-propylamine	ND	0.4		mg/Kg-dry	1	6/29/2002
N-Nitrosodiphenylamine	ND	0.4		mg/Kg-dry	1	6/29/2002
2, 2'-oxybis(1-Chloropropane)	ND	0.4		mg/Kg-dry	1	6/29/2002
Pentachlorophenol	ND	1.9		mg/Kg-dry	1	6/29/2002
Phenol	ND	0.4		mg/Kg-dry	1	6/29/2002
1,2,4-Trichlorobenzene	ND	0.4		mg/Kg-dry	1	6/29/2002
2,4,5-Trichlorophenol	ND	0.8		mg/Kg-dry	1	6/29/2002
2,4,6-Trichlorophenol	ND	0.4		mg/Kg-dry	1	6/29/2002
Volatile Organic Compounds by GC/MS	**SW5035/8260B**			Prep Date: **6/19/2002**		Analyst: **PS**
Acetone	ND	0.039		mg/Kg-dry	1	6/27/2002
Benzene	ND	0.0078		mg/Kg-dry	1	6/27/2002
Bromodichloromethane	ND	0.0078		mg/Kg-dry	1	6/27/2002
Bromoform	ND	0.0078		mg/Kg-dry	1	6/27/2002
Bromomethane	ND	0.016		mg/Kg-dry	1	6/27/2002
2-Butanone	ND	0.016		mg/Kg-dry	1	6/27/2002
Carbon disulfide	ND	0.0078		mg/Kg-dry	1	6/27/2002
Carbon tetrachloride	ND	0.0078		mg/Kg-dry	1	6/27/2002
Chlorobenzene	ND	0.0078		mg/Kg-dry	1	6/27/2002
Chloroethane	ND	0.016		mg/Kg-dry	1	6/27/2002
Chloroform	ND	0.0078		mg/Kg-dry	1	6/27/2002
Chloromethane	ND	0.0078		mg/Kg-dry	1	6/27/2002
Dibromochloromethane	ND	0.0078		mg/Kg-dry	1	6/27/2002
1,1-Dichloroethane	ND	0.0078		mg/Kg-dry	1	6/27/2002
1,2-Dichloroethane	ND	0.0078		mg/Kg-dry	1	6/27/2002
1,1-Dichloroethene	ND	0.0078		mg/Kg-dry	1	6/27/2002
cis-1,2-Dichloroethene	ND	0.0078		mg/Kg-dry	1	6/27/2002
trans-1,2-Dichloroethene	ND	0.0078		mg/Kg-dry	1	6/27/2002
1,2-Dichloropropane	ND	0.0078		mg/Kg-dry	1	6/27/2002
cis-1,3-Dichloropropene	ND	0.0078		mg/Kg-dry	1	6/27/2002
trans-1,3-Dichloropropene	ND	0.0078		mg/Kg-dry	1	6/27/2002
Ethylbenzene	ND	0.0078		mg/Kg-dry	1	6/27/2002
2-Hexanone	ND	0.016		mg/Kg-dry	1	6/27/2002
4-Methyl-2-pentanone	ND	0.016		mg/Kg-dry	1	6/27/2002

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Project: 26168, Hawthorne Parcel 1
Lab ID: 0206134-001

Client Sample ID: HAS SP07 003
Collection Date: 6/17/2002 5:30:00 PM
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		**SW5035/8260B**		Prep Date: **6/19/2002**		Analyst: **PS**
Methylene chloride	ND	0.016		mg/Kg-dry	1	6/27/2002
Styrene	ND	0.0078		mg/Kg-dry	1	6/27/2002
1,1,2,2-Tetrachloroethane	ND	0.0078		mg/Kg-dry	1	6/27/2002
Tetrachloroethene	ND	0.0078		mg/Kg-dry	1	6/27/2002
Toluene	ND	0.0078		mg/Kg-dry	1	6/27/2002
1,1,1-Trichloroethane	ND	0.0078		mg/Kg-dry	1	6/27/2002
1,1,2-Trichloroethane	ND	0.0078		mg/Kg-dry	1	6/27/2002
Trichloroethene	ND	0.0078		mg/Kg-dry	1	6/27/2002
Vinyl chloride	ND	0.0078		mg/Kg-dry	1	6/27/2002
m,p-Xylene	ND	0.0078		mg/Kg-dry	1	6/27/2002
o-Xylene	ND	0.0078		mg/Kg-dry	1	6/27/2002
Cyanide, Total		**SW9012A**		Prep Date: **6/21/2002**		Analyst: **YZ**
Cyanide	ND	0.3		mg/Kg-dry	1	6/26/2002
Percent Moisture		**D2216**		Prep Date: **6/26/2002**		Analyst: **PMS**
Percent Moisture	18.10	0.01		wt%	1	6/26/2002

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Lab Order: 0206134
Project: 26168, Hawthorne Parcel 1
Lab ID: 0206134-002

Client Sample ID: HAS SP08 001
Collection Date: 6/17/2002 6:00:00 PM
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCBs	**SW8082**			Prep Date: **6/28/2002**		Analyst: **JF**
Aroclor 1016	ND	1.1		mg/Kg-dry	1	6/29/2002
Aroclor 1221	ND	1.1		mg/Kg-dry	1	6/29/2002
Aroclor 1232	ND	1.1		mg/Kg-dry	1	6/29/2002
Aroclor 1242	ND	1.1		mg/Kg-dry	1	6/29/2002
Aroclor 1248	ND	1.1		mg/Kg-dry	1	6/29/2002
Aroclor 1254	ND	2.2		mg/Kg-dry	1	6/29/2002
Aroclor 1260	ND	2.2		mg/Kg-dry	1	6/29/2002
Mercury	**SW7471A**			Prep Date: **6/24/2002**		Analyst: **DRJ**
Mercury	0.5	0.035		mg/Kg-dry	1	6/24/2002
Metals by ICP/MS	**SW6020**			Prep Date: **6/21/2002**		Analyst: **MCL**
Antimony	1.7	1.4	J	mg/Kg-dry	10	6/27/2002
Arsenic	36	0.71		mg/Kg-dry	10	6/27/2002
Beryllium	ND	0.71		mg/Kg-dry	10	6/27/2002
Cadmium	ND	0.71		mg/Kg-dry	10	6/27/2002
Chromium	15	1.4		mg/Kg-dry	10	6/27/2002
Copper	100	1.4	J	mg/Kg-dry	10	6/27/2002
Lead	280	0.71	J	mg/Kg-dry	10	6/27/2002
Nickel	15	1.4	J	mg/Kg-dry	10	6/27/2002
Selenium	ND	1.4		mg/Kg-dry	10	6/27/2002
Silver	ND	1.4		mg/Kg-dry	10	6/27/2002
Thallium	ND	1.4		mg/Kg-dry	10	6/27/2002
Zinc	72	7.1		mg/Kg-dry	10	6/27/2002
Polynuclear Aromatic Hydrocarbons	**SW8270(SIM)**			Prep Date: **6/27/2002**		Analyst: **VS**
Acenaphthene	ND	1.5		mg/Kg-dry	1	6/30/2002
Acenaphthylene	45	15		mg/Kg-dry	10	6/30/2002
Anthracene	13	1.5		mg/Kg-dry	1	6/30/2002
Benz(a)anthracene	85	15		mg/Kg-dry	10	6/30/2002
Benzo(b)fluoranthene	140	15		mg/Kg-dry	10	6/30/2002
Benzo(k)fluoranthene	110	15		mg/Kg-dry	10	6/30/2002
Benzo(g,h,i)perylene	64	15		mg/Kg-dry	10	6/30/2002
Benzo(a)pyrene	43	15		mg/Kg-dry	10	6/30/2002
Chrysene	140	15		mg/Kg-dry	10	6/30/2002
Dibenz(a,h)anthracene	31	15		mg/Kg-dry	10	6/30/2002
Fluoranthene	43	15		mg/Kg-dry	10	6/30/2002
Fluorene	8.9	1.5		mg/Kg-dry	1	6/30/2002
Indeno(1,2,3-cd)pyrene	57	15		mg/Kg-dry	10	6/30/2002
Naphthalene	1.9	1.5		mg/Kg-dry	1	6/30/2002

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J = estimated value ; poor MS/MSD recovery. JAK

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Date Reported: July 03, 2002
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Client: Burns & McDonnell
Lab Order: 0206134
Project: 26168, Hawthorne Parcel 1
Lab ID: 0206134-002

Client Sample ID: HAS SP08 001
Collection Date: 6/17/2002 6:00:00 PM
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Polynuclear Aromatic Hydrocarbons		**SW8270(SIM)**		Prep Date: **6/27/2002**		Analyst: **VS**
Phenanthrene	3.7	1.5		mg/Kg-dry	1	6/30/2002
Pyrene	82	15		mg/Kg-dry	10	6/30/2002
Semivolatile Organic Compounds by GC/MS		**SW8270C**		Prep Date: **6/27/2002**		Analyst: **JF**
Bis(2-chloroethoxy)methane	ND	20		mg/Kg-dry	1	6/30/2002
Bis(2-chloroethyl)ether	ND	20		mg/Kg-dry	1	6/30/2002
Bis(2-ethylhexyl)phthalate	ND	20		mg/Kg-dry	1	6/30/2002
4-Bromophenyl phenyl ether	ND	20		mg/Kg-dry	1	6/30/2002
Butyl benzyl phthalate	ND	20		mg/Kg-dry	1	6/30/2002
Carbazole	ND	20		mg/Kg-dry	1	6/30/2002
4-Chloro-3-methylphenol	ND	20		mg/Kg-dry	1	6/30/2002
4-Chloroaniline	ND	20		mg/Kg-dry	1	6/30/2002
2-Chloronaphthalene	ND	20		mg/Kg-dry	1	6/30/2002
2-Chlorophenol	ND	20		mg/Kg-dry	1	6/30/2002
4-Chlorophenyl phenyl ether	ND	20		mg/Kg-dry	1	6/30/2002
Dibenzofuran	ND	20		mg/Kg-dry	1	6/30/2002
1,2-Dichlorobenzene	ND	20		mg/Kg-dry	1	6/30/2002
1,3-Dichlorobenzene	ND	20		mg/Kg-dry	1	6/30/2002
1,4-Dichlorobenzene	ND	20		mg/Kg-dry	1	6/30/2002
3,3'-Dichlorobenzidine	ND	40		mg/Kg-dry	1	6/30/2002
2,4-Dichlorophenol	ND	20		mg/Kg-dry	1	6/30/2002
Diethyl phthalate	ND	20		mg/Kg-dry	1	6/30/2002
Dimethyl phthalate	ND	20		mg/Kg-dry	1	6/30/2002
Di-n-butyl phthalate	ND	20		mg/Kg-dry	1	6/30/2002
2,4-Dimethylphenol	ND	20		mg/Kg-dry	1	6/30/2002
4,6-Dinitro-2-methylphenol	ND	98		mg/Kg-dry	1	6/30/2002
2,4-Dinitrophenol	ND	98		mg/Kg-dry	1	6/30/2002
2,4-Dinitrotoluene	ND	15		mg/Kg-dry	1	6/30/2002
2,6-Dinitrotoluene	ND	15		mg/Kg-dry	1	6/30/2002
Di-n-octyl phthalate	ND	20		mg/Kg-dry	1	6/30/2002
Hexachlorobenzene	ND	20		mg/Kg-dry	1	6/30/2002
Hexachlorobutadiene	ND	20		mg/Kg-dry	1	6/30/2002
Hexachlorocyclopentadiene	ND	20		mg/Kg-dry	1	6/30/2002
Hexachloroethane	ND	20		mg/Kg-dry	1	6/30/2002
Isophorone	ND	20		mg/Kg-dry	1	6/30/2002
2-Methylnaphthalene	ND	20		mg/Kg-dry	1	6/30/2002
2-Methylphenol	ND	20		mg/Kg-dry	1	6/30/2002
4-Methylphenol	ND	20		mg/Kg-dry	1	6/30/2002
2-Nitroaniline	ND	98		mg/Kg-dry	1	6/30/2002

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Client Sample ID: HAS SP08 001
Collection Date: 6/17/2002 6:00:00 PM
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		**SW8270C**		Prep Date: **6/27/2002**		Analyst: **JF**
3-Nitroaniline	ND	98		mg/Kg-dry	1	6/30/2002
4-Nitroaniline	ND	98		mg/Kg-dry	1	6/30/2002
Nitrobenzene	ND	20		mg/Kg-dry	1	6/30/2002
2-Nitrophenol	ND	98		mg/Kg-dry	1	6/30/2002
4-Nitrophenol	ND	98		mg/Kg-dry	1	6/30/2002
N-Nitrosodi-n-propylamine	ND	20		mg/Kg-dry	1	6/30/2002
N-Nitrosodiphenylamine	ND	20		mg/Kg-dry	1	6/30/2002
2, 2'-oxybis(1-Chloropropane)	ND	20		mg/Kg-dry	1	6/30/2002
Pentachlorophenol	ND	98		mg/Kg-dry	1	6/30/2002
Phenol	ND	20		mg/Kg-dry	1	6/30/2002
1,2,4-Trichlorobenzene	ND	20		mg/Kg-dry	1	6/30/2002
2,4,5-Trichlorophenol	ND	40		mg/Kg-dry	1	6/30/2002
2,4,6-Trichlorophenol	ND	20		mg/Kg-dry	1	6/30/2002
Volatile Organic Compounds by GC/MS		**SW5035/8260B**		Prep Date: **6/19/2002**		Analyst: **PS**
Acetone	ND	0.093		mg/Kg-dry	1	6/27/2002
Benzene	0.036	0.019		mg/Kg-dry	1	6/27/2002
Bromodichloromethane	ND	0.019		mg/Kg-dry	1	6/27/2002
Bromoform	ND	0.019		mg/Kg-dry	1	6/27/2002
Bromomethane	ND	0.037		mg/Kg-dry	1	6/27/2002
2-Butanone	0.049	0.037		mg/Kg-dry	1	6/27/2002
Carbon disulfide	ND	0.019		mg/Kg-dry	1	6/27/2002
Carbon tetrachloride	ND	0.019		mg/Kg-dry	1	6/27/2002
Chlorobenzene	ND	0.019		mg/Kg-dry	1	6/27/2002
Chloroethane	ND	0.037		mg/Kg-dry	1	6/27/2002
Chloroform	ND	0.019		mg/Kg-dry	1	6/27/2002
Chloromethane	ND	0.019		mg/Kg-dry	1	6/27/2002
Dibromochloromethane	ND	0.019		mg/Kg-dry	1	6/27/2002
1,1-Dichloroethane	ND	0.019		mg/Kg-dry	1	6/27/2002
1,2-Dichloroethane	ND	0.019		mg/Kg-dry	1	6/27/2002
1,1-Dichloroethene	ND	0.019		mg/Kg-dry	1	6/27/2002
cis-1,2-Dichloroethene	ND	0.019		mg/Kg-dry	1	6/27/2002
trans-1,2-Dichloroethene	ND	0.019		mg/Kg-dry	1	6/27/2002
1,2-Dichloropropane	ND	0.019		mg/Kg-dry	1	6/27/2002
cis-1,3-Dichloropropene	ND	0.019		mg/Kg-dry	1	6/27/2002
trans-1,3-Dichloropropene	ND	0.019		mg/Kg-dry	1	6/27/2002
Ethylbenzene	0.11	0.019		mg/Kg-dry	1	6/27/2002
2-Hexanone	ND	0.037		mg/Kg-dry	1	6/27/2002
4-Methyl-2-pentanone	ND	0.037		mg/Kg-dry	1	6/27/2002

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AIHA Environmental Lead and Industrial Hygiene ACCREDITED LABORATORY

Date Reported: July 03, 2002
Date Printed: July 25, 2002

Client: Burns & McDonnell
Lab Order: 0206134
Project: 26168, Hawthorne Parcel 1
Lab ID: 0206134-002

Client Sample ID: HAS SP08 001
Collection Date: 6/17/2002 6:00:00 PM
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		**SW5035/8260B**		Prep Date: **6/19/2002**		Analyst: **PS**
Methylene chloride	ND	0.037		mg/Kg-dry	1	6/27/2002
Styrene	ND	0.019		mg/Kg-dry	1	6/27/2002
1,1,2,2-Tetrachloroethane	ND	0.019		mg/Kg-dry	1	6/27/2002
Tetrachloroethene	ND	0.019		mg/Kg-dry	1	6/27/2002
Toluene	0.028	0.019		mg/Kg-dry	1	6/27/2002
1,1,1-Trichloroethane	ND	0.019		mg/Kg-dry	1	6/27/2002
1,1,2-Trichloroethane	ND	0.019		mg/Kg-dry	1	6/27/2002
Trichloroethene	ND	0.019		mg/Kg-dry	1	6/27/2002
Vinyl chloride	ND	0.019		mg/Kg-dry	1	6/27/2002
m,p-Xylene	0.065	0.019		mg/Kg-dry	1	6/27/2002
o-Xylene	0.044	0.019		mg/Kg-dry	1	6/27/2002
Cyanide, Total		**SW9012A**		Prep Date: **6/21/2002**		Analyst: **YZ**
Cyanide	0.84	0.36		mg/Kg-dry	1	6/26/2002
Percent Moisture		**D2216**		Prep Date: **6/26/2002**		Analyst: **PMS**
Percent Moisture	30.76	0.01		wt%	1	6/26/2002

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Date Reported: July 03, 2002
Date Printed: July 25, 2002

Client: Burns & McDonnell
Lab Order: 0206134
Project: 26168, Hawthorne Parcel 1
Lab ID: 0206134-003

Client Sample ID: HAS SP08 002
Collection Date: 6/17/2002 6:15:00 PM
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCBs	**SW8082**			Prep Date: **6/28/2002**		Analyst: **JF**
Aroclor 1016	ND	0.11		mg/Kg-dry	1	6/29/2002
Aroclor 1221	ND	0.11		mg/Kg-dry	1	6/29/2002
Aroclor 1232	ND	0.11		mg/Kg-dry	1	6/29/2002
Aroclor 1242	ND	0.11		mg/Kg-dry	1	6/29/2002
Aroclor 1248	ND	0.11		mg/Kg-dry	1	6/29/2002
Aroclor 1254	ND	0.23		mg/Kg-dry	1	6/29/2002
Aroclor 1260	ND	0.23		mg/Kg-dry	1	6/29/2002
Mercury	**SW7471A**			Prep Date: **6/24/2002**		Analyst: **DRJ**
Mercury	0.081	0.036		mg/Kg-dry	1	6/24/2002
Metals by ICP/MS	**SW6020**			Prep Date: **6/21/2002**		Analyst: **MCL**
Antimony	ND	1.4	UJ	mg/Kg-dry	10	6/27/2002
Arsenic	4.6	0.71		mg/Kg-dry	10	6/27/2002
Beryllium	ND	0.71		mg/Kg-dry	10	6/27/2002
Cadmium	ND	0.71		mg/Kg-dry	10	6/27/2002
Chromium	16	1.4		mg/Kg-dry	10	6/27/2002
Copper	38	1.4	J	mg/Kg-dry	10	6/27/2002
Lead	32	0.71		mg/Kg-dry	10	6/27/2002
Nickel	21	1.4		mg/Kg-dry	10	6/27/2002
Selenium	ND	1.4		mg/Kg-dry	10	6/27/2002
Silver	ND	1.4		mg/Kg-dry	10	6/27/2002
Thallium	ND	1.4		mg/Kg-dry	10	6/27/2002
Zinc	79	7.1	J	mg/Kg-dry	10	6/27/2002
Polynuclear Aromatic Hydrocarbons	**SW8270(SIM)**			Prep Date: **6/27/2002**		Analyst: **VS**
Acenaphthene	ND	0.034		mg/Kg-dry	1	6/28/2002
Acenaphthylene	ND	0.034		mg/Kg-dry	1	6/28/2002
Anthracene	0.034	0.034		mg/Kg-dry	1	6/28/2002
Benz(a)anthracene	0.1	0.034		mg/Kg-dry	1	6/28/2002
Benzo(b)fluoranthene	0.11	0.034		mg/Kg-dry	1	6/28/2002
Benzo(k)fluoranthene	0.1	0.034		mg/Kg-dry	1	6/28/2002
Benzo(g,h,i)perylene	0.051	0.034		mg/Kg-dry	1	6/28/2002
Benzo(a)pyrene	0.11	0.034		mg/Kg-dry	1	6/28/2002
Chrysene	0.12	0.034		mg/Kg-dry	1	6/28/2002
Dibenz(a,h)anthracene	ND	0.034		mg/Kg-dry	1	6/28/2002
Fluoranthene	0.082	0.034		mg/Kg-dry	1	6/28/2002
Fluorene	ND	0.034		mg/Kg-dry	1	6/28/2002
Indeno(1,2,3-cd)pyrene	0.05	0.034		mg/Kg-dry	1	6/28/2002
Naphthalene	0.11	0.034		mg/Kg-dry	1	6/28/2002

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J= estimated value; poor MS/MSD recovery. JAK

U= non-detect. JAK

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Date Reported: July 03, 2002
Date Printed: July 25, 2002

Client: Burns & McDonnell
Lab Order: 0206134
Project: 26168, Hawthorne Parcel 1
Lab ID: 0206134-003

Client Sample ID: HAS SP08 002
Collection Date: 6/17/2002 6:15:00 PM
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Polynuclear Aromatic Hydrocarbons		**SW8270(SIM)**		Prep Date: **6/27/2002**		Analyst: **VS**
Phenanthrene	0.074	0.034		mg/Kg-dry	1	6/28/2002
Pyrene	0.18	0.034		mg/Kg-dry	1	6/28/2002
Semivolatile Organic Compounds by GC/MS		**SW8270C**		Prep Date: **6/27/2002**		Analyst: **JF**
Bis(2-chloroethoxy)methane	ND	0.45		mg/Kg-dry	1	6/29/2002
Bis(2-chloroethyl)ether	ND	0.45		mg/Kg-dry	1	6/29/2002
Bis(2-ethylhexyl)phthalate	ND	0.45		mg/Kg-dry	1	6/29/2002
4-Bromophenyl phenyl ether	ND	0.45		mg/Kg-dry	1	6/29/2002
Butyl benzyl phthalate	ND	0.45		mg/Kg-dry	1	6/29/2002
Carbazole	ND	0.45		mg/Kg-dry	1	6/29/2002
4-Chloro-3-methylphenol	ND	0.45		mg/Kg-dry	1	6/29/2002
4-Chloroaniline	ND	0.45		mg/Kg-dry	1	6/29/2002
2-Chloronaphthalene	ND	0.45		mg/Kg-dry	1	6/29/2002
2-Chlorophenol	ND	0.45		mg/Kg-dry	1	6/29/2002
4-Chlorophenyl phenyl ether	ND	0.45		mg/Kg-dry	1	6/29/2002
Dibenzofuran	ND	0.45		mg/Kg-dry	1	6/29/2002
1,2-Dichlorobenzene	ND	0.45		mg/Kg-dry	1	6/29/2002
1,3-Dichlorobenzene	ND	0.45		mg/Kg-dry	1	6/29/2002
1,4-Dichlorobenzene	ND	0.45		mg/Kg-dry	1	6/29/2002
3,3'-Dichlorobenzidine	ND	0.9		mg/Kg-dry	1	6/29/2002
2,4-Dichlorophenol	ND	0.45		mg/Kg-dry	1	6/29/2002
Diethyl phthalate	ND	0.45		mg/Kg-dry	1	6/29/2002
Dimethyl phthalate	ND	0.45		mg/Kg-dry	1	6/29/2002
Di-n-butyl phthalate	ND	0.45		mg/Kg-dry	1	6/29/2002
2,4-Dimethylphenol	ND	0.45		mg/Kg-dry	1	6/29/2002
4,6-Dinitro-2-methylphenol	ND	2.2		mg/Kg-dry	1	6/29/2002
2,4-Dinitrophenol	ND	2.2		mg/Kg-dry	1	6/29/2002
2,4-Dinitrotoluene	ND	0.34		mg/Kg-dry	1	6/29/2002
2,6-Dinitrotoluene	ND	0.34		mg/Kg-dry	1	6/29/2002
Di-n-octyl phthalate	ND	0.45		mg/Kg-dry	1	6/29/2002
Hexachlorobenzene	ND	0.45		mg/Kg-dry	1	6/29/2002
Hexachlorobutadiene	ND	0.45		mg/Kg-dry	1	6/29/2002
Hexachlorocyclopentadiene	ND	0.45		mg/Kg-dry	1	6/29/2002
Hexachloroethane	ND	0.45		mg/Kg-dry	1	6/29/2002
Isophorone	ND	0.45		mg/Kg-dry	1	6/29/2002
2-Methylnaphthalene	ND	0.45		mg/Kg-dry	1	6/29/2002
2-Methylphenol	ND	0.45		mg/Kg-dry	1	6/29/2002
4-Methylphenol	ND	0.45		mg/Kg-dry	1	6/29/2002
2-Nitroaniline	ND	2.2		mg/Kg-dry	1	6/29/2002

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AIHA Environmental Lead and Industrial Hygiene ACCREDITED LABORATORY

Date Reported: July 03, 2002
Date Printed: July 25, 2002

Client: Burns & McDonnell
Lab Order: 0206134
Project: 26168, Hawthorne Parcel 1
Lab ID: 0206134-003

Client Sample ID: HAS SP08 002
Collection Date: 6/17/2002 6:15:00 PM
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		**SW8270C**		Prep Date: **6/27/2002**		Analyst: **JF**
3-Nitroaniline	ND	2.2		mg/Kg-dry	1	6/29/2002
4-Nitroaniline	ND	2.2		mg/Kg-dry	1	6/29/2002
Nitrobenzene	ND	0.45		mg/Kg-dry	1	6/29/2002
2-Nitrophenol	ND	2.2		mg/Kg-dry	1	6/29/2002
4-Nitrophenol	ND	2.2		mg/Kg-dry	1	6/29/2002
N-Nitrosodi-n-propylamine	ND	0.45		mg/Kg-dry	1	6/29/2002
N-Nitrosodiphenylamine	ND	0.45		mg/Kg-dry	1	6/29/2002
2, 2'-oxybis(1-Chloropropane)	ND	0.45		mg/Kg-dry	1	6/29/2002
Pentachlorophenol	ND	2.2		mg/Kg-dry	1	6/29/2002
Phenol	ND	0.45		mg/Kg-dry	1	6/29/2002
1,2,4-Trichlorobenzene	ND	0.45		mg/Kg-dry	1	6/29/2002
2,4,5-Trichlorophenol	ND	0.9		mg/Kg-dry	1	6/29/2002
2,4,6-Trichlorophenol	ND	0.45		mg/Kg-dry	1	6/29/2002
Volatile Organic Compounds by GC/MS		**SW5035/8260B**		Prep Date: **6/19/2002**		Analyst: **PS**
Acetone	0.054	0.051		mg/Kg-dry	1	6/27/2002
Benzene	ND	0.01		mg/Kg-dry	1	6/27/2002
Bromodichloromethane	ND	0.01		mg/Kg-dry	1	6/27/2002
Bromoform	ND	0.01		mg/Kg-dry	1	6/27/2002
Bromomethane	ND	0.02		mg/Kg-dry	1	6/27/2002
2-Butanone	0.033	0.02		mg/Kg-dry	1	6/27/2002
Carbon disulfide	ND	0.01		mg/Kg-dry	1	6/27/2002
Carbon tetrachloride	ND	0.01		mg/Kg-dry	1	6/27/2002
Chlorobenzene	ND	0.01		mg/Kg-dry	1	6/27/2002
Chloroethane	ND	0.02		mg/Kg-dry	1	6/27/2002
Chloroform	ND	0.01		mg/Kg-dry	1	6/27/2002
Chloromethane	ND	0.01		mg/Kg-dry	1	6/27/2002
Dibromochloromethane	ND	0.01		mg/Kg-dry	1	6/27/2002
1,1-Dichloroethane	ND	0.01		mg/Kg-dry	1	6/27/2002
1,2-Dichloroethane	ND	0.01		mg/Kg-dry	1	6/27/2002
1,1-Dichloroethene	ND	0.01		mg/Kg-dry	1	6/27/2002
cis-1,2-Dichloroethene	ND	0.01		mg/Kg-dry	1	6/27/2002
trans-1,2-Dichloroethene	ND	0.01		mg/Kg-dry	1	6/27/2002
1,2-Dichloropropane	ND	0.01		mg/Kg-dry	1	6/27/2002
cis-1,3-Dichloropropene	ND	0.01		mg/Kg-dry	1	6/27/2002
trans-1,3-Dichloropropene	ND	0.01		mg/Kg-dry	1	6/27/2002
Ethylbenzene	ND	0.01		mg/Kg-dry	1	6/27/2002
2-Hexanone	ND	0.02		mg/Kg-dry	1	6/27/2002
4-Methyl-2-pentanone	ND	0.02		mg/Kg-dry	1	6/27/2002

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Date Reported: July 03, 2002
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Client: Burns & McDonnell
Lab Order: 0206134
Project: 26168, Hawthorne Parcel 1
Lab ID: 0206134-003

Client Sample ID: HAS SP08 002
Collection Date: 6/17/2002 6:15:00 PM
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS	**SW5035/8260B**			Prep Date: **6/19/2002**		Analyst: **PS**
Methylene chloride	ND	0.02		mg/Kg-dry	1	6/27/2002
Styrene	ND	0.01		mg/Kg-dry	1	6/27/2002
1,1,2,2-Tetrachloroethane	ND	0.01		mg/Kg-dry	1	6/27/2002
Tetrachloroethene	ND	0.01		mg/Kg-dry	1	6/27/2002
Toluene	ND	0.01		mg/Kg-dry	1	6/27/2002
1,1,1-Trichloroethane	ND	0.01		mg/Kg-dry	1	6/27/2002
1,1,2-Trichloroethane	ND	0.01		mg/Kg-dry	1	6/27/2002
Trichloroethene	ND	0.01		mg/Kg-dry	1	6/27/2002
Vinyl chloride	ND	0.01		mg/Kg-dry	1	6/27/2002
m,p-Xylene	ND	0.01		mg/Kg-dry	1	6/27/2002
o-Xylene	ND	0.01		mg/Kg-dry	1	6/27/2002
Cyanide, Total	**SW9012A**			Prep Date: **6/21/2002**		Analyst: **YZ**
Cyanide	ND	0.36		mg/Kg-dry	1	6/26/2002
Percent Moisture	**D2216**			Prep Date: **6/26/2002**		Analyst: **PMS**
Percent Moisture	29.95	0.01		wt%	1	6/26/2002

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Lab Order: 0206134
Project: 26168, Hawthorne Parcel 1
Lab ID: 0206134-004

Client Sample ID: HAS SP09 001
Collection Date: 6/18/2002 11:00:00 AM
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCBs	**SW8082**			Prep Date: **6/28/2002**		Analyst: **JF**
Aroclor 1016	ND	0.92		mg/Kg-dry	1	6/29/2002
Aroclor 1221	ND	0.92		mg/Kg-dry	1	6/29/2002
Aroclor 1232	ND	0.92		mg/Kg-dry	1	6/29/2002
Aroclor 1242	ND	0.92		mg/Kg-dry	1	6/29/2002
Aroclor 1248	ND	0.92		mg/Kg-dry	1	6/29/2002
Aroclor 1254	ND	1.8		mg/Kg-dry	1	6/29/2002
Aroclor 1260	ND	1.8		mg/Kg-dry	1	6/29/2002
Mercury	**SW7471A**			Prep Date: **6/24/2002**		Analyst: **DRJ**
Mercury	2.2	0.3		mg/Kg-dry	10	6/24/2002
Metals by ICP/MS	**SW6020**			Prep Date: **6/21/2002**		Analyst: **MCL**
Antimony	ND	1.2	UJ	mg/Kg-dry	10	6/27/2002
Arsenic	11	0.6		mg/Kg-dry	10	6/27/2002
Beryllium	ND	0.6		mg/Kg-dry	10	6/27/2002
Cadmium	1.3	0.6		mg/Kg-dry	10	6/27/2002
Chromium	16	1.2		mg/Kg-dry	10	6/27/2002
Copper	58	1.2	J	mg/Kg-dry	10	6/27/2002
Lead	250	0.6	J	mg/Kg-dry	10	6/27/2002
Nickel	22	1.2	J	mg/Kg-dry	10	6/27/2002
Selenium	ND	1.2		mg/Kg-dry	10	6/27/2002
Silver	ND	1.2		mg/Kg-dry	10	6/27/2002
Thallium	ND	1.2		mg/Kg-dry	10	6/27/2002
Zinc	370	6		mg/Kg-dry	10	6/27/2002
Polynuclear Aromatic Hydrocarbons	**SW8270(SIM)**			Prep Date: **6/27/2002**		Analyst: **VS**
Acenaphthene	3	0.29		mg/Kg-dry	1	6/30/2002
Acenaphthylene	2.3	0.29		mg/Kg-dry	1	6/30/2002
Anthracene	13	2.9		mg/Kg-dry	10	6/29/2002
Benz(a)anthracene	36	2.9		mg/Kg-dry	10	6/29/2002
Benzo(b)fluoranthene	37	2.9		mg/Kg-dry	10	6/29/2002
Benzo(k)fluoranthene	28	2.9		mg/Kg-dry	10	6/29/2002
Benzo(g,h,i)perylene	18	2.9		mg/Kg-dry	10	6/29/2002
Benzo(a)pyrene	37	2.9		mg/Kg-dry	10	6/29/2002
Chrysene	35	2.9		mg/Kg-dry	10	6/29/2002
Dibenz(a,h)anthracene	7.7	2.9		mg/Kg-dry	10	6/29/2002
Fluoranthene	52	29		mg/Kg-dry	100	6/29/2002
Fluorene	2.9	2.9		mg/Kg-dry	10	6/29/2002
Indeno(1,2,3-cd)pyrene	18	2.9		mg/Kg-dry	10	6/29/2002
Naphthalene	0.41	0.29		mg/Kg-dry	1	6/30/2002

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J = estimated value; poor MS/MSD recovery. JAK U = Non-detect. JAK

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Date Reported: July 03, 2002
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Client: Burns & McDonnell
Lab Order: 0206134
Project: 26168, Hawthorne Parcel 1
Lab ID: 0206134-004

Client Sample ID: HAS SP09 001
Collection Date: 6/18/2002 11:00:00 AM
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Polynuclear Aromatic Hydrocarbons		**SW8270(SIM)**		Prep Date: **6/27/2002**		Analyst: **VS**
Phenanthrene	29	2.9		mg/Kg-dry	10	6/29/2002
Pyrene	47	29		mg/Kg-dry	100	6/29/2002
Semivolatile Organic Compounds by GC/MS		**SW8270C**		Prep Date: **6/27/2002**		Analyst: **JF**
Bis(2-chloroethoxy)methane	ND	3.8		mg/Kg-dry	1	6/30/2002
Bis(2-chloroethyl)ether	ND	3.8		mg/Kg-dry	1	6/30/2002
Bis(2-ethylhexyl)phthalate	ND	3.8		mg/Kg-dry	1	6/30/2002
4-Bromophenyl phenyl ether	ND	3.8		mg/Kg-dry	1	6/30/2002
Butyl benzyl phthalate	ND	3.8		mg/Kg-dry	1	6/30/2002
Carbazole	5.5	3.8		mg/Kg-dry	1	6/30/2002
4-Chloro-3-methylphenol	ND	3.8		mg/Kg-dry	1	6/30/2002
4-Chloroaniline	ND	3.8		mg/Kg-dry	1	6/30/2002
2-Chloronaphthalene	ND	3.8		mg/Kg-dry	1	6/30/2002
2-Chlorophenol	ND	3.8		mg/Kg-dry	1	6/30/2002
4-Chlorophenyl phenyl ether	ND	3.8		mg/Kg-dry	1	6/30/2002
Dibenzofuran	ND	3.8		mg/Kg-dry	1	6/30/2002
1,2-Dichlorobenzene	ND	3.8		mg/Kg-dry	1	6/30/2002
1,3-Dichlorobenzene	ND	3.8		mg/Kg-dry	1	6/30/2002
1,4-Dichlorobenzene	ND	3.8		mg/Kg-dry	1	6/30/2002
3,3'-Dichlorobenzidine	ND	7.7		mg/Kg-dry	1	6/30/2002
2,4-Dichlorophenol	ND	3.8		mg/Kg-dry	1	6/30/2002
Diethyl phthalate	ND	3.8		mg/Kg-dry	1	6/30/2002
Dimethyl phthalate	ND	3.8		mg/Kg-dry	1	6/30/2002
Di-n-butyl phthalate	ND	3.8		mg/Kg-dry	1	6/30/2002
2,4-Dimethylphenol	ND	3.8		mg/Kg-dry	1	6/30/2002
4,6-Dinitro-2-methylphenol	ND	19		mg/Kg-dry	1	6/30/2002
2,4-Dinitrophenol	ND	19		mg/Kg-dry	1	6/30/2002
2,4-Dinitrotoluene	ND	2.9		mg/Kg-dry	1	6/30/2002
2,6-Dinitrotoluene	ND	2.9		mg/Kg-dry	1	6/30/2002
Di-n-octyl phthalate	ND	3.8		mg/Kg-dry	1	6/30/2002
Hexachlorobenzene	ND	3.8		mg/Kg-dry	1	6/30/2002
Hexachlorobutadiene	ND	3.8		mg/Kg-dry	1	6/30/2002
Hexachlorocyclopentadiene	ND	3.8		mg/Kg-dry	1	6/30/2002
Hexachloroethane	ND	3.8		mg/Kg-dry	1	6/30/2002
Isophorone	ND	3.8		mg/Kg-dry	1	6/30/2002
2-Methylnaphthalene	ND	3.8		mg/Kg-dry	1	6/30/2002
2-Methylphenol	ND	3.8		mg/Kg-dry	1	6/30/2002
4-Methylphenol	ND	3.8		mg/Kg-dry	1	6/30/2002
2-Nitroaniline	ND	19		mg/Kg-dry	1	6/30/2002

