CEE CONSULTING ENVIRONMENTAL ENGINEERS, INC.

TASK 210
SURFICIAL SITE INVESTIGATION
RECONSTRUCTION OF I-95 OVER WEST RIVER
BETWEEN INTERCHANGE 44 & 45
NEW HAVEN, CONNECTICUT
ConnDOT Project No.092-522
ConnDOT Assignment No. 101-2330
CEE Project No. A210 007 1101

May 6, 2002

Prepared for:

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May 6, 2002

Mr. Michael W. Lonergan, P.E.
Division of Environmental Compliance
Bureau of Engineering and Highway Operations
Connecticut Department of Transportation
2800 Berlin Turnpike
Newington, Connecticut 06131

Attention: Greg Dorsh, Chris Bonsignore

Re: Task 210 Surficial Site Investigation
Reconstruction of I-95 over West River
Between Interchange 44 & 45
New Haven, Connecticut
ConnDOT Project No. 092-522
ConnDOT Assignment No. 101-2330
CEE Project No. A210 007 00

Dear Mr. Lonergan:

Attached please find the Task 210 report for the referenced site. Based on the detections of petroleum hydrocarbons, PAHs and metals above background levels, CEE recommends a Task 310: Plans, Specifications and Estimates to manage controlled materials (i.e., soil and ground water). Soil excavated from within identified areas of environmental concern should be stockpiled at an approved waste stockpile area. Soil materials with contaminant concentrations that exceed applicable soil standards should be managed for off-site disposal.

Sincerely,

CONSULTING ENVIRONMENTAL ENGINEERS, INC.

William A. Jackson
Senior Project Geologist

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1.0 INTRODUCTION

1.1 Background

Consulting Environmental Engineers, Inc. (CEE) performed a Task 210 Subsurficial Site Investigation to characterize soil quality adjacent to Interstate 95 (I-95) in the vicinity of Exits 44 and 45 (the Site) in New Haven, Connecticut. A site location map is included as Figure 1. The purpose of the Task 210 investigation is to evaluate the surface and subsurface conditions of the Site in the vicinity of proposed reconstruction areas for potential soil and ground water contamination prior to construction activities. Therefore, CEE focused on areas of the Site which may be disturbed during construction of the proposed highway sections and ramps, as identified in the preliminary design plans entitled "Connecticut Department of Transportation Plan for Reconstruction of I-95 Over West River" provided by ConnDOT. The reconstruction project is summarized in the drawing entitled "Reconstruction of I-95 Over West River", Drawing No. IND-1, Project No. 092-522".

1.2 Geologic and Hydrogeologic Setting

1.2.1 Geology

Stone, et al. (1992) mapped the surficial materials beneath the Site as artificial fill, which is earth and manmade materials that have been artificially emplaced. The Site is located in a formally submerged section of New Haven Harbor. The 1951 aerial photographs, and the 1954 topographic map, indicate that the placement of fill was related to the completion of the New Haven section of I-95. The principal sources of fill material for the project area appear to have been hydraulic fill dredged from New Haven Harbor, and sand and gravel from borrow pits in the Hamden area[1].

Historical record of a nearby boring indicates the artificial fill in this area is approximately 10 feet in thickness, underlain by 34 feet of tidal marsh deposits composed of peat and muck interbedded with sand and silt, 7 feet of sand, and 209 feet of fine-grained sand, silt and clay.

Rodgers (1985) mapped the bedrock underlying the Site as a unit of New Haven Arkose, which is reddish, poorly sorted arkosic sedimentary rock of Triassic Age. No bedrock outcrops were observed in the vicinity of the Site. The depth to bedrock in the vicinity of the Site is believed to be greater than 250 feet below grade (fbg).

1.2.2 Ground Water

Ground water beneath the Site is classified GB by the Connecticut Department of Environmental Protection (CT DEP Water Quality Standards 1996). Class GB ground water signifies ground water with moderate quality. Water may not be suitable for potable use without treatment due to degradation of the water quality due to existing or historical land uses. The CT DEP presumes

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[1] This material was deposited by glacial meltwater streams: Flint, R. F. 1965. The surficial geology of the New Haven and Woodmont Quadrangles. State Geological and Natural History Survey of Connecticut, Quadrangle Report No. 18, 42 pp.

that ground water in such an area is unsuitable for drinking or other domestic uses without treatment (CT DEP, 1996).

The ground water flow direction is unknown from direct observation. The ground water flow direction within the New Haven Harbor may be influenced by tidal fluctuations. In general, ground water tends to flow toward the harbor, dictating that ground water flow in the vicinity of the Site would likely be to the south.

1.2.3 Surface Water

The West River is located approximately 1/8-mile west of the Site. This surface water body has a surface water classification of SC/SB, which means the current water quality is moderate to poor quality with a goal of SB, which indicates good to moderate quality surface waters. Surface waters with a classification of SC indicate that the water quality has been impaired in one or more ways and is not suitable for potable water or other uses.

New Haven Harbor, a Class SD/SB surface water body, is approximately 1/8-mile south of the Site. Class SD surface waters may be suitable for bathing or other recreational purposes; certain fish and wildlife habitat; industrial uses; other legitimate uses, including navigation; and may have good aesthetic value. Class SD water quality results from sources of pollution that are not readily correctable through implementation of established State water quality management programs to control point and non-point sources of pollution. Class SD/SB surface waters presently do not meet water quality criteria or are not supporting one or more assigned designated uses due to severe pollution. The water quality goal is the achievement of Class SB criteria and attainment of Class SB designated uses (CT DEP 1996 and 1997).

2.0 INVESTIGATION ACTIVITIES

2.1 Site Visit/Utility Clearance

William Jackson and Jonathon Drasdis of CEE conducted a site visit on March 6, 2002 to select and mark-out appropriate boring locations within the defined project area. CEE notified "Call Before You Dig" (CBYD) and requested a mark-out of underground utilities in the vicinity of the boring locations prior to initiating the investigation.

2.2 Soil Borings and Sample Collection

CEE retained Associated Borings Company of Naugatuck, Connecticut on March 29, 2002 to conduct soil borings via the hollow-stem auger method and to sample soils that may be disturbed during construction activities. The soil borings (Borings B-1 through B-11) were drilled to depths between 2.0-10.5 fbg. Soil samples were collected from each of the eleven borings via field-decontaminated split spoons. CEE characterized soil samples in the field, all soil samples recovered during the boring program appeared to be of artificial fill origin. The soil samples ranged from fine to coarse, generally unstratified sands, with minor amounts of gravel. Soil samples exhibited no unusual odor or discoloration. The soil encountered was loosely packed to moderately dense, making the drilling process relatively trouble-free. Ground water was not encountered in the eleven borings drilled. The boring locations are shown in the Boring Location Plan (Figure 2). A boring log for each of the eleven soil borings is included in Appendix A.

The samples were screened in the field with a model 580 B, Thermo Environmental Instruments, Inc., organic vapor meter (OVM) equipped with a highly sensitive photoionization detector (PID) for quantification of volatile organic compounds (VOCs). The OVM was calibrated in the field to 100-ppm isobutylene calibration gas standard. VOCs were detected in two of the sixteen samples collected (JBD020329-03 and JBD020329-18). The OVM readings are noted on the boring logs located in Appendix A. The soil samples were immediately transferred into laboratory-supplied glassware and placed in a cooler with ice. Soil samples were selected for laboratory analysis from each boring based on the OVM field screening results and visual observation of the soil sample characteristics. The soil sample intervals are recorded in the boring logs (Appendix A), and are included in the Sample Summary (Table 1) and Summary of Soils Analyses (Table 2).

CEE submitted sixteen soil samples to Spectrum Analytical Inc., Agawam, Massachusetts, for laboratory analysis. Each of the sixteen samples was analyzed for volatile organic compounds (VOCs, EPA Method 8260B), total petroleum hydrocarbons (TPH, by the Connecticut Extractable Total Petroleum Hydrocarbon Method), and mass analyses for the eight RCRA metals. Eleven of the soil samples (one from each boring location) were analyzed for semi-volatile organic compounds (SVOCs) (i.e., Polycyclic Aromatic Hydrocarbons (PAHs), EPA Method 8270C). Five of the soil samples were analyzed for polychlorinated biphenyls (PCBs) based on OVM results and visual observation.

Upon review of the initial laboratory analytical results, several soil samples were re-analyzed for additional parameters. This was done to more fully characterize any soil that may be excavated

for disposal or reuse during the highway reconstruction. Two soil samples were re-analyzed for chromium and lead by the Synthetic Precipitation Leaching Procedure (SPLP). In addition, three samples were re-analyzed for the eight RCRA Metals by the Toxicity Characteristics Leaching Procedure (TCLP) method and for the Waste Characterization parameters (i.e., pH, reactivity, corrosivity and ignitability). The one sample with laboratory-detected concentrations of PCBs was reanalyzed for PCBs using the SPLP method.

2.3 Ground Water and Sample Collection

CEE observed two existing monitoring wells located adjacent to the existing Conn DOT Maintenance Facility between Sea Street and I-95 northbound. Well MW-A is located in a presumed down-gradient direction (southwest) of the DOT Maintenance Facility, on the western side of the existing chain-linked fence separating the DOT property from Sea Street, as shown in the Boring Location Plan (Figure 2). The second monitoring well is located in a presumed, hydraulically down-gradient direction (south of the DOT Maintenance Facility). This well is noticeably side-gradient to the borings and proposed reconstruction area. CEE was unable to monitor this side-gradient well due to inaccessibility (locked well). The down-gradient well (MW-A) was gauged for depth to water (8.54 fbg) and depth to bottom (10.33 fbg). This depth to bottom is not representative of the true depth to bottom, as an obstruction blocks the well. The well was not purged due to inaccessibility, as a previous dedicated-bailer was wedged at approximately 10 fbg within the monitoring well. However, a small volume of standing water in the well above the dedicated-bailer was collected as a grab sample. The monitoring well field data sheet for MW-A is located in Appendix B. No field data sheet was recorded for the second well, MW-B. The water sample was collected directly into pre-cleaned containers provided by Spectrum Analytical. The ground water sample was analyzed for volatile organic compounds (VOCs, EPA Method 8260), PCBs (by EPA method 8082) and Total Metals by mass analyses for the eight RCRA metals.

3.0 RESULTS

3.1 Summary of Soil Analyses

As stated above, the sixteen soil samples were analyzed for VOCs (EPA Method 8260B), TPH by the Connecticut Extractable Total Petroleum Hydrocarbon Method, and the eight RCRA metals (EPA Method 200.7 and EPA Method 245.1). Eleven of the soil samples were analyzed for SVOCs (EPA Method 8270C). Five soil samples were analyzed for PCBs (EPA Method 8082). Three of the soil samples were re-analyzed for the Waste Characterization parameters (pH, reactivity, corrosivity and ignitability) and the eight RCRA Metals by the TCLP Method. Two of the soil samples were re-analyzed for chromium and lead by the SPLP Method.

The analyses detected concentrations of the VOCs above the laboratory method detection limits (MDLs), including naphthalene (0.055 mg/kg) in boring B-5 and toluene (0.015 and 0.014 mg/kg) in borings B-5 and B-11, respectively. The concentrations of naphthalene and toluene detected were below the residential direct exposure criteria (RES DEC) and the pollutant mobility criteria for the GB ground water classification (GB PMC) contained in Connecticut's Remediation Standard regulations (RSRs).

Several PAHs were detected in borings B-4, B-5 and B-11 at concentrations above the laboratory MDLs. Samples from borings B-5 and B-11 contained PAHs at concentrations exceeding the RES DEC and GB PMC. Benzo (a) anthracene (2.5 mg/kg), chrysene (2.6 mg/kg), benzo (a) fluoranthrene (2.5 mg/kg), benzo (k) fluoranthrene (1.9 mg/kg), benzo (a) pyrene (2.1 mg/kg) and indeno (1,2,3-cd) pyrene (1.2 mg/kg) were detected at concentrations exceeding the RES DEC and GB PMC in boring B-5. Similarly, Benzo (a) anthracene (1.9 mg/kg) and chrysene (1.7 mg/kg) were detected at concentrations exceeding the RES DEC and GB PMC in boring B-11.

Samples from borings B-4 and B-11 contained concentrations of TPH (1,400 mg/kg) that exceeded the 500 mg/kg RES DEC.

The laboratory analyses for VOCs, SVOCs and ETPH have been tabulated and appear in Table 2. Copies of the laboratory reports for the soil analyses are included in Appendix C.

Concentrations of PCBs were detected above the laboratory MDLs in the sample from boring B-4; however, these concentrations do not exceed the 1 mg/kg RES DEC.

Total concentrations of barium, chromium and lead were detected above laboratory MDLs in eleven of the sixteen soil samples; however, these metals were detected at levels well below the corresponding RES DEC. In addition to the aforementioned total metals, concentrations of cadmium and mercury were also detected in soil boring B-11; however, these concentrations were below the RES DEC. All other total RCRA eight metals were also below the MDLs for the remaining soil borings. The PCBs and total metals analyses are summarized in Table 3.

The total metals concentrations were divided by a factor of twenty to approximate a "worst case" Synthetic Precipitation Leaching Procedure (SPLP) and compared with the GB PMC for the 8 RCRA metals. The samples were re-analyzed for the 8 RCRA metals by the TCLP method. The TCLP analysis for soil sample –18 (0.822 mg/l) exceeded the 0.15 mg/l GB PMC for lead. Two of the samples (JBD020329-14 and JBD020329-15) were re-analyzed for lead and chromium by

the SPLP method. Chromium and lead were not detected in the samples above the laboratory MDLs. The SPLP analyses are summarized in Table 3.

Since the concentrations of PCBs were detected above the laboratory MDLs for boring B-4, sample JBD020329-02 was reanalyzed for PCBs by the SPLP method. The SPLP analysis did not contain PCBs above the 0.0002 mg/l MDL.

No other pollutants were detected in the soil samples above the applicable soils criteria contained in the RSRs.

3.2 Summary of Ground Water Analyses

The ground water sample from MW-A was analyzed for VOCs (EPA Method 8260), PCBs by the EPA 608 Method, and dissolved concentrations of the eight RCRA metals (EPA Method 200.7 and EPA Method 245.1).

Concentrations of the VOCs acetone (130 μg/l) and toluene (1.8 μg/l) were detected below the applicable Surface Water Protection Criteria (SWPC) contained in the RSRs. Dissolved cadmium (12.5 μg/l) and lead (332 μg/l) were detected at concentrations exceeding the SWPC. Mercury was not detected above the 25 μg/l MDL, however; the MDL exceeded the 0.4 μg/l SWPC for mercury. Laboratory analytical results for ground water are summarized in Table 4. Copies of the laboratory report for the ground water analyses are included in Appendix D.

4.0 CONCLUSIONS AND RECOMMENDATIONS

The following conclusions and recommendations are based upon the information contained in this report and on CEE's understanding of the proposed construction project:

4.1 Conclusions

The following contaminants were detected above the direct exposure criteria (DEC) and/or GB pollutant mobility criteria (GB PMC) soil standards contained in Connecticut's Remediation Standard regulations (RSRs):

- The soil sample collected from Boring B-4 and B-11 contained a concentration of total petroleum hydrocarbons (TPH) (1,400 mg/kg) that exceeded the 500 mg/kg RES DEC soil standard.

- The soil sample collected from Boring B-5 and B-10 contained concentrations of Polycyclic Aromatic Hydrocarbons (PAHs) that exceeded RES DEC, I/C DEC and GB PMC soil standards. The soil sample collected from Boring B-5 contained concentration of leachable lead (0.822 mg/l) that exceeded the 0.15 mg/l GB PMC.

- The ground water sample collected from monitoring well MW-A contained concentrations of dissolved lead (332 μg/l), and cadmium (12.5 μg/l), which exceed SWPC standards for lead and cadmium.

No other pollutants were detected above the applicable soil or ground water standards contained in the RSRs.

4.2 Recommendations

Based on the detections of petroleum hydrocarbons, PAHs and metals above background levels, CEE recommends a Task 310: Plans, Specifications and Estimates to manage controlled materials (i.e., soil and ground water). All soils excavated from within identified areas of environmental concern should be stockpiled at an approved waste stockpile area. Soil materials with contaminant concentrations that exceed applicable soil standards should be managed for off-site disposal.

5.0 LIMITATIONS AND EXCEPTIONS

CEE performs its services with generally accepted practices of engineers, hydrogeologists, and environmental consultants undertaking similar studies in the same locale and under similar circumstances and conditions. CEE's services are rendered without warranty, expressed, or implied.

CEE's findings and conclusions in this report are based on data, which may be interpreted differently by other individuals, and these different interpretations of the data may result in different conclusions.

Conditions observed by CEE during performance of the Task 210 Surficial Investigation may differ from conditions that are observed at a later time.

Compliance with the recommendations presented in CEE's report does not warrant, guarantee, or ensure the client's compliance with local, state, and federal laws.

In performance of these services, CEE obtained information from local, state, and federal government offices. CEE did not attempt to verify the accuracy, veracity, or completeness of the information, and CEE cannot be held liable for injuries or for any type of damages arising from its reliance on inaccurate or incomplete information provided by local, state, or federal agencies.

This report has been prepared to aid ConnDOT in identifying and addressing environmental site conditions at the Site located alongside and adjacent to Interstate 95, between Exits 44 and 45 in New Haven, Connecticut. This report has been prepared for the sole benefit and use of ConnDOT and may not be relied upon or used by any other person or entity without written permission of Consulting Environmental Engineers, Inc.

6.0 REFERENCES

Connecticut Department of Environmental Protection, 1996. *Water Quality Standards.*

Connecticut Department of Environmental Protection. 1999 *Remediation Standard Regulations.*

Flint, R. F. 1965. The surficial geology of the New Haven and Woodmont Quadrangles. State Geological and Natural History Survey of Connecticut, Quadrangle Report No. 18, 42 pp.

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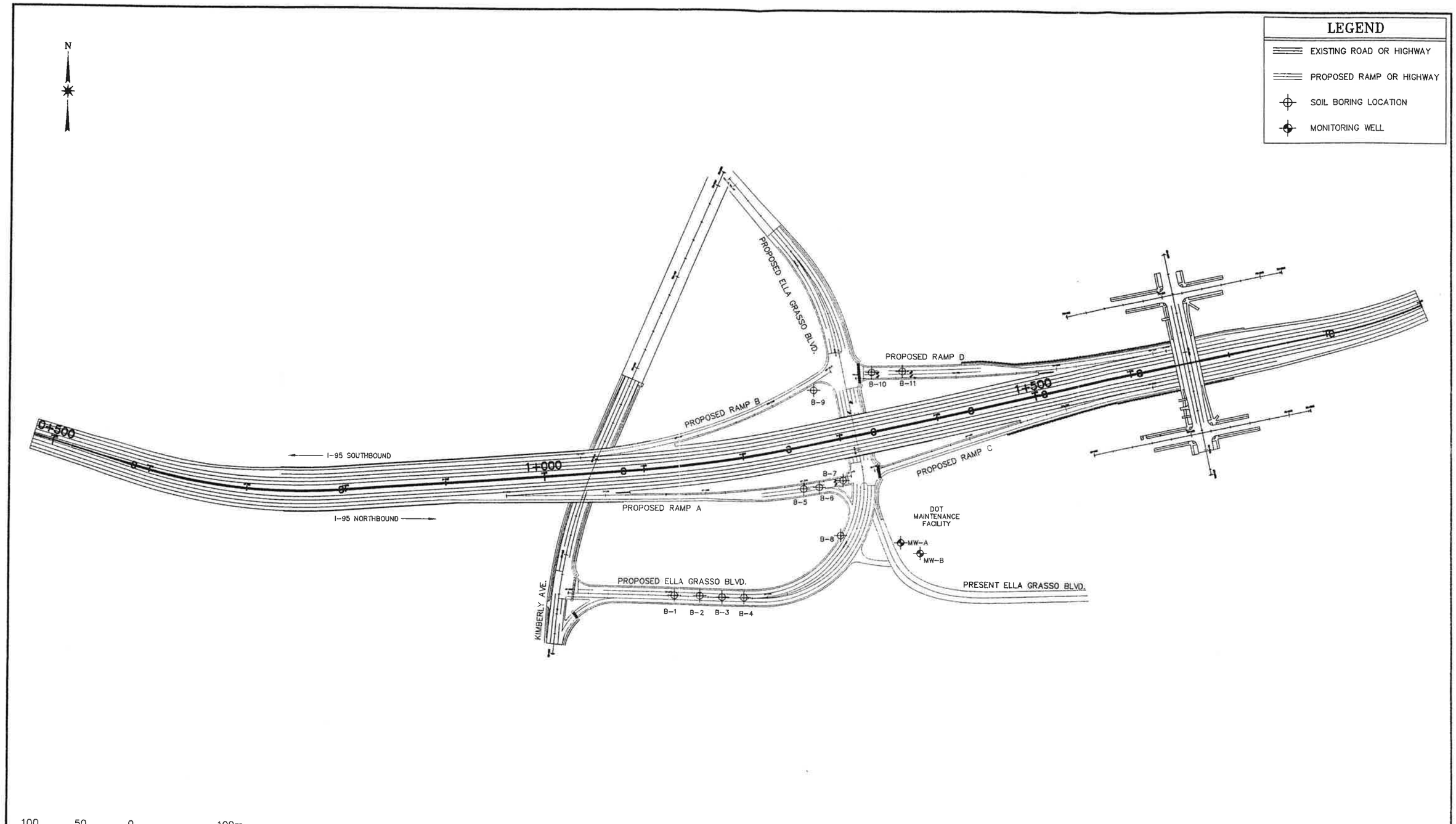
FIGURES

CEE	**SITE LOCATION MAP** Improvements to West River Bridge State Project No. 0092-0522 Connecticut Department of Transportation I-95 Interchange between exits 44 and 45 New Haven, Connecticut	**FIGURE 1** Job No. A 210 007 1101 DATE: 3/25/2002



Note: Site Plan based on Index Plan for the Reconstruction of I-95 Over West River
Conn DOT Drawing No.: IND-1, Sheet No.: 2. Plotted 07/11/01

CAD: 2100071101.DWG-F2

Figure No: 2	
Drawn By: JS	Job No.: A2100071101
Checked By: JBD	Date: 5/06/02

CEE CONSULTING ENVIRONMENTAL ENGINEERS, INC.

BORING LOCATION PLAN
RECONSTRUCTION OF I-95 OVER WEST RIVER
NEW HAVEN, CONNECTICUT

TABLES

TABLE 1

SAMPLE SUMMARY

Reconstruction of I-95 over West River
Connecticut Department of Transportation
New Haven, Connecticut

Field Sample ID	Boring ID	Sample Depth (ft)	Sample Location	Matrix Sampled	LABORATORY ANALYSES								
					TPH (Extractable)	VOCs	PCBs	PCBs (SPLP)	SVOCs (PAHs)	Total Metals RCRA 8	Waste * Characterization	SPLP Metals (Cr, Pb)	TCLP Metals (RCRA)
JBD020329-02	B-4	0-2'	Ella Grasso Blvd.	Soil	1	1	1	1	1	1	1		1
JBD020329-03	B-5	1-3'	Ramp A	Soil	1	1			1	1	1		1
JBD020329-05	B-5	5-7'	Ramp A	Soil	1	1				1			
JBD020329-06	B-6	1-3'	Ramp A	Soil	1	1				1			
JBD020329-08	B-6	5-7'	Ramp A	Soil	1	1	1		1	1			
JBD020329-09	B-7	2.5-4.5'	Ramp A	Soil	1	1				1			
JBD020329-10	B-7	6.5-8.5'	Ramp A	Soil	1	1				1			
JBD020329-11	B-7	8.5-9.5'	Ramp A	Soil	1	1	1		1	1			
JBD020329-12	B-3	0-2'	Ella Grasso Blvd.	Soil	1	1			1	1			
JBD020329-13	B-2	0.5-2.5'	Ella Grasso Blvd.	Soil	1	1			1	1			
JBD020329-14	B-1	0.5-2.5'	Ella Grasso Blvd.	Soil	1	1			1	1		1	
JBD020329-15	B-8	0-2'	Ella Grasso Blvd.	Soil	1	1			1	1		1	
JBD020329-16	B-10	1-3'	Ramp D	Soil	1	1				1			
JBD020329-17	B-10	3-5'	Ramp D	Soil	1	1			1	1			
JBD020329-18	B-11	0-2'	Ramp D	Soil	1	1	1		1	1	1		1
JBD020329-19	B-9	0-2'	Ramp B	Soil	1	1	1		1	1			
JBD020329-01	MW-A	Water Table		Ground Water		1	1			1			
TOTALS					**16**	**17**	**6**	**1**	**11**	**17**	**3**	**2**	**3**

Notes:

* - flash, pH, reactivity, corrosivity

TABLE 2 (1 of 2)

SUMMARY OF SOIL ANALYSES: VOCs, SVOCs and ETPH

Reconstruction of I-95 over West River
Connecticut Department of Transportation
New Haven, Connecticut

Sample Location	B-4	B-5	B-5	B-6	B-6	B-7	B-7	RES DEC (mg/kg)	I/C DEC (mg/kg)	GB PMC (mg/kg)
Field ID (1)	-02	-03	-05	-06	-08	-09	-10			
Sample Depth (ft)	0-2'	1-3'	5-7'	1-3'	5-7'	2.5-4.5'	6.5-8.5'			
VOLATILE ORGANIC COMPOUNDS (mg/kg)										
Benzene	BDL < 0.016	BDL < 0.011	BDL < 0.011	BDL < 0.012	BDL < 0.012	BDL < 0.012	BDL < 0.013	21	200	0.2
Ethylbenzene	BDL < 0.016	BDL < 0.011	BDL < 0.011	BDL < 0.012	BDL < 0.012	BDL < 0.012	BDL < 0.013	500	1,000	10.1
Methyl-tert-butyl ether (MTBE)	BDL < 0.016	BDL < 0.011	BDL < 0.011	BDL < 0.012	BDL < 0.012	BDL < 0.012	BDL < 0.013	500	1,000	20
Naphthalene	BDL < 0.016	**0.055**	BDL < 0.011	BDL < 0.012	BDL < 0.012	BDL < 0.012	BDL < 0.013	1,000	2,500	56
Toluene	BDL < 0.016	**0.015**	BDL < 0.011	BDL < 0.012	BDL < 0.012	BDL < 0.012	BDL < 0.013	500	1,000	67
m,p-Xylenes	BDL < 0.032	BDL < 0.022	BDL < 0.022	BDL < 0.024	BDL < 0.024	BDL < 0.024	BDL < 0.026	NE	NE	NE
o-Xylene	BDL < 0.016	BDL < 0.011	BDL < 0.011	BDL < 0.012	BDL < 0.012	BDL < 0.012	BDL < 0.013	NE	NE	NE
Xylenes (total)	BDL < 0.048	BDL < 0.033	BDL < 0.033	BDL < 0.036	BDL < 0.036	BDL < 0.036	BDL < 0.039	500	1,000	19.5
All other VOCs	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--
SEMI-VOLATILE ORGANIC COMPOUNDS (mg/kg)										
Naphthalene	BDL < 0.216	**0.39**	NA	NA	BDL < 0.143	NA	NA	1,000	2,500	56
2-Methylnaphthalene	BDL < 0.216	**0.19**	NA	NA	BDL < 0.143	NA	NA	474	2,500	49
1-Methylnaphthalene	BDL < 0.216	**0.22**	NA	NA	BDL < 0.143	NA	NA	NE	NE	NE
Acenaphthylene	BDL < 0.216	**0.75**	NA	NA	BDL < 0.143	NA	NA	1,000	2,500	84
Acenaphthene	BDL < 0.216	BDL < 0.172	NA	NA	BDL < 0.143	NA	NA	1,000	2,500	84
Fluorene	BDL < 0.216	**0.69**	NA	NA	BDL < 0.143	NA	NA	1,000	2,500	56
Phenanthrene	**0.48**	**5.30**	NA	NA	BDL < 0.143	NA	NA	1,000	2,500	40
Anthracene	BDL < 0.216	**1.10**	NA	NA	BDL < 0.143	NA	NA	1,000	2,500	400
Fluoranthene	**1.00**	**5.10**	NA	NA	BDL < 0.143	NA	NA	1,000	2,500	56
Pyrene	**1.10**	**5.00**	NA	NA	BDL < 0.143	NA	NA	1,000	2,500	40
Benzo (a) anthracene	**0.73**	**2.50**	NA	NA	BDL < 0.143	NA	NA	1	7.8	1
Chrysene	**0.76**	**2.60**	NA	NA	BDL < 0.143	NA	NA	84	780	1
Benzo (b) fluoranthene	**0.98**	**2.50**	NA	NA	BDL < 0.143	NA	NA	1	7.8	1
Benzo (k) fluoranthene	**0.59**	**1.90**	NA	NA	BDL < 0.143	NA	NA	8.4	78	1
Benzo (a) pyrene	**0.63**	**2.10**	NA	NA	BDL < 0.143	NA	NA	1	1	1
Indeno (1,2,3-cd) pyrene	BDL < 0.216	**1.20**	NA	NA	BDL < 0.143	NA	NA	1	7.8	1
Dibenzo (a,h) anthracene	BDL < 0.216	BDL < 0.172	NA	NA	BDL < 0.143	NA	NA	1	1	1
Benzo (g,h,i) perylene	BDL < 0.216	**1.40**	NA	NA	BDL < 0.143	NA	NA	1,000	2,500	42
TOTAL PETROLEUM HYDROCARBONS (mg/kg)										
CT ETPH	**1,400**	**400**	**63**	**83**	BDL < 10	**110**	**77**	500	2,500	2,500

Notes:

(1) BDL = Below Detection Limit (laboratory detection limit noted)
(2) Bold indicates analyte was detected
(3) Shaded areas reflect concentrations exceeding RSR criteria
(4) NA = Sample Not Analzed for that parameter
(5) NE = RSR criteria Not Established
(6) RES DEC = Residential Direct Exposure Criteria
(7) I/C DEC = Industrial Commerical Direct Exposure Criteria
(8) GB PMC = GB Pollutant Mobility Criteria

TABLE 2 (2 of 2)

SUMMARY OF SOIL ANALYSES: VOCs, SVOCs and ETPH

Reconstruction of I-95 over West River
Connecticut Department of Transportation
New Haven, Connecticut

Sample Location	B-7	B-3	B-2	B-1	B-8	B-10	B-10	B-11	B-9	RES DEC (mg/kg)	I/C DEC (mg/kg)	GB PMC (mg/kg)
Field ID (1)	-11	-12	-13	-14	-15	-16	-17	-18	-19			
Sample Depth (ft)	8.5-9.5'	0-2'	0.5-2.5'	0.5-2.5'	0-2'	1-3'	3-5'	0-2'	0-2'			
VOLATILE ORGANIC COMPOUNDS (mg/kg)												
Benzene	BDL < 0.0098	BDL < 0.014	BDL < 0.014	BDL < 0.012	BDL < 0.011	BDL < 0.012	BDL < 0.012	BDL < 0.013	BDL < 0.011	21	200	0.2
Ethylbenzene	BDL < 0.0098	BDL < 0.014	BDL < 0.014	BDL < 0.012	BDL < 0.011	BDL < 0.012	BDL < 0.012	BDL < 0.013	BDL < 0.011	500	1,000	10.1
Methyl-tert-butyl ether (MTBE)	BDL < 0.0098	BDL < 0.014	BDL < 0.014	BDL < 0.012	BDL < 0.011	BDL < 0.012	BDL < 0.012	BDL < 0.013	BDL < 0.011	500	1,000	20
Naphthalene	BDL < 0.0098	BDL < 0.014	BDL < 0.014	BDL < 0.012	BDL < 0.011	BDL < 0.012	BDL < 0.012	BDL < 0.013	BDL < 0.011	1,000	2,500	56
Toluene	BDL < 0.0098	BDL < 0.014	BDL < 0.014	BDL < 0.012	BDL < 0.011	BDL < 0.012	BDL < 0.012	**0.014**	BDL < 0.011	500	1,000	67
m,p-Xylenes	BDL < 0.0196	BDL < 0.028	BDL < 0.028	BDL < 0.024	BDL < 0.022	BDL < 0.024	BDL < 0.024	BDL < 0.026	BDL < 0.022	NE	NE	NE
o-Xylene	BDL < 0.0098	BDL < 0.014	BDL < 0.014	BDL < 0.012	BDL < 0.011	BDL < 0.012	BDL < 0.012	BDL < 0.013	BDL < 0.011	NE	NE	NE
Xylenes (total)	BDL < 0.029	BDL < 0.042	BDL < 0.042	BDL < 0.036	BDL < 0.033	BDL < 0.024	BDL < 0.024	BDL < 0.039	BDL < 0.033	500	1,000	19.5
All other VOCs	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--
SEMI-VOLATILE ORGANIC COMPOUNDS (mg/kg)												
Naphthalene	BDL < 0.143	BDL < 0.178	BDL < 0.154	BDL < 0.142	BDL < 0.142	NA	BDL < 0.141	BDL < 1.110	BDL < 0.167	1,000	2,500	56
2-Methylnaphthalene	BDL < 0.143	BDL < 0.178	BDL < 0.154	BDL < 0.142	BDL < 0.142	NA	BDL < 0.141	BDL < 1.110	BDL < 0.167	474	2,500	49
1-Methylnaphthalene	BDL < 0.143	BDL < 0.178	BDL < 0.154	BDL < 0.142	BDL < 0.142	NA	BDL < 0.141	BDL < 1.110	BDL < 0.167	NE	NE	NE
Acenaphthylene	BDL < 0.143	BDL < 0.178	BDL < 0.154	BDL < 0.142	BDL < 0.142	NA	BDL < 0.141	BDL < 1.110	BDL < 0.167	1,000	2,500	84
Acenaphthene	BDL < 0.143	BDL < 0.178	BDL < 0.154	BDL < 0.142	BDL < 0.142	NA	BDL < 0.141	BDL < 1.110	BDL < 0.167	1,000	2,500	84
Fluorene	BDL < 0.143	BDL < 0.178	BDL < 0.154	BDL < 0.142	BDL < 0.142	NA	BDL < 0.141	BDL < 1.110	BDL < 0.167	1,000	2,500	56
Phenanthrene	BDL < 0.143	BDL < 0.178	BDL < 0.154	BDL < 0.142	BDL < 0.142	NA	BDL < 0.141	**1.50**	BDL < 0.167	1,000	2,500	40
Anthracene	BDL < 0.143	BDL < 0.178	BDL < 0.154	BDL < 0.142	BDL < 0.142	NA	BDL < 0.141	BDL < 1.110	BDL < 0.167	1,000	2,500	400
Fluoranthene	BDL < 0.143	BDL < 0.178	BDL < 0.154	BDL < 0.142	BDL < 0.142	NA	BDL < 0.141	**2.60**	BDL < 0.167	1,000	2,500	56
Pyrene	BDL < 0.143	BDL < 0.178	BDL < 0.154	BDL < 0.142	BDL < 0.142	NA	BDL < 0.141	**2.80**	BDL < 0.167	1,000	2,500	40
Benzo (a) anthracene	BDL < 0.143	BDL < 0.178	BDL < 0.154	BDL < 0.142	BDL < 0.142	NA	BDL < 0.141	**1.90**	BDL < 0.167	1	7.8	1
Chrysene	BDL < 0.143	BDL < 0.178	BDL < 0.154	BDL < 0.142	BDL < 0.142	NA	BDL < 0.141	**1.70**	BDL < 0.167	84	780	1
Benzo (b) fluoranthene	BDL < 0.143	BDL < 0.178	BDL < 0.154	BDL < 0.142	BDL < 0.142	NA	BDL < 0.141	BDL < 1.110	BDL < 0.167	1	7.8	1
Benzo (k) fluoranthene	BDL < 0.143	BDL < 0.178	BDL < 0.154	BDL < 0.142	BDL < 0.142	NA	BDL < 0.141	BDL < 1.110	BDL < 0.167	8.4	78	1
Benzo (a) pyrene	BDL < 0.143	BDL < 0.178	BDL < 0.154	BDL < 0.142	BDL < 0.142	NA	BDL < 0.141	BDL < 1.110	BDL < 0.167	1	1	1
Indeno (1,2,3-cd) pyrene	BDL < 0.143	BDL < 0.178	BDL < 0.154	BDL < 0.142	BDL < 0.142	NA	BDL < 0.141	BDL < 1.110	BDL < 0.167	1	7.8	1
Dibenzo (a,h) anthracene	BDL < 0.143	BDL < 0.178	BDL < 0.154	BDL < 0.142	BDL < 0.142	NA	BDL < 0.141	BDL < 1.110	BDL < 0.167	1	1	1
Benzo (g,h,i) perylene	BDL < 0.143	BDL < 0.178	BDL < 0.154	BDL < 0.142	BDL < 0.142	NA	BDL < 0.141	BDL < 1.110	BDL < 0.167	1,000	2,500	42
TOTAL PETROLEUM HYDROCARBONS (mg/kg)												
CT ETPH	BDL < 10	BDL < 20	BDL < 20	BDL < 10	BDL < 10	BDL < 10	BDL < 10	**1,400**	BDL < 20	500	2,500	2,500

Notes:

(1) BDL = Below Detection Limit (laboratory detection limit noted)
(2) Bold indicates analyte was detected
(3) Shaded areas reflect concentrations exceeding RSR criteria
(4) NA = Sample Not Analzed for that parameter
(5) NE = RSR criteria Not Established
(6) RES DEC = Residential Direct Exposure Criteria
(7) I/C DEC = Industrial Commerical Direct Exposure Criteria
(8) GB PMC = GB Pollutant Mobility Criteria