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NVLAP® AIHA Environmental Lead and Industrial Hygiene ACCREDITED LABORATORY

Date Reported: July 03, 2002
Date Printed: July 25, 2002

Client: Burns & McDonnell
Lab Order: 0206134
Project: 26168, Hawthorne Parcel 1
Lab ID: 0206134-004

Client Sample ID: HAS SP09 001
Collection Date: 6/18/2002 11:00:00 AM
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		**SW8270C**		Prep Date: **6/27/2002**		Analyst: **JF**
3-Nitroaniline	ND	19		mg/Kg-dry	1	6/30/2002
4-Nitroaniline	ND	19		mg/Kg-dry	1	6/30/2002
Nitrobenzene	ND	3.8		mg/Kg-dry	1	6/30/2002
2-Nitrophenol	ND	19		mg/Kg-dry	1	6/30/2002
4-Nitrophenol	ND	19		mg/Kg-dry	1	6/30/2002
N-Nitrosodi-n-propylamine	ND	3.8		mg/Kg-dry	1	6/30/2002
N-Nitrosodiphenylamine	ND	3.8		mg/Kg-dry	1	6/30/2002
2, 2'-oxybis(1-Chloropropane)	ND	3.8		mg/Kg-dry	1	6/30/2002
Pentachlorophenol	ND	19		mg/Kg-dry	1	6/30/2002
Phenol	ND	3.8		mg/Kg-dry	1	6/30/2002
1,2,4-Trichlorobenzene	ND	3.8		mg/Kg-dry	1	6/30/2002
2,4,5-Trichlorophenol	ND	7.7		mg/Kg-dry	1	6/30/2002
2,4,6-Trichlorophenol	ND	3.8		mg/Kg-dry	1	6/30/2002
Volatile Organic Compounds by GC/MS		**SW5035/8260B**		Prep Date: **6/19/2002**		Analyst: **PS**
Acetone	ND	0.028		mg/Kg-dry	1	6/27/2002
Benzene	ND	0.0057		mg/Kg-dry	1	6/27/2002
Bromodichloromethane	ND	0.0057		mg/Kg-dry	1	6/27/2002
Bromoform	ND	0.0057		mg/Kg-dry	1	6/27/2002
Bromomethane	ND	0.011		mg/Kg-dry	1	6/27/2002
2-Butanone	ND	0.011		mg/Kg-dry	1	6/27/2002
Carbon disulfide	ND	0.0057		mg/Kg-dry	1	6/27/2002
Carbon tetrachloride	ND	0.0057		mg/Kg-dry	1	6/27/2002
Chlorobenzene	ND	0.0057		mg/Kg-dry	1	6/27/2002
Chloroethane	ND	0.011		mg/Kg-dry	1	6/27/2002
Chloroform	ND	0.0057		mg/Kg-dry	1	6/27/2002
Chloromethane	ND	0.0057		mg/Kg-dry	1	6/27/2002
Dibromochloromethane	ND	0.0057		mg/Kg-dry	1	6/27/2002
1,1-Dichloroethane	ND	0.0057		mg/Kg-dry	1	6/27/2002
1,2-Dichloroethane	ND	0.0057		mg/Kg-dry	1	6/27/2002
1,1-Dichloroethene	ND	0.0057		mg/Kg-dry	1	6/27/2002
cis-1,2-Dichloroethene	ND	0.0057		mg/Kg-dry	1	6/27/2002
trans-1,2-Dichloroethene	ND	0.0057		mg/Kg-dry	1	6/27/2002
1,2-Dichloropropane	ND	0.0057		mg/Kg-dry	1	6/27/2002
cis-1,3-Dichloropropene	ND	0.0057		mg/Kg-dry	1	6/27/2002
trans-1,3-Dichloropropene	ND	0.0057		mg/Kg-dry	1	6/27/2002
Ethylbenzene	ND	0.0057		mg/Kg-dry	1	6/27/2002
2-Hexanone	ND	0.011		mg/Kg-dry	1	6/27/2002
4-Methyl-2-pentanone	ND	0.011		mg/Kg-dry	1	6/27/2002

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AIHA Environmental Lead and Industrial Hygiene ACCREDITED LABORATORY

Date Reported: July 03, 2002
Date Printed: July 25, 2002

Client: Burns & McDonnell
Lab Order: 0206134
Project: 26168, Hawthorne Parcel 1
Lab ID: 0206134-004

Client Sample ID: HAS SP09 001
Collection Date: 6/18/2002 11:00:00 AM
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		**SW5035/8260B**		Prep Date: **6/19/2002**		Analyst: **PS**
Methylene chloride	ND	0.011		mg/Kg-dry	1	6/27/2002
Styrene	ND	0.0057		mg/Kg-dry	1	6/27/2002
1,1,2,2-Tetrachloroethane	ND	0.0057		mg/Kg-dry	1	6/27/2002
Tetrachloroethene	ND	0.0057		mg/Kg-dry	1	6/27/2002
Toluene	ND	0.0057		mg/Kg-dry	1	6/27/2002
1,1,1-Trichloroethane	ND	0.0057		mg/Kg-dry	1	6/27/2002
1,1,2-Trichloroethane	ND	0.0057		mg/Kg-dry	1	6/27/2002
Trichloroethene	ND	0.0057		mg/Kg-dry	1	6/27/2002
Vinyl chloride	ND	0.0057		mg/Kg-dry	1	6/27/2002
m,p-Xylene	ND	0.0057		mg/Kg-dry	1	6/27/2002
o-Xylene	ND	0.0057		mg/Kg-dry	1	6/27/2002
Cyanide, Total		**SW9012A**		Prep Date: **6/21/2002**		Analyst: **YZ**
Cyanide	1.8	0.31		mg/Kg-dry	1	6/26/2002
Percent Moisture		**D2216**		Prep Date: **6/26/2002**		Analyst: **PMS**
Percent Moisture	19.05	0.01		wt%	1	6/26/2002

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Date Reported: July 03, 2002
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Client: Burns & McDonnell
Lab Order: 0206134
Project: 26168, Hawthorne Parcel 1
Lab ID: 0206134-005

Client Sample ID: HAS SP09 002
Collection Date: 6/18/2002 11:15:00 AM
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCBs	**SW8082**			Prep Date: **6/28/2002**		Analyst: **JF**
Aroclor 1016	ND	0.1		mg/Kg-dry	1	6/29/2002
Aroclor 1221	ND	0.1		mg/Kg-dry	1	6/29/2002
Aroclor 1232	ND	0.1		mg/Kg-dry	1	6/29/2002
Aroclor 1242	ND	0.1		mg/Kg-dry	1	6/29/2002
Aroclor 1248	ND	0.1		mg/Kg-dry	1	6/29/2002
Aroclor 1254	ND	0.2		mg/Kg-dry	1	6/29/2002
Aroclor 1260	ND	0.2		mg/Kg-dry	1	6/29/2002
Mercury	**SW7471A**			Prep Date: **6/24/2002**		Analyst: **DRJ**
Mercury	0.059	0.032		mg/Kg-dry	1	6/24/2002
Metals by ICP/MS	**SW6020**			Prep Date: **6/22/2002**		Analyst: **DRJ**
Antimony	ND	1.2	UJ	mg/Kg-dry	10	6/28/2002
Arsenic	5.4	0.61		mg/Kg-dry	10	6/28/2002
Beryllium	0.7	0.61		mg/Kg-dry	10	6/28/2002
Cadmium	ND	0.61		mg/Kg-dry	10	6/28/2002
Chromium	16	1.2		mg/Kg-dry	10	6/28/2002
Copper	20	1.2	J	mg/Kg-dry	10	6/28/2002
Lead	20	0.61		mg/Kg-dry	10	6/28/2002
Nickel	19	1.2		mg/Kg-dry	10	6/28/2002
Selenium	ND	1.2		mg/Kg-dry	10	6/28/2002
Silver	ND	1.2		mg/Kg-dry	10	6/28/2002
Thallium	1.8	1.2		mg/Kg-dry	10	6/28/2002
Zinc	54	6.1	J	mg/Kg-dry	10	6/28/2002
Polynuclear Aromatic Hydrocarbons	**SW8270(SIM)**			Prep Date: **6/27/2002**		Analyst: **VS**
Acenaphthene	0.11	0.032		mg/Kg-dry	1	6/28/2002
Acenaphthylene	ND	0.032		mg/Kg-dry	1	6/28/2002
Anthracene	ND	0.032		mg/Kg-dry	1	6/28/2002
Benz(a)anthracene	ND	0.032		mg/Kg-dry	1	6/28/2002
Benzo(b)fluoranthene	ND	0.032		mg/Kg-dry	1	6/28/2002
Benzo(k)fluoranthene	ND	0.032		mg/Kg-dry	1	6/28/2002
Benzo(g,h,i)perylene	ND	0.032		mg/Kg-dry	1	6/28/2002
Benzo(a)pyrene	0.034	0.032		mg/Kg-dry	1	6/28/2002
Chrysene	ND	0.032		mg/Kg-dry	1	6/28/2002
Dibenz(a,h)anthracene	ND	0.032		mg/Kg-dry	1	6/28/2002
Fluoranthene	0.037	0.032		mg/Kg-dry	1	6/28/2002
Fluorene	0.07	0.032		mg/Kg-dry	1	6/28/2002
Indeno(1,2,3-cd)pyrene	ND	0.032		mg/Kg-dry	1	6/28/2002
Naphthalene	0.11	0.032		mg/Kg-dry	1	6/28/2002

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J= estimated value; poor MS/MSD recovery. JAK U=Non-detect. JAK

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AIHA Environmental Lead and Industrial Hygiene ACCREDITED LABORATORY

Date Reported: July 03, 2002
Date Printed: July 25, 2002

Client: Burns & McDonnell
Lab Order: 0206134
Project: 26168, Hawthorne Parcel 1
Lab ID: 0206134-005

Client Sample ID: HAS SP09 002
Collection Date: 6/18/2002 11:15:00 AM
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Polynuclear Aromatic Hydrocarbons		**SW8270(SIM)**		Prep Date: **6/27/2002**		Analyst: **VS**
Phenanthrene	0.066	0.032		mg/Kg-dry	1	6/28/2002
Pyrene	0.051	0.032		mg/Kg-dry	1	6/28/2002
Semivolatile Organic Compounds by GC/MS		**SW8270C**		Prep Date: **6/27/2002**		Analyst: **JF**
Bis(2-chloroethoxy)methane	ND	0.42		mg/Kg-dry	1	6/29/2002
Bis(2-chloroethyl)ether	ND	0.42		mg/Kg-dry	1	6/29/2002
Bis(2-ethylhexyl)phthalate	ND	0.42		mg/Kg-dry	1	6/29/2002
4-Bromophenyl phenyl ether	ND	0.42		mg/Kg-dry	1	6/29/2002
Butyl benzyl phthalate	ND	0.42		mg/Kg-dry	1	6/29/2002
Carbazole	ND	0.42		mg/Kg-dry	1	6/29/2002
4-Chloro-3-methylphenol	ND	0.42		mg/Kg-dry	1	6/29/2002
4-Chloroaniline	ND	0.42		mg/Kg-dry	1	6/29/2002
2-Chloronaphthalene	ND	0.42		mg/Kg-dry	1	6/29/2002
2-Chlorophenol	ND	0.42		mg/Kg-dry	1	6/29/2002
4-Chlorophenyl phenyl ether	ND	0.42		mg/Kg-dry	1	6/29/2002
Dibenzofuran	ND	0.42		mg/Kg-dry	1	6/29/2002
1,2-Dichlorobenzene	ND	0.42		mg/Kg-dry	1	6/29/2002
1,3-Dichlorobenzene	ND	0.42		mg/Kg-dry	1	6/29/2002
1,4-Dichlorobenzene	ND	0.42		mg/Kg-dry	1	6/29/2002
3,3'-Dichlorobenzidine	ND	0.84		mg/Kg-dry	1	6/29/2002
2,4-Dichlorophenol	ND	0.42		mg/Kg-dry	1	6/29/2002
Diethyl phthalate	ND	0.42		mg/Kg-dry	1	6/29/2002
Dimethyl phthalate	ND	0.42		mg/Kg-dry	1	6/29/2002
Di-n-butyl phthalate	ND	0.42		mg/Kg-dry	1	6/29/2002
2,4-Dimethylphenol	ND	0.42		mg/Kg-dry	1	6/29/2002
4,6-Dinitro-2-methylphenol	ND	2		mg/Kg-dry	1	6/29/2002
2,4-Dinitrophenol	ND	2		mg/Kg-dry	1	6/29/2002
2,4-Dinitrotoluene	ND	0.32		mg/Kg-dry	1	6/29/2002
2,6-Dinitrotoluene	ND	0.32		mg/Kg-dry	1	6/29/2002
Di-n-octyl phthalate	ND	0.42		mg/Kg-dry	1	6/29/2002
Hexachlorobenzene	ND	0.42		mg/Kg-dry	1	6/29/2002
Hexachlorobutadiene	ND	0.42		mg/Kg-dry	1	6/29/2002
Hexachlorocyclopentadiene	ND	0.42		mg/Kg-dry	1	6/29/2002
Hexachloroethane	ND	0.42		mg/Kg-dry	1	6/29/2002
Isophorone	ND	0.42		mg/Kg-dry	1	6/29/2002
2-Methylnaphthalene	ND	0.42		mg/Kg-dry	1	6/29/2002
2-Methylphenol	ND	0.42		mg/Kg-dry	1	6/29/2002
4-Methylphenol	ND	0.42		mg/Kg-dry	1	6/29/2002
2-Nitroaniline	ND	2		mg/Kg-dry	1	6/29/2002

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Date Reported: July 03, 2002
Date Printed: July 25, 2002

Client: Burns & McDonnell
Lab Order: 0206134
Project: 26168, Hawthorne Parcel 1
Lab ID: 0206134-005

Client Sample ID: HAS SP09 002
Collection Date: 6/18/2002 11:15:00 AM
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		**SW8270C**		Prep Date: **6/27/2002**		Analyst: **JF**
3-Nitroaniline	ND	2		mg/Kg-dry	1	6/29/2002
4-Nitroaniline	ND	2		mg/Kg-dry	1	6/29/2002
Nitrobenzene	ND	0.42		mg/Kg-dry	1	6/29/2002
2-Nitrophenol	ND	2		mg/Kg-dry	1	6/29/2002
4-Nitrophenol	ND	2		mg/Kg-dry	1	6/29/2002
N-Nitrosodi-n-propylamine	ND	0.42		mg/Kg-dry	1	6/29/2002
N-Nitrosodiphenylamine	ND	0.42		mg/Kg-dry	1	6/29/2002
2, 2'-oxybis(1-Chloropropane)	ND	0.42		mg/Kg-dry	1	6/29/2002
Pentachlorophenol	ND	2		mg/Kg-dry	1	6/29/2002
Phenol	ND	0.42		mg/Kg-dry	1	6/29/2002
1,2,4-Trichlorobenzene	ND	0.42		mg/Kg-dry	1	6/29/2002
2,4,5-Trichlorophenol	ND	0.84		mg/Kg-dry	1	6/29/2002
2,4,6-Trichlorophenol	ND	0.42		mg/Kg-dry	1	6/29/2002
Volatile Organic Compounds by GC/MS		**SW5035/8260B**		Prep Date: **6/19/2002**		Analyst: **PS**
Acetone	ND	0.04		mg/Kg-dry	1	6/27/2002
Benzene	ND	0.008		mg/Kg-dry	1	6/27/2002
Bromodichloromethane	ND	0.008		mg/Kg-dry	1	6/27/2002
Bromoform	ND	0.008		mg/Kg-dry	1	6/27/2002
Bromomethane	ND	0.016		mg/Kg-dry	1	6/27/2002
2-Butanone	ND	0.016		mg/Kg-dry	1	6/27/2002
Carbon disulfide	ND	0.008		mg/Kg-dry	1	6/27/2002
Carbon tetrachloride	ND	0.008		mg/Kg-dry	1	6/27/2002
Chlorobenzene	ND	0.008		mg/Kg-dry	1	6/27/2002
Chloroethane	ND	0.016		mg/Kg-dry	1	6/27/2002
Chloroform	ND	0.008		mg/Kg-dry	1	6/27/2002
Chloromethane	ND	0.008		mg/Kg-dry	1	6/27/2002
Dibromochloromethane	ND	0.008		mg/Kg-dry	1	6/27/2002
1,1-Dichloroethane	ND	0.008		mg/Kg-dry	1	6/27/2002
1,2-Dichloroethane	ND	0.008		mg/Kg-dry	1	6/27/2002
1,1-Dichloroethene	ND	0.008		mg/Kg-dry	1	6/27/2002
cis-1,2-Dichloroethene	ND	0.008		mg/Kg-dry	1	6/27/2002
trans-1,2-Dichloroethene	ND	0.008		mg/Kg-dry	1	6/27/2002
1,2-Dichloropropane	ND	0.008		mg/Kg-dry	1	6/27/2002
cis-1,3-Dichloropropene	ND	0.008		mg/Kg-dry	1	6/27/2002
trans-1,3-Dichloropropene	ND	0.008		mg/Kg-dry	1	6/27/2002
Ethylbenzene	ND	0.008		mg/Kg-dry	1	6/27/2002
2-Hexanone	ND	0.016		mg/Kg-dry	1	6/27/2002
4-Methyl-2-pentanone	ND	0.016		mg/Kg-dry	1	6/27/2002

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Date Reported: July 03, 2002
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Client: Burns & McDonnell
Lab Order: 0206134
Project: 26168, Hawthorne Parcel 1
Lab ID: 0206134-005

Client Sample ID: HAS SP09 002
Collection Date: 6/18/2002 11:15:00 AM
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		**SW5035/8260B**		Prep Date: **6/19/2002**		Analyst: **PS**
Methylene chloride	ND	0.016		mg/Kg-dry	1	6/27/2002
Styrene	ND	0.008		mg/Kg-dry	1	6/27/2002
1,1,2,2-Tetrachloroethane	ND	0.008		mg/Kg-dry	1	6/27/2002
Tetrachloroethene	ND	0.008		mg/Kg-dry	1	6/27/2002
Toluene	ND	0.008		mg/Kg-dry	1	6/27/2002
1,1,1-Trichloroethane	ND	0.008		mg/Kg-dry	1	6/27/2002
1,1,2-Trichloroethane	ND	0.008		mg/Kg-dry	1	6/27/2002
Trichloroethene	ND	0.008		mg/Kg-dry	1	6/27/2002
Vinyl chloride	ND	0.008		mg/Kg-dry	1	6/27/2002
m,p-Xylene	ND	0.008		mg/Kg-dry	1	6/27/2002
o-Xylene	ND	0.008		mg/Kg-dry	1	6/27/2002
Cyanide, Total		**SW9012A**		Prep Date: **6/21/2002**		Analyst: **YZ**
Cyanide	ND	0.33		mg/Kg-dry	1	6/26/2002
Percent Moisture		**D2216**		Prep Date: **6/26/2002**		Analyst: **PMS**
Percent Moisture	24.16	0.01		wt%	1	6/26/2002

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AIHA Environmental Lead and Industrial Hygiene ACCREDITED LABORATORY

Date Reported: July 03, 2002
Date Printed: July 25, 2002

Client: Burns & McDonnell
Lab Order: 0206134
Project: 26168, Hawthorne Parcel 1
Lab ID: 0206134-006

Client Sample ID: HAS SP10 001
Collection Date: 6/18/2002 11:55:00 AM
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCBs		**SW8082**		Prep Date: **6/28/2002**		Analyst: **JF**
Aroclor 1016	ND	0.091		mg/Kg-dry	1	6/29/2002
Aroclor 1221	ND	0.091		mg/Kg-dry	1	6/29/2002
Aroclor 1232	ND	0.091		mg/Kg-dry	1	6/29/2002
Aroclor 1242	ND	0.091		mg/Kg-dry	1	6/29/2002
Aroclor 1248	ND	0.091		mg/Kg-dry	1	6/29/2002
Aroclor 1254	ND	0.18		mg/Kg-dry	1	6/29/2002
Aroclor 1260	ND	0.18		mg/Kg-dry	1	6/29/2002
Mercury		**SW7471A**		Prep Date: **6/24/2002**		Analyst: **DRJ**
Mercury	0.22	0.029		mg/Kg-dry	1	6/24/2002
Metals by ICP/MS		**SW6020**		Prep Date: **6/22/2002**		Analyst: **DRJ**
Antimony	1.7	1.1	J	mg/Kg-dry	10	6/28/2002
Arsenic	9.6	0.54		mg/Kg-dry	10	6/28/2002
Beryllium	0.9	0.54		mg/Kg-dry	10	6/28/2002
Cadmium	1.1	0.54		mg/Kg-dry	10	6/28/2002
Chromium	19	1.1		mg/Kg-dry	10	6/28/2002
Copper	190	1.1	J	mg/Kg-dry	10	6/28/2002
Lead	450	0.54	J	mg/Kg-dry	10	6/28/2002
Nickel	23	1.1	J	mg/Kg-dry	10	6/28/2002
Selenium	ND	1.1		mg/Kg-dry	10	6/28/2002
Silver	ND	1.1		mg/Kg-dry	10	6/28/2002
Thallium	1.3	1.1		mg/Kg-dry	10	6/28/2002
Zinc	390	5.4		mg/Kg-dry	10	6/28/2002
Polynuclear Aromatic Hydrocarbons		**SW8270(SIM)**		Prep Date: **6/27/2002**		Analyst: **VS**
Acenaphthene	0.16	0.029		mg/Kg-dry	1	6/30/2002
Acenaphthylene	0.082	0.029		mg/Kg-dry	1	6/30/2002
Anthracene	0.85	0.29		mg/Kg-dry	10	6/29/2002
Benz(a)anthracene	2.3	0.29		mg/Kg-dry	10	6/29/2002
Benzo(b)fluoranthene	2.7	0.29		mg/Kg-dry	10	6/29/2002
Benzo(k)fluoranthene	2.1	0.29		mg/Kg-dry	10	6/29/2002
Benzo(g,h,i)perylene	1.7	0.29		mg/Kg-dry	10	6/29/2002
Benzo(a)pyrene	2.2	0.29		mg/Kg-dry	10	6/29/2002
Chrysene	2.5	0.29		mg/Kg-dry	10	6/29/2002
Dibenz(a,h)anthracene	0.81	0.29		mg/Kg-dry	10	6/29/2002
Fluoranthene	4.6	2.9		mg/Kg-dry	100	6/29/2002
Fluorene	0.23	0.029		mg/Kg-dry	1	6/30/2002
Indeno(1,2,3-cd)pyrene	1.5	0.29		mg/Kg-dry	10	6/29/2002
Naphthalene	0.36	0.29		mg/Kg-dry	10	6/29/2002

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J = estimated value; poor MS/MSD recovery. JAK

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AIHA Environmental Lead and Industrial Hygiene ACCREDITED LABORATORY

Date Reported: July 03, 2002
Date Printed: July 25, 2002

Client: Burns & McDonnell
Lab Order: 0206134
Project: 26168, Hawthorne Parcel 1
Lab ID: 0206134-006

Client Sample ID: HAS SP10 001
Collection Date: 6/18/2002 11:55:00 AM
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Polynuclear Aromatic Hydrocarbons		**SW8270(SIM)**		Prep Date: **6/27/2002**		Analyst: **VS**
Phenanthrene	2.9	0.29		mg/Kg-dry	10	6/29/2002
Pyrene	3.7	2.9		mg/Kg-dry	100	6/29/2002
Semivolatile Organic Compounds by GC/MS		**SW8270C**		Prep Date: **6/27/2002**		Analyst: **JF**
Bis(2-chloroethoxy)methane	ND	0.38		mg/Kg-dry	1	6/30/2002
Bis(2-chloroethyl)ether	ND	0.38		mg/Kg-dry	1	6/30/2002
Bis(2-ethylhexyl)phthalate	ND	0.38		mg/Kg-dry	1	6/30/2002
4-Bromophenyl phenyl ether	ND	0.38		mg/Kg-dry	1	6/30/2002
Butyl benzyl phthalate	ND	0.38		mg/Kg-dry	1	6/30/2002
Carbazole	0.75	0.38		mg/Kg-dry	1	6/30/2002
4-Chloro-3-methylphenol	ND	0.38		mg/Kg-dry	1	6/30/2002
4-Chloroaniline	ND	0.38		mg/Kg-dry	1	6/30/2002
2-Chloronaphthalene	ND	0.38		mg/Kg-dry	1	6/30/2002
2-Chlorophenol	ND	0.38		mg/Kg-dry	1	6/30/2002
4-Chlorophenyl phenyl ether	ND	0.38		mg/Kg-dry	1	6/30/2002
Dibenzofuran	ND	0.38		mg/Kg-dry	1	6/30/2002
1,2-Dichlorobenzene	ND	0.38		mg/Kg-dry	1	6/30/2002
1,3-Dichlorobenzene	ND	0.38		mg/Kg-dry	1	6/30/2002
1,4-Dichlorobenzene	ND	0.38		mg/Kg-dry	1	6/30/2002
3,3'-Dichlorobenzidine	ND	0.76		mg/Kg-dry	1	6/30/2002
2,4-Dichlorophenol	ND	0.38		mg/Kg-dry	1	6/30/2002
Diethyl phthalate	ND	0.38		mg/Kg-dry	1	6/30/2002
Dimethyl phthalate	ND	0.38		mg/Kg-dry	1	6/30/2002
Di-n-butyl phthalate	ND	0.38		mg/Kg-dry	1	6/30/2002
2,4-Dimethylphenol	ND	0.38		mg/Kg-dry	1	6/30/2002
4,6-Dinitro-2-methylphenol	ND	1.8		mg/Kg-dry	1	6/30/2002
2,4-Dinitrophenol	ND	1.8		mg/Kg-dry	1	6/30/2002
2,4-Dinitrotoluene	ND	0.29		mg/Kg-dry	1	6/30/2002
2,6-Dinitrotoluene	ND	0.29		mg/Kg-dry	1	6/30/2002
Di-n-octyl phthalate	ND	0.38		mg/Kg-dry	1	6/30/2002
Hexachlorobenzene	ND	0.38		mg/Kg-dry	1	6/30/2002
Hexachlorobutadiene	ND	0.38		mg/Kg-dry	1	6/30/2002
Hexachlorocyclopentadiene	ND	0.38		mg/Kg-dry	1	6/30/2002
Hexachloroethane	ND	0.38		mg/Kg-dry	1	6/30/2002
Isophorone	ND	0.38		mg/Kg-dry	1	6/30/2002
2-Methylnaphthalene	ND	0.38		mg/Kg-dry	1	6/30/2002
2-Methylphenol	ND	0.38		mg/Kg-dry	1	6/30/2002
4-Methylphenol	ND	0.38		mg/Kg-dry	1	6/30/2002
2-Nitroaniline	ND	1.8		mg/Kg-dry	1	6/30/2002

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AIHA Environmental Lead and Industrial Hygiene ACCREDITED LABORATORY

Date Reported: July 03, 2002
Date Printed: July 25, 2002

Client: Burns & McDonnell
Lab Order: 0206134
Project: 26168, Hawthorne Parcel 1
Lab ID: 0206134-006

Client Sample ID: HAS SP10 001
Collection Date: 6/18/2002 11:55:00 AM
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		**SW8270C**		Prep Date: **6/27/2002**		Analyst: **JF**
3-Nitroaniline	ND	1.8		mg/Kg-dry	1	6/30/2002
4-Nitroaniline	ND	1.8		mg/Kg-dry	1	6/30/2002
Nitrobenzene	ND	0.38		mg/Kg-dry	1	6/30/2002
2-Nitrophenol	ND	1.8		mg/Kg-dry	1	6/30/2002
4-Nitrophenol	ND	1.8		mg/Kg-dry	1	6/30/2002
N-Nitrosodi-n-propylamine	ND	0.38		mg/Kg-dry	1	6/30/2002
N-Nitrosodiphenylamine	ND	0.38		mg/Kg-dry	1	6/30/2002
2, 2'-oxybis(1-Chloropropane)	ND	0.38		mg/Kg-dry	1	6/30/2002
Pentachlorophenol	ND	1.8		mg/Kg-dry	1	6/30/2002
Phenol	ND	0.38		mg/Kg-dry	1	6/30/2002
1,2,4-Trichlorobenzene	ND	0.38		mg/Kg-dry	1	6/30/2002
2,4,5-Trichlorophenol	ND	0.76		mg/Kg-dry	1	6/30/2002
2,4,6-Trichlorophenol	ND	0.38		mg/Kg-dry	1	6/30/2002
Volatile Organic Compounds by GC/MS		**SW5035/8260B**		Prep Date: **6/19/2002**		Analyst: **PS**
Acetone	0.076	0.044		mg/Kg-dry	1	6/27/2002
Benzene	ND	0.0088		mg/Kg-dry	1	6/27/2002
Bromodichloromethane	ND	0.0088		mg/Kg-dry	1	6/27/2002
Bromoform	ND	0.0088		mg/Kg-dry	1	6/27/2002
Bromomethane	ND	0.018		mg/Kg-dry	1	6/27/2002
2-Butanone	0.028	0.018		mg/Kg-dry	1	6/27/2002
Carbon disulfide	ND	0.0088		mg/Kg-dry	1	6/27/2002
Carbon tetrachloride	ND	0.0088		mg/Kg-dry	1	6/27/2002
Chlorobenzene	ND	0.0088		mg/Kg-dry	1	6/27/2002
Chloroethane	ND	0.018		mg/Kg-dry	1	6/27/2002
Chloroform	ND	0.0088		mg/Kg-dry	1	6/27/2002
Chloromethane	ND	0.0088		mg/Kg-dry	1	6/27/2002
Dibromochloromethane	ND	0.0088		mg/Kg-dry	1	6/27/2002
1,1-Dichloroethane	ND	0.0088		mg/Kg-dry	1	6/27/2002
1,2-Dichloroethane	ND	0.0088		mg/Kg-dry	1	6/27/2002
1,1-Dichloroethene	ND	0.0088		mg/Kg-dry	1	6/27/2002
cis-1,2-Dichloroethene	ND	0.0088		mg/Kg-dry	1	6/27/2002
trans-1,2-Dichloroethene	ND	0.0088		mg/Kg-dry	1	6/27/2002
1,2-Dichloropropane	ND	0.0088		mg/Kg-dry	1	6/27/2002
cis-1,3-Dichloropropene	ND	0.0088		mg/Kg-dry	1	6/27/2002
trans-1,3-Dichloropropene	ND	0.0088		mg/Kg-dry	1	6/27/2002
Ethylbenzene	ND	0.0088		mg/Kg-dry	1	6/27/2002
2-Hexanone	ND	0.018		mg/Kg-dry	1	6/27/2002
4-Methyl-2-pentanone	ND	0.018		mg/Kg-dry	1	6/27/2002

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AIHA Environmental Lead and Industrial Hygiene ACCREDITED LABORATORY

Date Reported: July 03, 2002
Date Printed: July 25, 2002

Client: Burns & McDonnell
Lab Order: 0206134
Project: 26168, Hawthorne Parcel 1
Lab ID: 0206134-006

Client Sample ID: HAS SP10 001
Collection Date: 6/18/2002 11:55:00 AM
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		**SW5035/8260B**		Prep Date: **6/19/2002**		Analyst: **PS**
Methylene chloride	ND	0.018		mg/Kg-dry	1	6/27/2002
Styrene	ND	0.0088		mg/Kg-dry	1	6/27/2002
1,1,2,2-Tetrachloroethane	ND	0.0088		mg/Kg-dry	1	6/27/2002
Tetrachloroethene	ND	0.0088		mg/Kg-dry	1	6/27/2002
Toluene	ND	0.0088		mg/Kg-dry	1	6/27/2002
1,1,1-Trichloroethane	ND	0.0088		mg/Kg-dry	1	6/27/2002
1,1,2-Trichloroethane	ND	0.0088		mg/Kg-dry	1	6/27/2002
Trichloroethene	ND	0.0088		mg/Kg-dry	1	6/27/2002
Vinyl chloride	ND	0.0088		mg/Kg-dry	1	6/27/2002
m,p-Xylene	ND	0.0088		mg/Kg-dry	1	6/27/2002
o-Xylene	ND	0.0088		mg/Kg-dry	1	6/27/2002
Cyanide, Total		**SW9012A**		Prep Date: **6/21/2002**		Analyst: **YZ**
Cyanide	ND	0.3		mg/Kg-dry	1	6/26/2002
Percent Moisture		**D2216**		Prep Date: **6/26/2002**		Analyst: **PMS**
Percent Moisture	15.86	0.01		wt%	1	6/26/2002

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Date Reported: July 03, 2002
Date Printed: July 25, 2002

Client: Burns & McDonnell
Lab Order: 0206134
Project: 26168, Hawthorne Parcel 1
Lab ID: 0206134-007

Client Sample ID: HAS SP10 002
Collection Date: 6/18/2002 12:15:00 PM
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCBs	**SW8082**			Prep Date: **6/28/2002**		Analyst: **JF**
Aroclor 1016	ND	0.096		mg/Kg-dry	1	6/29/2002
Aroclor 1221	ND	0.096		mg/Kg-dry	1	6/29/2002
Aroclor 1232	ND	0.096		mg/Kg-dry	1	6/29/2002
Aroclor 1242	ND	0.096		mg/Kg-dry	1	6/29/2002
Aroclor 1248	ND	0.096		mg/Kg-dry	1	6/29/2002
Aroclor 1254	ND	0.19		mg/Kg-dry	1	6/29/2002
Aroclor 1260	ND	0.19		mg/Kg-dry	1	6/29/2002
Mercury	**SW7471A**			Prep Date: **6/24/2002**		Analyst: **DRJ**
Mercury	0.037	0.029		mg/Kg-dry	1	6/24/2002
Metals by ICP/MS	**SW6020**			Prep Date: **6/22/2002**		Analyst: **DRJ**
Antimony	ND	1.2	UJ	mg/Kg-dry	10	6/28/2002
Arsenic	15	0.61		mg/Kg-dry	10	6/28/2002
Beryllium	0.88	0.61		mg/Kg-dry	10	6/28/2002
Cadmium	ND	0.61		mg/Kg-dry	10	6/28/2002
Chromium	22	1.2		mg/Kg-dry	10	6/28/2002
Copper	32	1.2	J	mg/Kg-dry	10	6/28/2002
Lead	21	0.61		mg/Kg-dry	10	6/28/2002
Nickel	39	1.2		mg/Kg-dry	10	6/28/2002
Selenium	ND	1.2		mg/Kg-dry	10	6/28/2002
Silver	ND	1.2		mg/Kg-dry	10	6/28/2002
Thallium	1.8	1.2		mg/Kg-dry	10	6/28/2002
Zinc	56	6.1	J	mg/Kg-dry	10	6/28/2002
Polynuclear Aromatic Hydrocarbons	**SW8270(SIM)**			Prep Date: **6/27/2002**		Analyst: **VS**
Acenaphthene	ND	0.029		mg/Kg-dry	1	6/28/2002
Acenaphthylene	ND	0.029		mg/Kg-dry	1	6/28/2002
Anthracene	ND	0.029		mg/Kg-dry	1	6/28/2002
Benz(a)anthracene	0.07	0.029		mg/Kg-dry	1	6/28/2002
Benzo(b)fluoranthene	0.09	0.029		mg/Kg-dry	1	6/28/2002
Benzo(k)fluoranthene	0.081	0.029		mg/Kg-dry	1	6/28/2002
Benzo(g,h,i)perylene	0.1	0.029		mg/Kg-dry	1	6/28/2002
Benzo(a)pyrene	0.14	0.029		mg/Kg-dry	1	6/28/2002
Chrysene	0.082	0.029		mg/Kg-dry	1	6/28/2002
Dibenz(a,h)anthracene	ND	0.029		mg/Kg-dry	1	6/28/2002
Fluoranthene	0.096	0.029		mg/Kg-dry	1	6/28/2002
Fluorene	ND	0.029		mg/Kg-dry	1	6/28/2002
Indeno(1,2,3-cd)pyrene	0.065	0.029		mg/Kg-dry	1	6/28/2002
Naphthalene	ND	0.029		mg/Kg-dry	1	6/28/2002