TABLE 3 (1 of 2)

SUMMARY OF SOIL ANALYSES: PCBs, RCRA 8 METALS AND WASTE CHARACTERIZATION

Reconstruction of I-95 over West River
Connecticut Department of Transportation
New Haven, Connecticut

Sample Location	B-4	B-5	B-5	B-6	B-6	B-7	B-7	B-7	B-3	RES	I/C	GB
Field ID (1)	-02	-03	-05	-06	-08	-09	-10	-11	-12	DEC	DEC	PMC
Sample Depth (ft)	0-2'	1-3'	5-7'	1-3'	5-7'	2.5-4.5'	6.5-8.5'	8.5-9.5'	0-2'			
POLYCHLORINATED BYPHENYLS (mg/kg) (Mass Analysis)												
PCB-1016	ND < 0.037	NA	NA	NA	BDL < 0.030	NA	NA	BDL < 0.029	NA	1	10	NE
PCB-1221	ND < 0.037	NA	NA	NA	BDL < 0.030	NA	NA	BDL < 0.029	NA	1	10	NE
PCB-1232	ND < 0.037	NA	NA	NA	BDL < 0.030	NA	NA	BDL < 0.029	NA	1	10	NE
PCB-1242	ND < 0.037	NA	NA	NA	BDL < 0.030	NA	NA	BDL < 0.029	NA	1	10	NE
PCB-1248	ND < 0.037	NA	NA	NA	BDL < 0.030	NA	NA	BDL < 0.029	NA	1	10	NE
PCB-1254	**0.140**	NA	NA	NA	BDL < 0.030	NA	NA	BDL < 0.029	NA	1	10	NE
PCB-1260	**0.042**	NA	NA	NA	BDL < 0.030	NA	NA	BDL < 0.029	NA	1	10	NE
SPLP POLYCHLORINATED BYPHENYLS (mg/l) (SPLP Analysis)												
PCB-1016	ND < 0.0002	NA	NA	NA	NA	NA	NA	NA	NA	NE	NE	0.005 (*)
PCB-1221	ND < 0.0002	NA	NA	NA	NA	NA	NA	NA	NA	NE	NE	0.005 (*)
PCB-1232	ND < 0.0002	NA	NA	NA	NA	NA	NA	NA	NA	NE	NE	0.005 (*)
PCB-1242	ND < 0.0002	NA	NA	NA	NA	NA	NA	NA	NA	NE	NE	0.005 (*)
PCB-1248	ND < 0.0002	NA	NA	NA	NA	NA	NA	NA	NA	NE	NE	0.005 (*)
PCB-1254	ND < 0.0002	NA	NA	NA	NA	NA	NA	NA	NA	NE	NE	0.005 (*)
PCB-1260	ND < 0.0002	NA	NA	NA	NA	NA	NA	NA	NA	NE	NE	0.005 (*)
TOTAL RCRA 8 METALS (mg/kg) (Mass Analysis)												
Arsenic	BDL < 3.43	BDL < 2.78	BDL < 2.71	BDL < 2.93	BDL < 2.7	BDL < 2.76	BDL < 3.04	BDL < 2.72	ND < 3.17	10	10	NE
Barium	**44.8**	**28.7**	**7.6**	**14.9**	**9.52**	**16.1**	**17.6**	**5.2**	**30.3**	4,700	140,000	NE
Cadmium	BDL < 0.572	BDL < 0.463	BDL < 0.451	BDL < 0.488	BDL < 0.45	BDI < 0.461	BDL < 0.507	BDL < 0.453	ND < 0.528	34	1,000	NE
Chromium	**15.5**	**13.7**	**3.38**	**5.54**	**3.84**	**7.77**	**5.4**	**4.47**	**7.59**	3,900	51,000	NE
Lead	**66.3**	**48.4**	BDL < 1.35	**2.57**	BDL < 1.35	**17.7**	BDL < 1.52	**5.66**	**4.53**	500	1000	NE
Selenium	BDL < 9.4	BDL < 3.85	BDL < 2.71	BDL < 3.25	BDL < 2.95	BDL < 2.76	BDL < 3.04	BDL < 2.72	ND < 3.25	340	10,000	NE
Silver	BDL < 2.29	BDL < 1.85	BDL < 1.81	BDL < 1.95	BDL < 1.8	BDL < 1.84	BDL < 2.03	BDL < 1.81	ND < 2.11	340	10,000	NE
Mercury	BDL < 0.2	BDL < 0.173	BDL < 0.185	BDL < 0.191	BDL < 0.182	BDL < 0.172	BDL < 0.183	BDL < 0.163	ND < 0.203	20	610	NE
RCRA 8 METALS (mg/l) (TCLP Analysis)												
Arsenic	BDL < 0.015	BDL < 0.015	NA	NA	NA	NA	NA	NA	NA	NE	NE	0.5
Barium	**0.263**	**0.256**	NA	NA	NA	NA	NA	NA	NA	NE	NE	10
Cadmium	BDL < 0.0025	BDL < 0.0025	NA	NA	NA	NA	NA	NA	NA	NE	NE	0.05
Chromium	BDL < 0.005	BDL < 0.005	NA	NA	NA	NA	NA	NA	NA	NE	NE	0.5
Lead	**0.0543**	**0.0275**	NA	NA	NA	NA	NA	NA	NA	NE	NE	0.15
Selenium	BDL < 0.015	BDL < 0.015	NA	NA	NA	NA	NA	NA	NA	NE	NE	0.5
Silver	BDL < 0.010	BDL < 0.010	NA	NA	NA	NA	NA	NA	NA	NE	NE	0.36
Mercury	BDL < 0.0004	BDL < 0.0004	NA	NA	NA	NA	NA	NA	NA	NE	NE	0.02
Metals (mg/l) (SPLP Analysis)												
Chromium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NE	NE	0.5
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA	NE	NE	0.15
WASTE CHARACTERIZATION PARAMETERS												
pH (pH units)	9.05	8.23	NA	NA	NA	NA	NA	NA	NA	NE	NE	NE
Ignitability (pos/neg)	Negative	Negative	NA	NA	NA	NA	NA	NA	NA	NE	NE	NE
Reactive Cyanide (mg/kg)	BDI < 0.29	BDI < 0.25	NA	NA	NA	NA	NA	NA	NA	NE	NE	NE
Reactive Sulfide (mg/kg)	BDL < 29	BDL < 25	NA	NA	NA	NA	NA	NA	NA	NE	NE	NE

Notes:

(1) The prefix to all sample ID's is "JBD020329" as identified on the Chain of Custody and Laboratory Report.
(2) BDL = Below Detection Limit (laboratory detection limit noted)
(3) Bold indicates Analyte was detected
(4) Leachable PCBs (TCLP/SPLP)
(*) GB Mobility criteria by TCLP or by SPLP in mg/l

NE = RSR criteria Not Established
RES DEC = Residential Direct Exposure Criteria
I/C DEC = Industrial Commerical Direct Exposure Criteria
GB PMC = GB Pollutant Mobility Criteria

TABLE 3 (2 of 2)

SUMMARY OF SOIL ANALYSES: PCBs, RCRA 8 METALS AND WASTE CHARACTERIZATION

Reconstruction of I-95 over West River
Connecticut Department of Transportation
New Haven, Connecticut

Sample Location	B-3	B-2	B-1	B-8	B-10	B-10	B-11	B-9	RES DEC	I/C DEC	GB PMC
Field ID (1)	-12	-13	-14	-15	-16	-17	-18	-19			
Sample Depth (ft)	0-2'	0.5-2.5'	0.5-2.5'	0-2'	1-3'	3-5'	0-2'	0-2'			
POLYCHLORINATED BYPHENYLS (mg/kg) (Mass Analysis)											
PCB-1016	NA	NA	NA	NA	NA	NA	BDL < 0.032	BDL < 0.028	1	10	NE
PCB-1221	NA	NA	NA	NA	NA	NA	BDL < 0.032	BDL < 0.028	1	10	NE
PCB-1232	NA	NA	NA	NA	NA	NA	BDL < 0.032	BDL < 0.028	1	10	NE
PCB-1242	NA	NA	NA	NA	NA	NA	BDL < 0.032	BDL < 0.028	1	10	NE
PCB-1248	NA	NA	NA	NA	NA	NA	BDL < 0.032	BDL < 0.028	1	10	NE
PCB-1254	NA	NA	NA	NA	NA	NA	BDL < 0.032	BDL < 0.028	1	10	NE
PCB-1260	NA	NA	NA	NA	NA	NA	BDL < 0.032	BDL < 0.028	1	10	NE
TOTAL RCRA 8 METALS (mg/kg) (Mass Analysis)											
Arsenic	ND < 3.17	BDL < 2.98	BDL < 2.71	BDL < 2.71	BDL < 2.75	BDL < 2.79	BDL < 2.93	BDL < 2.79	10	10	NE
Barium	**30.3**	**31**	**25.9**	**31.1**	**4.1**	**3.88**	**38.7**	**3.88**	4,700	140,000	NE
Cadmium	ND < 0.528	ND < 0.496	BDL < 0.451	BDL < 0.452	BDL < 0.458	BDL < 0.466	**0.605**	BDL < 0.465	34	1,000	NE
Chromium	**7.59**	**6.79**	**13.3**	**8.55**	**3.88**	**3.61**	**15.1**	**3.27**	3,900	51,000	NE
Lead	**4.53**	**6.48**	**72.3**	**97.6**	BDL < 1.37	BDL < 1.4	**241**	**1.57**	500	1000	NE
Selenium	ND < 3.25	ND < 2.98	BDL < 3.4	BDL < 2.71	BDL < 2.75	BDL < 2.79	BDL < 2.93	BDL < 2.79	340	10,000	NE
Silver	ND < 2.11	ND < 1.99	BDL < 1.8	BDL < 1.81	BDL < 1.83	BDL < 1.86	BDL < 1.95	BDL < 1.86	340	10,000	NE
Mercury	ND < 0.203	ND < 0.182	BDL < 0.172	BDL < 0.173	BDL < 0.184	BDL < 0.176	**0.582**	BDL < 0.169	20	610	NE
RCRA 8 METALS (mg/l) (TCLP Analysis)											
Arsenic	NA	NA	NA	NA	NA	NA	BDL < 0.015	NA	NE	NE	0.5
Barium	NA	NA	NA	NA	NA	NA	**0.918**	NA	NE	NE	10
Cadmium	NA	NA	NA	NA	NA	NA	**0.0052**	NA	NE	NE	0.05
Chromium	NA	NA	NA	NA	NA	NA	BDL < 0.005	NA	NE	NE	0.5
Lead	NA	NA	NA	NA	NA	NA	**0.822**	NA	NE	NE	0.15
Selenium	NA	NA	NA	NA	NA	NA	BDL < 0.015	NA	NE	NE	0.5
Silver	NA	NA	NA	NA	NA	NA	BDL < 0.010	NA	NE	NE	0.36
Mercury	NA	NA	NA	NA	NA	NA	BDL < 0.0004	NA	NE	NE	0.02
METALS (mg/l) (SPLP Analysis)											
Chromium	NA	NA	BDL < 0.005	BDL < 0.005	NA	NA	NA	NA	NE	NE	0.5
Lead	NA	NA	BDL < 0.0075	BDL < 0.0075	NA	NA	NA	NA	NE	NE	0.15
WASTE CHARACTERIZATION PARAMETERS											
pH (pH units)	NA	NA	NA	NA	NA	NA	7.52	NA	NE	NE	NE
Ignitability (pos/neg)	NA	NA	NA	NA	NA	NA	Negative	NA	NE	NE	NE
Reactive Cyanide (mg/kg)	NA	NA	NA	NA	NA	NA	BDL < 0.26	NA	NE	NE	NE
Reactive Sulfide (mg/kg)	NA	NA	NA	NA	NA	NA	BDL < 26	NA	NE	NE	NE

Notes:

(1) The prefix to all sample ID's is "JBD020329" as identified on the Chain of Custody and Laboratory Report.
(2) Bold indicates Analyte was detected
(3) Leachable PCBs (TCLP/SPLP)
(4) BDL = Below Detection Limit (laboratory detection limit noted)
RES DEC = Residential Direct Exposure Criteria
(*) GB Mobility criteria by TCLP or by SPLP in mg/l
NE = RSR criteria Not Established
I/C DEC = Industrial Commerical Direct Exposure Criteria
GB PMC = GB Pollutant Mobility Criteria

TABLE 4

SUMMARY OF GROUND WATER ANALYSES: VOCs, TOTAL METALS and PCBs

Reconstruction of I-95 over West River
Connecticut Department of Transportation
New Haven, Connecticut

Sample Location	MW-A	SWPC	RES VC	I/C VC
Field ID (1)	-01	(µg/l)	(µg/l)	(µg/l)
Sample Depth (ft)	Water Table			
VOLATILE ORGANIC COMPOUNDS (µg/l)				
Acetone	**130**	NE	50,000	50,000
Benzene	BDL < 1.0	710	215	530
Toluene	**1.8**	4,000,000	23,500	50,000
Ethylbenzene	BDL < 1.0	580,000	50,000	50,000
MTBE	BDL < 1.0	NE	50,000	50,000
m,p-Xylenes	BDL < 2.0	NE	NE	NE
o-Xylene	BDL < 1.0	NE	NE	NE
Xylenes (total)	BDL	NE	21,300	50,000
TOTAL RCRA 8 METALS (µg/l)				
Arsenic	BDL < 4	4	NE	NE
Barium	**162**	NE	NE	NE
Cadmium	**12.5**	6	NE	NE
Chromium	**17.3**	110 (6)	NE	NE
Lead	**332**	13	NE	NE
Mercury	BDL < 0.4	0.4	NE	NE
Selenium	BDL < 25	50	NE	NE
Silver	BDL < 5.0	12	NE	NE
POLYCHLORINATED BIPHENYLS (µg/l)				
PCB-1016	BDL < 0.2	0.5	NE	NE
PCB-1221	BDL < 0.2	0.5	NE	NE
PCB-1232	BDL < 0.2	0.5	NE	NE
PCB-1242	BDL < 0.2	0.5	NE	NE
PCB-1248	BDL < 0.2	0.5	NE	NE
PCB-1254	BDL < 0.2	0.5	NE	NE
PCB-1260	BDL < 0.2	0.5	NE	NE

Notes:

(1) Bold indicates analyte was detected

(2) BDL = Below Detection Limit (laboratory detection limit noted)

(3) Shaded areas reflect concentrations that exceeding RSR criteria

(4) NA = Not Analyzed for that parameter

(5) I/C DEC=Industrial Commerical Direct Exposure Criteria

(6) Hexavalent chromium

(7) NE = RSR criteria Not Established

(8) Leachable PCBs (TCLP/SPLP)

GB PMC = GB Pollutant Mobility Criteria

RES DEC = Residential Direct Exposure Criteria

APPENDIX A

BORING LOGS

BORING LOG

CONSULTING ENVIRONMENTAL ENGINEERS, INC.
100 Shield Street
West Hartford, Connecticut 06110

Boring No. B-1
Sheet 1 of 1

Job No. A 210 007 00	**Client:** Connecticut Department of Transportation		**Project Description:** Soil borings, soil sampling and environmental oversite, gauge and sample ground water if available in open boring.
Location: I-95 Interchange between exits 44 & 45, New Haven, CT	**Inspector:** Jonathon B. Drasdis, CEE		
Drilling Contractor: Associated Boring Company, Inc., Naugatuck, CT	**Driller:** Jaime Lloret, ABC, Inc.		**Elevation and Datum:** Not measured. Depths measured from ground surface.
Drilling Rig Type: Truck Mounted Rig, Model CME 45 B	**Size and Type of Bit:** 4 & 1/4" ID HSA		**Date Started:** 3/29/02 / **Date Completed:** 3/29/02
Sampler Type: Hollow-stem Auger with Split-spoon Sampler (2" OD / 1 & 5/8" ID)	**Hammer Weight:** 140 lbs.	**Drop:** 30"	**Total Depth:** 2.5 ft / **Water Level** Encountered -- / Stabilized --

Sample I.D.	Rec. (in.)	Blows / 6"	Depth (feet)	H_2O ▽	Description of Soils	OVM/PID Measurements and Remarks
					Hand dug through upper 6" of top soil	
JBD020329-14	12"/24"	2,2,3,5	1		Damp, brown, well-sorted, fine to medium SAND with some silt and organic materials present (Top Soil and Fill). No odor or staining present.	OVM = 0 ppm 10:50 AM (2) 8-oz.
			2			
			3		End of Boring @ 2.5 ft	
			4			
			5			
			6			
			7			
			8			
			9			
			10			
			11			
			12			
			13			
			14			
			15			
			16			
			17			
			18			
			19			
			20			
			21			
			22			

BORING LOG

CONSULTING ENVIRONMENTAL ENGINEERS, INC.
100 Shield Street
West Hartford, Connecticut 06110

Boring No. B-2
Sheet 1 of 1

Job No. A 210 007 00	**Client:** Connecticut Department of Transportation		**Project Description:** Soil borings, soil sampling and environmental oversite, gauge and sample ground water if available in open boring.
Location: I-95 Interchange between exits 44 & 45, New Haven, CT	**Inspector:** Jonathon B. Drasdis, CEE		
Drilling Contractor: Associated Boring Company, Inc., Naugatuck, CT	**Driller:** Jaime Lloret, ABC, Inc.		**Elevation and Datum:** Not measured. Depths measured from ground surface.
Drilling Rig Type: Truck Mounted Rig, Model CME 45 B	**Size and Type of Bit:** 4 & 1/4" ID HSA		**Date Started:** 3/29/02 / **Date Completed:** 3/29/02
Sampler Type: Hollow-stem Auger with Split-spoon Sampler (2" OD / 1 & 5/8" ID)	**Hammer Weight:** 140 lbs.	**Drop:** 30"	**Total Depth:** 2.5 ft / **Water Level** Encountered – / Stabilized –

Sample I.D.	Rec. (in.)	Blows / 6"	Depth (feet)	H_2O ∇	Description of Soils	OVM/PID Measurements and Remarks
					Hand dug through upper 6" of top soil	
JBD020329-13	12"/24"	2,2,5,5			Damp, dark brown, well-sorted, fine grained SAND with some silt and organic materials present (Top Soil over Fill). No odor or staining present.	OVM = 0 ppm 10:40 AM (2) 8-oz.
					End of Boring @ 2.5 ft	

Depth scale: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22

BORING LOG

CONSULTING ENVIRONMENTAL ENGINEERS, INC.
100 Shield Street
West Hartford, Connecticut 06110