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J= estimated value; poor MS/MSD recovery. JAK U=Non-detect. JAK

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Date Reported: July 03, 2002
Date Printed: July 25, 2002

Client: Burns & McDonnell
Lab Order: 0206134
Project: 26168, Hawthorne Parcel 1
Lab ID: 0206134-007

Client Sample ID: HAS SP10 002
Collection Date: 6/18/2002 12:15:00 PM
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Polynuclear Aromatic Hydrocarbons		**SW8270(SIM)**		Prep Date: **6/27/2002**		Analyst: **VS**
Phenanthrene	ND	0.029		mg/Kg-dry	1	6/28/2002
Pyrene	0.17	0.029		mg/Kg-dry	1	6/28/2002
Semivolatile Organic Compounds by GC/MS		**SW8270C**		Prep Date: **6/27/2002**		Analyst: **JF**
Bis(2-chloroethoxy)methane	ND	0.38		mg/Kg-dry	1	6/29/2002
Bis(2-chloroethyl)ether	ND	0.38		mg/Kg-dry	1	6/29/2002
Bis(2-ethylhexyl)phthalate	ND	0.38		mg/Kg-dry	1	6/29/2002
4-Bromophenyl phenyl ether	ND	0.38		mg/Kg-dry	1	6/29/2002
Butyl benzyl phthalate	ND	0.38		mg/Kg-dry	1	6/29/2002
Carbazole	ND	0.38		mg/Kg-dry	1	6/29/2002
4-Chloro-3-methylphenol	ND	0.38		mg/Kg-dry	1	6/29/2002
4-Chloroaniline	ND	0.38		mg/Kg-dry	1	6/29/2002
2-Chloronaphthalene	ND	0.38		mg/Kg-dry	1	6/29/2002
2-Chlorophenol	ND	0.38		mg/Kg-dry	1	6/29/2002
4-Chlorophenyl phenyl ether	ND	0.38		mg/Kg-dry	1	6/29/2002
Dibenzofuran	ND	0.38		mg/Kg-dry	1	6/29/2002
1,2-Dichlorobenzene	ND	0.38		mg/Kg-dry	1	6/29/2002
1,3-Dichlorobenzene	ND	0.38		mg/Kg-dry	1	6/29/2002
1,4-Dichlorobenzene	ND	0.38		mg/Kg-dry	1	6/29/2002
3,3'-Dichlorobenzidine	ND	0.76		mg/Kg-dry	1	6/29/2002
2,4-Dichlorophenol	ND	0.38		mg/Kg-dry	1	6/29/2002
Diethyl phthalate	ND	0.38		mg/Kg-dry	1	6/29/2002
Dimethyl phthalate	ND	0.38		mg/Kg-dry	1	6/29/2002
Di-n-butyl phthalate	ND	0.38		mg/Kg-dry	1	6/29/2002
2,4-Dimethylphenol	ND	0.38		mg/Kg-dry	1	6/29/2002
4,6-Dinitro-2-methylphenol	ND	1.8		mg/Kg-dry	1	6/29/2002
2,4-Dinitrophenol	ND	1.8		mg/Kg-dry	1	6/29/2002
2,4-Dinitrotoluene	ND	0.29		mg/Kg-dry	1	6/29/2002
2,6-Dinitrotoluene	ND	0.29		mg/Kg-dry	1	6/29/2002
Di-n-octyl phthalate	ND	0.38		mg/Kg-dry	1	6/29/2002
Hexachlorobenzene	ND	0.38		mg/Kg-dry	1	6/29/2002
Hexachlorobutadiene	ND	0.38		mg/Kg-dry	1	6/29/2002
Hexachlorocyclopentadiene	ND	0.38		mg/Kg-dry	1	6/29/2002
Hexachloroethane	ND	0.38		mg/Kg-dry	1	6/29/2002
Isophorone	ND	0.38		mg/Kg-dry	1	6/29/2002
2-Methylnaphthalene	ND	0.38		mg/Kg-dry	1	6/29/2002
2-Methylphenol	ND	0.38		mg/Kg-dry	1	6/29/2002
4-Methylphenol	ND	0.38		mg/Kg-dry	1	6/29/2002
2-Nitroaniline	ND	1.8		mg/Kg-dry	1	6/29/2002

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NVLAP® AIHA Environmental Lead and Industrial Hygiene ACCREDITED LABORATORY

Date Reported: July 03, 2002
Date Printed: July 25, 2002

Client: Burns & McDonnell
Lab Order: 0206134
Project: 26168, Hawthorne Parcel 1
Lab ID: 0206134-007

Client Sample ID: HAS SP10 002
Collection Date: 6/18/2002 12:15:00 PM
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		**SW8270C**		Prep Date: **6/27/2002**		Analyst: **JF**
3-Nitroaniline	ND	1.8		mg/Kg-dry	1	6/29/2002
4-Nitroaniline	ND	1.8		mg/Kg-dry	1	6/29/2002
Nitrobenzene	ND	0.38		mg/Kg-dry	1	6/29/2002
2-Nitrophenol	ND	1.8		mg/Kg-dry	1	6/29/2002
4-Nitrophenol	ND	1.8		mg/Kg-dry	1	6/29/2002
N-Nitrosodi-n-propylamine	ND	0.38		mg/Kg-dry	1	6/29/2002
N-Nitrosodiphenylamine	ND	0.38		mg/Kg-dry	1	6/29/2002
2, 2'-oxybis(1-Chloropropane)	ND	0.38		mg/Kg-dry	1	6/29/2002
Pentachlorophenol	ND	1.8		mg/Kg-dry	1	6/29/2002
Phenol	ND	0.38		mg/Kg-dry	1	6/29/2002
1,2,4-Trichlorobenzene	ND	0.38		mg/Kg-dry	1	6/29/2002
2,4,5-Trichlorophenol	ND	0.76		mg/Kg-dry	1	6/29/2002
2,4,6-Trichlorophenol	ND	0.38		mg/Kg-dry	1	6/29/2002
Volatile Organic Compounds by GC/MS		**SW5035/8260B**		Prep Date: **6/19/2002**		Analyst: **PS**
Acetone	0.066	0.041		mg/Kg-dry	1	6/27/2002
Benzene	ND	0.0082		mg/Kg-dry	1	6/27/2002
Bromodichloromethane	ND	0.0082		mg/Kg-dry	1	6/27/2002
Bromoform	ND	0.0082		mg/Kg-dry	1	6/27/2002
Bromomethane	ND	0.016		mg/Kg-dry	1	6/27/2002
2-Butanone	0.023	0.016		mg/Kg-dry	1	6/27/2002
Carbon disulfide	ND	0.0082		mg/Kg-dry	1	6/27/2002
Carbon tetrachloride	ND	0.0082		mg/Kg-dry	1	6/27/2002
Chlorobenzene	ND	0.0082		mg/Kg-dry	1	6/27/2002
Chloroethane	ND	0.016		mg/Kg-dry	1	6/27/2002
Chloroform	ND	0.0082		mg/Kg-dry	1	6/27/2002
Chloromethane	ND	0.0082		mg/Kg-dry	1	6/27/2002
Dibromochloromethane	ND	0.0082		mg/Kg-dry	1	6/27/2002
1,1-Dichloroethane	ND	0.0082		mg/Kg-dry	1	6/27/2002
1,2-Dichloroethane	ND	0.0082		mg/Kg-dry	1	6/27/2002
1,1-Dichloroethene	ND	0.0082		mg/Kg-dry	1	6/27/2002
cis-1,2-Dichloroethene	ND	0.0082		mg/Kg-dry	1	6/27/2002
trans-1,2-Dichloroethene	ND	0.0082		mg/Kg-dry	1	6/27/2002
1,2-Dichloropropane	ND	0.0082		mg/Kg-dry	1	6/27/2002
cis-1,3-Dichloropropene	ND	0.0082		mg/Kg-dry	1	6/27/2002
trans-1,3-Dichloropropene	ND	0.0082		mg/Kg-dry	1	6/27/2002
Ethylbenzene	ND	0.0082		mg/Kg-dry	1	6/27/2002
2-Hexanone	ND	0.016		mg/Kg-dry	1	6/27/2002
4-Methyl-2-pentanone	ND	0.016		mg/Kg-dry	1	6/27/2002

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AIHA Environmental Lead and Industrial Hygiene ACCREDITED LABORATORY

Date Reported: July 03, 2002
Date Printed: July 25, 2002

Client: Burns & McDonnell
Lab Order: 0206134
Project: 26168, Hawthorne Parcel 1
Lab ID: 0206134-007

Client Sample ID: HAS SP10 002
Collection Date: 6/18/2002 12:15:00 PM
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		**SW5035/8260B**		Prep Date: **6/19/2002**		Analyst: **PS**
Methylene chloride	ND	0.016		mg/Kg-dry	1	6/27/2002
Styrene	ND	0.0082		mg/Kg-dry	1	6/27/2002
1,1,2,2-Tetrachloroethane	ND	0.0082		mg/Kg-dry	1	6/27/2002
Tetrachloroethene	ND	0.0082		mg/Kg-dry	1	6/27/2002
Toluene	ND	0.0082		mg/Kg-dry	1	6/27/2002
1,1,1-Trichloroethane	ND	0.0082		mg/Kg-dry	1	6/27/2002
1,1,2-Trichloroethane	ND	0.0082		mg/Kg-dry	1	6/27/2002
Trichloroethene	ND	0.0082		mg/Kg-dry	1	6/27/2002
Vinyl chloride	ND	0.0082		mg/Kg-dry	1	6/27/2002
m,p-Xylene	ND	0.0082		mg/Kg-dry	1	6/27/2002
o-Xylene	ND	0.0082		mg/Kg-dry	1	6/27/2002
Cyanide, Total		**SW9012A**		Prep Date: **6/21/2002**		Analyst: **YZ**
Cyanide	1	0.31		mg/Kg-dry	1	6/26/2002
Percent Moisture		**D2216**		Prep Date: **6/26/2002**		Analyst: **PMS**
Percent Moisture	18.57	0.01		wt%	1	6/26/2002

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Client: Burns & McDonnell
Lab Order: 0206134
Project: 26168, Hawthorne Parcel 1
Lab ID: 0206134-008

Client Sample ID: HAS SP11 001
Collection Date: 6/18/2002 12:30:00 PM
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCBs		**SW8082**		Prep Date: **6/28/2002**		Analyst: **JF**
Aroclor 1016	ND	0.093		mg/Kg-dry	1	6/29/2002
Aroclor 1221	ND	0.093		mg/Kg-dry	1	6/29/2002
Aroclor 1232	ND	0.093		mg/Kg-dry	1	6/29/2002
Aroclor 1242	ND	0.093		mg/Kg-dry	1	6/29/2002
Aroclor 1248	ND	0.093		mg/Kg-dry	1	6/29/2002
Aroclor 1254	ND	0.19		mg/Kg-dry	1	6/29/2002
Aroclor 1260	ND	0.19		mg/Kg-dry	1	6/29/2002
Mercury		**SW7471A**		Prep Date: **6/24/2002**		Analyst: **DRJ**
Mercury	0.63	0.03		mg/Kg-dry	1	6/24/2002
Metals by ICP/MS		**SW6020**		Prep Date: **6/22/2002**		Analyst: **DRJ**
Antimony	ND	1.1	UJ	mg/Kg-dry	10	6/28/2002
Arsenic	8.9	0.56		mg/Kg-dry	10	6/28/2002
Beryllium	0.82	0.56		mg/Kg-dry	10	6/28/2002
Cadmium	ND	0.56		mg/Kg-dry	10	6/28/2002
Chromium	21	1.1		mg/Kg-dry	10	6/28/2002
Copper	37	1.1	J	mg/Kg-dry	10	6/28/2002
Lead	130	0.56	J	mg/Kg-dry	10	6/28/2002
Nickel	33	1.1	J	mg/Kg-dry	10	6/28/2002
Selenium	ND	1.1		mg/Kg-dry	10	6/28/2002
Silver	ND	1.1		mg/Kg-dry	10	6/28/2002
Thallium	1.6	1.1		mg/Kg-dry	10	6/28/2002
Zinc	89	5.6		mg/Kg-dry	10	6/28/2002
Polynuclear Aromatic Hydrocarbons		**SW8270(SIM)**		Prep Date: **6/27/2002**		Analyst: **VS**
Acenaphthene	ND	0.029		mg/Kg-dry	1	6/30/2002
Acenaphthylene	0.094	0.029		mg/Kg-dry	1	6/30/2002
Anthracene	0.42	0.29		mg/Kg-dry	10	6/29/2002
Benz(a)anthracene	0.55	0.29		mg/Kg-dry	10	6/29/2002
Benzo(b)fluoranthene	0.56	0.29		mg/Kg-dry	10	6/29/2002
Benzo(k)fluoranthene	0.4	0.29		mg/Kg-dry	10	6/29/2002
Benzo(g,h,i)perylene	0.43	0.29		mg/Kg-dry	10	6/29/2002
Benzo(a)pyrene	0.44	0.29		mg/Kg-dry	10	6/29/2002
Chrysene	0.57	0.29		mg/Kg-dry	10	6/29/2002
Dibenz(a,h)anthracene	0.088	0.029		mg/Kg-dry	1	6/30/2002
Fluoranthene	0.82	0.29		mg/Kg-dry	10	6/29/2002
Fluorene	ND	0.029		mg/Kg-dry	1	6/30/2002
Indeno(1,2,3-cd)pyrene	0.36	0.29		mg/Kg-dry	10	6/29/2002
Naphthalene	0.034	0.029		mg/Kg-dry	1	6/30/2002

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J = estimated value; poor MS/MSD recovery. JAK U = Non-detect. JAK

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Date Reported: July 03, 2002
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Client: Burns & McDonnell
Lab Order: 0206134
Project: 26168, Hawthorne Parcel 1
Lab ID: 0206134-008

Client Sample ID: HAS SP11 001
Collection Date: 6/18/2002 12:30:00 PM
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Polynuclear Aromatic Hydrocarbons		**SW8270(SIM)**		Prep Date: **6/27/2002**		Analyst: **VS**
Phenanthrene	0.39	0.29		mg/Kg-dry	10	6/29/2002
Pyrene	0.73	0.29		mg/Kg-dry	10	6/29/2002
Semivolatile Organic Compounds by GC/MS		**SW8270C**		Prep Date: **6/27/2002**		Analyst: **JF**
Bis(2-chloroethoxy)methane	ND	0.39		mg/Kg-dry	1	6/30/2002
Bis(2-chloroethyl)ether	ND	0.39		mg/Kg-dry	1	6/30/2002
Bis(2-ethylhexyl)phthalate	ND	0.39		mg/Kg-dry	1	6/30/2002
4-Bromophenyl phenyl ether	ND	0.39		mg/Kg-dry	1	6/30/2002
Butyl benzyl phthalate	ND	0.39		mg/Kg-dry	1	6/30/2002
Carbazole	ND	0.39		mg/Kg-dry	1	6/30/2002
4-Chloro-3-methylphenol	ND	0.39		mg/Kg-dry	1	6/30/2002
4-Chloroaniline	ND	0.39		mg/Kg-dry	1	6/30/2002
2-Chloronaphthalene	ND	0.39		mg/Kg-dry	1	6/30/2002
2-Chlorophenol	ND	0.39		mg/Kg-dry	1	6/30/2002
4-Chlorophenyl phenyl ether	ND	0.39		mg/Kg-dry	1	6/30/2002
Dibenzofuran	ND	0.39		mg/Kg-dry	1	6/30/2002
1,2-Dichlorobenzene	ND	0.39		mg/Kg-dry	1	6/30/2002
1,3-Dichlorobenzene	ND	0.39		mg/Kg-dry	1	6/30/2002
1,4-Dichlorobenzene	ND	0.39		mg/Kg-dry	1	6/30/2002
3,3'-Dichlorobenzidine	ND	0.77		mg/Kg-dry	1	6/30/2002
2,4-Dichlorophenol	ND	0.39		mg/Kg-dry	1	6/30/2002
Diethyl phthalate	ND	0.39		mg/Kg-dry	1	6/30/2002
Dimethyl phthalate	ND	0.39		mg/Kg-dry	1	6/30/2002
Di-n-butyl phthalate	ND	0.39		mg/Kg-dry	1	6/30/2002
2,4-Dimethylphenol	ND	0.39		mg/Kg-dry	1	6/30/2002
4,6-Dinitro-2-methylphenol	ND	1.9		mg/Kg-dry	1	6/30/2002
2,4-Dinitrophenol	ND	1.9		mg/Kg-dry	1	6/30/2002
2,4-Dinitrotoluene	ND	0.29		mg/Kg-dry	1	6/30/2002
2,6-Dinitrotoluene	ND	0.29		mg/Kg-dry	1	6/30/2002
Di-n-octyl phthalate	ND	0.39		mg/Kg-dry	1	6/30/2002
Hexachlorobenzene	ND	0.39		mg/Kg-dry	1	6/30/2002
Hexachlorobutadiene	ND	0.39		mg/Kg-dry	1	6/30/2002
Hexachlorocyclopentadiene	ND	0.39		mg/Kg-dry	1	6/30/2002
Hexachloroethane	ND	0.39		mg/Kg-dry	1	6/30/2002
Isophorone	ND	0.39		mg/Kg-dry	1	6/30/2002
2-Methylnaphthalene	ND	0.39		mg/Kg-dry	1	6/30/2002
2-Methylphenol	ND	0.39		mg/Kg-dry	1	6/30/2002
4-Methylphenol	ND	0.39		mg/Kg-dry	1	6/30/2002
2-Nitroaniline	ND	1.9		mg/Kg-dry	1	6/30/2002

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Date Reported: July 03, 2002
Date Printed: July 25, 2002

Client: Burns & McDonnell
Lab Order: 0206134
Project: 26168, Hawthorne Parcel 1
Lab ID: 0206134-008

Client Sample ID: HAS SP11 001
Collection Date: 6/18/2002 12:30:00 PM
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	**SW8270C**			Prep Date: **6/27/2002**		Analyst: **JF**
3-Nitroaniline	ND	1.9		mg/Kg-dry	1	6/30/2002
4-Nitroaniline	ND	1.9		mg/Kg-dry	1	6/30/2002
Nitrobenzene	ND	0.39		mg/Kg-dry	1	6/30/2002
2-Nitrophenol	ND	1.9		mg/Kg-dry	1	6/30/2002
4-Nitrophenol	ND	1.9		mg/Kg-dry	1	6/30/2002
N-Nitrosodi-n-propylamine	ND	0.39		mg/Kg-dry	1	6/30/2002
N-Nitrosodiphenylamine	ND	0.39		mg/Kg-dry	1	6/30/2002
2, 2'-oxybis(1-Chloropropane)	ND	0.39		mg/Kg-dry	1	6/30/2002
Pentachlorophenol	ND	1.9		mg/Kg-dry	1	6/30/2002
Phenol	ND	0.39		mg/Kg-dry	1	6/30/2002
1,2,4-Trichlorobenzene	ND	0.39		mg/Kg-dry	1	6/30/2002
2,4,5-Trichlorophenol	ND	0.77		mg/Kg-dry	1	6/30/2002
2,4,6-Trichlorophenol	ND	0.39		mg/Kg-dry	1	6/30/2002
Volatile Organic Compounds by GC/MS	**SW5035/8260B**			Prep Date: **6/19/2002**		Analyst: **PS**
Acetone	ND	0.03		mg/Kg-dry	1	6/27/2002
Benzene	ND	0.006		mg/Kg-dry	1	6/27/2002
Bromodichloromethane	ND	0.006		mg/Kg-dry	1	6/27/2002
Bromoform	ND	0.006		mg/Kg-dry	1	6/27/2002
Bromomethane	ND	0.012		mg/Kg-dry	1	6/27/2002
2-Butanone	ND	0.012		mg/Kg-dry	1	6/27/2002
Carbon disulfide	ND	0.006		mg/Kg-dry	1	6/27/2002
Carbon tetrachloride	ND	0.006		mg/Kg-dry	1	6/27/2002
Chlorobenzene	ND	0.006		mg/Kg-dry	1	6/27/2002
Chloroethane	ND	0.012		mg/Kg-dry	1	6/27/2002
Chloroform	ND	0.006		mg/Kg-dry	1	6/27/2002
Chloromethane	ND	0.006		mg/Kg-dry	1	6/27/2002
Dibromochloromethane	ND	0.006		mg/Kg-dry	1	6/27/2002
1,1-Dichloroethane	ND	0.006		mg/Kg-dry	1	6/27/2002
1,2-Dichloroethane	ND	0.006		mg/Kg-dry	1	6/27/2002
1,1-Dichloroethene	ND	0.006		mg/Kg-dry	1	6/27/2002
cis-1,2-Dichloroethene	ND	0.006		mg/Kg-dry	1	6/27/2002
trans-1,2-Dichloroethene	ND	0.006		mg/Kg-dry	1	6/27/2002
1,2-Dichloropropane	ND	0.006		mg/Kg-dry	1	6/27/2002
cis-1,3-Dichloropropene	ND	0.006		mg/Kg-dry	1	6/27/2002
trans-1,3-Dichloropropene	ND	0.006		mg/Kg-dry	1	6/27/2002
Ethylbenzene	ND	0.006		mg/Kg-dry	1	6/27/2002
2-Hexanone	ND	0.012		mg/Kg-dry	1	6/27/2002
4-Methyl-2-pentanone	ND	0.012		mg/Kg-dry	1	6/27/2002

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Lab ID: 0206134-008

Client Sample ID: HAS SP11 001
Collection Date: 6/18/2002 12:30:00 PM
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		**SW5035/8260B**		Prep Date: **6/19/2002**		Analyst: **PS**
Methylene chloride	ND	0.012		mg/Kg-dry	1	6/27/2002
Styrene	ND	0.006		mg/Kg-dry	1	6/27/2002
1,1,2,2-Tetrachloroethane	ND	0.006		mg/Kg-dry	1	6/27/2002
Tetrachloroethene	ND	0.006		mg/Kg-dry	1	6/27/2002
Toluene	ND	0.006		mg/Kg-dry	1	6/27/2002
1,1,1-Trichloroethane	ND	0.006		mg/Kg-dry	1	6/27/2002
1,1,2-Trichloroethane	ND	0.006		mg/Kg-dry	1	6/27/2002
Trichloroethene	ND	0.006		mg/Kg-dry	1	6/27/2002
Vinyl chloride	ND	0.006		mg/Kg-dry	1	6/27/2002
m,p-Xylene	ND	0.006		mg/Kg-dry	1	6/27/2002
o-Xylene	ND	0.006		mg/Kg-dry	1	6/27/2002
Cyanide, Total		**SW9012A**		Prep Date: **6/21/2002**		Analyst: **YZ**
Cyanide	ND	0.3		mg/Kg-dry	1	6/26/2002
Percent Moisture		**D2216**		Prep Date: **6/26/2002**		Analyst: **PMS**
Percent Moisture	15.82	0.01		wt%	1	6/26/2002

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Lab ID: 0206134-009

Client Sample ID: HAS SP11 002
Collection Date: 6/18/2002 12:55:00 PM
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCBs	**SW8082**			Prep Date: **6/28/2002**		Analyst: **JF**
Aroclor 1016	ND	0.093		mg/Kg-dry	1	6/29/2002
Aroclor 1221	ND	0.093		mg/Kg-dry	1	6/29/2002
Aroclor 1232	ND	0.093		mg/Kg-dry	1	6/29/2002
Aroclor 1242	ND	0.093		mg/Kg-dry	1	6/29/2002
Aroclor 1248	ND	0.093		mg/Kg-dry	1	6/29/2002
Aroclor 1254	ND	0.19		mg/Kg-dry	1	6/29/2002
Aroclor 1260	ND	0.19		mg/Kg-dry	1	6/29/2002
Mercury	**SW7471A**			Prep Date: **6/24/2002**		Analyst: **DRJ**
Mercury	0.17	0.029		mg/Kg-dry	1	6/24/2002
Metals by ICP/MS	**SW6020**			Prep Date: **6/22/2002**		Analyst: **DRJ**
Antimony	ND	1.2	UJ	mg/Kg-dry	10	6/28/2002
Arsenic	3.5	0.59		mg/Kg-dry	10	6/28/2002
Beryllium	0.74	0.59		mg/Kg-dry	10	6/28/2002
Cadmium	ND	0.59		mg/Kg-dry	10	6/28/2002
Chromium	21	1.2		mg/Kg-dry	10	6/28/2002
Copper	25	1.2	J	mg/Kg-dry	10	6/28/2002
Lead	15	0.59		mg/Kg-dry	10	6/28/2002
Nickel	30	1.2		mg/Kg-dry	10	6/28/2002
Selenium	ND	1.2		mg/Kg-dry	10	6/28/2002
Silver	ND	1.2		mg/Kg-dry	10	6/28/2002
Thallium	2	1.2		mg/Kg-dry	10	6/28/2002
Zinc	50	5.9	J	mg/Kg-dry	10	6/28/2002
Polynuclear Aromatic Hydrocarbons	**SW8270(SIM)**			Prep Date: **6/27/2002**		Analyst: **VS**
Acenaphthene	ND	0.029		mg/Kg-dry	1	6/28/2002
Acenaphthylene	ND	0.029		mg/Kg-dry	1	6/28/2002
Anthracene	ND	0.029		mg/Kg-dry	1	6/28/2002
Benz(a)anthracene	ND	0.029		mg/Kg-dry	1	6/28/2002
Benzo(b)fluoranthene	ND	0.029		mg/Kg-dry	1	6/28/2002
Benzo(k)fluoranthene	ND	0.029		mg/Kg-dry	1	6/28/2002
Benzo(g,h,i)perylene	ND	0.029		mg/Kg-dry	1	6/28/2002
Benzo(a)pyrene	ND	0.029		mg/Kg-dry	1	6/28/2002
Chrysene	ND	0.029		mg/Kg-dry	1	6/28/2002
Dibenz(a,h)anthracene	ND	0.029		mg/Kg-dry	1	6/28/2002
Fluoranthene	ND	0.029		mg/Kg-dry	1	6/28/2002
Fluorene	ND	0.029		mg/Kg-dry	1	6/28/2002
Indeno(1,2,3-cd)pyrene	ND	0.029		mg/Kg-dry	1	6/28/2002
Naphthalene	ND	0.029		mg/Kg-dry	1	6/28/2002

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

J = estimated value; poor MS/MSD recovery. JAK

U = Non-detect. JAK

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AIHA Environmental Lead and Industrial Hygiene ACCREDITED LABORATORY

Date Reported: July 03, 2002
Date Printed: July 25, 2002

Client: Burns & McDonnell
Lab Order: 0206134
Project: 26168, Hawthorne Parcel 1
Lab ID: 0206134-009

Client Sample ID: HAS SP11 002
Collection Date: 6/18/2002 12:55:00 PM
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Polynuclear Aromatic Hydrocarbons		**SW8270(SIM)**		Prep Date: **6/27/2002**		Analyst: **VS**
Phenanthrene	ND	0.029		mg/Kg-dry	1	6/28/2002
Pyrene	ND	0.029		mg/Kg-dry	1	6/28/2002
Semivolatile Organic Compounds by GC/MS		**SW8270C**		Prep Date: **6/27/2002**		Analyst: **JF**
Bis(2-chloroethoxy)methane	ND	0.38		mg/Kg-dry	1	6/29/2002
Bis(2-chloroethyl)ether	ND	0.38		mg/Kg-dry	1	6/29/2002
Bis(2-ethylhexyl)phthalate	ND	0.38		mg/Kg-dry	1	6/29/2002
4-Bromophenyl phenyl ether	ND	0.38		mg/Kg-dry	1	6/29/2002
Butyl benzyl phthalate	ND	0.38		mg/Kg-dry	1	6/29/2002
Carbazole	ND	0.38		mg/Kg-dry	1	6/29/2002
4-Chloro-3-methylphenol	ND	0.38		mg/Kg-dry	1	6/29/2002
4-Chloroaniline	ND	0.38		mg/Kg-dry	1	6/29/2002
2-Chloronaphthalene	ND	0.38		mg/Kg-dry	1	6/29/2002
2-Chlorophenol	ND	0.38		mg/Kg-dry	1	6/29/2002
4-Chlorophenyl phenyl ether	ND	0.38		mg/Kg-dry	1	6/29/2002
Dibenzofuran	ND	0.38		mg/Kg-dry	1	6/29/2002
1,2-Dichlorobenzene	ND	0.38		mg/Kg-dry	1	6/29/2002
1,3-Dichlorobenzene	ND	0.38		mg/Kg-dry	1	6/29/2002
1,4-Dichlorobenzene	ND	0.38		mg/Kg-dry	1	6/29/2002
3,3'-Dichlorobenzidine	ND	0.77		mg/Kg-dry	1	6/29/2002
2,4-Dichlorophenol	ND	0.38		mg/Kg-dry	1	6/29/2002
Diethyl phthalate	ND	0.38		mg/Kg-dry	1	6/29/2002
Dimethyl phthalate	ND	0.38		mg/Kg-dry	1	6/29/2002
Di-n-butyl phthalate	ND	0.38		mg/Kg-dry	1	6/29/2002
2,4-Dimethylphenol	ND	0.38		mg/Kg-dry	1	6/29/2002
4,6-Dinitro-2-methylphenol	ND	1.9		mg/Kg-dry	1	6/29/2002
2,4-Dinitrophenol	ND	1.9		mg/Kg-dry	1	6/29/2002
2,4-Dinitrotoluene	ND	0.29		mg/Kg-dry	1	6/29/2002
2,6-Dinitrotoluene	ND	0.29		mg/Kg-dry	1	6/29/2002
Di-n-octyl phthalate	ND	0.38		mg/Kg-dry	1	6/29/2002
Hexachlorobenzene	ND	0.38		mg/Kg-dry	1	6/29/2002
Hexachlorobutadiene	ND	0.38		mg/Kg-dry	1	6/29/2002
Hexachlorocyclopentadiene	ND	0.38		mg/Kg-dry	1	6/29/2002
Hexachloroethane	ND	0.38		mg/Kg-dry	1	6/29/2002
Isophorone	ND	0.38		mg/Kg-dry	1	6/29/2002
2-Methylnaphthalene	ND	0.38		mg/Kg-dry	1	6/29/2002
2-Methylphenol	ND	0.38		mg/Kg-dry	1	6/29/2002
4-Methylphenol	ND	0.38		mg/Kg-dry	1	6/29/2002
2-Nitroaniline	ND	1.9		mg/Kg-dry	1	6/29/2002

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AIHA Environmental Lead and Industrial Hygiene ACCREDITED LABORATORY

Date Reported: July 03, 2002
Date Printed: July 25, 2002

Client: Burns & McDonnell
Lab Order: 0206134
Project: 26168, Hawthorne Parcel 1
Lab ID: 0206134-009

Client Sample ID: HAS SP11 002
Collection Date: 6/18/2002 12:55:00 PM
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	**SW8270C**			Prep Date: **6/27/2002**		Analyst: **JF**
3-Nitroaniline	ND	1.9		mg/Kg-dry	1	6/29/2002
4-Nitroaniline	ND	1.9		mg/Kg-dry	1	6/29/2002
Nitrobenzene	ND	0.38		mg/Kg-dry	1	6/29/2002
2-Nitrophenol	ND	1.9		mg/Kg-dry	1	6/29/2002
4-Nitrophenol	ND	1.9		mg/Kg-dry	1	6/29/2002
N-Nitrosodi-n-propylamine	ND	0.38		mg/Kg-dry	1	6/29/2002
N-Nitrosodiphenylamine	ND	0.38		mg/Kg-dry	1	6/29/2002
2, 2'-oxybis(1-Chloropropane)	ND	0.38		mg/Kg-dry	1	6/29/2002
Pentachlorophenol	ND	1.9		mg/Kg-dry	1	6/29/2002
Phenol	ND	0.38		mg/Kg-dry	1	6/29/2002
1,2,4-Trichlorobenzene	ND	0.38		mg/Kg-dry	1	6/29/2002
2,4,5-Trichlorophenol	ND	0.77		mg/Kg-dry	1	6/29/2002
2,4,6-Trichlorophenol	ND	0.38		mg/Kg-dry	1	6/29/2002
Volatile Organic Compounds by GC/MS	**SW5035/8260B**			Prep Date: **6/19/2002**		Analyst: **PS**
Acetone	ND	0.037		mg/Kg-dry	1	6/27/2002
Benzene	ND	0.0074		mg/Kg-dry	1	6/27/2002
Bromodichloromethane	ND	0.0074		mg/Kg-dry	1	6/27/2002
Bromoform	ND	0.0074		mg/Kg-dry	1	6/27/2002
Bromomethane	ND	0.015		mg/Kg-dry	1	6/27/2002
2-Butanone	ND	0.015		mg/Kg-dry	1	6/27/2002
Carbon disulfide	ND	0.0074		mg/Kg-dry	1	6/27/2002
Carbon tetrachloride	ND	0.0074		mg/Kg-dry	1	6/27/2002
Chlorobenzene	ND	0.0074		mg/Kg-dry	1	6/27/2002
Chloroethane	ND	0.015		mg/Kg-dry	1	6/27/2002
Chloroform	ND	0.0074		mg/Kg-dry	1	6/27/2002
Chloromethane	ND	0.0074		mg/Kg-dry	1	6/27/2002
Dibromochloromethane	ND	0.0074		mg/Kg-dry	1	6/27/2002
1,1-Dichloroethane	ND	0.0074		mg/Kg-dry	1	6/27/2002
1,2-Dichloroethane	ND	0.0074		mg/Kg-dry	1	6/27/2002
1,1-Dichloroethene	ND	0.0074		mg/Kg-dry	1	6/27/2002
cis-1,2-Dichloroethene	ND	0.0074		mg/Kg-dry	1	6/27/2002
trans-1,2-Dichloroethene	ND	0.0074		mg/Kg-dry	1	6/27/2002
1,2-Dichloropropane	ND	0.0074		mg/Kg-dry	1	6/27/2002
cis-1,3-Dichloropropene	ND	0.0074		mg/Kg-dry	1	6/27/2002
trans-1,3-Dichloropropene	ND	0.0074		mg/Kg-dry	1	6/27/2002
Ethylbenzene	ND	0.0074		mg/Kg-dry	1	6/27/2002
2-Hexanone	ND	0.015		mg/Kg-dry	1	6/27/2002
4-Methyl-2-pentanone	ND	0.015		mg/Kg-dry	1	6/27/2002

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AIHA Environmental Lead and Industrial Hygiene ACCREDITED LABORATORY

Date Reported: July 03, 2002
Date Printed: July 25, 2002

Client: Burns & McDonnell
Lab Order: 0206134
Project: 26168, Hawthorne Parcel 1
Lab ID: 0206134-009

Client Sample ID: HAS SP11 002
Collection Date: 6/18/2002 12:55:00 PM
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		**SW5035/8260B**		Prep Date: **6/19/2002**		Analyst: **PS**
Methylene chloride	ND	0.015		mg/Kg-dry	1	6/27/2002
Styrene	ND	0.0074		mg/Kg-dry	1	6/27/2002
1,1,2,2-Tetrachloroethane	ND	0.0074		mg/Kg-dry	1	6/27/2002
Tetrachloroethene	ND	0.0074		mg/Kg-dry	1	6/27/2002
Toluene	ND	0.0074		mg/Kg-dry	1	6/27/2002
1,1,1-Trichloroethane	ND	0.0074		mg/Kg-dry	1	6/27/2002
1,1,2-Trichloroethane	ND	0.0074		mg/Kg-dry	1	6/27/2002
Trichloroethene	ND	0.0074		mg/Kg-dry	1	6/27/2002
Vinyl chloride	ND	0.0074		mg/Kg-dry	1	6/27/2002
m,p-Xylene	ND	0.0074		mg/Kg-dry	1	6/27/2002
o-Xylene	ND	0.0074		mg/Kg-dry	1	6/27/2002
Cyanide, Total		**SW9012A**		Prep Date: **6/21/2002**		Analyst: **YZ**
Cyanide	ND	0.3		mg/Kg-dry	1	6/26/2002
Percent Moisture		**D2216**		Prep Date: **6/26/2002**		Analyst: **PMS**
Percent Moisture	17.81	0.01		wt%	1	6/26/2002

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AIHA Environmental Lead and Industrial Hygiene ACCREDITED LABORATORY

Date Reported: July 03, 2002
Date Printed: July 25, 2002

Client: Burns & McDonnell
Lab Order: 0206134
Project: 26168, Hawthorne Parcel 1
Lab ID: 0206134-010

Client Sample ID: HAS SP11 003
Collection Date: 6/18/2002 1:10:00 PM
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCBs	**SW8082**			Prep Date: **6/28/2002**		Analyst: **JF**
Aroclor 1016	ND	0.092		mg/Kg-dry	1	6/29/2002
Aroclor 1221	ND	0.092		mg/Kg-dry	1	6/29/2002
Aroclor 1232	ND	0.092		mg/Kg-dry	1	6/29/2002
Aroclor 1242	ND	0.092		mg/Kg-dry	1	6/29/2002
Aroclor 1248	ND	0.092		mg/Kg-dry	1	6/29/2002
Aroclor 1254	ND	0.18		mg/Kg-dry	1	6/29/2002
Aroclor 1260	ND	0.18		mg/Kg-dry	1	6/29/2002
Mercury	**SW7471A**			Prep Date: **6/24/2002**		Analyst: **DRJ**
Mercury	ND	0.027		mg/Kg-dry	1	6/24/2002
Metals by ICP/MS	**SW6020**			Prep Date: **6/22/2002**		Analyst: **DRJ**
Antimony	ND	1.1	UJ	mg/Kg-dry	10	6/28/2002
Arsenic	8.5	0.55		mg/Kg-dry	10	6/28/2002
Beryllium	0.65	0.55		mg/Kg-dry	10	6/28/2002
Cadmium	ND	0.55		mg/Kg-dry	10	6/28/2002
Chromium	18	1.1		mg/Kg-dry	10	6/28/2002
Copper	33	1.1	J	mg/Kg-dry	10	6/28/2002
Lead	17	0.55		mg/Kg-dry	10	6/28/2002
Nickel	38	1.1		mg/Kg-dry	10	6/28/2002
Selenium	ND	1.1		mg/Kg-dry	10	6/28/2002
Silver	ND	1.1		mg/Kg-dry	10	6/28/2002
Thallium	3.6	1.1		mg/Kg-dry	10	6/28/2002
Zinc	62	5.5	J	mg/Kg-dry	10	6/28/2002
Polynuclear Aromatic Hydrocarbons	**SW8270(SIM)**			Prep Date: **6/27/2002**		Analyst: **VS**
Acenaphthene	ND	0.028		mg/Kg-dry	1	6/30/2002
Acenaphthylene	ND	0.028		mg/Kg-dry	1	6/30/2002
Anthracene	ND	0.028		mg/Kg-dry	1	6/30/2002
Benz(a)anthracene	ND	0.028		mg/Kg-dry	1	6/30/2002
Benzo(b)fluoranthene	ND	0.028		mg/Kg-dry	1	6/30/2002
Benzo(k)fluoranthene	ND	0.028		mg/Kg-dry	1	6/30/2002
Benzo(g,h,i)perylene	ND	0.028		mg/Kg-dry	1	6/30/2002
Benzo(a)pyrene	ND	0.028		mg/Kg-dry	1	6/30/2002
Chrysene	ND	0.028		mg/Kg-dry	1	6/30/2002
Dibenz(a,h)anthracene	ND	0.028		mg/Kg-dry	1	6/30/2002
Fluoranthene	ND	0.028		mg/Kg-dry	1	6/30/2002
Fluorene	ND	0.028		mg/Kg-dry	1	6/30/2002
Indeno(1,2,3-cd)pyrene	ND	0.028		mg/Kg-dry	1	6/30/2002
Naphthalene	0.037	0.028		mg/Kg-dry	1	6/30/2002

Qualifiers:
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R - RPD outside accepted recovery limits
E - Value above quantitation range

J= estimated value; poor MS/MSD recovery. JAK U=Non-detect. JAK

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AIHA Environmental Lead and Industrial Hygiene ACCREDITED LABORATORY

Date Reported: July 03, 2002
Date Printed: July 25, 2002

Client: Burns & McDonnell
Lab Order: 0206134
Project: 26168, Hawthorne Parcel 1
Lab ID: 0206134-010

Client Sample ID: HAS SP11 003
Collection Date: 6/18/2002 1:10:00 PM
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Polynuclear Aromatic Hydrocarbons		**SW8270(SIM)**		Prep Date: **6/27/2002**		Analyst: **VS**
Phenanthrene	0.043	0.028		mg/Kg-dry	1	6/30/2002
Pyrene	ND	0.028		mg/Kg-dry	1	6/30/2002
Semivolatile Organic Compounds by GC/MS		**SW8270C**		Prep Date: **6/27/2002**		Analyst: **JF**
Bis(2-chloroethoxy)methane	ND	0.37		mg/Kg-dry	1	6/29/2002
Bis(2-chloroethyl)ether	ND	0.37		mg/Kg-dry	1	6/29/2002
Bis(2-ethylhexyl)phthalate	ND	0.37		mg/Kg-dry	1	6/29/2002
4-Bromophenyl phenyl ether	ND	0.37		mg/Kg-dry	1	6/29/2002
Butyl benzyl phthalate	ND	0.37		mg/Kg-dry	1	6/29/2002
Carbazole	ND	0.37		mg/Kg-dry	1	6/29/2002
4-Chloro-3-methylphenol	ND	0.37		mg/Kg-dry	1	6/29/2002
4-Chloroaniline	ND	0.37		mg/Kg-dry	1	6/29/2002
2-Chloronaphthalene	ND	0.37		mg/Kg-dry	1	6/29/2002
2-Chlorophenol	ND	0.37		mg/Kg-dry	1	6/29/2002
4-Chlorophenyl phenyl ether	ND	0.37		mg/Kg-dry	1	6/29/2002
Dibenzofuran	ND	0.37		mg/Kg-dry	1	6/29/2002
1,2-Dichlorobenzene	ND	0.37		mg/Kg-dry	1	6/29/2002
1,3-Dichlorobenzene	ND	0.37		mg/Kg-dry	1	6/29/2002
1,4-Dichlorobenzene	ND	0.37		mg/Kg-dry	1	6/29/2002
3,3'-Dichlorobenzidine	ND	0.75		mg/Kg-dry	1	6/29/2002
2,4-Dichlorophenol	ND	0.37		mg/Kg-dry	1	6/29/2002
Diethyl phthalate	ND	0.37		mg/Kg-dry	1	6/29/2002
Dimethyl phthalate	ND	0.37		mg/Kg-dry	1	6/29/2002
Di-n-butyl phthalate	ND	0.37		mg/Kg-dry	1	6/29/2002
2,4-Dimethylphenol	ND	0.37		mg/Kg-dry	1	6/29/2002
4,6-Dinitro-2-methylphenol	ND	1.8		mg/Kg-dry	1	6/29/2002
2,4-Dinitrophenol	ND	1.8		mg/Kg-dry	1	6/29/2002
2,4-Dinitrotoluene	ND	0.28		mg/Kg-dry	1	6/29/2002
2,6-Dinitrotoluene	ND	0.28		mg/Kg-dry	1	6/29/2002
Di-n-octyl phthalate	ND	0.37		mg/Kg-dry	1	6/29/2002
Hexachlorobenzene	ND	0.37		mg/Kg-dry	1	6/29/2002
Hexachlorobutadiene	ND	0.37		mg/Kg-dry	1	6/29/2002
Hexachlorocyclopentadiene	ND	0.37		mg/Kg-dry	1	6/29/2002
Hexachloroethane	ND	0.37		mg/Kg-dry	1	6/29/2002
Isophorone	ND	0.37		mg/Kg-dry	1	6/29/2002
2-Methylnaphthalene	ND	0.37		mg/Kg-dry	1	6/29/2002
2-Methylphenol	ND	0.37		mg/Kg-dry	1	6/29/2002
4-Methylphenol	ND	0.37		mg/Kg-dry	1	6/29/2002
2-Nitroaniline	ND	1.8		mg/Kg-dry	1	6/29/2002

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
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Date Reported: July 03, 2002
Date Printed: July 25, 2002

Client: Burns & McDonnell
Lab Order: 0206134
Project: 26168, Hawthorne Parcel 1
Lab ID: 0206134-010

Client Sample ID: HAS SP11 003
Collection Date: 6/18/2002 1:10:00 PM
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		**SW8270C**		Prep Date: **6/27/2002**		Analyst: **JF**
3-Nitroaniline	ND	1.8		mg/Kg-dry	1	6/29/2002
4-Nitroaniline	ND	1.8		mg/Kg-dry	1	6/29/2002
Nitrobenzene	ND	0.37		mg/Kg-dry	1	6/29/2002
2-Nitrophenol	ND	1.8		mg/Kg-dry	1	6/29/2002
4-Nitrophenol	ND	1.8		mg/Kg-dry	1	6/29/2002
N-Nitrosodi-n-propylamine	ND	0.37		mg/Kg-dry	1	6/29/2002
N-Nitrosodiphenylamine	ND	0.37		mg/Kg-dry	1	6/29/2002
2, 2'-oxybis(1-Chloropropane)	ND	0.37		mg/Kg-dry	1	6/29/2002
Pentachlorophenol	ND	1.8		mg/Kg-dry	1	6/29/2002
Phenol	ND	0.37		mg/Kg-dry	1	6/29/2002
1,2,4-Trichlorobenzene	ND	0.37		mg/Kg-dry	1	6/29/2002
2,4,5-Trichlorophenol	ND	0.75		mg/Kg-dry	1	6/29/2002
2,4,6-Trichlorophenol	ND	0.37		mg/Kg-dry	1	6/29/2002
Volatile Organic Compounds by GC/MS		**SW5035/8260B**		Prep Date: **6/19/2002**		Analyst: **PS**
Acetone	ND	0.03		mg/Kg-dry	1	6/27/2002
Benzene	ND	0.0061		mg/Kg-dry	1	6/27/2002
Bromodichloromethane	ND	0.0061		mg/Kg-dry	1	6/27/2002
Bromoform	ND	0.0061		mg/Kg-dry	1	6/27/2002
Bromomethane	ND	0.012		mg/Kg-dry	1	6/27/2002
2-Butanone	ND	0.012		mg/Kg-dry	1	6/27/2002
Carbon disulfide	ND	0.0061		mg/Kg-dry	1	6/27/2002
Carbon tetrachloride	ND	0.0061		mg/Kg-dry	1	6/27/2002
Chlorobenzene	ND	0.0061		mg/Kg-dry	1	6/27/2002
Chloroethane	ND	0.012		mg/Kg-dry	1	6/27/2002
Chloroform	ND	0.0061		mg/Kg-dry	1	6/27/2002
Chloromethane	ND	0.0061		mg/Kg-dry	1	6/27/2002
Dibromochloromethane	ND	0.0061		mg/Kg-dry	1	6/27/2002
1,1-Dichloroethane	ND	0.0061		mg/Kg-dry	1	6/27/2002
1,2-Dichloroethane	ND	0.0061		mg/Kg-dry	1	6/27/2002
1,1-Dichloroethene	ND	0.0061		mg/Kg-dry	1	6/27/2002
cis-1,2-Dichloroethene	ND	0.0061		mg/Kg-dry	1	6/27/2002
trans-1,2-Dichloroethene	ND	0.0061		mg/Kg-dry	1	6/27/2002
1,2-Dichloropropane	ND	0.0061		mg/Kg-dry	1	6/27/2002
cis-1,3-Dichloropropene	ND	0.0061		mg/Kg-dry	1	6/27/2002
trans-1,3-Dichloropropene	ND	0.0061		mg/Kg-dry	1	6/27/2002
Ethylbenzene	ND	0.0061		mg/Kg-dry	1	6/27/2002
2-Hexanone	ND	0.012		mg/Kg-dry	1	6/27/2002
4-Methyl-2-pentanone	ND	0.012		mg/Kg-dry	1	6/27/2002

Qualifiers:
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* - Value exceeds Maximum Contaminant Level
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R - RPD outside accepted recovery limits
E - Value above quantitation range

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AIHA Environmental Lead and Industrial Hygiene ACCREDITED LABORATORY

Date Reported: July 03, 2002
Date Printed: July 25, 2002

Client: Burns & McDonnell
Lab Order: 0206134
Project: 26168, Hawthorne Parcel 1
Lab ID: 0206134-010

Client Sample ID: HAS SP11 003
Collection Date: 6/18/2002 1:10:00 PM
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		**SW5035/8260B**		Prep Date: **6/19/2002**		Analyst: **PS**
Methylene chloride	ND	0.012		mg/Kg-dry	1	6/27/2002
Styrene	ND	0.0061		mg/Kg-dry	1	6/27/2002
1,1,2,2-Tetrachloroethane	ND	0.0061		mg/Kg-dry	1	6/27/2002
Tetrachloroethene	ND	0.0061		mg/Kg-dry	1	6/27/2002
Toluene	ND	0.0061		mg/Kg-dry	1	6/27/2002
1,1,1-Trichloroethane	ND	0.0061		mg/Kg-dry	1	6/27/2002
1,1,2-Trichloroethane	ND	0.0061		mg/Kg-dry	1	6/27/2002
Trichloroethene	ND	0.0061		mg/Kg-dry	1	6/27/2002
Vinyl chloride	ND	0.0061		mg/Kg-dry	1	6/27/2002
m,p-Xylene	ND	0.0061		mg/Kg-dry	1	6/27/2002
o-Xylene	ND	0.0061		mg/Kg-dry	1	6/27/2002
Cyanide, Total		**SW9012A**		Prep Date: **6/21/2002**		Analyst: **YZ**
Cyanide	ND	0.3		mg/Kg-dry	1	6/26/2002
Percent Moisture		**D2216**		Prep Date: **6/26/2002**		Analyst: **PMS**
Percent Moisture	16.10	0.01		wt%	1	6/26/2002

Qualifiers:
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AIHA Environmental Lead and Industrial Hygiene ACCREDITED LABORATORY

Date Reported: July 03, 2002
Date Printed: July 25, 2002

Client: Burns & McDonnell
Lab Order: 0206134
Project: 26168, Hawthorne Parcel 1
Lab ID: 0206134-011

Client Sample ID: HAS SP12 001
Collection Date: 6/18/2002 2:25:00 PM
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCBs	**SW8082**			Prep Date: **6/28/2002**		Analyst: **JF**
Aroclor 1016	ND	0.095		mg/Kg-dry	1	6/29/2002
Aroclor 1221	ND	0.095		mg/Kg-dry	1	6/29/2002
Aroclor 1232	ND	0.095		mg/Kg-dry	1	6/29/2002
Aroclor 1242	ND	0.095		mg/Kg-dry	1	6/29/2002
Aroclor 1248	ND	0.095		mg/Kg-dry	1	6/29/2002
Aroclor 1254	ND	0.19		mg/Kg-dry	1	6/29/2002
Aroclor 1260	ND	0.19		mg/Kg-dry	1	6/29/2002
Mercury	**SW7471A**			Prep Date: **6/25/2002**		Analyst: **YZ**
Mercury	0.62	0.03		mg/Kg-dry	1	6/26/2002
Metals by ICP/MS	**SW6020**			Prep Date: **6/22/2002**		Analyst: **DRJ**
Antimony	ND	1.2	UJ	mg/Kg-dry	10	6/28/2002
Arsenic	7.7	0.58		mg/Kg-dry	10	6/28/2002
Beryllium	0.65	0.58		mg/Kg-dry	10	6/28/2002
Cadmium	0.62	0.58		mg/Kg-dry	10	6/28/2002
Chromium	15	1.2		mg/Kg-dry	10	6/28/2002
Copper	41	1.2	J	mg/Kg-dry	10	6/28/2002
Lead	88	0.58	J	mg/Kg-dry	10	6/28/2002
Nickel	27	1.2	J	mg/Kg-dry	10	6/28/2002
Selenium	ND	1.2		mg/Kg-dry	10	6/28/2002
Silver	ND	1.2		mg/Kg-dry	10	6/28/2002
Thallium	1.5	1.2		mg/Kg-dry	10	6/28/2002
Zinc	120	5.8		mg/Kg-dry	10	6/28/2002
Polynuclear Aromatic Hydrocarbons	**SW8270(SIM)**			Prep Date: **6/27/2002**		Analyst: **VS**
Acenaphthene	ND	0.03		mg/Kg-dry	1	6/30/2002
Acenaphthylene	0.072	0.03		mg/Kg-dry	1	6/30/2002
Anthracene	0.12	0.03		mg/Kg-dry	1	6/30/2002
Benz(a)anthracene	0.54	0.3		mg/Kg-dry	10	6/29/2002
Benzo(b)fluoranthene	0.55	0.3		mg/Kg-dry	10	6/29/2002
Benzo(k)fluoranthene	0.45	0.3		mg/Kg-dry	10	6/29/2002
Benzo(g,h,i)perylene	0.46	0.3		mg/Kg-dry	10	6/29/2002
Benzo(a)pyrene	0.61	0.3		mg/Kg-dry	10	6/29/2002
Chrysene	0.58	0.3		mg/Kg-dry	10	6/29/2002
Dibenz(a,h)anthracene	0.067	0.03		mg/Kg-dry	1	6/30/2002
Fluoranthene	0.85	0.3		mg/Kg-dry	10	6/29/2002
Fluorene	ND	0.03		mg/Kg-dry	1	6/30/2002
Indeno(1,2,3-cd)pyrene	0.4	0.3		mg/Kg-dry	10	6/29/2002
Naphthalene	0.24	0.03		mg/Kg-dry	1	6/30/2002

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J= estimated value; poor MS/MSD recovery. JAK U=Non-detect. JAK

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AIHA Environmental Lead and Industrial Hygiene ACCREDITED LABORATORY

Date Reported: July 03, 2002
Date Printed: July 25, 2002

Client: Burns & McDonnell
Lab Order: 0206134
Project: 26168, Hawthorne Parcel 1
Lab ID: 0206134-011

Client Sample ID: HAS SP12 001
Collection Date: 6/18/2002 2:25:00 PM
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Polynuclear Aromatic Hydrocarbons		**SW8270(SIM)**		Prep Date: **6/27/2002**		Analyst: **VS**
Phenanthrene	0.53	0.3		mg/Kg-dry	10	6/29/2002
Pyrene	0.91	0.3		mg/Kg-dry	10	6/29/2002
Semivolatile Organic Compounds by GC/MS		**SW8270C**		Prep Date: **6/27/2002**		Analyst: **JF**
Bis(2-chloroethoxy)methane	ND	0.39		mg/Kg-dry	1	6/30/2002
Bis(2-chloroethyl)ether	ND	0.39		mg/Kg-dry	1	6/30/2002
Bis(2-ethylhexyl)phthalate	ND	0.39		mg/Kg-dry	1	6/30/2002
4-Bromophenyl phenyl ether	ND	0.39		mg/Kg-dry	1	6/30/2002
Butyl benzyl phthalate	ND	0.39		mg/Kg-dry	1	6/30/2002
Carbazole	ND	0.39		mg/Kg-dry	1	6/30/2002
4-Chloro-3-methylphenol	ND	0.39		mg/Kg-dry	1	6/30/2002
4-Chloroaniline	ND	0.39		mg/Kg-dry	1	6/30/2002
2-Chloronaphthalene	ND	0.39		mg/Kg-dry	1	6/30/2002
2-Chlorophenol	ND	0.39		mg/Kg-dry	1	6/30/2002
4-Chlorophenyl phenyl ether	ND	0.39		mg/Kg-dry	1	6/30/2002
Dibenzofuran	ND	0.39		mg/Kg-dry	1	6/30/2002
1,2-Dichlorobenzene	ND	0.39		mg/Kg-dry	1	6/30/2002
1,3-Dichlorobenzene	ND	0.39		mg/Kg-dry	1	6/30/2002
1,4-Dichlorobenzene	ND	0.39		mg/Kg-dry	1	6/30/2002
3,3'-Dichlorobenzidine	ND	0.78		mg/Kg-dry	1	6/30/2002
2,4-Dichlorophenol	ND	0.39		mg/Kg-dry	1	6/30/2002
Diethyl phthalate	ND	0.39		mg/Kg-dry	1	6/30/2002
Dimethyl phthalate	ND	0.39		mg/Kg-dry	1	6/30/2002
Di-n-butyl phthalate	ND	0.39		mg/Kg-dry	1	6/30/2002
2,4-Dimethylphenol	ND	0.39		mg/Kg-dry	1	6/30/2002
4,6-Dinitro-2-methylphenol	ND	1.9		mg/Kg-dry	1	6/30/2002
2,4-Dinitrophenol	ND	1.9		mg/Kg-dry	1	6/30/2002
2,4-Dinitrotoluene	ND	0.3		mg/Kg-dry	1	6/30/2002
2,6-Dinitrotoluene	ND	0.3		mg/Kg-dry	1	6/30/2002
Di-n-octyl phthalate	ND	0.39		mg/Kg-dry	1	6/30/2002
Hexachlorobenzene	ND	0.39		mg/Kg-dry	1	6/30/2002
Hexachlorobutadiene	ND	0.39		mg/Kg-dry	1	6/30/2002
Hexachlorocyclopentadiene	ND	0.39		mg/Kg-dry	1	6/30/2002
Hexachloroethane	ND	0.39		mg/Kg-dry	1	6/30/2002
Isophorone	ND	0.39		mg/Kg-dry	1	6/30/2002
2-Methylnaphthalene	0.45	0.39		mg/Kg-dry	1	6/30/2002
2-Methylphenol	ND	0.39		mg/Kg-dry	1	6/30/2002
4-Methylphenol	ND	0.39		mg/Kg-dry	1	6/30/2002
2-Nitroaniline	ND	1.9		mg/Kg-dry	1	6/30/2002

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AIHA Environmental Lead and Industrial Hygiene ACCREDITED LABORATORY

Date Reported: July 03, 2002
Date Printed: July 25, 2002

Client: Burns & McDonnell
Lab Order: 0206134
Project: 26168, Hawthorne Parcel 1
Lab ID: 0206134-011

Client Sample ID: HAS SP12 001
Collection Date: 6/18/2002 2:25:00 PM
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	**SW8270C**			Prep Date: **6/27/2002**		Analyst: **JF**
3-Nitroaniline	ND	1.9		mg/Kg-dry	1	6/30/2002
4-Nitroaniline	ND	1.9		mg/Kg-dry	1	6/30/2002
Nitrobenzene	ND	0.39		mg/Kg-dry	1	6/30/2002
2-Nitrophenol	ND	1.9		mg/Kg-dry	1	6/30/2002
4-Nitrophenol	ND	1.9		mg/Kg-dry	1	6/30/2002
N-Nitrosodi-n-propylamine	ND	0.39		mg/Kg-dry	1	6/30/2002
N-Nitrosodiphenylamine	ND	0.39		mg/Kg-dry	1	6/30/2002
2, 2'-oxybis(1-Chloropropane)	ND	0.39		mg/Kg-dry	1	6/30/2002
Pentachlorophenol	ND	1.9		mg/Kg-dry	1	6/30/2002
Phenol	ND	0.39		mg/Kg-dry	1	6/30/2002
1,2,4-Trichlorobenzene	ND	0.39		mg/Kg-dry	1	6/30/2002
2,4,5-Trichlorophenol	ND	0.78		mg/Kg-dry	1	6/30/2002
2,4,6-Trichlorophenol	ND	0.39		mg/Kg-dry	1	6/30/2002
Volatile Organic Compounds by GC/MS	**SW5035/8260B**			Prep Date: **6/19/2002**		Analyst: **PS**
Acetone	ND	0.042		mg/Kg-dry	1	6/27/2002
Benzene	ND	0.0084		mg/Kg-dry	1	6/27/2002
Bromodichloromethane	ND	0.0084		mg/Kg-dry	1	6/27/2002
Bromoform	ND	0.0084		mg/Kg-dry	1	6/27/2002
Bromomethane	ND	0.017		mg/Kg-dry	1	6/27/2002
2-Butanone	ND	0.017		mg/Kg-dry	1	6/27/2002
Carbon disulfide	ND	0.0084		mg/Kg-dry	1	6/27/2002
Carbon tetrachloride	ND	0.0084		mg/Kg-dry	1	6/27/2002
Chlorobenzene	ND	0.0084		mg/Kg-dry	1	6/27/2002
Chloroethane	ND	0.017		mg/Kg-dry	1	6/27/2002
Chloroform	ND	0.0084		mg/Kg-dry	1	6/27/2002
Chloromethane	ND	0.0084		mg/Kg-dry	1	6/27/2002
Dibromochloromethane	ND	0.0084		mg/Kg-dry	1	6/27/2002
1,1-Dichloroethane	ND	0.0084		mg/Kg-dry	1	6/27/2002
1,2-Dichloroethane	ND	0.0084		mg/Kg-dry	1	6/27/2002
1,1-Dichloroethene	ND	0.0084		mg/Kg-dry	1	6/27/2002
cis-1,2-Dichloroethene	ND	0.0084		mg/Kg-dry	1	6/27/2002
trans-1,2-Dichloroethene	ND	0.0084		mg/Kg-dry	1	6/27/2002
1,2-Dichloropropane	ND	0.0084		mg/Kg-dry	1	6/27/2002
cis-1,3-Dichloropropene	ND	0.0084		mg/Kg-dry	1	6/27/2002
trans-1,3-Dichloropropene	ND	0.0084		mg/Kg-dry	1	6/27/2002
Ethylbenzene	ND	0.0084		mg/Kg-dry	1	6/27/2002
2-Hexanone	ND	0.017		mg/Kg-dry	1	6/27/2002
4-Methyl-2-pentanone	ND	0.017		mg/Kg-dry	1	6/27/2002

Qualifiers:
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J - Analyte detected below quanititation limits
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E - Value above quantitation range

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AIHA Environmental Lead and Industrial Hygiene ACCREDITED LABORATORY

Date Reported: July 03, 2002
Date Printed: July 25, 2002

Client: Burns & McDonnell
Lab Order: 0206134
Project: 26168, Hawthorne Parcel 1
Lab ID: 0206134-011

Client Sample ID: HAS SP12 001
Collection Date: 6/18/2002 2:25:00 PM
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		**SW5035/8260B**		Prep Date: **6/19/2002**		Analyst: **PS**
Methylene chloride	ND	0.017		mg/Kg-dry	1	6/27/2002
Styrene	ND	0.0084		mg/Kg-dry	1	6/27/2002
1,1,2,2-Tetrachloroethane	ND	0.0084		mg/Kg-dry	1	6/27/2002
Tetrachloroethene	ND	0.0084		mg/Kg-dry	1	6/27/2002
Toluene	ND	0.0084		mg/Kg-dry	1	6/27/2002
1,1,1-Trichloroethane	ND	0.0084		mg/Kg-dry	1	6/27/2002
1,1,2-Trichloroethane	ND	0.0084		mg/Kg-dry	1	6/27/2002
Trichloroethene	ND	0.0084		mg/Kg-dry	1	6/27/2002
Vinyl chloride	ND	0.0084		mg/Kg-dry	1	6/27/2002
m,p-Xylene	ND	0.0084		mg/Kg-dry	1	6/27/2002
o-Xylene	ND	0.0084		mg/Kg-dry	1	6/27/2002
Cyanide, Total		**SW9012A**		Prep Date: **6/24/2002**		Analyst: **YZ**
Cyanide	ND	0.3		mg/Kg-dry	1	6/26/2002
Percent Moisture		**D2216**		Prep Date: **6/26/2002**		Analyst: **PMS**
Percent Moisture	17.23	0.01		wt%	1	6/26/2002

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

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AIHA Environmental Lead and Industrial Hygiene ACCREDITED LABORATORY

Date Reported: July 03, 2002
Date Printed: July 25, 2002

Client: Burns & McDonnell
Lab Order: 0206134
Project: 26168, Hawthorne Parcel 1
Lab ID: 0206134-012

Client Sample ID: HAS SP12 002
Collection Date: 6/18/2002 2:30:00 PM
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCBs	**SW8082**			Prep Date: **6/28/2002**		Analyst: **JF**
Aroclor 1016	ND	0.098		mg/Kg-dry	1	6/29/2002
Aroclor 1221	ND	0.098		mg/Kg-dry	1	6/29/2002
Aroclor 1232	ND	0.098		mg/Kg-dry	1	6/29/2002
Aroclor 1242	ND	0.098		mg/Kg-dry	1	6/29/2002
Aroclor 1248	ND	0.098		mg/Kg-dry	1	6/29/2002
Aroclor 1254	ND	0.2		mg/Kg-dry	1	6/29/2002
Aroclor 1260	ND	0.2		mg/Kg-dry	1	6/29/2002
Mercury	**SW7471A**			Prep Date: **6/24/2002**		Analyst: **DRJ**
Mercury	0.61	0.03		mg/Kg-dry	1	6/24/2002
Metals by ICP/MS	**SW6020**			Prep Date: **6/22/2002**		Analyst: **DRJ**
Antimony	1.2	1.2	J	mg/Kg-dry	10	6/28/2002
Arsenic	8.8	0.62		mg/Kg-dry	10	6/28/2002
Beryllium	0.66	0.62		mg/Kg-dry	10	6/28/2002
Cadmium	ND	0.62		mg/Kg-dry	10	6/28/2002
Chromium	15	1.2		mg/Kg-dry	10	6/28/2002
Copper	22	1.2	J	mg/Kg-dry	10	6/28/2002
Lead	80	0.62		mg/Kg-dry	10	6/28/2002
Nickel	21	1.2		mg/Kg-dry	10	6/28/2002
Selenium	ND	1.2		mg/Kg-dry	10	6/28/2002
Silver	ND	1.2		mg/Kg-dry	10	6/28/2002
Thallium	1.4	1.2		mg/Kg-dry	10	6/28/2002
Zinc	89	6.2	J	mg/Kg-dry	10	6/28/2002
Polynuclear Aromatic Hydrocarbons	**SW8270(SIM)**			Prep Date: **6/27/2002**		Analyst: **VS**
Acenaphthene	0.099	0.03		mg/Kg-dry	1	6/30/2002
Acenaphthylene	0.067	0.03		mg/Kg-dry	1	6/30/2002
Anthracene	0.16	0.03		mg/Kg-dry	1	6/30/2002
Benz(a)anthracene	0.24	0.03		mg/Kg-dry	1	6/30/2002
Benzo(b)fluoranthene	0.32	0.03		mg/Kg-dry	1	6/30/2002
Benzo(k)fluoranthene	0.26	0.03		mg/Kg-dry	1	6/30/2002
Benzo(g,h,i)perylene	0.11	0.03		mg/Kg-dry	1	6/30/2002
Benzo(a)pyrene	0.33	0.03		mg/Kg-dry	1	6/30/2002
Chrysene	0.48	0.3		mg/Kg-dry	10	6/29/2002
Dibenz(a,h)anthracene	0.04	0.03		mg/Kg-dry	1	6/30/2002
Fluoranthene	0.87	0.3		mg/Kg-dry	10	6/29/2002
Fluorene	0.091	0.03		mg/Kg-dry	1	6/30/2002
Indeno(1,2,3-cd)pyrene	0.098	0.03		mg/Kg-dry	1	6/30/2002
Naphthalene	0.13	0.03		mg/Kg-dry	1	6/30/2002

Qualifiers:
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S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

J = estimated value ; poor MS/MSD recovery. JAK

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AIHA Environmental Lead and Industrial Hygiene ACCREDITED LABORATORY

Date Reported: July 03, 2002
Date Printed: July 25, 2002

Client: Burns & McDonnell
Lab Order: 0206134
Project: 26168, Hawthorne Parcel 1
Lab ID: 0206134-012

Client Sample ID: HAS SP12 002
Collection Date: 6/18/2002 2:30:00 PM
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Polynuclear Aromatic Hydrocarbons		**SW8270(SIM)**		Prep Date: **6/27/2002**		Analyst: **VS**
Phenanthrene	0.41	0.3		mg/Kg-dry	10	6/29/2002
Pyrene	1	0.3		mg/Kg-dry	10	6/29/2002
Semivolatile Organic Compounds by GC/MS		**SW8270C**		Prep Date: **6/27/2002**		Analyst: **JF**
Bis(2-chloroethoxy)methane	ND	0.4		mg/Kg-dry	1	6/29/2002
Bis(2-chloroethyl)ether	ND	0.4		mg/Kg-dry	1	6/29/2002
Bis(2-ethylhexyl)phthalate	ND	0.4		mg/Kg-dry	1	6/29/2002
4-Bromophenyl phenyl ether	ND	0.4		mg/Kg-dry	1	6/29/2002
Butyl benzyl phthalate	ND	0.4		mg/Kg-dry	1	6/29/2002
Carbazole	ND	0.4		mg/Kg-dry	1	6/29/2002
4-Chloro-3-methylphenol	ND	0.4		mg/Kg-dry	1	6/29/2002
4-Chloroaniline	ND	0.4		mg/Kg-dry	1	6/29/2002
2-Chloronaphthalene	ND	0.4		mg/Kg-dry	1	6/29/2002
2-Chlorophenol	ND	0.4		mg/Kg-dry	1	6/29/2002
4-Chlorophenyl phenyl ether	ND	0.4		mg/Kg-dry	1	6/29/2002
Dibenzofuran	ND	0.4		mg/Kg-dry	1	6/29/2002
1,2-Dichlorobenzene	ND	0.4		mg/Kg-dry	1	6/29/2002
1,3-Dichlorobenzene	ND	0.4		mg/Kg-dry	1	6/29/2002
1,4-Dichlorobenzene	ND	0.4		mg/Kg-dry	1	6/29/2002
3,3'-Dichlorobenzidine	ND	0.8		mg/Kg-dry	1	6/29/2002
2,4-Dichlorophenol	ND	0.4		mg/Kg-dry	1	6/29/2002
Diethyl phthalate	ND	0.4		mg/Kg-dry	1	6/29/2002
Dimethyl phthalate	ND	0.4		mg/Kg-dry	1	6/29/2002
Di-n-butyl phthalate	ND	0.4		mg/Kg-dry	1	6/29/2002
2,4-Dimethylphenol	ND	0.4		mg/Kg-dry	1	6/29/2002
4,6-Dinitro-2-methylphenol	ND	1.9		mg/Kg-dry	1	6/29/2002
2,4-Dinitrophenol	ND	1.9		mg/Kg-dry	1	6/29/2002
2,4-Dinitrotoluene	ND	0.3		mg/Kg-dry	1	6/29/2002
2,6-Dinitrotoluene	ND	0.3		mg/Kg-dry	1	6/29/2002
Di-n-octyl phthalate	ND	0.4		mg/Kg-dry	1	6/29/2002
Hexachlorobenzene	ND	0.4		mg/Kg-dry	1	6/29/2002
Hexachlorobutadiene	ND	0.4		mg/Kg-dry	1	6/29/2002
Hexachlorocyclopentadiene	ND	0.4		mg/Kg-dry	1	6/29/2002
Hexachloroethane	ND	0.4		mg/Kg-dry	1	6/29/2002
Isophorone	ND	0.4		mg/Kg-dry	1	6/29/2002
2-Methylnaphthalene	ND	0.4		mg/Kg-dry	1	6/29/2002
2-Methylphenol	ND	0.4		mg/Kg-dry	1	6/29/2002
4-Methylphenol	ND	0.4		mg/Kg-dry	1	6/29/2002
2-Nitroaniline	ND	1.9		mg/Kg-dry	1	6/29/2002

Qualifiers:
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AIHA Environmental Lead and Industrial Hygiene ACCREDITED LABORATORY

Date Reported: July 03, 2002
Date Printed: July 25, 2002

Client: Burns & McDonnell
Lab Order: 0206134
Project: 26168, Hawthorne Parcel 1
Lab ID: 0206134-012