Boring No. B-3
Sheet 1 of 1

Job No. A 210 007 00	**Client:** Connecticut Department of Transportation		**Project Description:** Soil borings, soil sampling and environmental oversite, gauge and sample ground water if available in open boring.	
Location: I-95 Interchange between exits 44 & 45, New Haven, CT	**Inspector:** Jonathon B. Drasdis, CEE			
Drilling Contractor: Associated Boring Company, Inc., Naugatuck, CT	**Driller:** Jaime Lloret, ABC, Inc.		**Elevation and Datum:** Not measured. Depths measured from ground surface.	
Drilling Rig Type: Truck Mounted Rig, Model CME 45 B	**Size and Type of Bit:** 4 & 1/4" ID HSA		**Date Started:** 3/29/02	**Date Completed:** 3/29/02
Sampler Type: Hollow-stem Auger with Split-spoon Sampler (2" OD / 1 & 5/8" ID)	**Hammer Weight:** 140 lbs.	**Drop:** 30"	**Total Depth:** 2.0 ft	**Water Level** Encountered -- / Stabilized --

Sample I.D.	Rec. (in.)	Blows / 6"	Depth (feet)	H_2O ▽	Description of Soils	OVM/PID Measurements and Remarks
JBD020329-12	16"/24"	2,3,5,10	1		Top 3" organic rich top soil. Damp, dark brown, moderately-sorted, fine to medium grained silty, organic-rich SAND (Top Soil and Fill). No odor or staining present.	OVM = 0 ppm 10:25 AM (2) 8-oz.
			2			
			3		End of Boring @ 2.0 ft	
			4			
			5			
			6			
			7			
			8			
			9			
			10			
			11			
			12			
			13			
			14			
			15			
			16			
			17			
			18			
			19			
			20			
			21			
			22			

BORING LOG

CONSULTING ENVIRONMENTAL ENGINEERS, INC.
100 Shield Street
West Hartford. Connecticut 06110

Boring No. B-4
Sheet 1 of 1

Job No. A 210 007 00	**Client:** Connecticut Department of Transportation		**Project Description:** Soil borings, soil sampling and environmental oversite, gauge and sample ground water if available in open boring.
Location: I-95 Interchange between exits 44 & 45, New Haven, CT	**Inspector:** Jonathon B. Drasdis, CEE		
Drilling Contractor: Associated Boring Company, Inc., Naugatuck, CT	**Driller:** Jaime Lloret, ABC, Inc.		**Elevation and Datum:** Not measured. Depths measured from ground surface.
Drilling Rig Type: Truck Mounted Rig, Model CME 45 B	**Size and Type of Bit:** 4 & 1/4" ID HSA		**Date Started:** 3/29/02 / **Date Completed:** 3/29/02
Sampler Type: Hollow-stem Auger with Split-spoon Sampler (2" OD / 1 & 5/8" ID)	**Hammer Weight:** 140 lbs.	**Drop:** 30"	**Total Depth:** 2.0 ft / **Water Level** Encountered -- / Stabilized --

Sample I.D.	Rec. (in.)	Blows / 6"	Depth (feet)	H_2O ∇	Description of Soils	OVM/PID Measurements and Remarks
JBD020329-02	12"/24"	2,5,11,17	1		Damp, brown, moderately well sorted, very fine to medium grained silty, SAND with some fine gravel and organic material near the upper 1" of soil (Top Soil and Fill). No odor or staining present.	OVM = 0 ppm 8:45 AM (1 & 1/2) 8-oz.
			2			
			3		End of Boring @ 2.0 ft	
			4			
			5			
			6			
			7			
			8			
			9			
			10			
			11			
			12			
			13			
			14			
			15			
			16			
			17			
			18			
			19			
			20			
			21			
			22			

BORING LOG

CONSULTING ENVIRONMENTAL ENGINEERS, INC.
100 Shield Street
West Hartford, Connecticut 06110

Boring No. B-5
Sheet 1 of 1

Job No. A 210 007 00	**Client:** Connecticut Department of Transportation		**Project Description:** Soil borings, soil sampling and environmental oversite, gauge and sample ground water if available in open boring.
Location: I-95 Interchange between exits 44 & 45, New Haven, CT	**Inspector:** Jonathon B. Drasdis, CEE		
Drilling Contractor: Associated Boring Company, Inc., Naugatuck, CT	**Driller:** Jaime Lloret, ABC, Inc.		**Elevation and Datum:** Not measured. Depths measured from ground surface.
Drilling Rig Type: Truck Mounted Rig, Model CME 45 B	**Size and Type of Bit:** 4 & 1/4" ID HSA		**Date Started:** 3/29/02 / **Date Completed:** 3/29/02
Sampler Type: Hollow-stem Auger with Split-spoon Sampler (2" OD / 1 & 5/8" ID)	**Hammer Weight:** 140 lbs.	**Drop:** 30"	**Total Depth:** 7.0 ft / **Water Level** Encountered -- / Stabilized --

Sample I.D.	Rec. (in.)	Blows / 6"	Depth (feet)	H_2O ∇	Description of Soils	OVM/PID Measurements and Remarks
			1		Hand dug through upper 12" of top soil such that three, 2 ft borings could be collected to a depth of 7 ft	
JBD020329-3	12"/24"	3,5,9,10	2		Damp, light brown, well-sorted, fine to medium SAND with a few fine to medium gravel (Fill). Organic-rich near upper 2". Mild odor, however, no staining present.	OVM = 2 ppm 8:55 AM (2) 8-oz.
			3			
JBD020329-4	14"/24"	5,8,11,12	4		Moist, light brown to gray, well-sorted, fine to medium SAND (Top Soil and Fill). No odor or staining present.	OVM = 0 ppm 9:00 AM (2) 8-oz.
			5			
JBD020329-5	14"/24"	9,10, 10,11	6		Top 10" Moist, light brown to gray, very well-sorted, fine grained SAND. Bottom 4" Moist, light brown to gray, well sorted medium grained SAND (Fill). No odor or staining present.	OVM = 0 ppm 9:05 AM (2) 8-oz.
			7			
			8		End of Boring @ 7.0 ft	
			9			
			10			
			11			
			12			
			13			
			14			
			15			
			16			
			17			
			18			
			19			
			20			
			21			
			22			

BORING LOG

CONSULTING ENVIRONMENTAL ENGINEERS, INC.
100 Shield Street
West Hartford, Connecticut 06110

Boring No. B-6
Sheet 1 of 1

Job No. A 210 007 00	**Client:** Connecticut Department of Transportation		**Project Description:** Soil borings, soil sampling and environmental oversite, gauge and sample ground water if available in open boring.
Location: I-95 Interchange between exits 44 & 45, New Haven, CT	**Inspector:** Jonathon B. Drasdis, CEE		
Drilling Contractor: Associated Boring Company, Inc., Naugatuck, CT	**Driller:** Jaime Lloret, ABC, Inc.		**Elevation and Datum:** Not measured. Depths measured from ground surface.
Drilling Rig Type: Truck Mounted Rig, Model CME 45 B	**Size and Type of Bit:** 4 & 1/4" ID HSA		**Date Started:** 3/29/02 / **Date Completed:** 3/29/02
Sampler Type: Hollow-stem Auger with Split-spoon Sampler (2" OD / 1 & 5/8" ID)	**Hammer Weight:** 140 lbs.	**Drop:** 30"	**Total Depth:** 7.0 ft / **Water Level** Encountered -- / Stabilized --

Sample I.D.	Rec. (in.)	Blows / 6"	Depth (feet)	H_2O ▽	Description of Soils	OVM/PID Measurements and Remarks
			1		Hand dug through upper 12" of top soil such that three, 2 ft borings could be collected to a depth of 7 ft	
JBD020329-6	12"/24"	3,5,5,5	2		Damp, light brown, well-sorted, medium SAND with some fine sand, gravel and small shells present (Top Soil and Fill). No odor or staining present.	OVM = 0 ppm 9:20 AM (2) 8-oz.
			3			
JBD020329-7	14"/24"	5,7,7,8	4		Moist, light brown with white speckled, well-sorted, fine to medium SAND with some small shell fragments pesent (Fill). No odor or staining present.	OVM = 0 ppm 9:25 AM (2) 8-oz.
			5			
JBD020329-8	14"/24"	4,5,5,7	6		Top 10" Moist, light brown to gray, very well-sorted, fine grained SAND. Bottom 4" Moist, light brown to gray, well sorted medium grained SAND (Fill). No odor or staining present.	OVM = 1 ppm 9:30 AM (2) 8-oz.
			7			
			8		End of Boring @ 7.0 ft	
			9			
			10			
			11			
			12			
			13			
			14			
			15			
			16			
			17			
			18			
			19			
			20			
			21			
			22			

BORING LOG

CONSULTING ENVIRONMENTAL ENGINEERS, INC.
100 Shield Street
West Hartford, Connecticut 06110

Boring No. B-7
Sheet 1 of 1

Job No. A 210 007 00	**Client:** Connecticut Department of Transportation		**Project Description:** Soil borings, soil sampling and environmental oversite, gauge and sample ground water if available in open boring.	
Location: I-95 Interchange between exits 44 & 45, New Haven, CT		**Inspector:** Jonathon B. Drasdis, CEE		
Drilling Contractor: Associated Boring Company, Inc., Naugatuck, CT		**Driller:** Jaime Lloret, ABC, Inc.	**Elevation and Datum:** Not measured. Depths measured from ground surface.	
Drilling Rig Type: Truck Mounted Rig, Model CME 45 B		**Size and Type of Bit:** 4 & 1/4" ID HSA	**Date Started:** 3/29/02	**Date Completed:** 3/29/02
Sampler Type: Hollow-stem Auger with Split-spoon Sampler (2" OD / 1 & 5/8" ID)		**Hammer Weight:** 140 lbs. / **Drop:** 30"	**Total Depth:** 10.5 ft	**Water Level** Encountered -- / Stabilized --

Sample I.D.	Rec. (in.)	Blows / 6"	Depth (feet)	H_2O ▽	Description of Soils	OVM/PID Measurements and Remarks
			1			
			2		Augered down through top soil and two feet of fill	
JBD020329-9	7"/24"	12,15, 28,24	3		Wet, brown, poorly-sorted, fine to coarse grained, silty SAND with some well-sorted gravel present (Top Soil and Fill). No odor or staining present.	OVM = 0 ppm 9:45 AM (2) 8-oz.
			4			
No Sample	15"/24"	10,10, 10,10	5		Wet, brown, poorly-sorted, fine to coarse grained, silty SAND with minor amounts of shell fragments present (Top Soil and Fill). No odor or staining present.	OVM = 0 ppm No Sample Collected
			6			
JBD020329-10	15"/24"	4,5,6,6	7		Top: Wet, brown, well-sorted, fine to medium grained SAND (Fill) seperating lower unit with sharp contact Bottom: Wet, brown, well sorted, medium to coarse grained SAND (Fill). No odor or staining present throughout.	OVM = 0 ppm 10:05 AM (2) 8-oz.
			8			
JBD020329-11	13"/24"	6,7,7,8	9		Damp, light tannish colored with rusty-yellowed layers (at 8.5-9.5 ft), very well-sorted, medium grained, washed SAND (Fill or possible relic stream channel). No odor or staining present. Some minor stratification visible.	OVM = 2 ppm 10:10 AM (2) 8-oz.
			10			
			11		End of Boring @ 10.5 ft	
			12			
			13			
			14			
			15			
			16			
			17			
			18			
			19			
			20			
			21			
			22			

BORING LOG

CONSULTING ENVIRONMENTAL ENGINEERS, INC.
100 Shield Street
West Hartford, Connecticut 06110

Boring No. B-8
Sheet 1 of 1

Job No. A 210 007 00	**Client:** Connecticut Department of Transportation		**Project Description:** Soil borings, soil sampling and environmental oversite, gauge and sample ground water if available in open boring.
Location: I-95 Interchange between exits 44 & 45, New Haven, CT	**Inspector:** Jonathon B. Drasdis, CEE		
Drilling Contractor: Associated Boring Company, Inc., Naugatuck, CT	**Driller:** Jaime Lloret, ABC, Inc.		**Elevation and Datum:** Not measured. Depths measured from ground surface.
Drilling Rig Type: Truck Mounted Rig, Model CME 45 B	**Size and Type of Bit:** 4 & 1/4" ID HSA		**Date Started:** 3/29/02 / **Date Completed:** 3/29/02
Sampler Type: Hollow-stem Auger with Split-spoon Sampler (2" OD / 1 & 5/8" ID)	**Hammer Weight:** 140 lbs.	**Drop:** 30"	**Total Depth:** 2.0 ft / **Water Level** Encountered -- / Stabilized --

Sample I.D.	Rec. (in.)	Blows / 6"	Depth (feet)	H_2O ▽	Description of Soils	OVM/PID Measurements and Remarks
JBD020329-15	12"/24"	2,3,5,5	1		Damp, brown to dark brown, moderately-sorted, fine to coarse grained SAND with some organics throughout (Top Soil). No staining or odor present.	OVM = 0 ppm 11:30 AM (2) 8-oz.
			2			
			3		End of Boring @ 2.0 ft	
			4			
			5			
			6			
			7			
			8			
			9			
			10			
			11			
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			21			
			22			

BORING LOG

CONSULTING ENVIRONMENTAL ENGINEERS, INC.
100 Shield Street
West Hartford, Connecticut 06110

Boring No. B-9
Sheet 1 of 1

Job No. A 210 007 00	**Client:** Connecticut Department of Transportation			**Project Description:** Soil borings, soil sampling and environmental oversite, gauge and sample ground water if available in open boring.	
Location: I-95 Interchange between exits 44 & 45, New Haven, CT		**Inspector:** Jonathon B. Drasdis, CEE			
Drilling Contractor: Associated Boring Company, Inc., Naugatuck, CT		**Driller:** Jaime Lloret, ABC, Inc.		**Elevation and Datum:** Not measured. Depths measured from ground surface.	
Drilling Rig Type: Truck Mounted Rig, Model CME 45 B		**Size and Type of Bit:** 4 & 1/4" ID HSA		**Date Started:** 3/29/02	**Date Completed:** 3/29/02
Sampler Type: Hollow-stem Auger with Split-spoon Sampler (2" OD / 1 & 5/8" ID)		**Hammer Weight:** 140 lbs.	**Drop:** 30"	**Total Depth:** 2.0 ft	**Water Level** Encountered -- / Stabilized --

Sample I.D.	Rec. (in.)	Blows / 6"	Depth (feet)	H_2O ∇	Description of Soils	OVM/PID Measurements and Remarks
JBD020329-19	13"/24"	2,3,5,5	1		Damp, light brown to dark brown, well-sorted, washed, medium to coarse grained SAND with monor amounts of iron oxide stringer staining (Fill). . No odor present, yet, some discoloration present.	OVM = 0 ppm 1:00 PM (2) 8-oz.
			2			
			3		End of Boring @ 2.0 ft	
			4			
			5			
			6			
			7			
			8			
			9			
			10			
			11			
			12			
			13			
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			21			
			22			

BORING LOG

CONSULTING ENVIRONMENTAL ENGINEERS, INC.
100 Shield Street
West Hartford, Connecticut 06110

Boring No. B-10
Sheet 1 of 1

Job No. A 210 007 00	**Client:** Connecticut Department of Transportation		**Project Description:** Soil borings, soil sampling and environmental oversite, gauge and sample ground water if available in open boring.
Location: I-95 Interchange between exits 44 & 45, New Haven, CT		**Inspector:** Jonathon B. Drasdis, CEE	
Drilling Contractor: Associated Boring Company, Inc., Naugatuck, CT		**Driller:** Jaime Lloret, ABC, Inc.	**Elevation and Datum:** Not measured. Depths measured from ground surface.
Drilling Rig Type: Truck Mounted Rig, Model CME 45 B		**Size and Type of Bit:** 4 & 1/4" ID HSA	**Date Started:** 3/29/02 / **Date Completed:** 3/29/02
Sampler Type: Hollow-stem Auger with Split-spoon Sampler (2" OD / 1 & 5/8" ID)		**Hammer Weight:** 140 lbs. / **Drop:** 30"	**Total Depth:** 5.0 ft / **Water Level** Encountered -- / Stabilized --

Sample I.D.	Rec. (in.)	Blows / 6"	Depth (feet)	H_2O ▽	Description of Soils	OVM/PID Measurements and Remarks
			1		Hand dug through upper 12" of top soil	
JBD020329-16	15"/24"	2,3,5,6	2		Damp, light gray, well-sorted, medium to coarse SAND with some fine pebbles (Fill). No odor or staining present.	OVM = 0 ppm 11:45 AM (2) 8-oz.
			3			
JBD020329-17	14"/24"	6,6,4,6	4		Damp, light gray, well-sorted, medium to coarse grained SAND with a few small pebbles (Fill). No odor or staining present.	OVM = 0 ppm 12:15 PM (1 & 1/2) 8-oz.
			5			
			6		End of Boring @ 5.0 ft	
			7			
			8			
			9			
			10			
			11			
			12			
			13			
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			20			
			21			
			22			

BORING LOG

CONSULTING ENVIRONMENTAL ENGINEERS, INC.
100 Shield Street
West Hartford, Connecticut 06110

Boring No. B-11
Sheet 1 of 1

Job No. A 210 007 00	**Client:** Connecticut Department of Transportation		**Project Description:** Soil borings, soil sampling and environmental oversite, gauge and sample ground water if available in open boring.
Location: I-95 Interchange between exits 44 & 45, New Haven, CT	**Inspector:** Jonathon B. Drasdis, CEE		
Drilling Contractor: Associated Boring Company, Inc., Naugatuck, CT	**Driller:** Jaime Lloret, ABC, Inc.		**Elevation and Datum:** Not measured. Depths measured from ground surface.
Drilling Rig Type: Truck Mounted Rig, Model CME 45 B	**Size and Type of Bit:** 4 & 1/4" ID HSA		**Date Started:** 3/29/02 / **Date Completed:** 3/29/02
Sampler Type: Hollow-stem Auger with Split-spoon Sampler (2" OD / 1 & 5/8" ID)	**Hammer Weight:** 140 lbs.	**Drop:** 30"	**Total Depth:** 2.0 ft / **Water Level** Encountered -- / Stabilized --

Sample I.D.	Rec. (in.)	Blows / 6"	Depth (feet)	H_2O ▽	Description of Soils	OVM/PID Measurements and Remarks
JBD020329-18	18"/24"	5,5,7,8	1		Dry, dark brown to black and yellow-orange streaked, poorly-sorted, fine SAND and SILT mixed with sandy GRAVEL. Some pebbles and reworked road debris (Fill and Asphalt mixed). No odor present, yet, some discoloration present.	OVM = 6 ppm 10:25 AM (2) 8-oz.
			2			
			3		End of Boring @ 2.0 ft	
			4			
			5			
			6			
			7			
			8			
			9			
			10			
			11			
			12			
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			20			
			21			
			22			

APPENDIX B

GROUND WATER FIELD DATA SHEET

MONITORING WELL FIELD DATA SHEET

CEE CONSULTING ENVIRONMENTAL ENGINEERS, INC.