Client Sample ID: HAS SP12 002
Collection Date: 6/18/2002 2:30:00 PM
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	**SW8270C**			Prep Date: **6/27/2002**		Analyst: **JF**
3-Nitroaniline	ND	1.9		mg/Kg-dry	1	6/29/2002
4-Nitroaniline	ND	1.9		mg/Kg-dry	1	6/29/2002
Nitrobenzene	ND	0.4		mg/Kg-dry	1	6/29/2002
2-Nitrophenol	ND	1.9		mg/Kg-dry	1	6/29/2002
4-Nitrophenol	ND	1.9		mg/Kg-dry	1	6/29/2002
N-Nitrosodi-n-propylamine	ND	0.4		mg/Kg-dry	1	6/29/2002
N-Nitrosodiphenylamine	ND	0.4		mg/Kg-dry	1	6/29/2002
2, 2'-oxybis(1-Chloropropane)	ND	0.4		mg/Kg-dry	1	6/29/2002
Pentachlorophenol	ND	1.9		mg/Kg-dry	1	6/29/2002
Phenol	ND	0.4		mg/Kg-dry	1	6/29/2002
1,2,4-Trichlorobenzene	ND	0.4		mg/Kg-dry	1	6/29/2002
2,4,5-Trichlorophenol	ND	0.8		mg/Kg-dry	1	6/29/2002
2,4,6-Trichlorophenol	ND	0.4		mg/Kg-dry	1	6/29/2002
Volatile Organic Compounds by GC/MS	**SW5035/8260B**			Prep Date: **6/19/2002**		Analyst: **PS**
Acetone	0.12	0.086		mg/Kg-dry	1	6/27/2002
Benzene	0.12	0.017		mg/Kg-dry	1	6/27/2002
Bromodichloromethane	ND	0.017		mg/Kg-dry	1	6/27/2002
Bromoform	ND	0.017		mg/Kg-dry	1	6/27/2002
Bromomethane	ND	0.034		mg/Kg-dry	1	6/27/2002
2-Butanone	0.039	0.034		mg/Kg-dry	1	6/27/2002
Carbon disulfide	ND	0.017		mg/Kg-dry	1	6/27/2002
Carbon tetrachloride	ND	0.017		mg/Kg-dry	1	6/27/2002
Chlorobenzene	ND	0.017		mg/Kg-dry	1	6/27/2002
Chloroethane	ND	0.034		mg/Kg-dry	1	6/27/2002
Chloroform	ND	0.017		mg/Kg-dry	1	6/27/2002
Chloromethane	ND	0.017		mg/Kg-dry	1	6/27/2002
Dibromochloromethane	ND	0.017		mg/Kg-dry	1	6/27/2002
1,1-Dichloroethane	ND	0.017		mg/Kg-dry	1	6/27/2002
1,2-Dichloroethane	ND	0.017		mg/Kg-dry	1	6/27/2002
1,1-Dichloroethene	ND	0.017		mg/Kg-dry	1	6/27/2002
cis-1,2-Dichloroethene	ND	0.017		mg/Kg-dry	1	6/27/2002
trans-1,2-Dichloroethene	ND	0.017		mg/Kg-dry	1	6/27/2002
1,2-Dichloropropane	ND	0.017		mg/Kg-dry	1	6/27/2002
cis-1,3-Dichloropropene	ND	0.017		mg/Kg-dry	1	6/27/2002
trans-1,3-Dichloropropene	ND	0.017		mg/Kg-dry	1	6/27/2002
Ethylbenzene	0.25	0.017		mg/Kg-dry	1	6/27/2002
2-Hexanone	ND	0.034		mg/Kg-dry	1	6/27/2002
4-Methyl-2-pentanone	ND	0.034		mg/Kg-dry	1	6/27/2002

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AIHA Environmental Lead and Industrial Hygiene ACCREDITED LABORATORY

Date Reported: July 03, 2002
Date Printed: July 25, 2002

Client: Burns & McDonnell
Lab Order: 0206134
Project: 26168, Hawthorne Parcel 1
Lab ID: 0206134-012

Client Sample ID: HAS SP12 002
Collection Date: 6/18/2002 2:30:00 PM
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		**SW5035/8260B**		Prep Date: **6/19/2002**		Analyst: **PS**
Methylene chloride	ND	0.034		mg/Kg-dry	1	6/27/2002
Styrene	ND	0.017		mg/Kg-dry	1	6/27/2002
1,1,2,2-Tetrachloroethane	ND	0.017		mg/Kg-dry	1	6/27/2002
Tetrachloroethene	ND	0.017		mg/Kg-dry	1	6/27/2002
Toluene	0.075	0.017		mg/Kg-dry	1	6/27/2002
1,1,1-Trichloroethane	ND	0.017		mg/Kg-dry	1	6/27/2002
1,1,2-Trichloroethane	ND	0.017		mg/Kg-dry	1	6/27/2002
Trichloroethene	ND	0.017		mg/Kg-dry	1	6/27/2002
Vinyl chloride	ND	0.017		mg/Kg-dry	1	6/27/2002
m,p-Xylene	0.086	0.017		mg/Kg-dry	1	6/27/2002
o-Xylene	0.047	0.017		mg/Kg-dry	1	6/27/2002
Cyanide, Total		**SW9012A**		Prep Date: **6/21/2002**		Analyst: **YZ**
Cyanide	ND	0.31		mg/Kg-dry	1	6/26/2002
Percent Moisture		**D2216**		Prep Date: **6/26/2002**		Analyst: **PMS**
Percent Moisture	19.63	0.01		wt%	1	6/26/2002

Qualifiers:
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* - Value exceeds Maximum Contaminant Level
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E - Value above quantitation range

STAT Analysis Corporation **Date:** 25-Jul-02

CLIENT: Burns & McDonnell
Work Order: 0206134
Project: 26168, Hawthorne Parcel 1
Test No: SW5035/8260B **Matrix:**

QC SUMMARY REPORT
SURROGATE RECOVERIES

Sample ID	BR4FBZ	BZMED8	DBFM	DCA12D4				
VSTD050A	106	99.4	102	100				
VBLK062602A-2	109	99.6	102	98.7				
VLCS062602A-2	105	98.9	104	94.8				
0206134-001A	89.7	94.5	109	108				
0206134-001AMS	91.2	97.1	105	102				
0206134-001AMSD	81.5	92.1	116	107				
0206134-004A	108	102	106	106				
0206134-006A	87.5	95.3	108	105				
0206134-008A	82.8	88.7	116	110				
0206134-003A	96.9	98.4	110	104				
0206134-007A	106	100	111	101				
0206134-002A	87.2	93.2	106	100				
VSTD050	105	97.7	103	103				
VBLK062702-2	106	98.1	103	105				
VLCS062702r-2	101	97.5	101	101				
0206134-009A	84.9	88.9	110	109				
0206134-010A	77.1	85.1	110	111				
0206134-011A	86.1	90.5	109	110				
0206134-011AMS	80.7	92.0	107	110				
0206134-011AMSD	77.3	90.4	110	110				
0206134-005A	99.2	99.6	106	106				
0206134-012A	92.3	94.8	105	104				

Acronym		Surrogate	QC Limits
BR4FBZ	=	4-Bromofluorobenzene	59-113
BZMED8	=	Toluene-d8	81-117
DBFM	=	Dibromofluoromethane	70-121
DCA12D4	=	1,2-Dichloroethane-d4	70-121

*** Surrogate recovery outside acceptance limits**

STAT Analysis Corporation **Date:** 25-Jul-02

CLIENT: Burns & McDonnell
Work Order: 0206134
Project: 26168, Hawthorne Parcel 1
Test No: SW8270C **Matrix:**

QC SUMMARY REPORT
SURROGATE RECOVERIES

Sample ID	CLPH2D4	DCBZ12D4	NO2BZD5	PH246BR	PH2F	PHD5	PHEN2F	PHEND14
MB-3147-SVOC	83.2	70.8	81.2	81.8	71.3	83.7	78.7	68.9
LCS-3147-SVOC	76.0	64.1	75.7	82.3	63.3	81.0	72.7	66.4
0206134-001B	91.9	76.8	92.3	95.2	76.9	93.0	88.2	78.3
0206134-001BMS	74.5	60.8	75.4	84.8	60.1	80.9	73.4	69.9
0206134-001BMSD	81.8	67.9	83.7	89.5	67.4	87.0	79.1	71.5
0206134-003B	29.0	22.7	28.1	46.3	25.1	30.7	32.3	42.5
0206134-005B	91.5	76.5	93.3	100	77.8	92.8	89.9	84.9
0206134-007B	97.1	81.9	98.7	96.6	84.1	98.1	90.8	75.1
0206134-009B	97.6	81.9	99.2	98.3	81.7	99.0	91.9	79.5
0206134-010B	92.1	79.1	101	80.8	76.4	92.5	90.4	81.6
0206134-012B	25.0	18.4 *	25.9	70.5	19.4 *	30.4	38.1	63.7
0206134-002B	113	96.2	111	104	101	106	106	89.9
0206134-004B	87.8	71.0	92.1	95.0	69.9	88.0	87.1	79.5
0206134-006B	91.6	76.3	93.7	95.1	75.4	91.0	83.8	78.2
0206134-008B	86.4	72.8	88.4	93.5	71.8	88.0	80.1	80.8
0206134-011B	105	87.9	111	112	83.8	105	97.2	92.9
0206134-011BMS	81.8	67.7	86.4	88.4	66.9	86.2	76.5	70.8
0206134-011BMSD	81.5	68.6	86.8	82.3	65.7	85.6	75.5	67.6

Acronym		Surrogate	QC Limits
CLPH2D4	=	2-Chlorophenol-d4	20-130
DCBZ12D4	=	1,2-Dichlorobenzene-d4	20-130
NO2BZD5	=	Nitrobenzene-d5	23-120
PH246BR	=	2,4,6-Tribromophenol	19-122
PH2F	=	2-Fluorophenol	25-121
PHD5	=	Phenol-d5	24-113
PHEN2F	=	2-Fluorobiphenyl	30-115
PHEND14	=	4-Terphenyl-d14	18-137

*** Surrogate recovery outside acceptance limits**

STAT Analysis Corporation

PREP BATCH REPORT

Prep Start Date: **6/27/2002 9:02:14 P**
Prep End Date: **6/28/2002 9:41:02 P**

Prep Batch **3147** Prep Code: **3550_SVOC** Technician: **CDM**

Prep Factor Units: **mL / Kg**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
0206103-001B	Soil		0.03073	0	0	5	162.707	6/27/2002	6/28/2002
0206103-002B	Soil		0.03099	0	0	1	32.268	6/27/2002	6/28/2002
0206122-006B	Soil		0.03069	0	0	1	32.584	6/27/2002	6/28/2002
0206134-001B	Soil		0.03012	0	0	1	33.201	6/27/2002	6/28/2002
0206134-001BMS	Soil		0.03082	0	0	1	32.446	6/27/2002	6/28/2002
0206134-001BMSD	Soil		0.03004	0	0	1	33.289	6/27/2002	6/28/2002
0206134-002B	Soil		0.00354	0	0	5	1412.429	6/27/2002	6/28/2002
0206134-003B	Soil		0.03124	0	0	1	32.010	6/27/2002	6/28/2002
0206134-004B	Soil		0.00318	0	0	1	314.465	6/27/2002	6/28/2002
0206134-005B	Soil		0.031	0	0	1	32.258	6/27/2002	6/28/2002
0206134-006B	Soil		0.03112	0	0	1	32.134	6/27/2002	6/28/2002
0206134-007B	Soil		0.03192	0	0	1	31.328	6/27/2002	6/28/2002
0206134-008B	Soil		0.03044	0	0	1	32.852	6/27/2002	6/28/2002
0206134-009B	Soil		0.03137	0	0	1	31.878	6/27/2002	6/28/2002
0206134-010B	Soil		0.03166	0	0	1	31.586	6/27/2002	6/28/2002
0206134-011B	Soil		0.03067	0	0	1	32.605	6/27/2002	6/28/2002
0206134-011BMS	Soil		0.03064	0	0	1	32.637	6/27/2002	6/28/2002
0206134-011BMSD	Soil		0.03065	0	0	1	32.626	6/27/2002	6/28/2002
0206134-012B	Soil		0.03068	0	0	1	32.595	6/27/2002	6/28/2002
0207119-001B	Soil		0.03048	0	0	1	32.808	6/27/2002	6/28/2002
0207119-002B	Soil		0.03079	0	0	1	32.478	6/27/2002	6/28/2002
0207119-003B	Soil		0.03041	0	0	1	32.884	6/27/2002	6/28/2002
0207119-004B	Soil		0.03037	0	0	1	32.927	6/27/2002	6/28/2002
0207119-005B	Soil		0.03186	0	0	1	31.387	6/27/2002	6/28/2002
LCS-3147-SVOC			0.03	0	0	1	33.333	6/27/2002	6/28/2002

STAT Analysis Corporation

PREP BATCH REPORT

Prep Start Date: **6/27/2002 9:02:14 P**
Prep End Date: **6/28/2002 9:41:02 P**

Prep Batch **3147** Prep Code: **3550_SVOC** Technician: **CDM**

Prep Factor Units: **mL / Kg**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
MB-3147-SVOC			0.03	0	0	1	33.333	6/27/2002	6/28/2002

STAT Analysis Corporation **Date:** 25-Jul-02

CLIENT: Burns & McDonnell
Work Order: 0206134
Project: 26168, Hawthorne Parcel 1
Test No: SW8270(SIM) **Matrix:**

QC SUMMARY REPORT
SURROGATE RECOVERIES

Sample ID	DCBZ12D4	NO2BZD5	PHEN2F	PHEND14				
MB-3148-PNA	80.2	66.1	89.8	102				
LCS-3148-PNA	73.3	59.5	90.4	112				
0206134-005B	41.8	46.1	49.1	57.2				
0206134-007B	58.3	63.4	57.7	67.0				
0206134-001B	50.4	55.1	52.4	63.9				
0206134-001BMS	76.4	72.7	90.8	120				
0206134-001BMSD	77.8	73.5	88.6	125				
0206134-009B	49.5	55.2	50.6	62.0				
0206134-003B	28.6	33.4	39.0	61.1				
0206134-012B	32.0	56.1	64.5	64.1				
0206134-008B	35.6	40.1	39.9	59.1				
0206134-010B	40.3	45.4	46.8	60.5				
0206134-006B	42.1	46.8	46.4	62.1				
0206134-011B	30.0	33.7	33.4	45.8				
0206134-002B	56.2	63.1	62.4	72.8				
0206134-004B	43.8	51.6	54.8	70.7				

Acronym		Surrogate	QC Limits
DCBZ12D4	=	1,2-Dichlorobenzene-d4	20-130
NO2BZD5	=	Nitrobenzene-d5	23-120
PHEN2F	=	2-Fluorobiphenyl	30-115
PHEND14	=	4-Terphenyl-d14	18-137

*** Surrogate recovery outside acceptance limits**

STAT Analysis Corporation

PREP BATCH REPORT

Prep Start Date: **6/27/2002 9:04:20 P**
Prep End Date: **6/28/2002 9:41:36 P**

Prep Batch **3148** Prep Code: **3550_PNA** Technician: **CDM**

Prep Factor Units: **mL / Kg**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
0206103-001B	Soil		0.03073	0	0	5	162.707	6/27/2002	6/28/2002
0206103-002B	Soil		0.03099	0	0	1	32.268	6/27/2002	6/28/2002
0206122-006B	Soil		0.03069	0	0	1	32.584	6/27/2002	6/28/2002
0206134-001B	Soil		0.03012	0	0	1	33.201	6/27/2002	6/28/2002
0206134-001BMS	Soil		0.0305	0	0	1	32.787	6/27/2002	6/28/2002
0206134-001BMSD	Soil		0.03083	0	0	1	32.436	6/27/2002	6/28/2002
0206134-002B	Soil		0.00354	0	0	5	1412.429	6/27/2002	6/28/2002
0206134-003B	Soil		0.03124	0	0	1	32.010	6/27/2002	6/28/2002
0206134-004B	Soil		0.00318	0	0	1	314.465	6/27/2002	6/28/2002
0206134-005B	Soil		0.031	0	0	1	32.258	6/27/2002	6/28/2002
0206134-006B	Soil		0.03112	0	0	1	32.134	6/27/2002	6/28/2002
0206134-007B	Soil		0.03192	0	0	1	31.328	6/27/2002	6/28/2002
0206134-008B	Soil		0.03044	0	0	1	32.852	6/27/2002	6/28/2002
0206134-009B	Soil		0.03137	0	0	1	31.878	6/27/2002	6/28/2002
0206134-010B	Soil		0.03166	0	0	1	31.586	6/27/2002	6/28/2002
0206134-011B	Soil		0.03067	0	0	1	32.605	6/27/2002	6/28/2002
0206134-011BMS	Soil		0.03011	0	0	1	33.212	6/27/2002	6/28/2002
0206134-011BMSD	Soil		0.03065	0	0	1	32.626	6/27/2002	6/28/2002
0206134-012B	Soil		0.03068	0	0	1	32.595	6/27/2002	6/28/2002
0207119-001B	Soil		0.03048	0	0	1	32.808	6/27/2002	6/28/2002
0207119-002B	Soil		0.03079	0	0	1	32.478	6/27/2002	6/28/2002
0207119-003B	Soil		0.03041	0	0	1	32.884	6/27/2002	6/28/2002
0207119-004B	Soil		0.03037	0	0	1	32.927	6/27/2002	6/28/2002
0207119-005B	Soil		0.03186	0	0	1	31.387	6/27/2002	6/28/2002
LCS-3148-PNA			0.03	0	0	1	33.333	6/27/2002	6/28/2002

STAT Analysis Corporation

PREP BATCH REPORT

Prep Start Date: **6/27/2002 9:04:20 P**
Prep End Date: **6/28/2002 9:41:36 P**

Prep Batch **3148** Prep Code: **3550_PNA** Technician: **CDM**

Prep Factor Units: **mL / Kg**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
MB-3148-PNA			0.03	0	0	1	33.333	6/27/2002	6/28/2002

STAT Analysis Corporation Date: 25-Jul-02

CLIENT: Burns & McDonnell
Work Order: 0206134
Project: 26168, Hawthorne Parcel 1
Test No: SW8082 **Matrix:**

QC SUMMARY REPORT SURROGATE RECOVERIES

Sample ID	CL10BZ2	XYL2456CLM						
MB-3149-PCB	92.9	88.9						
LCS-3149-PCB	90.9	85.9						
0206134-001B	82.8	88.9						
0206134-001BMS	87.9	91.9						
0206134-001BMSD	96.0	98.0						
0206134-002B	86.9	84.8						
0206134-003B	96.0	98.0						
0206134-004B	100	96.0						
0206134-005B	100	100						
0206134-006B	113	92.9						
0206134-007B	97.0	91.9						
0206134-008B	108	93.9						
0206134-009B	100	97.0						
0206134-010B	97.0	96.0						
0206134-011B	99.0	98.0						
0206134-011BMS	97.0	97.0						
0206134-011BMSD	98.0	98.0						
0206134-012B	93.9	88.9						

Acronym		Surrogate	QC Limits
CL10BZ2	=	Decachlorobiphenyl	30-150
XYL2456CLM	=	Tetrachloro-m-xylene	30-150

*** Surrogate recovery outside acceptance limits**

STAT Analysis Corporation

PREP BATCH REPORT

Prep Start Date: **6/21/2002 1:00:00 P**
Prep End Date: **6/21/2002 6:00:00 P**

Prep Batch **3112** Prep Code: **TCNPREP_S** Technician: **CT**

Prep Factor Units: **mL / g**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
0206134-001B	Soil		1.01	0	0	50	49.505	6/21/2002	6/21/2002
0206134-001BMS	Soil		1	0	0	50	50.000	6/21/2002	6/21/2002
0206134-001BMSD	Soil		1	0	0	50	50.000	6/21/2002	6/21/2002
0206134-009B	Soil		1.01	0	0	50	49.505	6/21/2002	6/21/2002
0206134-010B	Soil		1	0	0	50	50.000	6/21/2002	6/21/2002
0206134-012B	Soil		1	0	0	50	50.000	6/21/2002	6/21/2002
0207119-001B	Soil		1	0	0	50	50.000	6/21/2002	6/21/2002
0207119-002B	Soil		1	0	0	50	50.000	6/21/2002	6/21/2002
0207119-003B	Soil		1	0	0	50	50.000	6/21/2002	6/21/2002
0207119-004B	Soil		1.01	0	0	50	49.505	6/21/2002	6/21/2002
0207119-005B	Soil		1	0	0	50	50.000	6/21/2002	6/21/2002
0206143-001A	Free Product		1	0	0	50	50.000	6/21/2002	6/21/2002
0206143-002A	Free Product		1	0	0	50	50.000	6/21/2002	6/21/2002
0206148-001B	Soil		1.02	0	0	50	49.020	6/21/2002	6/21/2002
0206148-002B	Soil		1	0	0	50	50.000	6/21/2002	6/21/2002
0206148-003B	Soil		1.01	0	0	50	49.505	6/21/2002	6/21/2002
0206148-004B	Soil		1	0	0	50	50.000	6/21/2002	6/21/2002
0206148-005B	Soil		1	0	0	50	50.000	6/21/2002	6/21/2002
0206148-006B	Soil		1.01	0	0	50	49.505	6/21/2002	6/21/2002
0206148-007B	Soil		1	0	0	50	50.000	6/21/2002	6/21/2002
0206148-008B	Soil		1.01	0	0	50	49.505	6/21/2002	6/21/2002
0206148-009B	Soil		1	0	0	50	50.000	6/21/2002	6/21/2002
TCNLCSDS2 062102			1	0	0	50	50.000	6/21/2002	6/21/2002
TCNLCSS2 062102			1	0	0	50	50.000	6/21/2002	6/21/2002
TCNMBS2 062102			1	0	0	50	50.000	6/21/2002	6/21/2002

STAT Analysis Corporation

PREP BATCH REPORT

Prep Start Date: **6/27/2002 9:04:20 A**
Prep End Date: **6/28/2002 9:41:53 P**

Prep Batch **3149** Prep Code: **3550_PCB** Technician: **CDM**

Prep Factor Units: **mL / Kg**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
0206122-006B	Soil		0.03142	0	0	10	318.269	6/28/2002	6/28/2002
0206134-001B	Soil		0.03082	0	0	10	324.465	6/28/2002	6/28/2002
0206134-001BMS	Soil		0.03017	0	0	10	331.455	6/28/2002	6/28/2002
0206134-001BMSD	Soil		0.03171	0	0	10	315.358	6/28/2002	6/28/2002
0206134-002B	Soil		0.00311	0	0	10	3215.434	6/28/2002	6/28/2002
0206134-003B	Soil		0.03032	0	0	10	329.815	6/28/2002	6/28/2002
0206134-004B	Soil		0.00321	0	0	10	3115.265	6/28/2002	6/28/2002
0206134-005B	Soil		0.03149	0	0	10	317.561	6/28/2002	6/28/2002
0206134-006B	Soil		0.03137	0	0	10	318.776	6/28/2002	6/28/2002
0206134-007B	Soil		0.03077	0	0	10	324.992	6/28/2002	6/28/2002
0206134-008B	Soil		0.03064	0	0	10	326.371	6/28/2002	6/28/2002
0206134-009B	Soil		0.03146	0	0	10	317.864	6/28/2002	6/28/2002
0206134-010B	Soil		0.03101	0	0	10	322.477	6/28/2002	6/28/2002
0206134-011B	Soil		0.03056	0	0	10	327.225	6/28/2002	6/28/2002
0206134-011BMS	Soil		0.03048	0	0	10	328.084	6/28/2002	6/28/2002
0206134-011BMSD	Soil		0.03076	0	0	10	325.098	6/28/2002	6/28/2002
0206134-012B	Soil		0.03051	0	0	10	327.761	6/28/2002	6/28/2002
0207119-001B	Soil		0.03061	0	0	10	326.691	6/28/2002	6/28/2002
0207119-002B	Soil		0.03051	0	0	10	327.761	6/28/2002	6/28/2002
0207119-003B	Soil		0.03104	0	0	10	322.165	6/28/2002	6/28/2002
0207119-004B	Soil		0.03087	0	0	10	323.939	6/28/2002	6/28/2002
0207119-005B	Soil		0.03059	0	0	10	326.904	6/28/2002	6/28/2002
LCS-3149-PCB			0.03	0	0	10	333.333	6/28/2002	6/28/2002
MB-3149-PCB			0.03	0	0	10	333.333	6/28/2002	6/28/2002

STAT Analysis Corporation

PREP BATCH REPORT

Prep Start Date: **6/21/2002 4:30:00 P**
Prep End Date: **6/22/2002 9:30:00 A**

Prep Batch **3061** Prep Code: **M_S_PREP** Technician: **ASM**

Prep Factor Units: **mL / g**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
0206100-021B	Soil		1.039	0	0	50	48.123	6/21/2002	6/22/2002
0206100-022B	Soil		1.059	0	0	50	47.214	6/21/2002	6/22/2002
0206100-023B	Soil		1.066	0	0	50	46.904	6/21/2002	6/22/2002
0206103-001B	Soil		1.05	0	0	50	47.619	6/21/2002	6/22/2002
0206103-002B	Soil		1.039	0	0	50	48.123	6/21/2002	6/22/2002
0206103-003B	Soil		1.002	0	0	50	49.900	6/21/2002	6/22/2002
0206103-004B	Soil		1.018	0	0	50	49.116	6/21/2002	6/22/2002
0206103-005B	Soil		1.027	0	0	50	48.685	6/21/2002	6/22/2002
0206103-006B	Soil		1.067	0	0	50	46.860	6/21/2002	6/22/2002
0206103-007B	Soil		1.052	0	0	50	47.529	6/21/2002	6/22/2002
0206103-009B	Soil		1.045	0	0	50	47.847	6/21/2002	6/22/2002
0206103-010B	Soil		1.053	0	0	50	47.483	6/21/2002	6/22/2002
0206103-011B	Soil		1.026	0	0	50	48.733	6/21/2002	6/22/2002
0206103-012B	Soil		1.001	0	0	50	49.950	6/21/2002	6/22/2002
0206103-013B	Soil		1.006	0	0	50	49.702	6/21/2002	6/22/2002
0206103-014B	Soil		1.058	0	0	50	47.259	6/21/2002	6/22/2002
0206134-001B	Soil		1.045	0	0	50	47.847	6/21/2002	6/22/2002
0206134-001BMS	Soil		1.025	0	0	50	48.780	6/21/2002	6/22/2002
0206134-001BMSD	Soil		1.045	0	0	50	47.847	6/21/2002	6/22/2002
0206134-002B	Soil		1.021	0	0	50	48.972	6/21/2002	6/22/2002
0206134-003B	Soil		1.005	0	0	50	49.751	6/21/2002	6/22/2002
0206134-004B	Soil		1.035	0	0	50	48.309	6/21/2002	6/22/2002
ILCSDS2 06/21/02			1	0	0	50	50.000	6/21/2002	6/22/2002
ILCSS2 06/21/02			1	0	0	50	50.000	6/21/2002	6/22/2002
IMBS2 06/21/02			1	0	0	50	50.000	6/21/2002	6/22/2002

STAT Analysis Corporation

PREP BATCH REPORT

Prep Start Date: **6/21/2002 4:30:00 P**
Prep End Date: **6/22/2002 9:30:00 A**

Prep Batch **3061** Prep Code: **M_S_PREP** Technician: **ASM**

Prep Factor Units: **mL / g**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
ISLCS2 06/21/02			0.511	0	0	50	97.847	6/21/2002	6/22/2002

STAT Analysis Corporation

PREP BATCH REPORT

Prep Start Date: **6/22/2002 9:00:00 A**
Prep End Date: **6/22/2002 12:00:00**

Prep Batch **3062** Prep Code: **M_S_PREP** Technician: **JG**

Prep Factor Units: **mL / g**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
0206134-005B	Soil		1.075	0	0	50	46.512	6/22/2002	6/22/2002
0206134-006B	Soil		1.091	0	0	50	45.830	6/22/2002	6/22/2002
0206134-007B	Soil		1.003	0	0	50	49.850	6/22/2002	6/22/2002
0206134-008B	Soil		1.063	0	0	50	47.037	6/22/2002	6/22/2002
0206134-009B	Soil		1.027	0	0	50	48.685	6/22/2002	6/22/2002
0206134-010B	Soil		1.088	0	0	50	45.956	6/22/2002	6/22/2002
0206134-011B	Soil		1.043	0	0	50	47.939	6/22/2002	6/22/2002
0206134-011BMS	Soil		1.0332	0	0	50	48.393	6/22/2002	6/22/2002
0206134-011BMSD	Soil		1.036	0	0	50	48.263	6/22/2002	6/22/2002
0206134-012B	Soil		1.006	0	0	50	49.702	6/22/2002	6/22/2002
0207119-001B	Soil		1.023	0	0	50	48.876	6/22/2002	6/22/2002
0207119-002B	Soil		1.02	0	0	50	49.020	6/22/2002	6/22/2002
0207119-003B	Soil		1.007	0	0	50	49.652	6/22/2002	6/22/2002
0207119-004B	Soil		1.041	0	0	50	48.031	6/22/2002	6/22/2002
0207119-005B	Soil		1.033	0	0	50	48.403	6/22/2002	6/22/2002
0206148-001B	Soil		1.008	0	0	50	49.603	6/22/2002	6/22/2002
0206148-002B	Soil		1.008	0	0	50	49.603	6/22/2002	6/22/2002
0206148-003B	Soil		1.062	0	0	50	47.081	6/22/2002	6/22/2002
0206148-004B	Soil		1.065	0	0	50	46.948	6/22/2002	6/22/2002
0206148-005B	Soil		1.082	0	0	50	46.211	6/22/2002	6/22/2002
0206148-006B	Soil		1.003	0	0	50	49.850	6/22/2002	6/22/2002
0206148-007B	Soil		1.083	0	0	50	46.168	6/22/2002	6/22/2002
ILCSDS1 06/22/02			1	0	0	50	50.000	6/22/2002	6/22/2002
ILCSS1 06/22/02			1	0	0	50	50.000	6/22/2002	6/22/2002
IMBS1 06/22/02			1	0	0	50	50.000	6/22/2002	6/22/2002

STAT Analysis Corporation

PREP BATCH REPORT

Prep Start Date: **6/22/2002 9:00:00 A**
Prep End Date: **6/22/2002 12:00:00**

Prep Batch **3062** Prep Code: **M_S_PREP** Technician: **JG**

Prep Factor Units: **mL / g**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
ISLCS1 06/22/02			0.502	0	0	50	99.602	6/22/2002	6/22/2002

STAT Analysis Corporation

PREP BATCH REPORT

Prep Start Date: **6/24/2002 11:30:00**
Prep End Date: **6/24/2002 12:00:00**

Prep Batch **3084** Prep Code: **M_HG_S_PRE** Technician: **JG**

Prep Factor Units: **mL / g**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
0206134-001B	Soil		0.311	0	0	30	96.463	6/24/2002	6/24/2002
0206134-001BMS	Soil		0.313	0	0	30	95.847	6/24/2002	6/24/2002
0206134-001BMSD	Soil		0.316	0	0	30	94.937	6/24/2002	6/24/2002
0206134-002B	Soil		0.308	0	0	30	97.403	6/24/2002	6/24/2002
0206134-003B	Soil		0.306	0	0	30	98.039	6/24/2002	6/24/2002
0206134-004B	Soil		0.308	0	0	30	97.403	6/24/2002	6/24/2002
0206134-005B	Soil		0.317	0	0	30	94.637	6/24/2002	6/24/2002
0206134-006B	Soil		0.312	0	0	30	96.154	6/24/2002	6/24/2002
0206134-007B	Soil		0.311	0	0	30	96.463	6/24/2002	6/24/2002
0206134-008B	Soil		0.304	0	0	30	98.684	6/24/2002	6/24/2002
0206134-009B	Soil		0.319	0	0	30	94.044	6/24/2002	6/24/2002
0206134-010B	Soil		0.321	0	0	30	93.458	6/24/2002	6/24/2002
0206134-011B	Soil		0.302	0	0	30	99.338	6/24/2002	6/24/2002
0206134-011BMS	Soil		0.303	0	0	30	99.010	6/24/2002	6/24/2002
0206134-011BMSD	Soil		0.314	0	0	30	95.541	6/24/2002	6/24/2002
0206134-012B	Soil		0.308	0	0	30	97.403	6/24/2002	6/24/2002
0207119-001B	Soil		0.315	0	0	30	95.238	6/24/2002	6/24/2002
0207119-002B	Soil		0.312	0	0	30	96.154	6/24/2002	6/24/2002
0207119-003B	Soil		0.305	0	0	30	98.361	6/24/2002	6/24/2002
0207119-004B	Soil		0.31	0	0	30	96.774	6/24/2002	6/24/2002
0207119-005B	Soil		0.308	0	0	30	97.403	6/24/2002	6/24/2002
0206159-001B	Soil		0.31	0	0	30	96.774	6/24/2002	6/24/2002
0206165-001A	Soil		0.311	0	0	30	96.463	6/24/2002	6/24/2002
HGLCSDS1 06/24/02			0.3	0	0	30	100.000	6/24/2002	6/24/2002
HGLCSS1 06/24/02			0.3	0	0	30	100.000	6/24/2002	6/24/2002

STAT Analysis Corporation

PREP BATCH REPORT

Prep Start Date: **6/24/2002 11:30:00**
Prep End Date: **6/24/2002 12:00:00**

Prep Batch **3084** Prep Code: **M_HG_S_PRE** Technician: **JG**

Prep Factor Units: **mL / g**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
HGMBS1 06/24/02			0.3	0	0	30	100.000	6/24/2002	6/24/2002
HGSLCS1 06/24/02			0.317	0	0	30	94.637	6/24/2002	6/24/2002

STAT Analysis Corporation

PREP BATCH REPORT

Prep Start Date: **6/25/2002 10:30:00**
Prep End Date: **6/25/2002 11:00:00**

Prep Batch **3135** Prep Code: **M_HG_S_PRE** Technician: **JG**

Prep Factor Units: **mL / g**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
0206127-021B	Soil		0.304	0	0	30	98.684	6/25/2002	6/25/2002
0206127-022B	Soil		0.329	0	0	30	91.185	6/25/2002	6/25/2002
0206127-023B	Soil		0.314	0	0	30	95.541	6/25/2002	6/25/2002
0206127-024B	Soil		0.311	0	0	30	96.463	6/25/2002	6/25/2002
0206127-025B	Soil		0.319	0	0	30	94.044	6/25/2002	6/25/2002
0206127-026B	Soil		0.305	0	0	30	98.361	6/25/2002	6/25/2002
0206134-011B	Soil		0.307	0	0	30	97.720	6/25/2002	6/25/2002
0206134-011BMS	Soil		0.309	0	0	30	97.087	6/25/2002	6/25/2002
0206134-011BMSD	Soil		0.326	0	0	30	92.025	6/25/2002	6/25/2002
0206148-021B	Soil		0.315	0	0	30	95.238	6/25/2002	6/25/2002
0206148-022B	Soil		0.303	0	0	30	99.010	6/25/2002	6/25/2002
0206148-023B	Soil		0.329	0	0	30	91.185	6/25/2002	6/25/2002
0206148-023BMS	Soil		0.308	0	0	30	97.403	6/25/2002	6/25/2002
0206148-023BMSD	Soil		0.303	0	0	30	99.010	6/25/2002	6/25/2002
0206182-001A	Soil		0.312	0	0	30	96.154	6/25/2002	6/25/2002
HGLCSDS1 06/25/02			0.3	0	0	30	100.000	6/25/2002	6/25/2002
HGLCSS1 06/25/02			0.3	0	0	30	100.000	6/25/2002	6/25/2002
HGMBS1 06/25/02			0.3	0	0	30	100.000	6/25/2002	6/25/2002
HGSLCS1 06/25/02			0.304	0	0	30	98.684	6/25/2002	6/25/2002

STAT Analysis Corporation

PREP BATCH REPORT

Prep Start Date: **6/21/2002 12:25:01**
Prep End Date: **6/28/2002 10:52:02**

Prep Batch **3109** Prep Code: **TCNPREP_S** Technician: **CT**

Prep Factor Units: **mL / g**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
0206122-007B	Soil		1	0	0	50	50.000	6/21/2002	6/21/2002
0206122-007BMS	Soil		1	0	0	50	50.000	6/21/2002	6/21/2002
0206122-007BMSD	Soil		1	0	0	50	50.000	6/21/2002	6/21/2002
0206122-008B	Soil		1	0	0	50	50.000	6/21/2002	6/21/2002
0206122-009B	Soil		1.01	0	0	50	49.505	6/21/2002	6/21/2002
0206127-017B	Soil		1	0	0	50	50.000	6/21/2002	6/21/2002
0206127-018B	Soil		1	0	0	50	50.000	6/21/2002	6/21/2002
0206127-019B	Soil		1	0	0	50	50.000	6/21/2002	6/21/2002
0206127-020B	Soil		1	0	0	50	50.000	6/21/2002	6/21/2002
0206127-021B	Soil		1.02	0	0	50	49.020	6/21/2002	6/21/2002
0206127-022B	Soil		1.01	0	0	50	49.505	6/21/2002	6/21/2002
0206127-023B	Soil		1	0	0	50	50.000	6/21/2002	6/21/2002
0206127-024B	Soil		1.02	0	0	50	49.020	6/21/2002	6/21/2002
0206127-025B	Soil		1	0	0	50	50.000	6/21/2002	6/21/2002
0206127-026B	Soil		1.01	0	0	50	49.505	6/21/2002	6/21/2002
0206134-002B	Soil		1.01	0	0	50	49.505	6/21/2002	6/21/2002
0206134-003B	Soil		1	0	0	50	50.000	6/21/2002	6/21/2002
0206134-004B	Soil		1.01	0	0	50	49.505	6/21/2002	6/21/2002
0206134-005B	Soil		1.01	0	0	50	49.505	6/21/2002	6/21/2002
0206134-006B	Soil		1.01	0	0	50	49.505	6/21/2002	6/21/2002
0206134-007B	Soil		1.01	0	0	50	49.505	6/21/2002	6/21/2002
0206134-008B	Soil		1.02	0	0	50	49.020	6/21/2002	6/21/2002
TCNLCSDS1 062102			1	0	0	50	50.000	6/21/2002	6/21/2002
TCNLCSS1 062102			1	0	0	50	50.000	6/21/2002	6/21/2002
TCNMBS1 062102			1	0	0	50	50.000	6/21/2002	6/21/2002

STAT Analysis Corporation

PREP BATCH REPORT

Prep Start Date: **6/24/2002 7:00:00 A**
Prep End Date: **6/24/2002 2:00:00 P**

Prep Batch **3118** Prep Code: **TCNPREP_S** Technician: **CT**

Prep Factor Units: **mL / g**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
0206134-011B	Soil		1	0	0	50	50.000	6/24/2002	6/24/2002
0206134-011BMS	Soil		1.02	0	0	50	49.020	6/24/2002	6/24/2002
0206134-011BMSD	Soil		1.01	0	0	50	49.505	6/24/2002	6/24/2002
0206139-001B	Soil		1	0	0	50	50.000	6/24/2002	6/24/2002
0206139-002B	Soil		1	0	0	50	50.000	6/24/2002	6/24/2002
0206139-003B	Soil		1	0	0	50	50.000	6/24/2002	6/24/2002
0206139-004B	Soil		1.01	0	0	50	49.505	6/24/2002	6/24/2002
0206139-005B	Soil		1	0	0	50	50.000	6/24/2002	6/24/2002
0206148-010B	Soil		1.01	0	0	50	49.505	6/24/2002	6/24/2002
0206148-011B	Soil		1.01	0	0	50	49.505	6/24/2002	6/24/2002
0206148-012B	Soil		1	0	0	50	50.000	6/24/2002	6/24/2002
0206148-013B	Soil		1.01	0	0	50	49.505	6/24/2002	6/24/2002
0206148-014B	Soil		1	0	0	50	50.000	6/24/2002	6/24/2002
0206148-015B	Soil		1.01	0	0	50	49.505	6/24/2002	6/24/2002
0206148-016B	Soil		1	0	0	50	50.000	6/24/2002	6/24/2002
0206148-017B	Soil		1	0	0	50	50.000	6/24/2002	6/24/2002
0206148-018B	Soil		1	0	0	50	50.000	6/24/2002	6/24/2002
0206148-019B	Soil		1	0	0	50	50.000	6/24/2002	6/24/2002
0206148-020B	Soil		1.01	0	0	50	49.505	6/24/2002	6/24/2002
0206148-021B	Soil		1	0	0	50	50.000	6/24/2002	6/24/2002
0206148-022B	Soil		1.01	0	0	50	49.505	6/24/2002	6/24/2002
0206148-023B	Soil		1	0	0	50	50.000	6/24/2002	6/24/2002
TCNLCSDS1 062402			1	0	0	50	50.000	6/24/2002	6/24/2002
TCNLCSS1 062402			1	0	0	50	50.000	6/24/2002	6/24/2002
TCNMBS1 062402			1	0	0	50	50.000	6/24/2002	6/24/2002

STAT Analysis Corporation Date: *July 25, 2002*

CLIENT: Burns & McDonnell
Work Order: 0206134
Project: 26168, Hawthorne Parcel 1

ANALYTICAL QC SUMMARY REPORT

BatchID: 3149

Sample ID: **MB-3149-PCB** SampType: **MBLK** TestCode: **PCB_SOIL** Units: **mg/Kg** Prep Date: **6/28/2002** Run ID: **GC-ECD_020628A**
Client ID: **ZZZZZ** Batch ID: **3149** TestNo: **SW8082** Analysis Date: **6/28/2002** SeqNo: **74620**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	0.080									
Aroclor 1221	ND	0.080									
Aroclor 1232	ND	0.080									
Aroclor 1242	ND	0.080									
Aroclor 1248	ND	0.080									
Aroclor 1254	ND	0.16									
Aroclor 1260	ND	0.16									

Sample ID: **LCS-3149-PCB** SampType: **LCS** TestCode: **PCB_SOIL** Units: **mg/Kg** Prep Date: **6/28/2002** Run ID: **GC-ECD_020628A**
Client ID: **ZZZZZ** Batch ID: **3149** TestNo: **SW8082** Analysis Date: **6/28/2002** SeqNo: **74621**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	0.3031	0.080	0.333	0	91	30	150	0	0		
Aroclor 1260	0.214	0.16	0.333	0	64.3	30	150	0	0		

Sample ID: **0206134-001BMS** SampType: **MS** TestCode: **PCB_SOIL** Units: **mg/Kg-dry** Prep Date: **6/28/2002** Run ID: **GC-ECD_020628A**
Client ID: **HAS SP07 003** Batch ID: **3149** TestNo: **SW8082** Analysis Date: **6/28/2002** SeqNo: **74624**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	0.3646	0.097	0.4043	0	90.2	30	150	0	0		
Aroclor 1260	0.2343	0.19	0.4043	0	58	30	150	0	0		

Sample ID: **0206134-011BMS** SampType: **MS** TestCode: **PCB_SOIL** Units: **mg/Kg-dry** Prep Date: **6/28/2002** Run ID: **GC-ECD_020628A**
Client ID: **HAS SP12 001** Batch ID: **3149** TestNo: **SW8082** Analysis Date: **6/29/2002** SeqNo: **74644**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	0.3687	0.095	0.396	0	93.1	30	150	0	0		
Aroclor 1260	0.3688	0.19	0.396	0	93.1	30	150	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Burns & McDonnell
Work Order: 0206134
Project: 26168, Hawthorne Parcel 1

ANALYTICAL QC SUMMARY REPORT

BatchID: 3149

Sample ID: **0206134-001BMSD** SampType: **MSD** TestCode: **PCB_SOIL** Units: **mg/Kg-dry** Prep Date: **6/28/2002** Run ID: **GC-ECD_020628A**
Client ID: **HAS SP07 003** Batch ID: **3149** TestNo: **SW8082** Analysis Date: **6/29/2002** SeqNo: **74625**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	0.3562	0.092	0.3847	0	92.6	30	150	0.3646	2.35	25	
Aroclor 1260	0.2581	0.18	0.3847	0	67.1	30	150	0.2343	9.64	25	

Sample ID: **0206134-011BMSD** SampType: **MSD** TestCode: **PCB_SOIL** Units: **mg/Kg-dry** Prep Date: **6/28/2002** Run ID: **GC-ECD_020628A**
Client ID: **HAS SP12 001** Batch ID: **3149** TestNo: **SW8082** Analysis Date: **6/29/2002** SeqNo: **74645**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	0.3732	0.094	0.3924	0	95.1	30	150	0.3687	1.21	25	
Aroclor 1260	0.3775	0.19	0.3924	0	96.2	30	150	0.3688	2.34	25	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Burns & McDonnell
Work Order: 0206134
Project: 26168, Hawthorne Parcel 1

ANALYTICAL QC SUMMARY REPORT

BatchID: 3061

Sample ID: **IMBS2 06/21/02** SampType: **MBLK** TestCode: **M_ICPMS_S** Units: **mg/Kg** Prep Date: **6/21/2002** Run ID: **ICPMS_020626B**
Client ID: **ZZZZZ** Batch ID: **3061** TestNo: **SW6020** Analysis Date: **6/27/2002** SeqNo: **73321**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	0.50									
Arsenic	ND	0.25									
Beryllium	ND	0.25									
Cadmium	ND	0.25									
Chromium	0.35	0.50									J
Copper	ND	0.50									
Lead	0.257	0.25									
Nickel	ND	0.50									
Selenium	ND	0.50									
Silver	ND	0.50									
Thallium	0.2795	0.50									J
Zinc	ND	2.5									

Sample ID: **ILCSS2 06/21/02** SampType: **LCS** TestCode: **M_ICPMS_S** Units: **mg/Kg** Prep Date: **6/21/2002** Run ID: **ICPMS_020626B**
Client ID: **ZZZZZ** Batch ID: **3061** TestNo: **SW6020** Analysis Date: **6/27/2002** SeqNo: **73322**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	23.96	0.50	25	0	95.8	80	120	0	0		
Arsenic	23.16	0.25	25	0	92.6	80	120	0	0		
Beryllium	22.5	0.25	25	0	90	80	120	0	0		
Cadmium	22.4	0.25	25	0	89.6	80	120	0	0		
Chromium	23.22	0.50	25	0.35	91.5	80	120	0	0		
Copper	23.07	0.50	25	0	92.3	80	120	0	0		
Lead	24.04	0.25	25	0.257	95.1	80	120	0	0		B
Nickel	23.52	0.50	25	0	94.1	80	120	0	0		
Selenium	21.62	0.50	25	0	86.5	80	120	0	0		
Silver	23.36	0.50	25	0	93.5	80	120	0	0		
Thallium	22.83	0.50	25	0.2795	90.2	80	120	0	0		
Zinc	21.32	2.5	25	0	85.3	80	120	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Burns & McDonnell
Work Order: 0206134
Project: 26168, Hawthorne Parcel 1

ANALYTICAL QC SUMMARY REPORT

BatchID: 3061

Sample ID: **ILCSDS2 06/21/02** SampType: **LCSD** TestCode: **M_ICPMS_S** Units: **mg/Kg** Prep Date: **6/21/2002** Run ID: **ICPMS_020626B**
Client ID: **ZZZZZ** Batch ID: **3061** TestNo: **SW6020** Analysis Date: **6/27/2002** SeqNo: **73323**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	23.94	0.50	25	0	95.8	80	120	23.96	0.0626	20	
Arsenic	23.18	0.25	25	0	92.7	80	120	23.16	0.0863	20	
Beryllium	22.12	0.25	25	0	88.5	80	120	22.5	1.73	20	
Cadmium	22.69	0.25	25	0	90.8	80	120	22.4	1.31	20	
Chromium	23.26	0.50	25	0.35	91.6	80	120	23.22	0.172	20	
Copper	23.52	0.50	25	0	94.1	80	120	23.07	1.93	20	
Lead	23.84	0.25	25	0.257	94.3	80	120	24.04	0.856	20	B
Nickel	23.99	0.50	25	0	96	80	120	23.52	2.00	20	
Selenium	21.96	0.50	25	0	87.8	80	120	21.62	1.51	20	
Thallium	22.88	0.50	25	0.2795	90.4	80	120	22.83	0.241	20	
Zinc	22.3	2.5	25	0	89.2	80	120	21.32	4.47	20	

Sample ID: **ILCSDS2 06/21/02** SampType: **LCSD** TestCode: **M_ICPMS_S** Units: **mg/Kg** Prep Date: **6/21/2002** Run ID: **ICPMS_020627A**
Client ID: **ZZZZZ** Batch ID: **3061** TestNo: **SW6020** Analysis Date: **6/27/2002** SeqNo: **74447**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Silver	22.51	0.50	25	0	90	80	120	0	0		

Sample ID: **0206134-001BMS** SampType: **MS** TestCode: **M_ICPMS_S** Units: **mg/Kg-dry** Prep Date: **6/21/2002** Run ID: **ICPMS_020627A**
Client ID: **HAS SP07 003** Batch ID: **3061** TestNo: **SW6020** Analysis Date: **6/27/2002** SeqNo: **74451**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	3.597	1.2	29.78	0	12.1	75	125	0	0		S
Arsenic	34.89	0.60	29.78	8.494	88.6	75	125	0	0		
Beryllium	22.98	0.60	29.78	0	77.2	75	125	0	0		
Cadmium	25.03	0.60	29.78	0	84.1	75	125	0	0		
Chromium	43.57	1.2	29.78	18.23	85.1	75	125	0	0		
Copper	50.41	1.2	29.78	28.04	75.1	75	125	0	0		
Lead	43.34	0.60	29.78	15.96	91.9	75	125	0	0		
Nickel	57.07	1.2	29.78	32.85	81.3	75	125	0	0		
Selenium	23.58	1.2	29.78	0	79.2	75	125	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Burns & McDonnell
Work Order: 0206134
Project: 26168, Hawthorne Parcel 1

ANALYTICAL QC SUMMARY REPORT

BatchID: 3061

Sample ID: **0206134-001BMS** SampType: **MS** TestCode: **M_ICPMS_S** Units: **mg/Kg-dry** Prep Date: **6/21/2002** Run ID: **ICPMS_020627A**
Client ID: **HAS SP07 003** Batch ID: **3061** TestNo: **SW6020** Analysis Date: **6/27/2002** SeqNo: **74451**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Silver	24.67	1.2	29.78	0	82.8	75	125	0	0		
Thallium	25.56	1.2	29.78	0.8302	83.1	75	125	0	0		
Zinc	64.8	6.0	29.78	43	73.2	75	125	0	0		S

Sample ID: **0206134-001BMSD** SampType: **MSD** TestCode: **M_ICPMS_S** Units: **mg/Kg-dry** Prep Date: **6/21/2002** Run ID: **ICPMS_020627A**
Client ID: **HAS SP07 003** Batch ID: **3061** TestNo: **SW6020** Analysis Date: **6/27/2002** SeqNo: **74452**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	3.939	1.2	29.21	0	13.5	75	125	3.597	9.06	20	S
Arsenic	34.05	0.58	29.21	8.494	87.5	75	125	34.89	2.43	20	
Beryllium	23.07	0.58	29.21	0	79	75	125	22.98	0.373	20	
Cadmium	24.29	0.58	29.21	0	83.1	75	125	25.03	3.03	20	
Chromium	42.5	1.2	29.21	18.23	83.1	75	125	43.57	2.49	20	
Copper	46.03	1.2	29.21	28.04	61.6	75	125	50.41	9.08	20	S
Lead	41.74	0.58	29.21	15.96	88.3	75	125	43.34	3.76	20	
Nickel	55.31	1.2	29.21	32.85	76.9	75	125	57.07	3.12	20	
Selenium	22.85	1.2	29.21	0	78.2	75	125	23.58	3.13	20	
Silver	23.96	1.2	29.21	0	82	75	125	24.67	2.90	20	
Thallium	24.88	1.2	29.21	0.8302	82.3	75	125	25.56	2.70	20	
Zinc	61.34	5.8	29.21	43	62.8	75	125	64.8	5.49	20	S

Sample ID: **0206134-001BPDS** SampType: **PDS** TestCode: **M_ICPMS_S** Units: **mg/Kg-dry** Prep Date: **6/21/2002** Run ID: **ICPMS_020627A**
Client ID: **HAS SP07 003** Batch ID: **3061** TestNo: **SW6020** Analysis Date: **6/27/2002** SeqNo: **74453**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	24.92	1.2	29.21	0	85.3	75	125	0	0		
Copper	48.52	1.2	29.21	28.04	70.1	75	125	0	0		S
Zinc	61.4	5.8	29.21	43	63	75	125	0	0		S

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Burns & McDonnell
Work Order: 0206134
Project: 26168, Hawthorne Parcel 1

ANALYTICAL QC SUMMARY REPORT

BatchID: 3062

Sample ID: **IMBS1 06/22/02** SampType: **MBLK** TestCode: **M_ICPMS_S** Units: **mg/Kg** Prep Date: **6/22/2002** Run ID: **ICPMS_020628A**
Client ID: **ZZZZZ** Batch ID: **3062** TestNo: **SW6020** Analysis Date: **6/28/2002** SeqNo: **74466**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	0.293	0.50									J
Arsenic	ND	0.25									
Beryllium	ND	0.25									
Cadmium	ND	0.25									
Chromium	ND	0.50									
Copper	ND	0.50									
Lead	ND	0.25									
Nickel	ND	0.50									
Selenium	ND	0.50									
Silver	0.1795	0.50									J
Thallium	0.4405	0.50									J
Zinc	ND	2.5									

Sample ID: **ILCSS1 06/22/02** SampType: **LCS** TestCode: **M_ICPMS_S** Units: **mg/Kg** Prep Date: **6/22/2002** Run ID: **ICPMS_020628A**
Client ID: **ZZZZZ** Batch ID: **3062** TestNo: **SW6020** Analysis Date: **6/28/2002** SeqNo: **74467**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	23.22	0.50	25	0.293	91.7	80	120	0	0		
Arsenic	23.2	0.25	25	0	92.8	80	120	0	0		
Beryllium	21.82	0.25	25	0	87.3	80	120	0	0		
Cadmium	22.89	0.25	25	0	91.6	80	120	0	0		
Chromium	24.52	0.50	25	0	98.1	80	120	0	0		
Copper	24.32	0.50	25	0	97.3	80	120	0	0		
Lead	23.12	0.25	25	0	92.5	80	120	0	0		
Nickel	24.94	0.50	25	0	99.7	80	120	0	0		
Selenium	21.89	0.50	25	0	87.6	80	120	0	0		
Silver	23.5	0.50	25	0.1795	93.3	80	120	0	0		
Thallium	22.05	0.50	25	0.4405	86.4	80	120	0	0		
Zinc	23.54	2.5	25	0	94.2	80	120	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Burns & McDonnell
Work Order: 0206134
Project: 26168, Hawthorne Parcel 1

ANALYTICAL QC SUMMARY REPORT

BatchID: 3062

Sample ID: **ILCSDS1 06/22/02** SampType: **LCSD** TestCode: **M_ICPMS_S** Units: **mg/Kg** Prep Date: **6/22/2002** Run ID: **ICPMS_020628A**
Client ID: **ZZZZZ** Batch ID: **3062** TestNo: **SW6020** Analysis Date: **6/28/2002** SeqNo: **74468**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	24.33	0.50	25	0.293	96.1	80	120	23.22	4.67	20	
Arsenic	24.02	0.25	25	0	96.1	80	120	23.2	3.47	20	
Beryllium	22.39	0.25	25	0	89.6	80	120	21.82	2.58	20	
Cadmium	23.95	0.25	25	0	95.8	80	120	22.89	4.53	20	
Chromium	25.25	0.50	25	0	101	80	120	24.52	2.93	20	
Copper	24.72	0.50	25	0	98.9	80	120	24.32	1.59	20	
Lead	24.04	0.25	25	0	96.1	80	120	23.12	3.90	20	
Nickel	25.22	0.50	25	0	101	80	120	24.94	1.16	20	
Selenium	22.9	0.50	25	0	91.6	80	120	21.89	4.49	20	
Silver	24.46	0.50	25	0.1795	97.1	80	120	23.5	3.96	20	
Thallium	23.15	0.50	25	0.4405	90.8	80	120	22.05	4.87	20	
Zinc	24.18	2.5	25	0	96.7	80	120	23.54	2.66	20	

Sample ID: **0206134-011BMS** SampType: **MS** TestCode: **M_ICPMS_S** Units: **mg/Kg-dry** Prep Date: **6/22/2002** Run ID: **ICPMS_020628A**
Client ID: **HAS SP12 001** Batch ID: **3062** TestNo: **SW6020** Analysis Date: **6/28/2002** SeqNo: **74479**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	5.905	1.2	29.23	0.8879	17.2	75	125	0	0		S
Arsenic	38.07	0.58	29.23	7.663	104	75	125	0	0		
Beryllium	26.6	0.58	29.23	0.6493	88.8	75	125	0	0		
Cadmium	28.18	0.58	29.23	0.6209	94.3	75	125	0	0		
Chromium	42.82	1.2	29.23	15.35	94	75	125	0	0		
Copper	58.93	1.2	29.23	41.23	60.6	75	125	0	0		S
Lead	147	0.58	29.23	88.38	200	75	125	0	0		S
Nickel	52.75	1.2	29.23	26.63	89.4	75	125	0	0		
Selenium	27.14	1.2	29.23	0	92.8	75	125	0	0		
Silver	27.13	1.2	29.23	0.523	91	75	125	0	0		
Thallium	26.97	1.2	29.23	1.484	87.2	75	125	0	0		
Zinc	174.1	5.8	29.23	117.2	195	75	125	0	0		S

Qualifiers: ND - Not Detected at the Reporting Limit
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B - Analyte detected in the associated Method Blank

CLIENT: Burns & McDonnell
Work Order: 0206134
Project: 26168, Hawthorne Parcel 1

ANALYTICAL QC SUMMARY REPORT

BatchID: 3062

Sample ID: **0206134-011BMSD** SampType: **MSD** TestCode: **M_ICPMS_S** Units: **mg/Kg-dry** Prep Date: **6/22/2002** Run ID: **ICPMS_020628A**
Client ID: **HAS SP12 001** Batch ID: **3062** TestNo: **SW6020** Analysis Date: **6/28/2002** SeqNo: **74480**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	6.461	1.2	29.15	0.8879	19.1	75	125	5.905	8.98	20	S
Arsenic	37.07	0.58	29.15	7.663	101	75	125	38.07	2.66	20	
Beryllium	25.05	0.58	29.15	0.6493	83.7	75	125	26.6	6.01	20	
Cadmium	27.17	0.58	29.15	0.6209	91.1	75	125	28.18	3.65	20	
Chromium	41.64	1.2	29.15	15.35	90.2	75	125	42.82	2.80	20	
Copper	56.31	1.2	29.15	41.23	51.7	75	125	58.93	4.56	20	S
Lead	146.8	0.58	29.15	88.38	200	75	125	147	0.112	20	S
Nickel	47.2	1.2	29.15	26.63	70.5	75	125	52.75	11.1	20	S
Selenium	26.44	1.2	29.15	0	90.7	75	125	27.14	2.62	20	
Silver	26.13	1.2	29.15	0.523	87.8	75	125	27.13	3.73	20	
Thallium	25.71	1.2	29.15	1.484	83.1	75	125	26.97	4.77	20	
Zinc	151.5	5.8	29.15	117.2	118	75	125	174.1	13.9	20	

Sample ID: **0206134-011BPDS** SampType: **PDS** TestCode: **M_ICPMS_S** Units: **mg/Kg-dry** Prep Date: **6/22/2002** Run ID: **ICPMS_020628A**
Client ID: **HAS SP12 001** Batch ID: **3062** TestNo: **SW6020** Analysis Date: **6/28/2002** SeqNo: **74481**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	27.26	1.2	28.96	0.8879	91.1	75	125	0	0		
Copper	65.04	1.2	28.96	41.23	82.2	75	125	0	0		
Lead	116.5	0.58	28.96	88.38	97.2	75	125	0	0		
Zinc	137	5.8	28.96	117.2	68.6	75	125	0	0		S

Qualifiers:
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CLIENT: Burns & McDonnell
Work Order: 0206134
Project: 26168, Hawthorne Parcel 1

ANALYTICAL QC SUMMARY REPORT

BatchID: 3084

Sample ID: **HGMBS1 06/24/02** SampType: **MBLK** TestCode: **M_HG_SOLI** Units: **mg/Kg** Prep Date: **6/24/2002** Run ID: **CETAC_020624B**
Client ID: **ZZZZZ** Batch ID: **3084** TestNo: **SW7471A** Analysis Date: **6/24/2002** SeqNo: **72202**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.025									

Sample ID: **HGLCSS1 06/24/02** SampType: **LCS** TestCode: **M_HG_SOLI** Units: **mg/Kg** Prep Date: **6/24/2002** Run ID: **CETAC_020624B**
Client ID: **ZZZZZ** Batch ID: **3084** TestNo: **SW7471A** Analysis Date: **6/24/2002** SeqNo: **72203**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.241	0.025	0.25	0	96.4	80	120	0	0		

Sample ID: **HGLCSDS1 06/24/02** SampType: **LCSD** TestCode: **M_HG_SOLI** Units: **mg/Kg** Prep Date: **6/24/2002** Run ID: **CETAC_020624B**
Client ID: **ZZZZZ** Batch ID: **3084** TestNo: **SW7471A** Analysis Date: **6/24/2002** SeqNo: **72204**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.246	0.025	0.25	0	98.4	80	120	0.241	2.05	20	

Sample ID: **0206134-001BMS** SampType: **MS** TestCode: **M_HG_SOLI** Units: **mg/Kg-dry** Prep Date: **6/24/2002** Run ID: **CETAC_020624B**
Client ID: **HAS SP07 003** Batch ID: **3084** TestNo: **SW7471A** Analysis Date: **6/24/2002** SeqNo: **72207**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.309	0.029	0.2926	0.02122	96.7	75	125	0	0		

Sample ID: **0206134-011BMS** SampType: **MS** TestCode: **M_HG_SOLI** Units: **mg/Kg-dry** Prep Date: **6/24/2002** Run ID: **CETAC_020624B**
Client ID: **HAS SP12 001** Batch ID: **3084** TestNo: **SW7471A** Analysis Date: **6/24/2002** SeqNo: **72238**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	1.45	0.089	0.2991	0.5036	281	75	125	0	0		S

Sample ID: **0206134-001BMSD** SampType: **MSD** TestCode: **M_HG_SOLI** Units: **mg/Kg-dry** Prep Date: **6/24/2002** Run ID: **CETAC_020624B**
Client ID: **HAS SP07 003** Batch ID: **3084** TestNo: **SW7471A** Analysis Date: **6/24/2002** SeqNo: **72208**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

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CLIENT: Burns & McDonnell
Work Order: 0206134
Project: 26168, Hawthorne Parcel 1

ANALYTICAL QC SUMMARY REPORT

BatchID: 3084

Sample ID: **0206134-001BMSD** SampType: **MSD** TestCode: **M_HG_SOLI** Units: **mg/Kg-dry** Prep Date: **6/24/2002** Run ID: **CETAC_020624B**
Client ID: **HAS SP07 003** Batch ID: **3084** TestNo: **SW7471A** Analysis Date: **6/24/2002** SeqNo: **72208**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.2991	0.029	0.2898	0.02122	94.3	75	125	0.253	3.25	20	

Sample ID: **0206134-011BMSD** SampType: **MSD** TestCode: **M_HG_SOLI** Units: **mg/Kg-dry** Prep Date: **6/24/2002** Run ID: **CETAC_020624B**
Client ID: **HAS SP12 001** Batch ID: **3084** TestNo: **SW7471A** Analysis Date: **6/24/2002** SeqNo: **72239**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.8449	0.087	0.2886	0.5036	81.9	75	125	1.2	52.7	20	R

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CLIENT: Burns & McDonnell
Work Order: 0206134
Project: 26168, Hawthorne Parcel 1

ANALYTICAL QC SUMMARY REPORT

BatchID: 3135

Sample ID: **HGMBS1 06/25/02** SampType: **MBLK** TestCode: **M_HG_SOLI** Units: **mg/Kg** Prep Date: **6/25/2002** Run ID: **CETAC_020626A**
Client ID: **ZZZZZ** Batch ID: **3135** TestNo: **SW7471A** Analysis Date: **6/26/2002** SeqNo: **73511**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.025	0	0	0	0	0	0	0		

Sample ID: **HGLCSS1 06/25/02** SampType: **LCS** TestCode: **M_HG_SOLI** Units: **mg/Kg** Prep Date: **6/25/2002** Run ID: **CETAC_020626A**
Client ID: **ZZZZZ** Batch ID: **3135** TestNo: **SW7471A** Analysis Date: **6/26/2002** SeqNo: **73512**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.233	0.025	0.25	0	93.2	80	120	0	0		

Sample ID: **HGLCSDS1 06/25/02** SampType: **LCSD** TestCode: **M_HG_SOLI** Units: **mg/Kg** Prep Date: **6/25/2002** Run ID: **CETAC_020626A**
Client ID: **ZZZZZ** Batch ID: **3135** TestNo: **SW7471A** Analysis Date: **6/26/2002** SeqNo: **73513**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.234	0.025	0.25	0	93.6	80	120	0.233	0.428	20	

Sample ID: **0206148-023BMS** SampType: **MS** TestCode: **M_HG_SOLI** Units: **mg/Kg-dry** Prep Date: **6/25/2002** Run ID: **CETAC_020626A**
Client ID: **ZZZZZ** Batch ID: **3135** TestNo: **SW7471A** Analysis Date: **6/26/2002** SeqNo: **73531**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.4185	0.029	0.2898	0.1606	89	75	125	0	0		

Sample ID: **0206134-011BMS** SampType: **MS** TestCode: **M_HG_SOLI** Units: **mg/Kg-dry** Prep Date: **6/25/2002** Run ID: **CETAC_020626A**
Client ID: **HAS SP12 001** Batch ID: **3135** TestNo: **SW7471A** Analysis Date: **6/26/2002** SeqNo: **73543**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.8797	0.29	0.2932	0.6245	87	75	125	0	0		

Sample ID: **0206148-023BMSD** SampType: **MSD** TestCode: **M_HG_SOLI** Units: **mg/Kg-dry** Prep Date: **6/25/2002** Run ID: **CETAC_020626A**
Client ID: **ZZZZZ** Batch ID: **3135** TestNo: **SW7471A** Analysis Date: **6/26/2002** SeqNo: **73532**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers: ND - Not Detected at the Reporting Limit; S - Spike Recovery outside accepted recovery limits; B - Analyte detected in the associated Method Blank; J - Analyte detected below quantitation limits; R - RPD outside accepted recovery limits

CLIENT: Burns & McDonnell
Work Order: 0206134
Project: 26168, Hawthorne Parcel 1

ANALYTICAL QC SUMMARY REPORT

BatchID: 3135

Sample ID: **0206148-023BMSD** SampType: **MSD** TestCode: **M_HG_SOLI** Units: **mg/Kg-dry** Prep Date: **6/25/2002** Run ID: **CETAC_020626A**
Client ID: **ZZZZZ** Batch ID: **3135** TestNo: **SW7471A** Analysis Date: **6/26/2002** SeqNo: **73532**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.4183	0.029	0.2946	0.1606	87.5	75	125	0.4185	0.0393	20	

Sample ID: **0206134-011BMSD** SampType: **MSD** TestCode: **M_HG_SOLI** Units: **mg/Kg-dry** Prep Date: **6/25/2002** Run ID: **CETAC_020626A**
Client ID: **HAS SP12 001** Batch ID: **3135** TestNo: **SW7471A** Analysis Date: **6/26/2002** SeqNo: **73544**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.9562	0.28	0.278	0.6245	119	75	125	0.8797	8.33	20	

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CLIENT: Burns & McDonnell
Work Order: 0206134
Project: 26168, Hawthorne Parcel 1

ANALYTICAL QC SUMMARY REPORT

BatchID: 3147

Sample ID: MB-3147-SVOC	SampType: MBLK	TestCode: SVOC_SOIL-	Units: mg/Kg	Prep Date: 6/27/2002	Run ID: SVOC-2_020629A
Client ID: ZZZZZ	Batch ID: 3147	TestNo: SW8270C		Analysis Date: 6/29/2002	SeqNo: 74717

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bis(2-chloroethoxy)methane	ND	0.33									
Bis(2-chloroethyl)ether	ND	0.33									
Bis(2-ethylhexyl)phthalate	ND	0.33									
4-Bromophenyl phenyl ether	ND	0.33									
Butyl benzyl phthalate	ND	0.33									
Carbazole	ND	0.33									
4-Chloro-3-methylphenol	ND	0.33									
4-Chloroaniline	ND	0.33									
2-Chloronaphthalene	ND	0.33									
2-Chlorophenol	ND	0.33									
4-Chlorophenyl phenyl ether	ND	0.33									
Dibenzofuran	ND	0.33									
1,2-Dichlorobenzene	ND	0.33									
1,3-Dichlorobenzene	ND	0.33									
1,4-Dichlorobenzene	ND	0.33									
3,3'-Dichlorobenzidine	ND	0.66									
2,4-Dichlorophenol	ND	0.33									
Diethyl phthalate	ND	0.33									
Dimethyl phthalate	ND	0.33									
Di-n-butyl phthalate	ND	0.33									
2,4-Dimethylphenol	ND	0.33									
4,6-Dinitro-2-methylphenol	ND	1.6									
2,4-Dinitrophenol	ND	1.6									
2,4-Dinitrotoluene	ND	0.25									
2,6-Dinitrotoluene	ND	0.25									
Di-n-octyl phthalate	ND	0.33									
Hexachlorobenzene	ND	0.33									
Hexachlorobutadiene	ND	0.33									
Hexachlorocyclopentadiene	ND	0.33									
Hexachloroethane	ND	0.33									
Isophorone	ND	0.33									

Qualifiers: ND - Not Detected at the Reporting Limit
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CLIENT: Burns & McDonnell
Work Order: 0206134
Project: 26168, Hawthorne Parcel 1

ANALYTICAL QC SUMMARY REPORT

BatchID: 3147

Sample ID: **MB-3147-SVOC** SampType: **MBLK** TestCode: **SVOC_SOIL-** Units: **mg/Kg** Prep Date: **6/27/2002** Run ID: **SVOC-2_020629A**
Client ID: **ZZZZZ** Batch ID: **3147** TestNo: **SW8270C** Analysis Date: **6/29/2002** SeqNo: **74717**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Methylnaphthalene	ND	0.33									
2-Methylphenol	ND	0.33									
4-Methylphenol	ND	0.33									
2-Nitroaniline	ND	1.6									
3-Nitroaniline	ND	1.6									
4-Nitroaniline	ND	1.6									
Nitrobenzene	ND	0.33									
2-Nitrophenol	ND	1.6									
4-Nitrophenol	ND	1.6									
N-Nitrosodi-n-propylamine	ND	0.33									
N-Nitrosodiphenylamine	ND	0.33									
2, 2'-oxybis(1-Chloropropane)	ND	0.33									
Pentachlorophenol	ND	1.6									
Phenol	ND	0.33									
1,2,4-Trichlorobenzene	ND	0.33									
2,4,5-Trichlorophenol	ND	0.66									
2,4,6-Trichlorophenol	ND	0.33									

Sample ID: **LCS-3147-SVOC** SampType: **LCS** TestCode: **SVOC_SOIL-** Units: **mg/Kg** Prep Date: **6/27/2002** Run ID: **SVOC-2_020629A**
Client ID: **ZZZZZ** Batch ID: **3147** TestNo: **SW8270C** Analysis Date: **6/29/2002** SeqNo: **74718**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Chloro-3-methylphenol	2.927	0.33	3.333	0	87.8	26	103	0	0		
2-Chlorophenol	2.543	0.33	3.333	0	76.3	25	102	0	0		
1,4-Dichlorobenzene	1.109	0.33	1.667	0	66.5	28	104	0	0		
2,4-Dinitrotoluene	1.425	0.25	1.667	0	85.5	28	89	0	0		
4-Nitrophenol	2.592	1.6	3.333	0	77.8	11	114	0	0		
N-Nitrosodi-n-propylamine	1.295	0.33	1.667	0	77.7	41	126	0	0		
Pentachlorophenol	2.869	1.6	3.333	0	86.1	17	109	0	0		
Phenol	2.439	0.33	3.333	0	73.2	26	90	0	0		
1,2,4-Trichlorobenzene	1.154	0.33	1.667	0	69.2	38	107	0	0		

Qualifiers:
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R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Burns & McDonnell
Work Order: 0206134
Project: 26168, Hawthorne Parcel 1

ANALYTICAL QC SUMMARY REPORT

BatchID: 3147

Sample ID: **0206134-001BMS** SampType: **MS** TestCode: **SVOC_SOIL-** Units: **mg/Kg-dry** Prep Date: **6/27/2002** Run ID: **SVOC-2_020629A**
Client ID: **HAS SP07 003** Batch ID: **3147** TestNo: **SW8270C** Analysis Date: **6/29/2002** SeqNo: **74720**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Chloro-3-methylphenol	3.692	0.39	3.961	0	93.2	26	103	0	0		
2-Chlorophenol	2.941	0.39	3.961	0	74.2	25	102	0	0		
1,4-Dichlorobenzene	1.236	0.39	1.981	0	62.4	28	104	0	0		
2,4-Dinitrotoluene	1.644	0.30	1.981	0	83	28	89	0	0		
4-Nitrophenol	3.149	1.9	3.961	0	79.5	11	114	0	0		
N-Nitrosodi-n-propylamine	1.512	0.39	1.981	0	76.3	41	126	0	0		
Pentachlorophenol	3.106	1.9	3.961	0	78.4	17	109	0	0		
Phenol	2.857	0.39	3.961	0	72.1	26	90	0	0		
1,2,4-Trichlorobenzene	1.358	0.39	1.981	0	68.5	38	107	0	0		

Sample ID: **0206134-011BMS** SampType: **MS** TestCode: **SVOC_SOIL-** Units: **mg/Kg-dry** Prep Date: **6/27/2002** Run ID: **SVOC-2_020629A**
Client ID: **HAS SP12 001** Batch ID: **3147** TestNo: **SW8270C** Analysis Date: **6/30/2002** SeqNo: **74736**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Chloro-3-methylphenol	3.776	0.39	3.943	0	95.8	26	103	0	0		
2-Chlorophenol	3.235	0.39	3.943	0	82	25	102	0	0		
1,4-Dichlorobenzene	1.358	0.39	1.972	0	68.8	28	104	0	0		
2,4-Dinitrotoluene	1.551	0.30	1.972	0	78.7	28	89	0	0		
4-Nitrophenol	3.106	1.9	3.943	0	78.8	11	114	0	0		
N-Nitrosodi-n-propylamine	1.658	0.39	1.972	0	84.1	41	126	0	0		
Pentachlorophenol	2.91	1.9	3.943	0	73.8	17	109	0	0		
Phenol	3.077	0.39	3.943	0	78	26	90	0	0		
1,2,4-Trichlorobenzene	1.522	0.39	1.972	0	77.2	38	107	0	0		