Project Name: West River Bridge	Monitoring Well I.D.	Sample Number
Project Location:		
Project Number: A211 007 00	MW-A (former well)	JBD020329-01

Well Measurement Data

Date: 3/29/02 Time: 8:05

	Depth(ft.)	+Corr.	=True DTW
Depth to Water	8.54	+ —	= 8.54
Depth to Bottom *	10.33	+ —	= —

Measure Device: Fiberglass Tape / Sinco / Other _____

Measure Point: TPS / PVC / Other _____

Well Diameter (in.): 2 3 4 6 8 Other _____

Sampler(s): JBD

Weather: 45°, cloudy

Purge Vol. Conversions (ft.)		
Diam.	Equiv.	x3 Well Vol.
2	0.16	0.48
3	0.37	1.11
4	0.65	1.95
6	1.47	4.41
8	2.61	7.83

Purge Volume Calculation

H_2O Col. Hgt: _____ (feet)

x3 Well Vol.: x _____

Vol. To Purge: = _____ (gal.)

Comments: Could not purge well as bailer would not reach past water table by more than 6"-12".

Well Condition Inspection

General Condition: Good / Fair / Needs Repair

Outside

Steel Casing: OK / Bent / Damaged / None

Well Cap: Good / Broken / Rusted / None

Well I.D.: Visible / Illegible / None

Cement Collar: OK / Cracked / Heaved / None

Lock: Good / Broken / Rusted / None

Ponding Around Well? Yes / No / Seasonal

Comments:

Inside

PVC Casing: OK / Bent Slightly / Damaged / None

Is PVC Plumb? Yes / No

H_2O between PVC and Steel? Yes / No

Evidence of: Bees, Wasps / Spiders / Rodents / None

For Flush-Mounted Curb Box Only:

Screw: 1/2" / 9/16" / 7/16" / 5/8" / Pent / Screwless / None

Rubber Gasket: OK / Damaged / None

Purge Data

Purge device: Dedicated / Nondedicated

Device Type: Bailer / Peristaltic Pump / Submersible Pump / Other _____

Well Recharge: High / Moderate / Low / Dry

Comments: Could not purge

Start Purge Time: _____

Stop Purge Time: _____

Total Purge Time: _____ (minutes)

Pump Rate: _____ (Lpm / gpm)

Volume Purged: _____ (gallons)

Sample Data

Date: 3/29/02 Time: 8:20 Sampler: JBD Approx. Sample Depth: 9 ft

Sampling Method: Grab / Bailer / Peristaltic / Submersible / Other _____

Bailer Type: SS 2" / SS 1" / Teflon 2" / Point Source 2" / SS Stubby 0.75" / SS Micro 0.30"

Bailer Cord: Dedicated / Nondedicated

Field Decontamination: Bailer / Moody Filter / Pump Tubing / None Other new bailer

Appearance: Color: Clear / Grey / Orange / Yellow / Brown / Black / Other changed color w/ each bailer-full

Odor: None / Musty / Septic / Hydrocarbon / Solvent / Acrid / Other _____

Turbidity: Clear / Silty (slightly / very) / Sandy (slightly / very) / Other _____

Product: None / Sheen (Organic / Hydrocarbon / light / heavy) / Thickness _____

Comments:

took 3 sample attempts as very little standing water was available in well. Began sampling at 8:20 am, Finished at 1:00 pm

Field Parameters

pH (units)	Temp. (°C)	DO (mg/l)	Conductivity (umhos)

Sample Containers

container	quantity	preservative	parameter
VOA	2	HCl	VOCs + MTBE
Plastic	1	HNO_3	Total Metals
Amber	1	NONE	PCBs

Comments: Not enough water available to collect field parameters

APPENDIX C

LABORATORY REPORT
SOIL AND GROUND WATER ANALYSES

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Massachusetts Certification # M-MA138
Rhode Island # 98 Maine # MA138
Florida # E87600 / 87562
New Hampshire # 2538
Connecticut # PH-0777
New York # 11393

ACCREDITED IN ACCORDANCE WITH nelac

RECEIVED
APR 2 6 2002
CONSULTING ENVIRONMENTAL ENGINEERS, INC.

Consulting Environmental
100 Shield Street
West Hartford, CT 06110

Attn: Bill Jackson

Thursday, April 18, 2002

Report Status:
- ☐ Final Report
- ☐ Re-issued Report
- ☑ Revised Report

Client Project Number:

Location: West River Bridge - CT

Laboratory ID	Client Sample ID	Analyses Requested
AD06289	JBD020329-14	VOCs by GC/MS
		VOC Extraction (solid)
		Extractable TPH
		Ultrasonic Extraction
		PAHs by GC/MS
		Ultrasonic Extraction
		Metals Digestion
		Mercury Digestion
		Total RCRA8 Metals
		Total Mercury
		% Solids
		SPLP Chromium
		SPLP Lead
		SPLP Extraction for Metals
		Metals Digestion on Leachate
AD06290	JBD020329-13	VOCs by GC/MS
		VOC Extraction (solid)
		Extractable TPH
		Ultrasonic Extraction
		PAHs by GC/MS
		Ultrasonic Extraction
		Metals Digestion
		Mercury Digestion
		Total RCRA8 Metals
		Total Mercury
		% Solids

ENVIRONMENTAL ANALYSES

11 Almgren Drive • Agawam, Massachusetts 01001 • 1-800-789-9115 • 413-789-9018 • Fax 413-789-4076

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Client Project Number: **Location:** West River Bridge - CT

Laboratory ID	Client Sample ID	Analyses Requested
AD06291	JBD020329-12	VOCs by GC/MS
		VOC Extraction (solid)
		Extractable TPH
		Ultrasonic Extraction
		PAHs by GC/MS
		Ultrasonic Extraction
		Metals Digestion
		Mercury Digestion
		Total RCRA8 Metals
		Total Mercury
		% Solids
AD06292	JBD020329-02	VOCs by GC/MS
		VOC Extraction (solid)
		Extractable TPH
		Ultrasonic Extraction
		PAHs by GC/MS
		Ultrasonic Extraction
		Metals Digestion
		Mercury Digestion
		Total RCRA8 Metals
		Total Mercury
		% Solids
		Polychlorinated Biphenyls by GC
		TCLP Extraction for Metals
		Mercury Digestion on Leachate
		TCLP RCRA8 Metals
		TCLP Mercury
		pH
		Ignitability of Solids
		Reactivity - Cyanide/Sulfide
		SPLP Extraction for SVOCs
		Separatory Funnel Extraction on
		SPLP Polychlorinated Biphenyls
		Metals Digestion on Leachate
AD06293	JBD020329-03	VOCs by GC/MS

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Client Project Number: **Location:** West River Bridge - CT

Laboratory ID	Client Sample ID	Analyses Requested
AD06293	JBD020329-03	VOC Extraction (solid)
		Extractable TPH
		Ultrasonic Extraction
		PAHs by GC/MS
		Ultrasonic Extraction
		Metals Digestion
		Mercury Digestion
		Total RCRA8 Metals
		Total Mercury
		% Solids
		TCLP Extraction for Metals
		Mercury Digestion on Leachate
		TCLP RCRA8 Metals
		TCLP Mercury
		pH
		Ignitability of Solids
		Reactivity - Cyanide/Sulfide
		Metals Digestion on Leachate
AD06294	JBD020329-05	VOCs by GC/MS
		VOC Extraction (solid)
		Extractable TPH
		Ultrasonic Extraction
		Metals Digestion
		Mercury Digestion
		Total RCRA8 Metals
		Total Mercury
		% Solids
AD06295	JBD020329-06	VOCs by GC/MS
		VOC Extraction (solid)
		Extractable TPH
		Ultrasonic Extraction
		Metals Digestion
		Mercury Digestion
		Total RCRA8 Metals
		Total Mercury

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Client Project Number: **Location:** West River Bridge - CT

Laboratory ID	Client Sample ID	Analyses Requested
AD06295	JBD020329-06	% Solids
AD06296	JBD020329-08	VOCs by GC/MS
		VOC Extraction (solid)
		Extractable TPH
		Ultrasonic Extraction
		PAHs by GC/MS
		Ultrasonic Extraction
		Metals Digestion
		Mercury Digestion
		Total RCRA8 Metals
		Total Mercury
		% Solids
		Polychlorinated Biphenyls by GC
AD06297	JBD020329-09	VOCs by GC/MS
		VOC Extraction (solid)
		Extractable TPH
		Ultrasonic Extraction
		Metals Digestion
		Mercury Digestion
		Total RCRA8 Metals
		Total Mercury
		% Solids
AD06298	JBD020329-10	VOCs by GC/MS
		VOC Extraction (solid)
		Extractable TPH
		Ultrasonic Extraction
		Metals Digestion
		Mercury Digestion
		Total RCRA8 Metals
		Total Mercury
		% Solids
AD06299	JBD020329-11	VOCs by GC/MS
		VOC Extraction (solid)
		Extractable TPH
		Ultrasonic Extraction

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Client Project Number: **Location:** West River Bridge - CT

Laboratory ID	Client Sample ID	Analyses Requested
AD06299	JBD020329-11	PAHs by GC/MS
		Ultrasonic Extraction
		Metals Digestion
		Mercury Digestion
		Total RCRA8 Metals
		Total Mercury
		% Solids
		Polychlorinated Biphenyls by GC
AD06300	JBD020329-15	VOCs by GC/MS
		VOC Extraction (solid)
		Extractable TPH
		Ultrasonic Extraction
		PAHs by GC/MS
		Ultrasonic Extraction
		Metals Digestion
		Mercury Digestion
		Total RCRA8 Metals
		Total Mercury
		% Solids
		SPLP Chromium
		SPLP Lead
		SPLP Extraction for Metals
		Metals Digestion on Leachate
AD06301	JBD020329-19	VOCs by GC/MS
		VOC Extraction (solid)
		Extractable TPH
		Ultrasonic Extraction
		PAHs by GC/MS
		Ultrasonic Extraction
		Metals Digestion
		Mercury Digestion
		Total RCRA8 Metals
		Total Mercury
		% Solids
		Polychlorinated Biphenyls by GC

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Client Project Number: **Location:** West River Bridge - CT

Laboratory ID	Client Sample ID	Analyses Requested
AD06301	JBD020329-19	VOC Matrix Spike Recovery
		Duplicate VOC Matrix Spike Rec
AD06302	JBD020329-16	VOCs by GC/MS
		VOC Extraction (solid)
		Extractable TPH
		Ultrasonic Extraction
		Metals Digestion
		Mercury Digestion
		Total RCRA8 Metals
		Total Mercury
		% Solids
AD06303	JBD020329-17	VOCs by GC/MS
		VOC Extraction (solid)
		Extractable TPH
		Ultrasonic Extraction
		PAHs by GC/MS
		Ultrasonic Extraction
		Metals Digestion
		Mercury Digestion
		Total RCRA8 Metals
		Total Mercury
		% Solids
AD06304	JBD020329-18	VOCs by GC/MS
		VOC Extraction (solid)
		Extractable TPH
		Ultrasonic Extraction
		PAHs by GC/MS
		Ultrasonic Extraction
		Metals Digestion
		Mercury Digestion
		Total RCRA8 Metals
		Total Mercury
		% Solids
		Polychlorinated Biphenyls by GC
		TCLP Extraction for Metals

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Client Project Number: **Location:** West River Bridge - CT

Laboratory ID	Client Sample ID	Analyses Requested
AD06304	JBD020329-18	Mercury Digestion on Leachate
		TCLP RCRA8 Metals
		TCLP Mercury
		pH
		Ignitability of Solids
		Reactivity - Cyanide/Sulfide
		Metals Digestion on Leachate
		Metals Matrix Spike
AD06305	JBD020329-01	VOCs by GC/MS
		Metals Digestion
		Mercury Digestion
		Total RCRA8 Metals
		Total Mercury
		Polychlorinated Biphenyls by GC
		Separatory Funnel Extraction

I attest that all information contained within this report has been reviewed for accuracy and checked against all quality control requirements outlined in each applicable method and meet the requirements of NELAC including any data obtained from a subcontract laboratory. Please note that all solid matrix sample results are calculated on a dry weight basis unless otherwise specified.

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Authorized by

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

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SPECTRUM ANALYTICAL, INC.

Laboratory Report

Location: West River Bridge - CT
Client: CEE
Lab ID No: AD06289
Client Id: JBD020329-14

Client Project No:
Submittal Date: 4/1/2002
Collection Date: 3/29/2002
Matrix Soil

Parameter	Results	Units	PQL	Start Date	Analyst	Method
VOC Preparation						
VOC Extraction (solid)	Lab ext			4/3/2002	AS	SW846 5035
Volatile Organic Compounds						
VOCs by GC/MS						
Acetone	Below det lim	ug/Kg	240	4/4/2002	KW	SW846 8260B
Acrylonitrile	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
Benzene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
Bromobenzene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
Bromochloromethane	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
Bromodichloromethane	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
Bromoform	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
Bromomethane	Below det lim	ug/Kg	24.0	4/4/2002	KW	SW846 8260B
2-Butanone (MEK)	Below det lim	ug/Kg	120	4/4/2002	KW	SW846 8260B
n-Butylbenzene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
sec-Butylbenzene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
tert-Butylbenzene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
Carbon disulfide	Below det lim	ug/Kg	60.0	4/4/2002	KW	SW846 8260B
Carbon tetrachloride	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
Chlorobenzene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
Chloroethane	Below det lim	ug/Kg	24.0	4/4/2002	KW	SW846 8260B
Chloroform	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
Chloromethane	Below det lim	ug/Kg	24.0	4/4/2002	KW	SW846 8260B
2-Chlorotoluene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
4-Chlorotoluene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	Below det lim	ug/Kg	24.0	4/4/2002	KW	SW846 8260B
Dibromochloromethane	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
1,2-Dibromoethane (EDB)	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
Dibromomethane	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
1,2-Dichlorobenzene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
1,3-Dichlorobenzene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
1,4-Dichlorobenzene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
Dichlorodifluoromethane	Below det lim	ug/Kg	24.0	4/4/2002	KW	SW846 8260B
1,1-Dichloroethane	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
1,2-Dichloroethane	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
1,1-Dichloroethene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
cis-1,2-Dichloroethene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B

Lab ID No: AD06289 **Collection Date:** 3/29/2002
Client Id: JBD020329-14 **Matrix** Soil

Parameter	Results	Units	PQL	Start Date	Analyst	Method
trans-1,2-Dichloroethene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
1,2-Dichloropropane	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
1,3-Dichloropropane	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
2,2-Dichloropropane	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
1,1-Dichloropropene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
cis-1,3-Dichloropropene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
trans-1,3-Dichloropropene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
Ethylbenzene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
Hexachlorobutadiene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
2-Hexanone (MBK)	Below det lim	ug/Kg	120	4/4/2002	KW	SW846 8260B
Isopropylbenzene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
4-Isopropyltoluene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
Methyl-tert-butyl ether (MTBE)	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
4-Methyl-2-pentanone (MIBK)	Below det lim	ug/Kg	120	4/4/2002	KW	SW846 8260B
Methylene chloride	Below det lim	ug/Kg	18.0	4/4/2002	KW	SW846 8260B
Naphthalene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
n-Propylbenzene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
Styrene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
1,1,1,2-Tetrachloroethane	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
1,1,2,2-Tetrachloroethane	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
Tetrachloroethene (PCE)	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
Toluene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
1,2,3-Trichlorobenzene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
1,2,4-Trichlorobenzene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
1,1,1-Trichloroethane	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
1,1,2-Trichloroethane	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
Trichloroethene (TCE)	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
Trichlorofluoromethane	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
1,2,3-Trichloropropane	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
1,2,4-Trimethylbenzene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
1,3,5-Trimethylbenzene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
Vinyl chloride	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
m,p-Xylenes	Below det lim	ug/Kg	24.0	4/4/2002	KW	SW846 8260B
o-Xylene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
4-Bromofluorobenzene (%SR)	93	ug/Kg	0.000	4/4/2002	KW	SW846 8260B
1,4-Difluorobenzene (%SR)	98	ug/Kg	0.000	4/4/2002	KW	SW846 8260B
Chlorobenzene-d5 (%SR)	94	ug/Kg	0.000	4/4/2002	KW	SW846 8260B
TPH Preparation						
Ultrasonic Extraction	Completed			4/3/2002	RT	SW846 3550B

Petroleum Hydrocarbon Analysis
Extractable TPH

Lab ID No: AD06289 **Collection Date:** 3/29/2002
Client Id: JBD020329-14 **Matrix** Soil

Parameter	Results	Units	PQL	Start Date	Analyst	Method
Total Petroleum Hydrocarbons (C9-C36)	Below det lim	mg/Kg	10	4/5/2002	JD	CT ETPH
Gasoline	Below det lim	mg/Kg	10	4/5/2002	JD	CT ETPH
Fuel Oil #2	Below det lim	mg/Kg	10	4/5/2002	JD	CT ETPH
Fuel Oil #4	Below det lim	mg/Kg	10	4/5/2002	JD	CT ETPH
Fuel Oil #6	Below det lim	mg/Kg	10	4/5/2002	JD	CT ETPH
Motor Oil	Below det lim	mg/Kg	10	4/5/2002	JD	CT ETPH
Aviation Fuel	Below det lim	mg/Kg	10	4/5/2002	JD	CT ETPH
Unidentified	Below det lim	mg/Kg	10	4/5/2002	JD	CT ETPH
Other Oil	Below det lim	mg/Kg	10	4/5/2002	JD	CT ETPH
1-Chloro-octadecane (%SR)	77	mg/Kg	0.	4/5/2002	JD	CT ETPH
SVOC Preparation						
Ultrasonic Extraction	Completed			4/3/2002	RT	SW846 3550B
Semivolatile Organic Compounds						
PAHs by GC/MS						
Naphthalene	Below det lim	ug/Kg	142	4/5/2002	MSL	SW846 8270C
2-Methylnaphthalene	Below det lim	ug/Kg	142	4/5/2002	MSL	SW846 8270C
1-Methylnaphthalene	Below det lim	ug/Kg	142	4/5/2002	MSL	SW846 8270C
Acenaphthylene	Below det lim	ug/Kg	142	4/5/2002	MSL	SW846 8270C
Acenaphthene	Below det lim	ug/Kg	142	4/5/2002	MSL	SW846 8270C
Fluorene	Below det lim	ug/Kg	142	4/5/2002	MSL	SW846 8270C
Phenanthrene	Below det lim	ug/Kg	142	4/5/2002	MSL	SW846 8270C
Anthracene	Below det lim	ug/Kg	142	4/5/2002	MSL	SW846 8270C
Fluoranthene	Below det lim	ug/Kg	142	4/5/2002	MSL	SW846 8270C
Pyrene	Below det lim	ug/Kg	142	4/5/2002	MSL	SW846 8270C
Benzo (a) anthracene	Below det lim	ug/Kg	142	4/5/2002	MSL	SW846 8270C
Chrysene	Below det lim	ug/Kg	142	4/5/2002	MSL	SW846 8270C
Benzo (b) fluoranthene	Below det lim	ug/Kg	142	4/5/2002	MSL	SW846 8270C
Benzo (k) fluoranthene	Below det lim	ug/Kg	142	4/5/2002	MSL	SW846 8270C
Benzo (a) pyrene	Below det lim	ug/Kg	142	4/5/2002	MSL	SW846 8270C
Indeno (1,2,3-cd) pyrene	Below det lim	ug/Kg	142	4/5/2002	MSL	SW846 8270C
Dibenzo (a,h) anthracene	Below det lim	ug/Kg	142	4/5/2002	MSL	SW846 8270C
Benzo (g,h,i) perylene	Below det lim	ug/Kg	142	4/5/2002	MSL	SW846 8270C
2-Fluorobiphenyl (%SR)	64	ug/Kg	0.000	4/5/2002	MSL	SW846 8270C
Terphenyl-d14 (%SR)	87	ug/Kg	0.000	4/5/2002	MSL	SW846 8270C
Metals Preparation						
Mercury Digestion	Completed			4/4/2002	LFR	EPA 245.1
Metals Digestion	Completed			4/4/2002	LFR	EPA 200.7
Metals Digestion on Leachate	Completed			4/17/2002	LK	EPA 200.7
Metals Analysis						

Lab ID No: AD06289 **Collection Date:** 3/29/2002
Client Id: JBD020329-14 **Matrix** Soil

Parameter	Results	Units	PQL	Start Date	Analyst	Method
SPLP Chromium	Below det lim	mg/L	0.005	4/17/2002	KSR	1312/200.7
SPLP Lead	Below det lim	mg/L	0.0075	4/17/2002	KSR	1312/200.7
Total RCRA8 Metals						
Total Arsenic	Below det lim	mg/Kg	2.71	4/6/2002	REC	EPA 200.7
Total Barium	25.9	mg/Kg	0.902	4/6/2002	REC	EPA 200.7
Total Cadmium	Below det lim	mg/Kg	0.451	4/6/2002	REC	EPA 200.7
Total Chromium	13.3	mg/Kg	0.902	4/6/2002	REC	EPA 200.7
Total Lead	72.3	mg/Kg	1.35	4/6/2002	REC	EPA 200.7
Total Selenium	Below det lim	mg/Kg	3.40	4/6/2002	REC	EPA 200.7
Total Silver	Below det lim	mg/Kg	1.80	4/6/2002	REC	EPA 200.7
Total Mercury	Below det lim	mg/Kg	0.172	4/5/2002	EPC	EPA 245.1
TCLP/SPLP Preparation						
SPLP Extraction for Metals	Completed			4/15/2002	HB	SW846 1312
% Solids	94.2	%		4/3/2002	RT	SM2540 B Mod

Lab ID No: AD06290 **Collection Date:** 3/29/2002
Client Id: JBD020329-13 **Matrix** Soil

Parameter	Results	Units	PQL	Start Date	Analyst	Method
VOC Preparation						
VOC Extraction (solid)	Lab ext			4/3/2002	AS	SW846 5035
Volatile Organic Compounds						
VOCs by GC/MS						
Acetone	Below det lim	ug/Kg	280	4/4/2002	KW	SW846 8260B
Acrylonitrile	Below det lim	ug/Kg	14.0	4/4/2002	KW	SW846 8260B
Benzene	Below det lim	ug/Kg	14.0	4/4/2002	KW	SW846 8260B
Bromobenzene	Below det lim	ug/Kg	14.0	4/4/2002	KW	SW846 8260B
Bromochloromethane	Below det lim	ug/Kg	14.0	4/4/2002	KW	SW846 8260B
Bromodichloromethane	Below det lim	ug/Kg	14.0	4/4/2002	KW	SW846 8260B
Bromoform	Below det lim	ug/Kg	14.0	4/4/2002	KW	SW846 8260B
Bromomethane	Below det lim	ug/Kg	28.0	4/4/2002	KW	SW846 8260B
2-Butanone (MEK)	Below det lim	ug/Kg	140	4/4/2002	KW	SW846 8260B
n-Butylbenzene	Below det lim	ug/Kg	14.0	4/4/2002	KW	SW846 8260B
sec-Butylbenzene	Below det lim	ug/Kg	14.0	4/4/2002	KW	SW846 8260B
tert-Butylbenzene	Below det lim	ug/Kg	14.0	4/4/2002	KW	SW846 8260B
Carbon disulfide	Below det lim	ug/Kg	70.0	4/4/2002	KW	SW846 8260B
Carbon tetrachloride	Below det lim	ug/Kg	14.0	4/4/2002	KW	SW846 8260B
Chlorobenzene	Below det lim	ug/Kg	14.0	4/4/2002	KW	SW846 8260B
Chloroethane	Below det lim	ug/Kg	28.0	4/4/2002	KW	SW846 8260B
Chloroform	Below det lim	ug/Kg	14.0	4/4/2002	KW	SW846 8260B
Chloromethane	Below det lim	ug/Kg	28.0	4/4/2002	KW	SW846 8260B
2-Chlorotoluene	Below det lim	ug/Kg	14.0	4/4/2002	KW	SW846 8260B
4-Chlorotoluene	Below det lim	ug/Kg	14.0	4/4/2002	KW	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	Below det lim	ug/Kg	28.0	4/4/2002	KW	SW846 8260B
Dibromochloromethane	Below det lim	ug/Kg	14.0	4/4/2002	KW	SW846 8260B
1,2-Dibromoethane (EDB)	Below det lim	ug/Kg	14.0	4/4/2002	KW	SW846 8260B
Dibromomethane	Below det lim	ug/Kg	14.0	4/4/2002	KW	SW846 8260B
1,2-Dichlorobenzene	Below det lim	ug/Kg	14.0	4/4/2002	KW	SW846 8260B
1,3-Dichlorobenzene	Below det lim	ug/Kg	14.0	4/4/2002	KW	SW846 8260B
1,4-Dichlorobenzene	Below det lim	ug/Kg	14.0	4/4/2002	KW	SW846 8260B
Dichlorodifluoromethane	Below det lim	ug/Kg	28.0	4/4/2002	KW	SW846 8260B
1,1-Dichloroethane	Below det lim	ug/Kg	14.0	4/4/2002	KW	SW846 8260B
1,2-Dichloroethane	Below det lim	ug/Kg	14.0	4/4/2002	KW	SW846 8260B
1,1-Dichloroethene	Below det lim	ug/Kg	14.0	4/4/2002	KW	SW846 8260B
cis-1,2-Dichloroethene	Below det lim	ug/Kg	14.0	4/4/2002	KW	SW846 8260B
trans-1,2-Dichloroethene	Below det lim	ug/Kg	14.0	4/4/2002	KW	SW846 8260B
1,2-Dichloropropane	Below det lim	ug/Kg	14.0	4/4/2002	KW	SW846 8260B
1,3-Dichloropropane	Below det lim	ug/Kg	14.0	4/4/2002	KW	SW846 8260B
2,2-Dichloropropane	Below det lim	ug/Kg	14.0	4/4/2002	KW	SW846 8260B
1,1-Dichloropropene	Below det lim	ug/Kg	14.0	4/4/2002	KW	SW846 8260B

Lab ID No: AD06290 **Collection Date:** 3/29/2002
Client Id: JBD020329-13 **Matrix** Soil

Parameter	Results	Units	PQL	Start Date	Analyst	Method
cis-1,3-Dichloropropene	Below det lim	ug/Kg	14.0	4/4/2002	KW	SW846 8260B
trans-1,3-Dichloropropene	Below det lim	ug/Kg	14.0	4/4/2002	KW	SW846 8260B
Ethylbenzene	Below det lim	ug/Kg	14.0	4/4/2002	KW	SW846 8260B
Hexachlorobutadiene	Below det lim	ug/Kg	14.0	4/4/2002	KW	SW846 8260B
2-Hexanone (MBK)	Below det lim	ug/Kg	140	4/4/2002	KW	SW846 8260B
Isopropylbenzene	Below det lim	ug/Kg	14.0	4/4/2002	KW	SW846 8260B
4-Isopropyltoluene	Below det lim	ug/Kg	14.0	4/4/2002	KW	SW846 8260B
Methyl-tert-butyl ether (MTBE)	Below det lim	ug/Kg	14.0	4/4/2002	KW	SW846 8260B
4-Methyl-2-pentanone (MIBK)	Below det lim	ug/Kg	140	4/4/2002	KW	SW846 8260B
Methylene chloride	Below det lim	ug/Kg	22.0	4/4/2002	KW	SW846 8260B
Naphthalene	Below det lim	ug/Kg	14.0	4/4/2002	KW	SW846 8260B
n-Propylbenzene	Below det lim	ug/Kg	14.0	4/4/2002	KW	SW846 8260B
Styrene	Below det lim	ug/Kg	14.0	4/4/2002	KW	SW846 8260B
1,1,1,2-Tetrachloroethane	Below det lim	ug/Kg	14.0	4/4/2002	KW	SW846 8260B
1,1,2,2-Tetrachloroethane	Below det lim	ug/Kg	14.0	4/4/2002	KW	SW846 8260B
Tetrachloroethene (PCE)	Below det lim	ug/Kg	14.0	4/4/2002	KW	SW846 8260B
Toluene	Below det lim	ug/Kg	14.0	4/4/2002	KW	SW846 8260B
1,2,3-Trichlorobenzene	Below det lim	ug/Kg	14.0	4/4/2002	KW	SW846 8260B
1,2,4-Trichlorobenzene	Below det lim	ug/Kg	14.0	4/4/2002	KW	SW846 8260B
1,1,1-Trichloroethane	Below det lim	ug/Kg	14.0	4/4/2002	KW	SW846 8260B
1,1,2-Trichloroethane	Below det lim	ug/Kg	14.0	4/4/2002	KW	SW846 8260B
Trichloroethene (TCE)	Below det lim	ug/Kg	14.0	4/4/2002	KW	SW846 8260B
Trichlorofluoromethane	Below det lim	ug/Kg	14.0	4/4/2002	KW	SW846 8260B
1,2,3-Trichloropropane	Below det lim	ug/Kg	14.0	4/4/2002	KW	SW846 8260B
1,2,4-Trimethylbenzene	Below det lim	ug/Kg	14.0	4/4/2002	KW	SW846 8260B
1,3,5-Trimethylbenzene	Below det lim	ug/Kg	14.0	4/4/2002	KW	SW846 8260B
Vinyl chloride	Below det lim	ug/Kg	14.0	4/4/2002	KW	SW846 8260B
m,p-Xylenes	Below det lim	ug/Kg	28.0	4/4/2002	KW	SW846 8260B
o-Xylene	Below det lim	ug/Kg	14.0	4/4/2002	KW	SW846 8260B
4-Bromofluorobenzene (%SR)	94	ug/Kg	0.000	4/4/2002	KW	SW846 8260B
1,4-Difluorobenzene (%SR)	99	ug/Kg	0.000	4/4/2002	KW	SW846 8260B
Chlorobenzene-d5 (%SR)	98	ug/Kg	0.000	4/4/2002	KW	SW846 8260B
TPH Preparation						
Ultrasonic Extraction	Completed			4/3/2002	RT	SW846 3550B
Petroleum Hydrocarbon Analysis						
Extractable TPH						
Total Petroleum Hydrocarbons (C9-C36)	Below det lim	mg/Kg	20	4/5/2002	JD	CT ETPH
Gasoline	Below det lim	mg/Kg	20	4/5/2002	JD	CT ETPH
Fuel Oil #2	Below det lim	mg/Kg	20	4/5/2002	JD	CT ETPH
Fuel Oil #4	Below det lim	mg/Kg	20	4/5/2002	JD	CT ETPH
Fuel Oil #6	Below det lim	mg/Kg	20	4/5/2002	JD	CT ETPH

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Parameter	Results	Units	PQL	Start Date	Analyst	Method
Motor Oil	Below det lim	mg/Kg	20	4/5/2002	JD	CT ETPH
Aviation Fuel	Below det lim	mg/Kg	20	4/5/2002	JD	CT ETPH
Unidentified	Below det lim	mg/Kg	20	4/5/2002	JD	CT ETPH
Other Oil	Below det lim	mg/Kg	20	4/5/2002	JD	CT ETPH
1-Chloro-octadecane (%SR)	76	mg/Kg	0.	4/5/2002	JD	CT ETPH
SVOC Preparation						
Ultrasonic Extraction	Completed			4/3/2002	RT	SW846 3550B
Semivolatile Organic Compounds						
PAHs by GC/MS						
Naphthalene	Below det lim	ug/Kg	154	4/5/2002	MSL	SW846 8270C
2-Methylnaphthalene	Below det lim	ug/Kg	154	4/5/2002	MSL	SW846 8270C
1-Methylnaphthalene	Below det lim	ug/Kg	154	4/5/2002	MSL	SW846 8270C
Acenaphthylene	Below det lim	ug/Kg	154	4/5/2002	MSL	SW846 8270C
Acenaphthene	Below det lim	ug/Kg	154	4/5/2002	MSL	SW846 8270C
Fluorene	Below det lim	ug/Kg	154	4/5/2002	MSL	SW846 8270C
Phenanthrene	Below det lim	ug/Kg	154	4/5/2002	MSL	SW846 8270C
Anthracene	Below det lim	ug/Kg	154	4/5/2002	MSL	SW846 8270C
Fluoranthene	Below det lim	ug/Kg	154	4/5/2002	MSL	SW846 8270C
Pyrene	Below det lim	ug/Kg	154	4/5/2002	MSL	SW846 8270C
Benzo (a) anthracene	Below det lim	ug/Kg	154	4/5/2002	MSL	SW846 8270C
Chrysene	Below det lim	ug/Kg	154	4/5/2002	MSL	SW846 8270C
Benzo (b) fluoranthene	Below det lim	ug/Kg	154	4/5/2002	MSL	SW846 8270C
Benzo (k) fluoranthene	Below det lim	ug/Kg	154	4/5/2002	MSL	SW846 8270C
Benzo (a) pyrene	Below det lim	ug/Kg	154	4/5/2002	MSL	SW846 8270C
Indeno (1,2,3-cd) pyrene	Below det lim	ug/Kg	154	4/5/2002	MSL	SW846 8270C
Dibenzo (a,h) anthracene	Below det lim	ug/Kg	154	4/5/2002	MSL	SW846 8270C
Benzo (g,h,i) perylene	Below det lim	ug/Kg	154	4/5/2002	MSL	SW846 8270C
2-Fluorobiphenyl (%SR)	67	ug/Kg	0.000	4/5/2002	MSL	SW846 8270C
Terphenyl-d14 (%SR)	88	ug/Kg	0.000	4/5/2002	MSL	SW846 8270C
Metals Preparation						
Mercury Digestion	Completed			4/4/2002	LFR	EPA 245.1
Metals Digestion	Completed			4/4/2002	LFR	EPA 200.7
Metals Analysis						
Total RCRA8 Metals						
Total Arsenic	Below det lim	mg/Kg	2.98	4/6/2002	REC	EPA 200.7
Total Barium	31.0	mg/Kg	0.993	4/6/2002	REC	EPA 200.7
Total Cadmium	Below det lim	mg/Kg	0.496	4/6/2002	REC	EPA 200.7
Total Chromium	6.79	mg/Kg	0.993	4/6/2002	REC	EPA 200.7
Total Lead	6.48	mg/Kg	1.49	4/6/2002	REC	EPA 200.7
Total Selenium	Below det lim	mg/Kg	2.98	4/6/2002	REC	EPA 200.7

Lab ID No: AD06290 **Collection Date:** 3/29/2002
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Parameter	Results	Units	PQL	Start Date	Analyst	Method
Total Silver	Below det lim	mg/Kg	1.99	4/6/2002	REC	EPA 200.7
Total Mercury	Below det lim	mg/Kg	0.182	4/5/2002	EPC	EPA 245.1
% Solids	88.3	%		4/3/2002	RT	SM2540 B Mod

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Parameter	Results	Units	PQL	Start Date	Analyst	Method
VOC Preparation						
VOC Extraction (solid)	Lab ext			4/3/2002	AS	SW846 5035
Volatile Organic Compounds						
VOCs by GC/MS						
Acetone	Below det lim	ug/Kg	280	4/4/2002	KW	SW846 8260B
Acrylonitrile	Below det lim	ug/Kg	14.0	4/4/2002	KW	SW846 8260B
Benzene	Below det lim	ug/Kg	14.0	4/4/2002	KW	SW846 8260B
Bromobenzene	Below det lim	ug/Kg	14.0	4/4/2002	KW	SW846 8260B
Bromochloromethane	Below det lim	ug/Kg	14.0	4/4/2002	KW	SW846 8260B
Bromodichloromethane	Below det lim	ug/Kg	14.0	4/4/2002	KW	SW846 8260B
Bromoform	Below det lim	ug/Kg	14.0	4/4/2002	KW	SW846 8260B
Bromomethane	Below det lim	ug/Kg	28.0	4/4/2002	KW	SW846 8260B
2-Butanone (MEK)	Below det lim	ug/Kg	140	4/4/2002	KW	SW846 8260B
n-Butylbenzene	Below det lim	ug/Kg	14.0	4/4/2002	KW	SW846 8260B
sec-Butylbenzene	Below det lim	ug/Kg	14.0	4/4/2002	KW	SW846 8260B
tert-Butylbenzene	Below det lim	ug/Kg	14.0	4/4/2002	KW	SW846 8260B
Carbon disulfide	Below det lim	ug/Kg	70.0	4/4/2002	KW	SW846 8260B
Carbon tetrachloride	Below det lim	ug/Kg	14.0	4/4/2002	KW	SW846 8260B
Chlorobenzene	Below det lim	ug/Kg	14.0	4/4/2002	KW	SW846 8260B
Chloroethane	Below det lim	ug/Kg	28.0	4/4/2002	KW	SW846 8260B
Chloroform	Below det lim	ug/Kg	14.0	4/4/2002	KW	SW846 8260B
Chloromethane	Below det lim	ug/Kg	28.0	4/4/2002	KW	SW846 8260B
2-Chlorotoluene	Below det lim	ug/Kg	14.0	4/4/2002	KW	SW846 8260B
4-Chlorotoluene	Below det lim	ug/Kg	14.0	4/4/2002	KW	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	Below det lim	ug/Kg	28.0	4/4/2002	KW	SW846 8260B
Dibromochloromethane	Below det lim	ug/Kg	14.0	4/4/2002	KW	SW846 8260B
1,2-Dibromoethane (EDB)	Below det lim	ug/Kg	14.0	4/4/2002	KW	SW846 8260B
Dibromomethane	Below det lim	ug/Kg	14.0	4/4/2002	KW	SW846 8260B
1,2-Dichlorobenzene	Below det lim	ug/Kg	14.0	4/4/2002	KW	SW846 8260B
1,3-Dichlorobenzene	Below det lim	ug/Kg	14.0	4/4/2002	KW	SW846 8260B
1,4-Dichlorobenzene	Below det lim	ug/Kg	14.0	4/4/2002	KW	SW846 8260B
Dichlorodifluoromethane	Below det lim	ug/Kg	28.0	4/4/2002	KW	SW846 8260B
1,1-Dichloroethane	Below det lim	ug/Kg	14.0	4/4/2002	KW	SW846 8260B
1,2-Dichloroethane	Below det lim	ug/Kg	14.0	4/4/2002	KW	SW846 8260B
1,1-Dichloroethene	Below det lim	ug/Kg	14.0	4/4/2002	KW	SW846 8260B
cis-1,2-Dichloroethene	Below det lim	ug/Kg	14.0	4/4/2002	KW	SW846 8260B
trans-1,2-Dichloroethene	Below det lim	ug/Kg	14.0	4/4/2002	KW	SW846 8260B
1,2-Dichloropropane	Below det lim	ug/Kg	14.0	4/4/2002	KW	SW846 8260B
1,3-Dichloropropane	Below det lim	ug/Kg	14.0	4/4/2002	KW	SW846 8260B
2,2-Dichloropropane	Below det lim	ug/Kg	14.0	4/4/2002	KW	SW846 8260B
1,1-Dichloropropene	Below det lim	ug/Kg	14.0	4/4/2002	KW	SW846 8260B