Sample ID: **0206134-001BMSD** SampType: **MSD** TestCode: **SVOC_SOIL-** Units: **mg/Kg-dry** Prep Date: **6/27/2002** Run ID: **SVOC-2_020629A**
Client ID: **HAS SP07 003** Batch ID: **3147** TestNo: **SW8270C** Analysis Date: **6/29/2002** SeqNo: **74721**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Chloro-3-methylphenol	4.011	0.40	4.064	0	98.7	26	103	3.692	8.30	33	
2-Chlorophenol	3.321	0.40	4.064	0	81.7	25	102	2.941	12.1	50	
1,4-Dichlorobenzene	1.435	0.40	2.033	0	70.6	28	104	1.236	14.9	27	

Qualifiers: ND - Not Detected at the Reporting Limit; S - Spike Recovery outside accepted recovery limits; B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits; R - RPD outside accepted recovery limits

CLIENT: Burns & McDonnell
Work Order: 0206134
Project: 26168, Hawthorne Parcel 1

ANALYTICAL QC SUMMARY REPORT

BatchID: 3147

Sample ID: **0206134-001BMSD** SampType: **MSD** TestCode: **SVOC_SOIL-** Units: **mg/Kg-dry** Prep Date: **6/27/2002** Run ID: **SVOC-2_020629A**
Client ID: **HAS SP07 003** Batch ID: **3147** TestNo: **SW8270C** Analysis Date: **6/29/2002** SeqNo: **74721**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4-Dinitrotoluene	1.792	0.30	2.033	0	88.2	28	89	1.644	8.64	47	
4-Nitrophenol	3.259	2.0	4.064	0	80.2	11	114	3.149	3.43	50	
N-Nitrosodi-n-propylamine	1.647	0.40	2.033	0	81	41	126	1.512	8.58	38	
Pentachlorophenol	3.307	2.0	4.064	0	81.4	17	109	3.106	6.25	47	
Phenol	3.181	0.40	4.064	0	78.3	26	90	2.857	10.7	35	
1,2,4-Trichlorobenzene	1.513	0.40	2.033	0	74.4	38	107	1.358	10.8	23	

Sample ID: **0206134-011BMSD** SampType: **MSD** TestCode: **SVOC_SOIL-** Units: **mg/Kg-dry** Prep Date: **6/27/2002** Run ID: **SVOC-2_020629A**
Client ID: **HAS SP12 001** Batch ID: **3147** TestNo: **SW8270C** Analysis Date: **6/30/2002** SeqNo: **74737**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Chloro-3-methylphenol	3.683	0.39	3.941	0	93.4	26	103	3.776	2.50	33	
2-Chlorophenol	3.287	0.39	3.941	0	83.4	25	102	3.235	1.59	50	
1,4-Dichlorobenzene	1.388	0.39	1.971	0	70.4	28	104	1.358	2.21	27	
2,4-Dinitrotoluene	1.457	0.30	1.971	0	73.9	28	89	1.551	6.30	47	
4-Nitrophenol	2.773	1.9	3.941	0	70.3	11	114	3.106	11.3	50	
N-Nitrosodi-n-propylamine	1.694	0.39	1.971	0	85.9	41	126	1.658	2.15	38	
Pentachlorophenol	2.558	1.9	3.941	0	64.9	17	109	2.91	12.9	47	
Phenol	3.124	0.39	3.941	0	79.3	26	90	3.077	1.52	35	
1,2,4-Trichlorobenzene	1.534	0.39	1.971	0	77.8	38	107	1.522	0.819	23	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Burns & McDonnell
Work Order: 0206134
Project: 26168, Hawthorne Parcel 1

ANALYTICAL QC SUMMARY REPORT

BatchID: 3148

Sample ID: **MB-3148-PNA** SampType: **MBLK** TestCode: **PNA_SOIL** Units: **mg/Kg** Prep Date: **6/27/2002** Run ID: **SVOC-3_020628A**
Client ID: **ZZZZZ** Batch ID: **3148** TestNo: **SW8270(SIM)** Analysis Date: **6/28/2002** SeqNo: **75781**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	0.025									
Acenaphthylene	ND	0.025									
Anthracene	ND	0.025									
Benz(a)anthracene	ND	0.025									
Benzo(a)pyrene	ND	0.025									
Benzo(b)fluoranthene	ND	0.025									
Benzo(g,h,i)perylene	ND	0.025									
Benzo(k)fluoranthene	ND	0.025									
Chrysene	ND	0.025									
Dibenz(a,h)anthracene	ND	0.025									
Fluoranthene	ND	0.025									
Fluorene	ND	0.025									
Indeno(1,2,3-cd)pyrene	ND	0.025									
Naphthalene	ND	0.025									
Phenanthrene	ND	0.025									
Pyrene	ND	0.025									

Sample ID: **LCS-3148-PNA** SampType: **LCS** TestCode: **PNA_SOIL** Units: **mg/Kg** Prep Date: **6/27/2002** Run ID: **SVOC-3_020628A**
Client ID: **ZZZZZ** Batch ID: **3148** TestNo: **SW8270(SIM)** Analysis Date: **6/28/2002** SeqNo: **75782**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.1727	0.025	0.167	0	103	30	130	0	0		
Acenaphthylene	0.186	0.025	0.167	0	111	30	130	0	0		
Anthracene	0.198	0.025	0.167	0	119	30	130	0	0		
Benz(a)anthracene	0.1693	0.025	0.167	0	101	30	130	0	0		
Benzo(a)pyrene	0.1817	0.025	0.167	0	109	30	130	0	0		
Benzo(b)fluoranthene	0.1837	0.025	0.167	0	110	30	130	0	0		
Benzo(g,h,i)perylene	0.1453	0.025	0.167	0	87	30	130	0	0		
Benzo(k)fluoranthene	0.1753	0.025	0.167	0	105	30	130	0	0		
Chrysene	0.169	0.025	0.167	0	101	30	130	0	0		
Dibenz(a,h)anthracene	0.156	0.025	0.167	0	93.4	30	130	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Burns & McDonnell
Work Order: 0206134
Project: 26168, Hawthorne Parcel 1

ANALYTICAL QC SUMMARY REPORT

BatchID: 3148

Sample ID: **LCS-3148-PNA** SampType: **LCS** TestCode: **PNA_SOIL** Units: **mg/Kg** Prep Date: **6/27/2002** Run ID: **SVOC-3_020628A**
Client ID: **ZZZZZ** Batch ID: **3148** TestNo: **SW8270(SIM)** Analysis Date: **6/28/2002** SeqNo: **75782**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Fluoranthene	0.1837	0.025	0.167	0	110	30	130	0	0		
Fluorene	0.1747	0.025	0.167	0	105	30	130	0	0		
Indeno(1,2,3-cd)pyrene	0.1467	0.025	0.167	0	87.8	30	130	0	0		
Naphthalene	0.155	0.025	0.167	0	92.8	30	130	0	0		
Phenanthrene	0.1673	0.025	0.167	0	100	30	130	0	0		
Pyrene	0.1813	0.025	0.167	0	109	30	130	0	0		

Sample ID: **0206134-001BMS** SampType: **MS** TestCode: **PNA_SOIL-B** Units: **mg/Kg-dry** Prep Date: **6/27/2002** Run ID: **SVOC-3_020628A**
Client ID: **HAS SP07 003** Batch ID: **3148** TestNo: **SW8270(SIM)** Analysis Date: **6/28/2002** SeqNo: **75792**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.213	0.030	0.2006	0	106	30	130	0	0		
Acenaphthylene	0.2258	0.030	0.2006	0	113	30	130	0	0		
Anthracene	0.259	0.030	0.2006	0	129	30	130	0	0		
Benz(a)anthracene	0.2066	0.030	0.2006	0	103	30	130	0	0		
Benzo(b)fluoranthene	0.2278	0.030	0.2006	0	114	30	130	0	0		
Benzo(k)fluoranthene	0.2018	0.030	0.2006	0	101	30	130	0	0		
Benzo(g,h,i)perylene	0.1649	0.030	0.2006	0	82.2	30	130	0	0		
Benzo(a)pyrene	0.2238	0.030	0.2006	0	112	30	130	0	0		
Chrysene	0.2102	0.030	0.2006	0	105	30	130	0	0		
Dibenz(a,h)anthracene	0.183	0.030	0.2006	0	91.2	30	130	0	0		
Fluoranthene	0.2338	0.030	0.2006	0	117	30	130	0	0		
Fluorene	0.2146	0.030	0.2006	0	107	30	130	0	0		
Indeno(1,2,3-cd)pyrene	0.1705	0.030	0.2006	0	85	30	130	0	0		
Naphthalene	0.195	0.030	0.2006	0.006891	93.8	30	130	0	0		
Phenanthrene	0.2294	0.030	0.2006	0	114	30	130	0	0		
Pyrene	0.2362	0.030	0.2006	0	118	30	130	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Burns & McDonnell
Work Order: 0206134
Project: 26168, Hawthorne Parcel 1

ANALYTICAL QC SUMMARY REPORT

BatchID: 3148

Sample ID: **0206134-001BMSD** SampType: **MSD** TestCode: **PNA_SOIL-B** Units: **mg/Kg-dry** Prep Date: **6/27/2002** Run ID: **SVOC-3_020628A**
Client ID: **HAS SP07 003** Batch ID: **3148** TestNo: **SW8270(SIM)** Analysis Date: **6/28/2002** SeqNo: **75793**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	0.2087	0.030	0.1984	0	105	30	130	0.213	2.02	50	
Acenaphthylene	0.2198	0.030	0.1984	0	111	30	130	0.2258	2.68	50	
Anthracene	0.2551	0.030	0.1984	0	129	30	130	0.259	1.54	50	
Benz(a)anthracene	0.2103	0.030	0.1984	0	106	30	130	0.2066	1.79	50	
Benzo(b)fluoranthene	0.2293	0.030	0.1984	0	116	30	130	0.2278	0.666	50	
Benzo(k)fluoranthene	0.2024	0.030	0.1984	0	102	30	130	0.2018	0.303	50	
Benzo(g,h,i)perylene	0.1576	0.030	0.1984	0	79.4	30	130	0.1649	4.53	50	
Benzo(a)pyrene	0.2257	0.030	0.1984	0	114	30	130	0.2238	0.873	50	
Chrysene	0.2162	0.030	0.1984	0	109	30	130	0.2102	2.85	50	
Dibenz(a,h)anthracene	0.1794	0.030	0.1984	0	90.4	30	130	0.183	1.96	50	
Fluoranthene	0.2396	0.030	0.1984	0	121	30	130	0.2338	2.46	50	
Fluorene	0.2111	0.030	0.1984	0	106	30	130	0.2146	1.64	50	
Indeno(1,2,3-cd)pyrene	0.1659	0.030	0.1984	0	83.6	30	130	0.1705	2.73	50	
Naphthalene	0.1913	0.030	0.1984	0.006891	92.9	30	130	0.195	1.90	50	
Phenanthrene	0.2392	0.030	0.1984	0	121	30	130	0.2294	4.19	50	
Pyrene	0.2412	0.030	0.1984	0	122	30	130	0.2362	2.09	50	

Qualifiers:
ND - Not Detected at the Reporting Limit
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B - Analyte detected in the associated Method Blank

CLIENT: Burns & McDonnell
Work Order: 0206134
Project: 26168, Hawthorne Parcel 1

ANALYTICAL QC SUMMARY REPORT

BatchID: 2991

Sample ID: **0206134-001AMS** SampType: **MS** TestCode: **VOC_ENCOR** Units: **mg/Kg-dry** Prep Date: **6/19/2002** Run ID: **VOA-2_020626B**
Client ID: **HAS SP07 003** Batch ID: **2991** TestNo: **SW5035/8260** Analysis Date: **6/27/2002** SeqNo: **73585**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acetone	0.1118	0.030	0.06031	0.02873	138	70	130	0	0		S
Benzene	0.04176	0.0060	0.06031	0	69.2	37	151	0	0		
Bromodichloromethane	0.03349	0.0060	0.06031	0	55.5	70	130	0	0		S
Bromoform	0.01723	0.0060	0.06031	0	28.6	70	130	0	0		S
Bromomethane	0.04639	0.012	0.06031	0	76.9	70	130	0	0		
2-Butanone	0.06524	0.012	0.06031	0	108	70	130	0	0		
Carbon disulfide	0.05121	0.0060	0.06031	0.0009222	83.4	70	130	0	0		
Carbon tetrachloride	0.04419	0.0060	0.06031	0	73.3	70	130	0	0		
Chlorobenzene	0.02625	0.0060	0.06031	0	43.5	37	160	0	0		
Chloroethane	0.05797	0.012	0.06031	0	96.1	70	130	0	0		
Chloroform	0.04238	0.0060	0.06031	0	70.3	70	130	0	0		
Chloromethane	0.05427	0.0060	0.06031	0	90	70	130	0	0		
Dibromochloromethane	0.02311	0.0060	0.06031	0	38.3	70	130	0	0		S
1,1-Dichloroethane	0.04537	0.0060	0.06031	0	75.2	70	130	0	0		
1,2-Dichloroethane	0.03946	0.0060	0.06031	0	65.4	70	130	0	0		S
1,1-Dichloroethene	0.05194	0.0060	0.06031	0	86.1	0	234	0	0		
cis-1,2-Dichloroethene	0.04391	0.0060	0.06031	0	72.8	70	130	0	0		
trans-1,2-Dichloroethene	0.04934	0.0060	0.06031	0	81.8	70	130	0	0		
1,2-Dichloropropane	0.03708	0.0060	0.06031	0	61.5	70	130	0	0		S
cis-1,3-Dichloropropene	0.02958	0.0060	0.06031	0	49	70	130	0	0		S
trans-1,3-Dichloropropene	0.02707	0.0060	0.06031	0	44.9	70	130	0	0		S
Ethylbenzene	0.03285	0.0060	0.06031	0	54.5	70	130	0	0		S
2-Hexanone	0.03296	0.012	0.06031	0	54.6	70	130	0	0		S
4-Methyl-2-pentanone	0.03726	0.012	0.06031	0	61.8	70	130	0	0		S
Methylene chloride	0.05275	0.012	0.06031	0	87.5	70	130	0	0		
Styrene	0.02201	0.0060	0.06031	0	36.5	70	130	0	0		S
1,1,2,2-Tetrachloroethane	0.01703	0.0060	0.06031	0	28.2	70	130	0	0		S
Tetrachloroethene	0.03388	0.0060	0.06031	0	56.2	70	130	0	0		S
Toluene	0.03408	0.0060	0.06031	0	56.5	47	150	0	0		
1,1,1-Trichloroethane	0.0473	0.0060	0.06031	0	78.4	70	130	0	0		
1,1,2-Trichloroethane	0.0266	0.0060	0.06031	0	44.1	70	130	0	0		S

Qualifiers: ND - Not Detected at the Reporting Limit
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B - Analyte detected in the associated Method Blank

CLIENT: Burns & McDonnell
Work Order: 0206134
Project: 26168, Hawthorne Parcel 1

ANALYTICAL QC SUMMARY REPORT

BatchID: 2991

Sample ID: **0206134-001AMS** SampType: **MS** TestCode: **VOC_ENCOR** Units: **mg/Kg-dry** Prep Date: **6/19/2002** Run ID: **VOA-2_020626B**
Client ID: **HAS SP07 003** Batch ID: **2991** TestNo: **SW5035/8260** Analysis Date: **6/27/2002** SeqNo: **73585**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Trichloroethene	0.03697	0.0060	0.06031	0	61.3	71	157	0	0		S
Vinyl chloride	0.04718	0.0060	0.06031	0	78.2	70	130	0	0		
m,p-Xylene	0.06456	0.0060	0.1206	0	53.5	70	130	0	0		S
o-Xylene	0.0307	0.0060	0.06031	0	50.9	70	130	0	0		S

Sample ID: **0206134-011AMS** SampType: **MS** TestCode: **VOC_ENCOR** Units: **mg/Kg-dry** Prep Date: **6/19/2002** Run ID: **VOA-2_020627A**
Client ID: **HAS SP12 001** Batch ID: **2991** TestNo: **SW5035/8260** Analysis Date: **6/27/2002** SeqNo: **73713**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acetone	0.1129	0.028	0.0551	0	205	70	130	0	0		S
Benzene	0.04075	0.0055	0.0551	0	74	37	151	0	0		
Bromodichloromethane	0.03852	0.0055	0.0551	0	69.9	70	130	0	0		S
Bromoform	0.03225	0.0055	0.0551	0	58.5	70	130	0	0		S
Bromomethane	0.04056	0.011	0.0551	0	73.6	70	130	0	0		
2-Butanone	0.05288	0.011	0.0551	0	96	70	130	0	0		
Carbon disulfide	0.04277	0.0055	0.0551	0	77.6	70	130	0	0		
Carbon tetrachloride	0.04551	0.0055	0.0551	0	82.6	70	130	0	0		
Chlorobenzene	0.03657	0.0055	0.0551	0	66.4	37	160	0	0		
Chloroethane	0.05144	0.011	0.0551	0	93.4	70	130	0	0		
Chloroform	0.04216	0.0055	0.0551	0	76.5	70	130	0	0		
Chloromethane	0.04803	0.0055	0.0551	0	87.2	70	130	0	0		
Dibromochloromethane	0.03191	0.0055	0.0551	0	57.9	70	130	0	0		S
1,1-Dichloroethane	0.04283	0.0055	0.0551	0	77.7	70	130	0	0		
1,2-Dichloroethane	0.04074	0.0055	0.0551	0	73.9	70	130	0	0		
1,1-Dichloroethene	0.04519	0.0055	0.0551	0	82	0	234	0	0		
cis-1,2-Dichloroethene	0.04198	0.0055	0.0551	0	76.2	70	130	0	0		
trans-1,2-Dichloroethene	0.04377	0.0055	0.0551	0	79.4	70	130	0	0		
1,2-Dichloropropane	0.04115	0.0055	0.0551	0	74.7	70	130	0	0		
cis-1,3-Dichloropropene	0.03414	0.0055	0.0551	0	62	70	130	0	0		S
trans-1,3-Dichloropropene	0.03229	0.0055	0.0551	0	58.6	70	130	0	0		S
Ethylbenzene	0.04162	0.0055	0.0551	0	75.5	70	130	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
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B - Analyte detected in the associated Method Blank

CLIENT: Burns & McDonnell
Work Order: 0206134
Project: 26168, Hawthorne Parcel 1

ANALYTICAL QC SUMMARY REPORT

BatchID: 2991

Sample ID: **0206134-011AMS** SampType: **MS** TestCode: **VOC_ENCOR** Units: **mg/Kg-dry** Prep Date: **6/19/2002** Run ID: **VOA-2_020627A**
Client ID: **HAS SP12 001** Batch ID: **2991** TestNo: **SW5035/8260** Analysis Date: **6/27/2002** SeqNo: **73713**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Hexanone	0.04338	0.011	0.0551	0	78.7	70	130	0	0		
4-Methyl-2-pentanone	0.0443	0.011	0.0551	0	80.4	70	130	0	0		
Methylene chloride	0.04606	0.011	0.0551	0	83.6	70	130	0	0		
Styrene	0.03184	0.0055	0.0551	0	57.8	70	130	0	0		S
1,1,2,2-Tetrachloroethane	0.03487	0.0055	0.0551	0	63.3	70	130	0	0		S
Tetrachloroethene	0.03414	0.0055	0.0551	0	62	70	130	0	0		S
Toluene	0.03587	0.0055	0.0551	0	65.1	47	150	0	0		
1,1,1-Trichloroethane	0.04707	0.0055	0.0551	0	85.4	70	130	0	0		
1,1,2-Trichloroethane	0.03331	0.0055	0.0551	0	60.5	70	130	0	0		S
Trichloroethene	0.03652	0.0055	0.0551	0	66.3	71	157	0	0		S
Vinyl chloride	0.0424	0.0055	0.0551	0	77	70	130	0	0		
m,p-Xylene	0.08333	0.0055	0.1102	0	75.6	70	130	0	0		
o-Xylene	0.04242	0.0055	0.0551	0	77	70	130	0	0		

Sample ID: **0206134-001AMSD** SampType: **MSD** TestCode: **VOC_ENCOR** Units: **mg/Kg-dry** Prep Date: **6/19/2002** Run ID: **VOA-2_020626B**
Client ID: **HAS SP07 003** Batch ID: **2991** TestNo: **SW5035/8260** Analysis Date: **6/27/2002** SeqNo: **73586**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acetone	0.1514	0.028	0.0559	0.02873	219	70	130	0.1118	30.1	25	SR
Benzene	0.04463	0.0056	0.0559	0	79.8	37	151	0.04176	6.64	25	
Bromodichloromethane	0.03544	0.0056	0.0559	0	63.4	70	130	0.03349	5.66	25	S
Bromoform	0.02055	0.0056	0.0559	0	36.8	70	130	0.01723	17.6	25	S
Bromomethane	0.05532	0.011	0.0559	0	99	70	130	0.04639	17.5	25	
2-Butanone	0.07887	0.011	0.0559	0	141	70	130	0.06524	18.9	25	S
Carbon disulfide	0.05793	0.0056	0.0559	0.0009222	102	70	130	0.05121	12.3	25	
Carbon tetrachloride	0.05146	0.0056	0.0559	0	92.1	70	130	0.04419	15.2	25	
Chlorobenzene	0.03074	0.0056	0.0559	0	55	37	160	0.02625	15.8	25	
Chloroethane	0.06965	0.011	0.0559	0	125	70	130	0.05797	18.3	25	
Chloroform	0.04757	0.0056	0.0559	0	85.1	70	130	0.04238	11.5	25	
Chloromethane	0.06426	0.0056	0.0559	0	115	70	130	0.05427	16.9	25	
Dibromochloromethane	0.02415	0.0056	0.0559	0	43.2	70	130	0.02311	4.38	25	S

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Burns & McDonnell
Work Order: 0206134
Project: 26168, Hawthorne Parcel 1

ANALYTICAL QC SUMMARY REPORT

BatchID: 2991

Sample ID: **0206134-001AMSD** SampType: **MSD** TestCode: **VOC_ENCOR** Units: **mg/Kg-dry** Prep Date: **6/19/2002** Run ID: **VOA-2_020626B**
Client ID: **HAS SP07 003** Batch ID: **2991** TestNo: **SW5035/8260** Analysis Date: **6/27/2002** SeqNo: **73586**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethane	0.0505	0.0056	0.0559	0	90.3	70	130	0.04537	10.7	25	
1,2-Dichloroethane	0.04467	0.0056	0.0559	0	79.9	70	130	0.03946	12.4	25	
1,1-Dichloroethene	0.06064	0.0056	0.0559	0	108	0	234	0.05194	15.4	25	
cis-1,2-Dichloroethene	0.0496	0.0056	0.0559	0	88.7	70	130	0.04391	12.2	25	
trans-1,2-Dichloroethene	0.05619	0.0056	0.0559	0	101	70	130	0.04934	13.0	25	
1,2-Dichloropropane	0.03846	0.0056	0.0559	0	68.8	70	130	0.03708	3.64	25	S
cis-1,3-Dichloropropene	0.03099	0.0056	0.0559	0	55.4	70	130	0.02958	4.66	25	S
trans-1,3-Dichloropropene	0.02908	0.0056	0.0559	0	52	70	130	0.02707	7.15	25	S
Ethylbenzene	0.03911	0.0056	0.0559	0	70	70	130	0.03285	17.4	25	S
2-Hexanone	0.03605	0.011	0.0559	0	64.5	70	130	0.03296	8.98	25	S
4-Methyl-2-pentanone	0.04174	0.011	0.0559	0	74.7	70	130	0.03726	11.3	25	
Methylene chloride	0.06168	0.011	0.0559	0	110	70	130	0.05275	15.6	25	
Styrene	0.024	0.0056	0.0559	0	42.9	70	130	0.02201	8.64	25	S
1,1,2,2-Tetrachloroethane	0.01926	0.0056	0.0559	0	34.5	70	130	0.01703	12.3	25	S
Tetrachloroethene	0.03565	0.0056	0.0559	0	63.8	70	130	0.03388	5.08	25	S
Toluene	0.03525	0.0056	0.0559	0	63.1	47	150	0.03408	3.38	25	
1,1,1-Trichloroethane	0.05337	0.0056	0.0559	0	95.5	70	130	0.0473	12.1	25	
1,1,2-Trichloroethane	0.0274	0.0056	0.0559	0	49	70	130	0.0266	2.97	25	S
Trichloroethene	0.03954	0.0056	0.0559	0	70.7	71	157	0.03697	6.71	25	S
Vinyl chloride	0.05523	0.0056	0.0559	0	98.8	70	130	0.04718	15.7	25	
m,p-Xylene	0.07546	0.0056	0.1118	0	67.5	70	130	0.06456	15.6	25	S
o-Xylene	0.03475	0.0056	0.0559	0	62.2	70	130	0.0307	12.4	25	S

Sample ID: **0206134-011AMSD** SampType: **MSD** TestCode: **VOC_ENCOR** Units: **mg/Kg-dry** Prep Date: **6/19/2002** Run ID: **VOA-2_020627A**
Client ID: **HAS SP12 001** Batch ID: **2991** TestNo: **SW5035/8260** Analysis Date: **6/27/2002** SeqNo: **73714**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acetone	0.1225	0.031	0.06164	0	199	70	130	0.1129	8.19	25	S
Benzene	0.0461	0.0062	0.06164	0	74.8	37	151	0.04075	12.3	25	
Bromodichloromethane	0.04109	0.0062	0.06164	0	66.7	70	130	0.03852	6.45	25	S
Bromoform	0.03218	0.0062	0.06164	0	52.2	70	130	0.03225	0.239	25	S

Qualifiers: ND - Not Detected at the Reporting Limit; S - Spike Recovery outside accepted recovery limits; B - Analyte detected in the associated Method Blank; J - Analyte detected below quantitation limits; R - RPD outside accepted recovery limits

CLIENT: Burns & McDonnell
Work Order: 0206134
Project: 26168, Hawthorne Parcel 1

ANALYTICAL QC SUMMARY REPORT

BatchID: 2991

Sample ID: **0206134-011AMSD** SampType: **MSD** TestCode: **VOC_ENCOR** Units: **mg/Kg-dry** Prep Date: **6/19/2002** Run ID: **VOA-2_020627A**
Client ID: **HAS SP12 001** Batch ID: **2991** TestNo: **SW5035/8260** Analysis Date: **6/27/2002** SeqNo: **73714**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromomethane	0.04936	0.012	0.06164	0	80.1	70	130	0.04056	19.6	25	
2-Butanone	0.05882	0.012	0.06164	0	95.4	70	130	0.05288	10.6	25	
Carbon disulfide	0.04963	0.0062	0.06164	0	80.5	70	130	0.04277	14.9	25	
Carbon tetrachloride	0.05193	0.0062	0.06164	0	84.2	70	130	0.04551	13.2	25	
Chlorobenzene	0.04063	0.0062	0.06164	0	65.9	37	160	0.03657	10.5	25	
Chloroethane	0.05913	0.012	0.06164	0	95.9	70	130	0.05144	13.9	25	
Chloroform	0.04796	0.0062	0.06164	0	77.8	70	130	0.04216	12.9	25	
Chloromethane	0.05847	0.0062	0.06164	0	94.9	70	130	0.04803	19.6	25	
Dibromochloromethane	0.03199	0.0062	0.06164	0	51.9	70	130	0.03191	0.249	25	S
1,1-Dichloroethane	0.04891	0.0062	0.06164	0	79.3	70	130	0.04283	13.2	25	
1,2-Dichloroethane	0.04418	0.0062	0.06164	0	71.7	70	130	0.04074	8.11	25	
1,1-Dichloroethene	0.05142	0.0062	0.06164	0	83.4	0	234	0.04519	12.9	25	
cis-1,2-Dichloroethene	0.04681	0.0062	0.06164	0	75.9	70	130	0.04198	10.9	25	
trans-1,2-Dichloroethene	0.0508	0.0062	0.06164	0	82.4	70	130	0.04377	14.9	25	
1,2-Dichloropropane	0.04468	0.0062	0.06164	0	72.5	70	130	0.04115	8.23	25	
cis-1,3-Dichloropropene	0.0361	0.0062	0.06164	0	58.6	70	130	0.03414	5.58	25	S
trans-1,3-Dichloropropene	0.03205	0.0062	0.06164	0	52	70	130	0.03229	0.726	25	S
Ethylbenzene	0.0493	0.0062	0.06164	0	80	70	130	0.04162	16.9	25	
2-Hexanone	0.04341	0.012	0.06164	0	70.4	70	130	0.04338	0.0561	25	
4-Methyl-2-pentanone	0.04605	0.012	0.06164	0	74.7	70	130	0.0443	3.87	25	
Methylene chloride	0.05219	0.012	0.06164	0	84.7	70	130	0.04606	12.5	25	
Styrene	0.03378	0.0062	0.06164	0	54.8	70	130	0.03184	5.93	25	S
1,1,2,2-Tetrachloroethane	0.03617	0.0062	0.06164	0	58.7	70	130	0.03487	3.68	25	S
Tetrachloroethene	0.03897	0.0062	0.06164	0	63.2	70	130	0.03414	13.2	25	S
Toluene	0.03928	0.0062	0.06164	0	63.7	47	150	0.03587	9.07	25	
1,1,1-Trichloroethane	0.05453	0.0062	0.06164	0	88.5	70	130	0.04707	14.7	25	
1,1,2-Trichloroethane	0.03468	0.0062	0.06164	0	56.3	70	130	0.03331	4.02	25	S
Trichloroethene	0.04185	0.0062	0.06164	0	67.9	71	157	0.03652	13.6	25	S
Vinyl chloride	0.05077	0.0062	0.06164	0	82.4	70	130	0.0424	18.0	25	
m,p-Xylene	0.09715	0.0062	0.1233	0	78.8	70	130	0.08333	15.3	25	
o-Xylene	0.0487	0.0062	0.06164	0	79	70	130	0.04242	13.8	25	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Burns & McDonnell
Work Order: 0206134
Project: 26168, Hawthorne Parcel 1

ANALYTICAL QC SUMMARY REPORT

BatchID: R3777

Sample ID: **VBLK062602A-2** SampType: **MBLK** TestCode: **VOC_5035+** Units: **mg/Kg** Prep Date: Run ID: **VOA-2_020626B**
Client ID: **ZZZZZ** Batch ID: **R3777** TestNo: **SW5035/8260** Analysis Date: **6/26/2002** SeqNo: **73574**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	ND	0.0050									
1,1,2,2-Tetrachloroethane	ND	0.0050									
1,1,2-Trichloroethane	ND	0.0050									
1,1-Dichloroethane	ND	0.0050									
1,1-Dichloroethene	ND	0.0050									
1,2-Dichloroethane	ND	0.0050									
1,2-Dichloropropane	ND	0.0050									
2-Butanone	ND	0.010									
2-Hexanone	ND	0.010									
4-Methyl-2-pentanone	ND	0.010									
Acetone	ND	0.025									
Benzene	ND	0.0050									
Bromodichloromethane	ND	0.0050									
Bromoform	ND	0.0050									
Bromomethane	ND	0.010									
Carbon disulfide	ND	0.0050									
Carbon tetrachloride	ND	0.0050									
Chlorobenzene	ND	0.0050									
Chloroethane	ND	0.010									
Chloroform	ND	0.0050									
Chloromethane	ND	0.010									
cis-1,2-Dichloroethene	ND	0.0050									
cis-1,3-Dichloropropene	ND	0.0050									
Dibromochloromethane	ND	0.0050									
Ethylbenzene	ND	0.0050									
m,p-Xylene	0.0005	0.0050									J
Methylene chloride	ND	0.010									
o-Xylene	ND	0.0050									
Styrene	ND	0.0050									
Tetrachloroethene	ND	0.0050									
Toluene	ND	0.0050									

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Burns & McDonnell
Work Order: 0206134
Project: 26168, Hawthorne Parcel 1

ANALYTICAL QC SUMMARY REPORT

BatchID: R3777

Sample ID: **VBLK062602A-2** SampType: **MBLK** TestCode: **VOC_5035+** Units: **mg/Kg** Prep Date: Run ID: **VOA-2_020626B**
Client ID: **ZZZZZ** Batch ID: **R3777** TestNo: **SW5035/8260** Analysis Date: **6/26/2002** SeqNo: **73574**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,2-Dichloroethene	ND	0.0050									
trans-1,3-Dichloropropene	ND	0.0050									
Trichloroethene	ND	0.0050									
Vinyl chloride	ND	0.0050									

Sample ID: **VLCS062602A-2** SampType: **LCS** TestCode: **VOC_5035+** Units: **mg/Kg** Prep Date: Run ID: **VOA-2_020626B**
Client ID: **ZZZZZ** Batch ID: **R3777** TestNo: **SW5035/8260** Analysis Date: **6/26/2002** SeqNo: **73575**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	0.05098	0.0050	0.05	0	102	70	130	0	0		
1,1,2,2-Tetrachloroethane	0.04248	0.0050	0.05	0	85	70	130	0	0		
1,1,2-Trichloroethane	0.04863	0.0050	0.05	0	97.3	70	130	0	0		
1,1-Dichloroethane	0.04623	0.0050	0.05	0	92.5	70	130	0	0		
1,1-Dichloroethene	0.05084	0.0050	0.05	0	102	70	130	0	0		
1,2-Dichloroethane	0.04927	0.0050	0.05	0	98.5	70	130	0	0		
1,2-Dichloropropane	0.04785	0.0050	0.05	0	95.7	70	130	0	0		
2-Butanone	0.05004	0.010	0.05	0	100	70	130	0	0		
2-Hexanone	0.04958	0.010	0.05	0	99.2	70	130	0	0		
4-Methyl-2-pentanone	0.04943	0.010	0.05	0	98.9	70	130	0	0		
Acetone	0.05386	0.025	0.05	0	108	70	130	0	0		
Benzene	0.04697	0.0050	0.05	0	93.9	70	130	0	0		
Bromodichloromethane	0.0499	0.0050	0.05	0	99.8	70	130	0	0		
Bromoform	0.04949	0.0050	0.05	0	99	70	130	0	0		
Bromomethane	0.04042	0.010	0.05	0	80.8	70	130	0	0		
Carbon disulfide	0.05543	0.0050	0.05	0	111	70	130	0	0		
Carbon tetrachloride	0.05069	0.0050	0.05	0	101	70	130	0	0		
Chlorobenzene	0.04691	0.0050	0.05	0	93.8	70	130	0	0		
Chloroethane	0.04991	0.010	0.05	0	99.8	70	130	0	0		
Chloroform	0.0491	0.0050	0.05	0	98.2	70	130	0	0		
Chloromethane	0.04359	0.010	0.05	0	87.2	70	130	0	0		
cis-1,2-Dichloroethene	0.04982	0.0050	0.05	0	99.6	70	130	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Burns & McDonnell
Work Order: 0206134
Project: 26168, Hawthorne Parcel 1

ANALYTICAL QC SUMMARY REPORT

BatchID: R3777

Sample ID: **VLCS062602A-2** SampType: **LCS** TestCode: **VOC_5035+** Units: **mg/Kg** Prep Date: Run ID: **VOA-2_020626B**
Client ID: **ZZZZZ** Batch ID: **R3777** TestNo: **SW5035/8260** Analysis Date: **6/26/2002** SeqNo: **73575**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
cis-1,3-Dichloropropene	0.05161	0.0050	0.05	0	103	70	130	0	0		
Dibromochloromethane	0.04995	0.0050	0.05	0	99.9	70	130	0	0		
Ethylbenzene	0.04622	0.0050	0.05	0	92.4	70	130	0	0		
m,p-Xylene	0.09471	0.0050	0.1	0.0005	94.2	70	130	0	0		
Methylene chloride	0.05159	0.010	0.05	0	103	70	130	0	0		
o-Xylene	0.0479	0.0050	0.05	0	95.8	70	130	0	0		
Styrene	0.04645	0.0050	0.05	0	92.9	70	130	0	0		
Tetrachloroethene	0.0485	0.0050	0.05	0	97	70	130	0	0		
Toluene	0.0471	0.0050	0.05	0	94.2	70	130	0	0		
trans-1,2-Dichloroethene	0.0509	0.0050	0.05	0	102	70	130	0	0		
trans-1,3-Dichloropropene	0.05761	0.0050	0.05	0	115	70	130	0	0		
Trichloroethene	0.04928	0.0050	0.05	0	98.6	70	130	0	0		
Vinyl chloride	0.03919	0.0050	0.05	0	78.4	70	130	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Burns & McDonnell
Work Order: 0206134
Project: 26168, Hawthorne Parcel 1