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Parameter	Results	Units	PQL	Start Date	Analyst	Method
cis-1,3-Dichloropropene	Below det lim	ug/Kg	14.0	4/4/2002	KW	SW846 8260B
trans-1,3-Dichloropropene	Below det lim	ug/Kg	14.0	4/4/2002	KW	SW846 8260B
Ethylbenzene	Below det lim	ug/Kg	14.0	4/4/2002	KW	SW846 8260B
Hexachlorobutadiene	Below det lim	ug/Kg	14.0	4/4/2002	KW	SW846 8260B
2-Hexanone (MBK)	Below det lim	ug/Kg	140	4/4/2002	KW	SW846 8260B
Isopropylbenzene	Below det lim	ug/Kg	14.0	4/4/2002	KW	SW846 8260B
4-Isopropyltoluene	Below det lim	ug/Kg	14.0	4/4/2002	KW	SW846 8260B
Methyl-tert-butyl ether (MTBE)	Below det lim	ug/Kg	14.0	4/4/2002	KW	SW846 8260B
4-Methyl-2-pentanone (MIBK)	Below det lim	ug/Kg	140	4/4/2002	KW	SW846 8260B
Methylene chloride	Below det lim	ug/Kg	23.0	4/4/2002	KW	SW846 8260B
Naphthalene	Below det lim	ug/Kg	14.0	4/4/2002	KW	SW846 8260B
n-Propylbenzene	Below det lim	ug/Kg	14.0	4/4/2002	KW	SW846 8260B
Styrene	Below det lim	ug/Kg	14.0	4/4/2002	KW	SW846 8260B
1,1,1,2-Tetrachloroethane	Below det lim	ug/Kg	14.0	4/4/2002	KW	SW846 8260B
1,1,2,2-Tetrachloroethane	Below det lim	ug/Kg	14.0	4/4/2002	KW	SW846 8260B
Tetrachloroethene (PCE)	Below det lim	ug/Kg	14.0	4/4/2002	KW	SW846 8260B
Toluene	Below det lim	ug/Kg	14.0	4/4/2002	KW	SW846 8260B
1,2,3-Trichlorobenzene	Below det lim	ug/Kg	14.0	4/4/2002	KW	SW846 8260B
1,2,4-Trichlorobenzene	Below det lim	ug/Kg	14.0	4/4/2002	KW	SW846 8260B
1,1,1-Trichloroethane	Below det lim	ug/Kg	14.0	4/4/2002	KW	SW846 8260B
1,1,2-Trichloroethane	Below det lim	ug/Kg	14.0	4/4/2002	KW	SW846 8260B
Trichloroethene (TCE)	Below det lim	ug/Kg	14.0	4/4/2002	KW	SW846 8260B
Trichlorofluoromethane	Below det lim	ug/Kg	14.0	4/4/2002	KW	SW846 8260B
1,2,3-Trichloropropane	Below det lim	ug/Kg	14.0	4/4/2002	KW	SW846 8260B
1,2,4-Trimethylbenzene	Below det lim	ug/Kg	14.0	4/4/2002	KW	SW846 8260B
1,3,5-Trimethylbenzene	Below det lim	ug/Kg	14.0	4/4/2002	KW	SW846 8260B
Vinyl chloride	Below det lim	ug/Kg	14.0	4/4/2002	KW	SW846 8260B
m,p-Xylenes	Below det lim	ug/Kg	28.0	4/4/2002	KW	SW846 8260B
o-Xylene	Below det lim	ug/Kg	14.0	4/4/2002	KW	SW846 8260B
4-Bromofluorobenzene (%SR)	97	ug/Kg	0.000	4/4/2002	KW	SW846 8260B
1,4-Difluorobenzene (%SR)	100	ug/Kg	0.000	4/4/2002	KW	SW846 8260B
Chlorobenzene-d5 (%SR)	98	ug/Kg	0.000	4/4/2002	KW	SW846 8260B
TPH Preparation						
Ultrasonic Extraction	Completed			4/3/2002	RT	SW846 3550B
Petroleum Hydrocarbon Analysis						
Extractable TPH						
Total Petroleum Hydrocarbons (C9-C36)	Below det lim	mg/Kg	20	4/5/2002	JD	CT ETPH
Gasoline	Below det lim	mg/Kg	20	4/5/2002	JD	CT ETPH
Fuel Oil #2	Below det lim	mg/Kg	20	4/5/2002	JD	CT ETPH
Fuel Oil #4	Below det lim	mg/Kg	20	4/5/2002	JD	CT ETPH
Fuel Oil #6	Below det lim	mg/Kg	20	4/5/2002	JD	CT ETPH

Lab ID No: AD06291 **Collection Date:** 3/29/2002
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Parameter	Results	Units	PQL	Start Date	Analyst	Method
Motor Oil	Below det lim	mg/Kg	20	4/5/2002	JD	CT ETPH
Aviation Fuel	Below det lim	mg/Kg	20	4/5/2002	JD	CT ETPH
Unidentified	Below det lim	mg/Kg	20	4/5/2002	JD	CT ETPH
Other Oil	Below det lim	mg/Kg	20	4/5/2002	JD	CT ETPH
1-Chloro-octadecane (%SR)	77	mg/Kg	0.	4/5/2002	JD	CT ETPH
SVOC Preparation						
Ultrasonic Extraction	Completed			4/3/2002	RT	SW846 3550B
Semivolatile Organic Compounds						
PAHs by GC/MS						
Naphthalene	Below det lim	ug/Kg	178	4/5/2002	MSL	SW846 8270C
2-Methylnaphthalene	Below det lim	ug/Kg	178	4/5/2002	MSL	SW846 8270C
1-Methylnaphthalene	Below det lim	ug/Kg	178	4/5/2002	MSL	SW846 8270C
Acenaphthylene	Below det lim	ug/Kg	178	4/5/2002	MSL	SW846 8270C
Acenaphthene	Below det lim	ug/Kg	178	4/5/2002	MSL	SW846 8270C
Fluorene	Below det lim	ug/Kg	178	4/5/2002	MSL	SW846 8270C
Phenanthrene	Below det lim	ug/Kg	178	4/5/2002	MSL	SW846 8270C
Anthracene	Below det lim	ug/Kg	178	4/5/2002	MSL	SW846 8270C
Fluoranthene	Below det lim	ug/Kg	178	4/5/2002	MSL	SW846 8270C
Pyrene	Below det lim	ug/Kg	178	4/5/2002	MSL	SW846 8270C
Benzo (a) anthracene	Below det lim	ug/Kg	178	4/5/2002	MSL	SW846 8270C
Chrysene	Below det lim	ug/Kg	178	4/5/2002	MSL	SW846 8270C
Benzo (b) fluoranthene	Below det lim	ug/Kg	178	4/5/2002	MSL	SW846 8270C
Benzo (k) fluoranthene	Below det lim	ug/Kg	178	4/5/2002	MSL	SW846 8270C
Benzo (a) pyrene	Below det lim	ug/Kg	178	4/5/2002	MSL	SW846 8270C
Indeno (1,2,3-cd) pyrene	Below det lim	ug/Kg	178	4/5/2002	MSL	SW846 8270C
Dibenzo (a,h) anthracene	Below det lim	ug/Kg	178	4/5/2002	MSL	SW846 8270C
Benzo (g,h,i) perylene	Below det lim	ug/Kg	178	4/5/2002	MSL	SW846 8270C
2-Fluorobiphenyl (%SR)	69	ug/Kg	0.000	4/5/2002	MSL	SW846 8270C
Terphenyl-d14 (%SR)	86	ug/Kg	0.000	4/5/2002	MSL	SW846 8270C
Metals Preparation						
Mercury Digestion	Completed			4/4/2002	LFR	EPA 245.1
Metals Digestion	Completed			4/4/2002	LFR	EPA 200.7
Metals Analysis						
Total RCRA8 Metals						
Total Arsenic	Below det lim	mg/Kg	3.17	4/6/2002	REC	EPA 200.7
Total Barium	30.3	mg/Kg	1.06	4/6/2002	REC	EPA 200.7
Total Cadmium	Below det lim	mg/Kg	0.528	4/6/2002	REC	EPA 200.7
Total Chromium	7.59	mg/Kg	1.06	4/6/2002	REC	EPA 200.7
Total Lead	4.53	mg/Kg	1.59	4/6/2002	REC	EPA 200.7
Total Selenium	Below det lim	mg/Kg	3.25	4/6/2002	REC	EPA 200.7

Lab ID No: AD06291 **Collection Date:** 3/29/2002
Client Id: JBD020329-12 **Matrix** Soil

Parameter	Results	Units	PQL	Start Date	Analyst	Method
Total Silver	Below det lim	mg/Kg	2.11	4/6/2002	REC	EPA 200.7
Total Mercury	Below det lim	mg/Kg	0.203	4/5/2002	EPC	EPA 245.1
% Solids	84.4	%		4/3/2002	RT	SM2540 B Mod

Lab ID No: AD06292 **Collection Date:** 3/29/2002
Client Id: JBD020329-02 **Matrix** Soil

Parameter	Results	Units	PQL	Start Date	Analyst	Method
VOC Preparation						
VOC Extraction (solid)	Lab ext			4/3/2002	AS	SW846 5035
Volatile Organic Compounds						
VOCs by GC/MS						
Acetone	Below det lim	ug/Kg	320	4/4/2002	KW	SW846 8260B
Acrylonitrile	Below det lim	ug/Kg	16.0	4/4/2002	KW	SW846 8260B
Benzene	Below det lim	ug/Kg	16.0	4/4/2002	KW	SW846 8260B
Bromobenzene	Below det lim	ug/Kg	16.0	4/4/2002	KW	SW846 8260B
Bromochloromethane	Below det lim	ug/Kg	16.0	4/4/2002	KW	SW846 8260B
Bromodichloromethane	Below det lim	ug/Kg	16.0	4/4/2002	KW	SW846 8260B
Bromoform	Below det lim	ug/Kg	16.0	4/4/2002	KW	SW846 8260B
Bromomethane	Below det lim	ug/Kg	32.0	4/4/2002	KW	SW846 8260B
2-Butanone (MEK)	Below det lim	ug/Kg	160	4/4/2002	KW	SW846 8260B
n-Butylbenzene	Below det lim	ug/Kg	16.0	4/4/2002	KW	SW846 8260B
sec-Butylbenzene	Below det lim	ug/Kg	16.0	4/4/2002	KW	SW846 8260B
tert-Butylbenzene	Below det lim	ug/Kg	16.0	4/4/2002	KW	SW846 8260B
Carbon disulfide	Below det lim	ug/Kg	80.0	4/4/2002	KW	SW846 8260B
Carbon tetrachloride	Below det lim	ug/Kg	16.0	4/4/2002	KW	SW846 8260B
Chlorobenzene	Below det lim	ug/Kg	16.0	4/4/2002	KW	SW846 8260B
Chloroethane	Below det lim	ug/Kg	32.0	4/4/2002	KW	SW846 8260B
Chloroform	Below det lim	ug/Kg	16.0	4/4/2002	KW	SW846 8260B
Chloromethane	Below det lim	ug/Kg	32.0	4/4/2002	KW	SW846 8260B
2-Chlorotoluene	Below det lim	ug/Kg	16.0	4/4/2002	KW	SW846 8260B
4-Chlorotoluene	Below det lim	ug/Kg	16.0	4/4/2002	KW	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	Below det lim	ug/Kg	32.0	4/4/2002	KW	SW846 8260B
Dibromochloromethane	Below det lim	ug/Kg	16.0	4/4/2002	KW	SW846 8260B
1,2-Dibromoethane (EDB)	Below det lim	ug/Kg	16.0	4/4/2002	KW	SW846 8260B
Dibromomethane	Below det lim	ug/Kg	16.0	4/4/2002	KW	SW846 8260B
1,2-Dichlorobenzene	Below det lim	ug/Kg	16.0	4/4/2002	KW	SW846 8260B
1,3-Dichlorobenzene	Below det lim	ug/Kg	16.0	4/4/2002	KW	SW846 8260B
1,4-Dichlorobenzene	Below det lim	ug/Kg	16.0	4/4/2002	KW	SW846 8260B
Dichlorodifluoromethane	Below det lim	ug/Kg	32.0	4/4/2002	KW	SW846 8260B
1,1-Dichloroethane	Below det lim	ug/Kg	16.0	4/4/2002	KW	SW846 8260B
1,2-Dichloroethane	Below det lim	ug/Kg	16.0	4/4/2002	KW	SW846 8260B
1,1-Dichloroethene	Below det lim	ug/Kg	16.0	4/4/2002	KW	SW846 8260B
cis-1,2-Dichloroethene	Below det lim	ug/Kg	16.0	4/4/2002	KW	SW846 8260B
trans-1,2-Dichloroethene	Below det lim	ug/Kg	16.0	4/4/2002	KW	SW846 8260B
1,2-Dichloropropane	Below det lim	ug/Kg	16.0	4/4/2002	KW	SW846 8260B
1,3-Dichloropropane	Below det lim	ug/Kg	16.0	4/4/2002	KW	SW846 8260B
2,2-Dichloropropane	Below det lim	ug/Kg	16.0	4/4/2002	KW	SW846 8260B
1,1-Dichloropropene	Below det lim	ug/Kg	16.0	4/4/2002	KW	SW846 8260B

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Parameter	Results	Units	PQL	Start Date	Analyst	Method
cis-1,3-Dichloropropene	Below det lim	ug/Kg	16.0	4/4/2002	KW	SW846 8260B
trans-1,3-Dichloropropene	Below det lim	ug/Kg	16.0	4/4/2002	KW	SW846 8260B
Ethylbenzene	Below det lim	ug/Kg	16.0	4/4/2002	KW	SW846 8260B
Hexachlorobutadiene	Below det lim	ug/Kg	16.0	4/4/2002	KW	SW846 8260B
2-Hexanone (MBK)	Below det lim	ug/Kg	160	4/4/2002	KW	SW846 8260B
Isopropylbenzene	Below det lim	ug/Kg	16.0	4/4/2002	KW	SW846 8260B
4-Isopropyltoluene	Below det lim	ug/Kg	16.0	4/4/2002	KW	SW846 8260B
Methyl-tert-butyl ether (MTBE)	Below det lim	ug/Kg	16.0	4/4/2002	KW	SW846 8260B
4-Methyl-2-pentanone (MIBK)	Below det lim	ug/Kg	160	4/4/2002	KW	SW846 8260B
Methylene chloride	Below det lim	ug/Kg	28.0	4/4/2002	KW	SW846 8260B
Naphthalene	Below det lim	ug/Kg	16.0	4/4/2002	KW	SW846 8260B
n-Propylbenzene	Below det lim	ug/Kg	16.0	4/4/2002	KW	SW846 8260B
Styrene	Below det lim	ug/Kg	16.0	4/4/2002	KW	SW846 8260B
1,1,1,2-Tetrachloroethane	Below det lim	ug/Kg	16.0	4/4/2002	KW	SW846 8260B
1,1,2,2-Tetrachloroethane	Below det lim	ug/Kg	16.0	4/4/2002	KW	SW846 8260B
Tetrachloroethene (PCE)	Below det lim	ug/Kg	16.0	4/4/2002	KW	SW846 8260B
Toluene	Below det lim	ug/Kg	16.0	4/4/2002	KW	SW846 8260B
1,2,3-Trichlorobenzene	Below det lim	ug/Kg	16.0	4/4/2002	KW	SW846 8260B
1,2,4-Trichlorobenzene	Below det lim	ug/Kg	16.0	4/4/2002	KW	SW846 8260B
1,1,1-Trichloroethane	Below det lim	ug/Kg	16.0	4/4/2002	KW	SW846 8260B
1,1,2-Trichloroethane	Below det lim	ug/Kg	16.0	4/4/2002	KW	SW846 8260B
Trichloroethene (TCE)	Below det lim	ug/Kg	16.0	4/4/2002	KW	SW846 8260B
Trichlorofluoromethane	Below det lim	ug/Kg	16.0	4/4/2002	KW	SW846 8260B
1,2,3-Trichloropropane	Below det lim	ug/Kg	16.0	4/4/2002	KW	SW846 8260B
1,2,4-Trimethylbenzene	Below det lim	ug/Kg	16.0	4/4/2002	KW	SW846 8260B
1,3,5-Trimethylbenzene	Below det lim	ug/Kg	16.0	4/4/2002	KW	SW846 8260B
Vinyl chloride	Below det lim	ug/Kg	16.0	4/4/2002	KW	SW846 8260B
m,p-Xylenes	Below det lim	ug/Kg	32.0	4/4/2002	KW	SW846 8260B
o-Xylene	Below det lim	ug/Kg	16.0	4/4/2002	KW	SW846 8260B
4-Bromofluorobenzene (%SR)	95	ug/Kg	0.000	4/4/2002	KW	SW846 8260B
1,4-Difluorobenzene (%SR)	98	ug/Kg	0.000	4/4/2002	KW	SW846 8260B
Chlorobenzene-d5 (%SR)	101	ug/Kg	0.000	4/4/2002	KW	SW846 8260B
TPH Preparation						
Ultrasonic Extraction	Completed			4/3/2002	RT	SW846 3550B
Petroleum Hydrocarbon Analysis						
Extractable TPH						
Total Petroleum Hydrocarbons (C9-C36)	1,400	mg/Kg	20	4/5/2002	JD	CT ETPH
Gasoline	Below det lim	mg/Kg	20	4/5/2002	JD	CT ETPH
Fuel Oil #2	Below det lim	mg/Kg	20	4/5/2002	JD	CT ETPH
Fuel Oil #4	Below det lim	mg/Kg	20	4/5/2002	JD	CT ETPH
Fuel Oil #6	Below det lim	mg/Kg	20	4/5/2002	JD	CT ETPH