ANALYTICAL QC SUMMARY REPORT

BatchID: R3780

Sample ID: **VBLK062702-2** SampType: **MBLK** TestCode: **VOC_5035+** Units: **mg/Kg** Prep Date: Run ID: **VOA-2_020627A**
Client ID: **ZZZZZ** Batch ID: **R3780** TestNo: **SW5035/8260** Analysis Date: **6/27/2002** SeqNo: **73708**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	ND	0.0050									
1,1,2,2-Tetrachloroethane	ND	0.0050									
1,1,2-Trichloroethane	ND	0.0050									
1,1-Dichloroethane	ND	0.0050									
1,1-Dichloroethene	ND	0.0050									
1,2-Dichloroethane	ND	0.0050									
1,2-Dichloropropane	ND	0.0050									
2-Butanone	ND	0.010									
2-Hexanone	ND	0.010									
4-Methyl-2-pentanone	ND	0.010									
Acetone	ND	0.025									
Benzene	ND	0.0050									
Bromodichloromethane	ND	0.0050									
Bromoform	ND	0.0050									
Bromomethane	ND	0.010									
Carbon disulfide	ND	0.0050									
Carbon tetrachloride	ND	0.0050									
Chlorobenzene	ND	0.0050									
Chloroethane	ND	0.010									
Chloroform	ND	0.0050									
Chloromethane	ND	0.010									
cis-1,2-Dichloroethene	ND	0.0050									
cis-1,3-Dichloropropene	ND	0.0050									
Dibromochloromethane	ND	0.0050									
Ethylbenzene	ND	0.0050									
m,p-Xylene	ND	0.0050									
Methylene chloride	ND	0.010									
o-Xylene	ND	0.0050									
Styrene	ND	0.0050									
Tetrachloroethene	ND	0.0050									
Toluene	ND	0.0050									

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Burns & McDonnell
Work Order: 0206134
Project: 26168, Hawthorne Parcel 1

ANALYTICAL QC SUMMARY REPORT

BatchID: R3780

Sample ID: **VBLK062702-2** SampType: **MBLK** TestCode: **VOC_5035+** Units: **mg/Kg** Prep Date: Run ID: **VOA-2_020627A**
Client ID: **ZZZZZ** Batch ID: **R3780** TestNo: **SW5035/8260** Analysis Date: **6/27/2002** SeqNo: **73708**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,2-Dichloroethene	ND	0.0050									
trans-1,3-Dichloropropene	ND	0.0050									
Trichloroethene	ND	0.0050									
Vinyl chloride	ND	0.0050									

Sample ID: **VLCS062702r-2** SampType: **LCS** TestCode: **VOC_5035+** Units: **mg/Kg** Prep Date: Run ID: **VOA-2_020627A**
Client ID: **ZZZZZ** Batch ID: **R3780** TestNo: **SW5035/8260** Analysis Date: **6/27/2002** SeqNo: **73709**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	0.05238	0.0050	0.05	0	105	70	130	0	0		
1,1,2,2-Tetrachloroethane	0.04918	0.0050	0.05	0	98.4	70	130	0	0		
1,1,2-Trichloroethane	0.0497	0.0050	0.05	0	99.4	70	130	0	0		
1,1-Dichloroethane	0.04704	0.0050	0.05	0	94.1	70	130	0	0		
1,1-Dichloroethene	0.05314	0.0050	0.05	0	106	70	130	0	0		
1,2-Dichloroethane	0.05039	0.0050	0.05	0	101	70	130	0	0		
1,2-Dichloropropane	0.05053	0.0050	0.05	0	101	70	130	0	0		
2-Butanone	0.05717	0.010	0.05	0	114	70	130	0	0		
2-Hexanone	0.05636	0.010	0.05	0	113	70	130	0	0		
4-Methyl-2-pentanone	0.04895	0.010	0.05	0	97.9	70	130	0	0		
Acetone	0.06114	0.025	0.05	0	122	70	130	0	0		
Benzene	0.05144	0.0050	0.05	0	103	70	130	0	0		
Bromodichloromethane	0.05288	0.0050	0.05	0	106	70	130	0	0		
Bromoform	0.05776	0.0050	0.05	0	116	70	130	0	0		
Bromomethane	0.04688	0.010	0.05	0	93.8	70	130	0	0		
Carbon disulfide	0.05621	0.0050	0.05	0	112	70	130	0	0		
Carbon tetrachloride	0.05275	0.0050	0.05	0	106	70	130	0	0		
Chlorobenzene	0.05495	0.0050	0.05	0	110	70	130	0	0		
Chloroethane	0.05565	0.010	0.05	0	111	70	130	0	0		
Chloroform	0.04952	0.0050	0.05	0	99	70	130	0	0		
Chloromethane	0.05028	0.010	0.05	0	101	70	130	0	0		
cis-1,2-Dichloroethene	0.05059	0.0050	0.05	0	101	70	130	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit; S - Spike Recovery outside accepted recovery limits; B - Analyte detected in the associated Method Blank; J - Analyte detected below quantitation limits; R - RPD outside accepted recovery limits

CLIENT: Burns & McDonnell
Work Order: 0206134
Project: 26168, Hawthorne Parcel 1

ANALYTICAL QC SUMMARY REPORT

BatchID: R3780

Sample ID: **VLCS062702r-2** SampType: **LCS** TestCode: **VOC_5035+** Units: **mg/Kg** Prep Date: Run ID: **VOA-2_020627A**
Client ID: **ZZZZZ** Batch ID: **R3780** TestNo: **SW5035/8260** Analysis Date: **6/27/2002** SeqNo: **73709**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
cis-1,3-Dichloropropene	0.05485	0.0050	0.05	0	110	70	130	0	0		
Dibromochloromethane	0.05315	0.0050	0.05	0	106	70	130	0	0		
Ethylbenzene	0.0549	0.0050	0.05	0	110	70	130	0	0		
m,p-Xylene	0.113	0.0050	0.1	0	113	70	130	0	0		
Methylene chloride	0.05023	0.010	0.05	0	100	70	130	0	0		
o-Xylene	0.0555	0.0050	0.05	0	111	70	130	0	0		
Styrene	0.0539	0.0050	0.05	0	108	70	130	0	0		
Tetrachloroethene	0.05381	0.0050	0.05	0	108	70	130	0	0		
Toluene	0.05122	0.0050	0.05	0	102	70	130	0	0		
trans-1,2-Dichloroethene	0.053	0.0050	0.05	0	106	70	130	0	0		
trans-1,3-Dichloropropene	0.06026	0.0050	0.05	0	121	70	130	0	0		
Trichloroethene	0.05415	0.0050	0.05	0	108	70	130	0	0		
Vinyl chloride	0.04428	0.0050	0.05	0	88.6	70	130	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Burns & McDonnell
Work Order: 0206134
Project: 26168, Hawthorne Parcel 1

ANALYTICAL QC SUMMARY REPORT

BatchID: 3109

Sample ID: **TCNMBS1 062102** SampType: **MBLK** TestCode: **cn_Ts** Units: **mg/Kg** Prep Date: **6/21/2002** Run ID: **LACHAT_020626B**
Client ID: **ZZZZZ** Batch ID: **3109** TestNo: **SW9012A** Analysis Date: **6/26/2002** SeqNo: **72853**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	ND	0.25									

Sample ID: **TCNLCSS1 062102** SampType: **LCS** TestCode: **cn_Ts** Units: **mg/Kg** Prep Date: **6/21/2002** Run ID: **LACHAT_020626B**
Client ID: **ZZZZZ** Batch ID: **3109** TestNo: **SW9012A** Analysis Date: **6/26/2002** SeqNo: **72854**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	13.44	0.25	12.5	0	108	90	110	0	0		

Sample ID: **TCNLCSDS1 062102** SampType: **LCSD** TestCode: **cn_Ts** Units: **mg/Kg** Prep Date: **6/21/2002** Run ID: **LACHAT_020626B**
Client ID: **ZZZZZ** Batch ID: **3109** TestNo: **SW9012A** Analysis Date: **6/26/2002** SeqNo: **72855**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	13.45	0.25	12.5	0	108	90	110	13.44	0.0224	20	

Sample ID: **0206122-007BMS** SampType: **MS** TestCode: **cn_Ts** Units: **mg/Kg-dry** Prep Date: **6/21/2002** Run ID: **LACHAT_020626B**
Client ID: **ZZZZZ** Batch ID: **3109** TestNo: **SW9012A** Analysis Date: **6/26/2002** SeqNo: **72857**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	13.12	0.31	15.26	0	86	75	125	0	0		

Sample ID: **0206122-007BMSD** SampType: **MSD** TestCode: **cn_Ts** Units: **mg/Kg-dry** Prep Date: **6/21/2002** Run ID: **LACHAT_020626B**
Client ID: **ZZZZZ** Batch ID: **3109** TestNo: **SW9012A** Analysis Date: **6/26/2002** SeqNo: **72858**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	13.38	0.31	15.26	0	87.7	75	125	13.12	2.01	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Burns & McDonnell
Work Order: 0206134
Project: 26168, Hawthorne Parcel 1

ANALYTICAL QC SUMMARY REPORT

BatchID: 3112

Sample ID: **TCNMBS2 062102** SampType: **MBLK** TestCode: **cn_Ts** Units: **mg/Kg** Prep Date: **6/21/2002** Run ID: **LACHAT_020626C**
Client ID: **ZZZZZ** Batch ID: **3112** TestNo: **SW9012A** Analysis Date: **6/26/2002** SeqNo: **72949**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	ND	0.25									

Sample ID: **TCNLCSS2 062102** SampType: **LCS** TestCode: **cn_Ts** Units: **mg/Kg** Prep Date: **6/21/2002** Run ID: **LACHAT_020626C**
Client ID: **ZZZZZ** Batch ID: **3112** TestNo: **SW9012A** Analysis Date: **6/26/2002** SeqNo: **72950**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	13.39	0.25	12.5	0	107	90	110	0	0		

Sample ID: **TCNLCSDS2 062102** SampType: **LCSD** TestCode: **cn_Ts** Units: **mg/Kg** Prep Date: **6/21/2002** Run ID: **LACHAT_020626C**
Client ID: **ZZZZZ** Batch ID: **3112** TestNo: **SW9012A** Analysis Date: **6/26/2002** SeqNo: **72951**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	13.4	0.25	12.5	0	107	90	110	13.39	0.0355	20	

Sample ID: **0206134-001BMS** SampType: **MS** TestCode: **cn_Ts** Units: **mg/Kg-dry** Prep Date: **6/21/2002** Run ID: **LACHAT_020626C**
Client ID: **HAS SP07 003** Batch ID: **3112** TestNo: **SW9012A** Analysis Date: **6/26/2002** SeqNo: **72953**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	13.01	0.31	15.26	0	85.3	75	125	0	0		

Sample ID: **0206134-001BMSD** SampType: **MSD** TestCode: **cn_Ts** Units: **mg/Kg-dry** Prep Date: **6/21/2002** Run ID: **LACHAT_020626C**
Client ID: **HAS SP07 003** Batch ID: **3112** TestNo: **SW9012A** Analysis Date: **6/26/2002** SeqNo: **72954**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	12.95	0.31	15.26	0	84.8	75	125	13.01	0.497	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Burns & McDonnell
Work Order: 0206134
Project: 26168, Hawthorne Parcel 1

ANALYTICAL QC SUMMARY REPORT

BatchID: 3118

Sample ID: **TCNMBS1 062402** SampType: **MBLK** TestCode: **cn_Ts** Units: **mg/Kg** Prep Date: **6/24/2002** Run ID: **LACHAT_020626E**
Client ID: **ZZZZZ** Batch ID: **3118** TestNo: **SW9012A** Analysis Date: **6/26/2002** SeqNo: **73134**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	ND	0.25									

Sample ID: **TCNLCSS1 062402** SampType: **LCS** TestCode: **cn_Ts** Units: **mg/Kg** Prep Date: **6/24/2002** Run ID: **LACHAT_020626E**
Client ID: **ZZZZZ** Batch ID: **3118** TestNo: **SW9012A** Analysis Date: **6/26/2002** SeqNo: **73135**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	13.58	0.25	12.5	0	109	90	110	0	0		

Sample ID: **TCNLCSDS1 062402** SampType: **LCSD** TestCode: **cn_Ts** Units: **mg/Kg** Prep Date: **6/24/2002** Run ID: **LACHAT_020626E**
Client ID: **ZZZZZ** Batch ID: **3118** TestNo: **SW9012A** Analysis Date: **6/26/2002** SeqNo: **73136**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	13.49	0.25	12.5	0	108	90	110	13.58	0.641	20	

Sample ID: **0206134-011BMS** SampType: **MS** TestCode: **cn_Ts** Units: **mg/Kg-dry** Prep Date: **6/24/2002** Run ID: **LACHAT_020626E**
Client ID: **HAS SP12 001** Batch ID: **3118** TestNo: **SW9012A** Analysis Date: **6/26/2002** SeqNo: **73138**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	13.51	0.30	14.81	0	91.2	75	125	0	0		

Sample ID: **0206134-011BMSD** SampType: **MSD** TestCode: **cn_Ts** Units: **mg/Kg-dry** Prep Date: **6/24/2002** Run ID: **LACHAT_020626E**
Client ID: **HAS SP12 001** Batch ID: **3118** TestNo: **SW9012A** Analysis Date: **6/26/2002** SeqNo: **73139**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	13.62	0.30	14.95	0	91.1	75	125	13.51	0.793	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

Burns & McDonnell SINCE 1898

Request for Chemical Analysis and Chain of Custody Record

Burns & McDonnell Engineering
2601 W. 22nd St
Oak Brook, Illinois 60523
Phone: (630) 990-0300 Fax: (630) 990-0301

Attention: Margaret Kelley

Laboratory: STAT Analysis
Address: 2201 W. Campbell Park Dr.
City/State/Zip: Chicago IL 60612
Telephone: 312-733-0511

Document Control No: HAS-004 (PARCEL 1)
Lab. Reference No. or Episode No.: 0206134

Project Number: 29168
Site Name: Hawthorne Parcel 1

Sample Number: Group or SWMU Name	Sample Number: Sample Point	Sample Number: Sample Designator	Sample Event: Round	Sample Event: Year	Sample Depth (in feet): From	Sample Depth (in feet): To	Sample Collected: Date	Sample Collected: Time	Sample Type Matrix: Liquid	Sample Type Matrix: Solid	Sample Type Matrix: Gas	Number of Containers	Parameter/Method Code: TCL VOCs	TCL SVOCs	PAH	PCBs	P.P. Metals	Total Cyanide		Remarks	
HAS	SP07	003			9'	11'	6/17/02	5:30pm		✓		12	✓	✓	✓	✓	✓	✓		MS/MSD	001
HAS	SP08	001			2'	3'	6/17/02	6pm		✓		4	✓	✓	✓	✓	✓	✓			002
HAS	SP08	002			6'	7'	6/17/02	6:15pm		✓		4	✓	✓	✓	✓	✓	✓			003
HAS	SP09	001			2'	3'	6/18/02	11am		✓		4	✓	✓	✓	✓	✓	✓			004
HAS	SP09	002			6'	7'	6/18/02	11:15		✓		4	✓	✓	✓	✓	✓	✓			005
HAS	SP10	001			1'	2'	6/18/02	11:55		✓		4	✓	✓	✓	✓	✓	✓			006
HAS	SP10	002			7'	8'	6/18/02	12:15		✓		4	✓	✓	✓	✓	✓	✓			007
HAS	SP11	001			2'	3'	6/18/02	12:30		✓		4	✓	✓	✓	✓	✓	✓			008
HAS	SP11	002			9'	10'	6/18/02	12:55		✓		4	✓	✓	✓	✓	✓	✓			009
HAS	SP11	003			15'	16'	6/18/02	1:10pm		✓		4	✓	✓	✓	✓	✓	✓			010
HAS	SP12	001			1'	3'	6/18/02	2:05pm		✓		10	✓	✓	✓	✓	✓	✓		MS/MSD	011
HAS	SP12	002			7'	8'	6/18/02	2:30		✓		4	✓	✓	✓	✓	✓	✓			012

Sampler (signature): Christy Barry
Sampler (signature):
Custody Seal Number: 0618001 0618002
Special Instructions: 5 DAY Turn around time

Relinquished By (signature): 1. Kathy Hibben — Date/Time: 6/18/02
Received By (signature): SAL Gower — Date/Time: 6/18/02 5:14
Ice Present in Container: Yes ☒ No ☐
Temperature Upon Receipt: 4°C

Relinquished By (signature): 2. SAL Gower — Date/Time: 6/18/02 6:00
Received By (signature): SAL Gower — Date/Time: 6/18/02 18:15
Laboratory Comments:

061301 Form WCD-KC1-CHI

STAT Analysis Corporation
2201 West Campbell Park Drive Chicago, IL 60612-3547 312.733.0551 Fax:312.733.2386
e-mail address: STATinfo@STATAnalysis.com AIHA accredited 10248, NVLAP accredited 101202-0

August 15, 2002

Joan Gonzalez
Burns & McDonnell
2601 W. 22nd Street
OakBrook, IL 60523-1229
Telephone: (630) 990-0300
Fax: (630) 990-0301

RE: 26168, Hawthorne Parcel 1 STAT Project No: 0208081

Dear Joan Gonzalez:

STAT Analysis received 1 sample for the referenced project on 8/9/2002. The analytical results are presented in the following report.

All analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except where noted in the Case Narrative.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,

Craig Chawla
Project Manager

STAT Analysis Corporation

Date: August 15, 2002

Client: Burns & McDonnell
Project: 26168, Hawthorne Parcel 1
Lab Order: 0208081

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
0208081-001A	HAS SP10 001	1'-2'	6/18/2002 11:55:00 AM	8/9/2002

STAT Analysis Corporation

Date: *August 15, 2002*

CLIENT: Burns & McDonnell
Project: 26168, Hawthorne Parcel 1
Lab Order: 0208081

CASE NARRATIVE

Sample HAS SP10 001 1'-2' (0208081-001A) was formerly assigned STAT sample number 0206134-006B.

STAT Analysis Corporation
2201 West Campbell Park Drive Chicago, IL 60612-3547
Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATanalysis.com

NVLAP

AIHA Environmental Lead and Industrial Hygiene ACCREDITED LABORATORY

Date Reported: August 15, 2002
Date Printed: August 15, 2002

Client: Burns & McDonnell
Lab Order: 0208081
Project: 26168, Hawthorne Parcel 1
Lab ID: 0208081-001

Client Sample ID: HAS SP10 001
Collection Date: 6/18/2002 11:55:00 AM
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SPLP Metals by ICP/MS		**SW1312/6020**		Prep Date: **8/12/2002**		Analyst: **DRJ**
Lead	0.044	0.002		mg/L	2	8/14/2002
TCLP Metals by ICP/MS		**SW1311/6020**		Prep Date: **8/12/2002**		Analyst: **DRJ**
Lead	0.25	0.01		mg/L	10	8/14/2002

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Craig

From: "Diane Saftic" <dsaftic@burnsmcd.com>
To: ">" <"Craig Chawla"<CChawla@STATAnalysis.com>
Sent: Friday, August 09, 2002 11:56 AM
Subject: Hawthorne - Parcel 1

Craig -

We would like to analyze soil sample SP10-001 collected in June 2002 at Hawthorne Avenue Station (STAT Project: 0206134) for SPLP and TCLP Lead.
We would like to receive the results for SP10-001as soon as possible.
If you have any questions, please call me at (630) 990-0302 ext 277.
Also, let me know if you receive this message.

Thanks,
Diane Saftic
Burns & McDonnell Engineering Company
2601 West 22nd Street
Oak Brook, Illinois 60523

ATTACHMENT D
POTENTIAL SOURCE MATERIAL/WASTE CHARACTERIZATION ANALYTICAL DATA
A PORTION OF WILLOW STREET STATION

STAT Analysis Corporation
2201 West Campbell Park Drive Chicago, IL 60612-3547 312.733.0551 Fax:312.733.2386
e-mail address: STATinfo@STATAnalysis.com AIHA accredited 10248, NVLAP accredited 101202-0

July 10, 2002

Margaret Kelley
Burns & McDonnell
2601 W. 22nd Street
OakBrook, IL 60523-1229
Telephone: (630) 990-0300
Fax: (630) 990-0301

RE: 29168, Hawthorne STAT Project No: 0206066

Dear Margaret Kelley:

STAT Analysis received 1 sample for the referenced project on 6/11/2002. The analytical results are presented in the following report.

All analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except where noted in the Case Narrative.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,

Craig Chawla
Project Manager

STAT Analysis Corporation

Date: July 10, 2002

Client: Burns & McDonnell
Project: 29168, Hawthorne
Lab Order: 0206066

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
0206066-001A	WC-HAS-01		6/11/2002 10:45:00 AM	6/11/2002

STAT Analysis Corporation
2201 West Campbell Park Drive Chicago, IL 60612-3547
Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATanalysis.com

NVLAP

AIHA Environmental Lead and Industrial Hygiene ACCREDITED LABORATORY

Date Reported: July 10, 2002
Date Printed: July 10, 2002

Client: Burns & McDonnell
Lab Order: 0206066
Project: 29168, Hawthorne
Lab ID: 0206066-001

Client Sample ID: WC-HAS-01
Collection Date: 6/11/2002 10:45:00 AM
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCBs		**SW8082**		Prep Date: **6/17/2002**		Analyst: **JF**
Aroclor 1016	ND	0.092		mg/Kg-dry	1	6/18/2002
Aroclor 1221	ND	0.092		mg/Kg-dry	1	6/18/2002
Aroclor 1232	ND	0.092		mg/Kg-dry	1	6/18/2002
Aroclor 1242	ND	0.092		mg/Kg-dry	1	6/18/2002
Aroclor 1248	ND	0.092		mg/Kg-dry	1	6/18/2002
Aroclor 1254	ND	0.18		mg/Kg-dry	1	6/18/2002
Aroclor 1260	ND	0.18		mg/Kg-dry	1	6/18/2002
TCLP Pesticides		**SW8081**		Prep Date: **6/19/2002**		Analyst: **JF**
Chlordane	ND	0.00005		mg/L	1	6/19/2002
Endrin	ND	0.0001		mg/L	1	6/19/2002
gamma-BHC	ND	0.0005		mg/L	1	6/19/2002
Heptachlor	ND	0.00005		mg/L	1	6/19/2002
Heptachlor epoxide	ND	0.00005		mg/L	1	6/19/2002
Methoxychlor	ND	0.0005		mg/L	1	6/19/2002
Toxaphene	ND	0.001		mg/L	1	6/19/2002
Total Petroleum Hydrocarbons		**SW8015M**		Prep Date: **6/17/2002**		Analyst: **JF**
TPH (Gasoline)	120	24		mg/Kg-dry	10	6/17/2002
TPH (Diesel)	23000	2000		mg/Kg-dry	100	6/18/2002
TPH (Oil)	14000	2000		mg/Kg-dry	100	6/18/2002
TCLP Mercury		**SW1311/7470A**		Prep Date: **6/19/2002**		Analyst: **DRJ**
Mercury	ND	0.00025		mg/L	1	6/19/2002
TCLP Metals by ICP/MS		**SW1311/6020**		Prep Date: **6/19/2002**		Analyst: **MCL**
Arsenic	ND	0.02		mg/L	10	6/20/2002
Barium	1.9	0.02		mg/L	10	6/20/2002
Cadmium	ND	0.01		mg/L	10	6/20/2002
Chromium	ND	0.02		mg/L	10	6/20/2002
Copper	0.31	0.02		mg/L	10	6/20/2002
Lead	0.17	0.01		mg/L	10	6/20/2002
Nickel	0.094	0.02		mg/L	10	6/20/2002
Selenium	ND	0.02		mg/L	10	6/20/2002
Silver	ND	0.02		mg/L	10	6/20/2002
Zinc	0.74	0.02		mg/L	10	6/20/2002
F-Listed Semivolatile Compounds		**SW8270C**		Prep Date: **6/17/2002**		Analyst: **JF**
2-Methylphenol	ND	2.6		mg/Kg	1	6/18/2002
3- & 4-Methylphenol	ND	2.6		mg/Kg	1	6/18/2002
Nitrobenzene	ND	2.6		mg/Kg	1	6/18/2002

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AIHA Environmental Lead and Industrial Hygiene ACCREDITED LABORATORY

Date Reported: July 10, 2002
Date Printed: July 10, 2002

Client: Burns & McDonnell
Lab Order: 0206066
Project: 29168, Hawthorne
Lab ID: 0206066-001

Client Sample ID: WC-HAS-01
Collection Date: 6/11/2002 10:45:00 AM
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
F-Listed Semivolatile Compounds		**SW8270C**		Prep Date: **6/17/2002**		Analyst: **JF**
Pyridine	ND	2.6		mg/Kg	1	6/18/2002
Polynuclear Aromatic Hydrocarbons		**SW8270(SIM)**		Prep Date: **6/17/2002**		Analyst: **VS**
Acenaphthene	44	25		mg/Kg-dry	100	6/18/2002
Acenaphthylene	16	2.5		mg/Kg-dry	10	6/18/2002
Anthracene	76	25		mg/Kg-dry	100	6/18/2002
Benz(a)anthracene	59	25		mg/Kg-dry	100	6/18/2002
Benzo(a)pyrene	37	25		mg/Kg-dry	100	6/18/2002
Benzo(b)fluoranthene	32	2.5		mg/Kg-dry	10	6/18/2002
Benzo(g,h,i)perylene	25	2.5		mg/Kg-dry	10	6/18/2002
Benzo(k)fluoranthene	35	2.5		mg/Kg-dry	10	6/18/2002
Chrysene	62	25		mg/Kg-dry	100	6/18/2002
Dibenz(a,h)anthracene	5	2.5		mg/Kg-dry	10	6/18/2002
Fluoranthene	180	25		mg/Kg-dry	100	6/18/2002
Fluorene	40	25		mg/Kg-dry	100	6/18/2002
Indeno(1,2,3-cd)pyrene	22	2.5		mg/Kg-dry	10	6/18/2002
Naphthalene	46	25		mg/Kg-dry	100	6/18/2002
Phenanthrene	210	25		mg/Kg-dry	100	6/18/2002
Pyrene	250	25		mg/Kg-dry	100	6/18/2002
TCLP Semivolatile Organic Compounds		**SW1311/8270C**		Prep Date: **6/18/2002**		Analyst: **JF**
1,4-Dichlorobenzene	ND	0.01		mg/L	1	6/19/2002
2,4,5-Trichlorophenol	ND	0.01		mg/L	1	6/19/2002
2,4,6-Trichlorophenol	ND	0.01		mg/L	1	6/19/2002
2,4-Dinitrotoluene	ND	0.01		mg/L	1	6/19/2002
2-methylphenol	ND	0.01		mg/L	1	6/19/2002
3- & 4-Methylphenol	ND	0.01		mg/L	1	6/19/2002
Hexachlorobenzene	ND	0.01		mg/L	1	6/19/2002
Hexachlorobutadiene	ND	0.01		mg/L	1	6/19/2002
Hexachloroethane	ND	0.01		mg/L	1	6/19/2002
Nitrobenzene	ND	0.01		mg/L	1	6/19/2002
Pentachlorophenol	ND	0.025		mg/L	1	6/19/2002
Pyridine	ND	0.01		mg/L	1	6/19/2002
BTEX by GC/MS		**SW8260B**		Prep Date: **6/12/2002**		Analyst: **MP**
Benzene	4.8	0.29		mg/Kg-dry	50	6/18/2002
Toluene	ND	0.014		mg/Kg-dry	1	6/18/2002
Ethylbenzene	0.45	0.29		mg/Kg-dry	50	6/18/2002
m,p-Xylene	0.071	0.014		mg/Kg-dry	1	6/18/2002
o-Xylene	0.05	0.014		mg/Kg-dry	1	6/18/2002

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Date Reported: July 10, 2002
Date Printed: July 10, 2002

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Lab Order: 0206066
Project: 29168, Hawthorne
Lab ID: 0206066-001

Client Sample ID: WC-HAS-01
Collection Date: 6/11/2002 10:45:00 AM
Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
F-Listed Volatile Compounds		**SW8260B**		Prep Date: **6/12/2002**		Analyst: **MP**
1,1,1-Trichloroethane	ND	0.11		mg/Kg	1	6/18/2002
1,1,2-Trichloroethane	ND	0.11		mg/Kg	1	6/18/2002
1,2-Dichlorobenzene	ND	0.11		mg/Kg	1	6/18/2002
1-Butanol	ND	2.2		mg/Kg	1	6/18/2002
2-Butanone	ND	0.11		mg/Kg	1	6/18/2002
2-Ethoxyethanol	ND	2.2		mg/Kg	1	6/14/2002
2-Nitropropane	ND	1.1		mg/Kg	1	6/18/2002
4-Methyl-2-pentanone	ND	0.11		mg/Kg	1	6/18/2002
Acetone	ND	0.11		mg/Kg	1	6/18/2002
Benzene	3.8	2.3		mg/Kg	50	6/18/2002
Carbon disulfide	ND	0.11		mg/Kg	1	6/18/2002
Carbon tetrachloride	ND	0.11		mg/Kg	1	6/18/2002
Chlorobenzene	ND	0.11		mg/Kg	1	6/18/2002
Cyclohexanone	ND	0.11		mg/Kg	1	6/18/2002
Ethyl acetate	ND	1.1		mg/Kg	1	6/18/2002
Ethyl Ether	ND	0.11		mg/Kg	1	6/18/2002
Ethylbenzene	ND	0.11		mg/Kg	1	6/18/2002
Freon-113	ND	0.11		mg/Kg	1	6/18/2002
Isobutyl Alcohol	ND	2.2		mg/Kg	1	6/18/2002
m,p-Xylene	ND	0.11		mg/Kg	1	6/18/2002
Methanol	ND	2.2		mg/Kg	1	6/14/2002
Methylene chloride	ND	0.11		mg/Kg	1	6/18/2002
o-Xylene	ND	0.11		mg/Kg	1	6/18/2002
Tetrachloroethene	ND	0.11		mg/Kg	1	6/18/2002
Toluene	ND	0.11		mg/Kg	1	6/18/2002
Trichloroethene	ND	0.11		mg/Kg	1	6/18/2002
Trichlorofluoromethane	ND	0.11		mg/Kg	1	6/18/2002
TCLP Volatile Organic Compounds by GC/MS		**SW1311/8260B**		Prep Date: **6/18/2002**		Analyst: **PS**
Benzene	0.067	0.05		mg/L	1	6/19/2002
2-Butanone	ND	0.05		mg/L	1	6/19/2002
Carbon tetrachloride	ND	0.05		mg/L	1	6/19/2002
Chlorobenzene	ND	0.05		mg/L	1	6/19/2002
Chloroform	ND	0.05		mg/L	1	6/19/2002
1,2-Dichloroethane	ND	0.05		mg/L	1	6/19/2002
1,1-Dichloroethene	ND	0.05		mg/L	1	6/19/2002
Tetrachloroethene	ND	0.05		mg/L	1	6/19/2002
Trichloroethene	ND	0.05		mg/L	1	6/19/2002
Vinyl chloride	ND	0.05		mg/L	1	6/19/2002

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Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCLP Herbicides		**SW1311/8321**		Prep Date:		Analyst: **SUB**
2,4,5-TP (Silvex)	ND	0.00034		mg/L	1	7/3/2002
2,4-D	ND	0.00029		mg/L	1	7/3/2002
Ash Content		**E160.4**		Prep Date: **6/17/2002**		Analyst: **AS**
Ash Content	91.37	0.01		wt%	1	6/19/2002
Cyanide on ASTM Extract		**D3987-85/SW9012A**		Prep Date: **6/12/2002**		Analyst: **YZ**
Cyanide	ND	0.005		mg/L	1	6/18/2002
Chemical Oxygen Demand on ASTM Extract		**D3987-85/E410.4**		Prep Date:		Analyst: **CT**
Chemical Oxygen Demand	33	20		mg/L	1	6/13/2002
Ammonia as Nitrogen on ASTM Extract		**D3987-85/E350.1**		Prep Date: **6/13/2002**		Analyst: **YZ**
Nitrogen, Ammonia (As N)	0.38	0.05		mg/L	1	6/14/2002
Oil and Grease on ASTM Extract		**D3987-85/E1664**		Prep Date:		Analyst: **PMS**
Oil and Grease	ND	5		mg/L	1	6/19/2002
Oxidizing Agents Screen on ASTM Extract		**D4981-89**		Prep Date:		Analyst: **AS**
Oxidizing Agents	Negative			POS/NEG	1	6/19/2002
PH on ASTM Extract		**D3987-85/E150.1**		Prep Date:		Analyst: **AS**
pH	8.8			pH Units	1	6/19/2002
Cyanide, Reactive		**SW7.3.3.2**		Prep Date: **6/17/2002**		Analyst: **YZ**
Reactive Cyanide	ND	0.94		mg/Kg	1	6/19/2002
Cyanide, Total		**SW9012A**		Prep Date: **6/11/2002**		Analyst: **YZ**
Cyanide	0.34	0.31		mg/Kg-dry	1	6/19/2002
Flash Point (Open-Cup)		**SW1010**		Prep Date:		Analyst: **PMS**
Flashpoint	No Flash @ 212			°F	1	6/12/2002
Paint Filter		**SW9095**		Prep Date:		Analyst: **PMS**
Paint Filter	Pass			Pass/Fail	1	6/17/2002
pH (1:10, 25 °C)		**SW9045C**		Prep Date:		Analyst: **PMS**
pH	8.9			pH Units	1	6/12/2002
Phenolics		**SW9066**		Prep Date: **6/12/2002**		Analyst: **YZ**
Phenolics, Total Recoverable	2.7	0.31		mg/Kg-dry	1	6/13/2002
Percent Moisture		**D2216**		Prep Date:		Analyst: **PMS**
Percent Moisture	19.81	0.01		wt%	1	6/18/2002
Solids, Total		**D2216**		Prep Date: **6/17/2002**		Analyst: **AS**

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Matrix: Soil

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Solids, Total		**D2216**		Prep Date:	**6/17/2002**	Analyst: **AS**
Total Solid	79.13	0.01		wt%	1	6/18/2002
Sulfide, Reactive		**SW7.3.4.2**		Prep Date:	**6/13/2002**	Analyst: **YZ**
Reactive Sulfide	ND	23		mg/Kg	1	6/14/2002

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e-mail address: STATinfo@STATAnalysis.com AIHA accredited 10248, NVLAP accredited 101202-0

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AIHA Environmental Lead and Industrial Hygiene ACCREDITED LABORATORY

CHAIN OF CUSTODY RECORD

№: 801333

Company: BURNS + McDONNELL
Project Number: 29168 Client Tracking No.:
Project Name: HAWTHORNE
Location/Address:
Sampler(s): DIANE SAFTIC
Report To: MARGARET KELLEY Phone: (630) 990-0300
QC Level: 1 ____ 2 ____ 3 ____ 4 ____ Fax: (630) 990-0301
Regulatory Program: NPDES/MWRD RCRA SDWA SRP TACO Other:

P.O. No.:
Quote No.:

Turn Around: 5-DAY
Results Needed: / / am/pm

Client Sample Number/Description:	Date Taken	Time Taken	Comp.	Grab	Preserv.	No. of Containers	CORE R	BTEX	PAHs	TCLP HERBICIDES/PESTICIDES	REACTIVE CYANIDE AND SULFIDE PS	PCBs	LN PANEL	E-CORE SOLVENT	TPH (CALIFORNIA METHOD)	REACTIVE CYANIDE	REACTIVE SULFIDE			Remarks	Lab No.:
WC-HAS-01	6/11/02	1045		X		1	X	X	X	X		X	X	X	X	X	X				CCL
~~WNC-HAS-001~~	~~6/11/02~~	~~1300~~		~~X~~		~~1~~															

Relinquished by: (Signature) Date/Time: 6/11/02
Received by: (Signature) Date/Time: 6-11-02
Relinquished by: (Signature) Date/Time: 6-11-02
Received for lab by: (Signature) Date/Time: 6/11/02 19:3
Relinquished by: (Signature) Date/Time:

Laboratory Use: **Sample Verification:**

Container OK	Yes	No
Samples Leaking	Yes	No
Refrigerated (Temp: 3 °C)	Yes	No
Sample Labels Match Sample ID	Yes	No

Work Order No.: C2060 68-6

Preservation Code:
A = None B = HNO_3 C = NaOH
D = H_2SO_4 E = HCl F = 5035/EnCore