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Parameter	Results	Units	PQL	Start Date	Analyst	Method
Motor Oil	Below det lim	mg/Kg	20	4/5/2002	JD	CT ETPH
Aviation Fuel	Below det lim	mg/Kg	20	4/5/2002	JD	CT ETPH
Unidentified	1,400	mg/Kg	20	4/5/2002	JD	CT ETPH
Other Oil	*	mg/Kg	20	4/5/2002	JD	CT ETPH
1-Chloro-octadecane (%SR)	83	mg/Kg	0.	4/5/2002	JD	CT ETPH
SVOC Preparation						
Separatory Funnel Extraction on Leachate	Completed			4/17/2002	WB	SW846 3510C
Ultrasonic Extraction	Completed			4/3/2002	RT	SW846 3550B
Semivolatile Organic Compounds						
PAHs by GC/MS						
Naphthalene	Below det lim	ug/Kg	216	4/5/2002	MSL	SW846 8270C
2-Methylnaphthalene	Below det lim	ug/Kg	216	4/5/2002	MSL	SW846 8270C
1-Methylnaphthalene	Below det lim	ug/Kg	216	4/5/2002	MSL	SW846 8270C
Acenaphthylene	Below det lim	ug/Kg	216	4/5/2002	MSL	SW846 8270C
Acenaphthene	Below det lim	ug/Kg	216	4/5/2002	MSL	SW846 8270C
Fluorene	Below det lim	ug/Kg	216	4/5/2002	MSL	SW846 8270C
Phenanthrene	480	ug/Kg	216	4/5/2002	MSL	SW846 8270C
Anthracene	Below det lim	ug/Kg	216	4/5/2002	MSL	SW846 8270C
Fluoranthene	1,000	ug/Kg	216	4/5/2002	MSL	SW846 8270C
Pyrene	1,100	ug/Kg	216	4/5/2002	MSL	SW846 8270C
Benzo (a) anthracene	730	ug/Kg	216	4/5/2002	MSL	SW846 8270C
Chrysene	760	ug/Kg	216	4/5/2002	MSL	SW846 8270C
Benzo (b) fluoranthene	980	ug/Kg	216	4/5/2002	MSL	SW846 8270C
Benzo (k) fluoranthene	590	ug/Kg	216	4/5/2002	MSL	SW846 8270C
Benzo (a) pyrene	630	ug/Kg	216	4/5/2002	MSL	SW846 8270C
Indeno (1,2,3-cd) pyrene	Below det lim	ug/Kg	216	4/5/2002	MSL	SW846 8270C
Dibenzo (a,h) anthracene	Below det lim	ug/Kg	216	4/5/2002	MSL	SW846 8270C
Benzo (g,h,i) perylene	Below det lim	ug/Kg	216	4/5/2002	MSL	SW846 8270C
2-Fluorobiphenyl (%SR)	47	ug/Kg	0.000	4/5/2002	MSL	SW846 8270C
Terphenyl-d14 (%SR)	65	ug/Kg	0.000	4/5/2002	MSL	SW846 8270C
Semivolatile Organic Compounds						
Polychlorinated Biphenyls by GC						
PCB-1016	Below det lim	ug/Kg	37	4/3/2002	TG	SW846 8082
PCB-1221	Below det lim	ug/Kg	37	4/3/2002	TG	SW846 8082
PCB-1232	Below det lim	ug/Kg	37	4/3/2002	TG	SW846 8082
PCB-1242	Below det lim	ug/Kg	37	4/3/2002	TG	SW846 8082
PCB-1248	Below det lim	ug/Kg	37	4/3/2002	TG	SW846 8082
PCB-1254	140	ug/Kg	37	4/3/2002	TG	SW846 8082
PCB-1260	42	ug/Kg	37	4/3/2002	TG	SW846 8082
Decachlorobiphenyl (%SR)	77	ug/Kg	0.00	4/3/2002	TG	SW846 8082
SPLP Polychlorinated Biphenyls						

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Parameter	Results	Units	PQL	Start Date		Analyst	Method
PCB-1016	Below det lim	ug/L	0.2	4/17/2002		TG	1312/8082
PCB-1221	Below det lim	ug/L	0.2	4/17/2002		TG	1312/8082
PCB-1232	Below det lim	ug/L	0.2	4/17/2002		TG	1312/8082
PCB-1242	Below det lim	ug/L	0.2	4/17/2002		TG	1312/8082
PCB-1248	Below det lim	ug/L	0.2	4/17/2002		TG	1312/8082
PCB-1254	Below det lim	ug/L	0.2	4/17/2002		TG	1312/8082
PCB-1260	Below det lim	ug/L	0.2	4/17/2002		TG	1312/8082
PCB-1262	Below det lim	ug/L	0.2	4/17/2002		TG	1312/8082
PCB-1268	Below det lim	ug/L	0.2	4/17/2002		TG	1312/8082
Decachlorobiphenyl (%SR)	60	ug/L		4/17/2002		TG	1312/8082
Metals Preparation							
Mercury Digestion	Completed			4/4/2002		LFR	EPA 245.1
Mercury Digestion on Leachate	Completed			4/17/2002		LK	EPA 245.1
Metals Digestion	Completed			4/4/2002		LFR	EPA 200.7
Metals Digestion on Leachate	Completed			4/17/2002		LK	EPA 200.7
Metals Analysis							
TCLP Mercury	Below det lim	mg/L	0.0004	4/17/2002		EPR	1311/245.1
TCLP RCRA8 Metals							
TCLP Arsenic	Below det lim	mg/L	0.015	4/17/2002		KSR	1311/200.7
TCLP Barium	0.263	mg/L	0.005	4/17/2002		KSR	1311/200.7
TCLP Cadmium	Below det lim	mg/L	0.0025	4/17/2002		KSR	1311/200.7
TCLP Chromium	Below det lim	mg/L	0.005	4/17/2002		KSR	1311/200.7
TCLP Lead	0.0543	mg/L	0.0075	4/17/2002		KSR	1311/200.7
TCLP Selenium	Below det lim	mg/L	0.015	4/17/2002		KSR	1311/200.7
TCLP Silver	Below det lim	mg/L	0.010	4/17/2002		KSR	1311/200.7
Total RCRA8 Metals							
Total Arsenic	Below det lim	mg/Kg	3.43	4/6/2002		REC	EPA 200.7
Total Barium	44.8	mg/Kg	1.14	4/6/2002		REC	EPA 200.7
Total Cadmium	Below det lim	mg/Kg	0.572	4/6/2002		REC	EPA 200.7
Total Chromium	15.5	mg/Kg	1.14	4/6/2002		REC	EPA 200.7
Total Lead	66.3	mg/Kg	1.71	4/6/2002		REC	EPA 200.7
Total Selenium	Below det lim	mg/Kg	9.40	4/6/2002		REC	EPA 200.7
Total Silver	Below det lim	mg/Kg	2.29	4/6/2002		REC	EPA 200.7
Total Mercury	Below det lim	mg/Kg	0.200	4/5/2002		EPC	EPA 245.1
General Chemistry							
Ignitability of Solids	Negative	pos/neg		4/12/2002	13:30	JC	SW846 1030
pH	9.05@22.1	pH Units		4/16/2002	7:00	JC	SW846 9045
TCLP/SPLP Preparation							
SPLP Extraction for SVOCs	Completed			4/15/2002		HB	SW846 1312

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Parameter	Results	Units	PQL	Start Date	Analyst	Method
TCLP Extraction for Metals	Completed			4/15/2002	HB	SW846 1311
General Chemistry						
Reactivity - Cyanide/Sulfide						
Reactivity	Negative	mg/Kg		4/12/2002	KG	SW846 7.3
Reactivity Cyanide	Below det lim	mg/Kg	0.29	4/12/2002	KG	SW846 7.3
Reactivity Sulfide	Below det lim	mg/Kg	29	4/12/2002	KG	SW846 7.3
% Solids	76.7	%		4/3/2002	RT	SM2540 B Mod

NOTE: Sample analyzed past the holding time for pH, Ignitability, Reactivity analysis per client request.

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Parameter	Results	Units	PQL	Start Date	Analyst	Method
VOC Preparation						
VOC Extraction (solid)	Lab ext			4/3/2002	AS	SW846 5035
Volatile Organic Compounds						
VOCs by GC/MS						
Acetone	Below det lim	ug/Kg	220	4/4/2002	KW	SW846 8260B
Acrylonitrile	Below det lim	ug/Kg	11.0	4/4/2002	KW	SW846 8260B
Benzene	Below det lim	ug/Kg	11.0	4/4/2002	KW	SW846 8260B
Bromobenzene	Below det lim	ug/Kg	11.0	4/4/2002	KW	SW846 8260B
Bromochloromethane	Below det lim	ug/Kg	11.0	4/4/2002	KW	SW846 8260B
Bromodichloromethane	Below det lim	ug/Kg	11.0	4/4/2002	KW	SW846 8260B
Bromoform	Below det lim	ug/Kg	11.0	4/4/2002	KW	SW846 8260B
Bromomethane	Below det lim	ug/Kg	22.0	4/4/2002	KW	SW846 8260B
2-Butanone (MEK)	Below det lim	ug/Kg	110	4/4/2002	KW	SW846 8260B
n-Butylbenzene	Below det lim	ug/Kg	11.0	4/4/2002	KW	SW846 8260B
sec-Butylbenzene	Below det lim	ug/Kg	11.0	4/4/2002	KW	SW846 8260B
tert-Butylbenzene	Below det lim	ug/Kg	11.0	4/4/2002	KW	SW846 8260B
Carbon disulfide	Below det lim	ug/Kg	55.0	4/4/2002	KW	SW846 8260B
Carbon tetrachloride	Below det lim	ug/Kg	11.0	4/4/2002	KW	SW846 8260B
Chlorobenzene	Below det lim	ug/Kg	11.0	4/4/2002	KW	SW846 8260B
Chloroethane	Below det lim	ug/Kg	22.0	4/4/2002	KW	SW846 8260B
Chloroform	Below det lim	ug/Kg	11.0	4/4/2002	KW	SW846 8260B
Chloromethane	Below det lim	ug/Kg	22.0	4/4/2002	KW	SW846 8260B
2-Chlorotoluene	Below det lim	ug/Kg	11.0	4/4/2002	KW	SW846 8260B
4-Chlorotoluene	Below det lim	ug/Kg	11.0	4/4/2002	KW	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	Below det lim	ug/Kg	22.0	4/4/2002	KW	SW846 8260B
Dibromochloromethane	Below det lim	ug/Kg	11.0	4/4/2002	KW	SW846 8260B
1,2-Dibromoethane (EDB)	Below det lim	ug/Kg	11.0	4/4/2002	KW	SW846 8260B
Dibromomethane	Below det lim	ug/Kg	11.0	4/4/2002	KW	SW846 8260B
1,2-Dichlorobenzene	Below det lim	ug/Kg	11.0	4/4/2002	KW	SW846 8260B
1,3-Dichlorobenzene	Below det lim	ug/Kg	11.0	4/4/2002	KW	SW846 8260B
1,4-Dichlorobenzene	Below det lim	ug/Kg	11.0	4/4/2002	KW	SW846 8260B
Dichlorodifluoromethane	Below det lim	ug/Kg	22.0	4/4/2002	KW	SW846 8260B
1,1-Dichloroethane	Below det lim	ug/Kg	11.0	4/4/2002	KW	SW846 8260B
1,2-Dichloroethane	Below det lim	ug/Kg	11.0	4/4/2002	KW	SW846 8260B
1,1-Dichloroethene	Below det lim	ug/Kg	11.0	4/4/2002	KW	SW846 8260B
cis-1,2-Dichloroethene	Below det lim	ug/Kg	11.0	4/4/2002	KW	SW846 8260B
trans-1,2-Dichloroethene	Below det lim	ug/Kg	11.0	4/4/2002	KW	SW846 8260B
1,2-Dichloropropane	Below det lim	ug/Kg	11.0	4/4/2002	KW	SW846 8260B
1,3-Dichloropropane	Below det lim	ug/Kg	11.0	4/4/2002	KW	SW846 8260B
2,2-Dichloropropane	Below det lim	ug/Kg	11.0	4/4/2002	KW	SW846 8260B
1,1-Dichloropropene	Below det lim	ug/Kg	11.0	4/4/2002	KW	SW846 8260B

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Parameter	Results	Units	PQL	Start Date	Analyst	Method
cis-1,3-Dichloropropene	Below det lim	ug/Kg	11.0	4/4/2002	KW	SW846 8260B
trans-1,3-Dichloropropene	Below det lim	ug/Kg	11.0	4/4/2002	KW	SW846 8260B
Ethylbenzene	Below det lim	ug/Kg	11.0	4/4/2002	KW	SW846 8260B
Hexachlorobutadiene	Below det lim	ug/Kg	11.0	4/4/2002	KW	SW846 8260B
2-Hexanone (MBK)	Below det lim	ug/Kg	110	4/4/2002	KW	SW846 8260B
Isopropylbenzene	Below det lim	ug/Kg	11.0	4/4/2002	KW	SW846 8260B
4-Isopropyltoluene	Below det lim	ug/Kg	11.0	4/4/2002	KW	SW846 8260B
Methyl-tert-butyl ether (MTBE)	Below det lim	ug/Kg	11.0	4/4/2002	KW	SW846 8260B
4-Methyl-2-pentanone (MIBK)	Below det lim	ug/Kg	110	4/4/2002	KW	SW846 8260B
Methylene chloride	Below det lim	ug/Kg	18.0	4/4/2002	KW	SW846 8260B
Naphthalene	55	ug/Kg	11.0	4/4/2002	KW	SW846 8260B
n-Propylbenzene	Below det lim	ug/Kg	11.0	4/4/2002	KW	SW846 8260B
Styrene	Below det lim	ug/Kg	11.0	4/4/2002	KW	SW846 8260B
1,1,1,2-Tetrachloroethane	Below det lim	ug/Kg	11.0	4/4/2002	KW	SW846 8260B
1,1,2,2-Tetrachloroethane	Below det lim	ug/Kg	11.0	4/4/2002	KW	SW846 8260B
Tetrachloroethene (PCE)	Below det lim	ug/Kg	11.0	4/4/2002	KW	SW846 8260B
Toluene	15	ug/Kg	11.0	4/4/2002	KW	SW846 8260B
1,2,3-Trichlorobenzene	Below det lim	ug/Kg	11.0	4/4/2002	KW	SW846 8260B
1,2,4-Trichlorobenzene	Below det lim	ug/Kg	11.0	4/4/2002	KW	SW846 8260B
1,1,1-Trichloroethane	Below det lim	ug/Kg	11.0	4/4/2002	KW	SW846 8260B
1,1,2-Trichloroethane	Below det lim	ug/Kg	11.0	4/4/2002	KW	SW846 8260B
Trichloroethene (TCE)	Below det lim	ug/Kg	11.0	4/4/2002	KW	SW846 8260B
Trichlorofluoromethane	Below det lim	ug/Kg	11.0	4/4/2002	KW	SW846 8260B
1,2,3-Trichloropropane	Below det lim	ug/Kg	11.0	4/4/2002	KW	SW846 8260B
1,2,4-Trimethylbenzene	Below det lim	ug/Kg	11.0	4/4/2002	KW	SW846 8260B
1,3,5-Trimethylbenzene	Below det lim	ug/Kg	11.0	4/4/2002	KW	SW846 8260B
Vinyl chloride	Below det lim	ug/Kg	11.0	4/4/2002	KW	SW846 8260B
m,p-Xylenes	Below det lim	ug/Kg	22.0	4/4/2002	KW	SW846 8260B
o-Xylene	Below det lim	ug/Kg	11.0	4/4/2002	KW	SW846 8260B
4-Bromofluorobenzene (%SR)	92	ug/Kg	0.000	4/4/2002	KW	SW846 8260B
1,4-Difluorobenzene (%SR)	101	ug/Kg	0.000	4/4/2002	KW	SW846 8260B
Chlorobenzene-d5 (%SR)	102	ug/Kg	0.000	4/4/2002	KW	SW846 8260B
TPH Preparation						
Ultrasonic Extraction	Completed			4/3/2002	RT	SW846 3550B
Petroleum Hydrocarbon Analysis						
Extractable TPH						
Total Petroleum Hydrocarbons (C9-C36)	400	mg/Kg	20	4/5/2002	JD	CT ETPH
Gasoline	Below det lim	mg/Kg	20	4/5/2002	JD	CT ETPH
Fuel Oil #2	Below det lim	mg/Kg	20	4/5/2002	JD	CT ETPH
Fuel Oil #4	Below det lim	mg/Kg	20	4/5/2002	JD	CT ETPH
Fuel Oil #6	Below det lim	mg/Kg	20	4/5/2002	JD	CT ETPH

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Parameter	Results	Units	PQL	Start Date	Analyst	Method
Motor Oil	Below det lim	mg/Kg	20	4/5/2002	JD	CT ETPH
Aviation Fuel	Below det lim	mg/Kg	20	4/5/2002	JD	CT ETPH
Unidentified	400	mg/Kg	20	4/5/2002	JD	CT ETPH
Other Oil	*	mg/Kg	20	4/5/2002	JD	CT ETPH
1-Chloro-octadecane (%SR)	77	mg/Kg	0.	4/5/2002	JD	CT ETPH
SVOC Preparation						
Ultrasonic Extraction	Completed			4/3/2002	RT	SW846 3550B
Semivolatile Organic Compounds						
PAHs by GC/MS						
Naphthalene	390	ug/Kg	172	4/5/2002	MSL	SW846 8270C
2-Methylnaphthalene	190	ug/Kg	172	4/5/2002	MSL	SW846 8270C
1-Methylnaphthalene	220	ug/Kg	172	4/5/2002	MSL	SW846 8270C
Acenaphthylene	750	ug/Kg	172	4/5/2002	MSL	SW846 8270C
Acenaphthene	Below det lim	ug/Kg	172	4/5/2002	MSL	SW846 8270C
Fluorene	690	ug/Kg	172	4/5/2002	MSL	SW846 8270C
Phenanthrene	5,300	ug/Kg	172	4/5/2002	MSL	SW846 8270C
Anthracene	1,100	ug/Kg	172	4/5/2002	MSL	SW846 8270C
Fluoranthene	5,100	ug/Kg	172	4/5/2002	MSL	SW846 8270C
Pyrene	5,000	ug/Kg	172	4/5/2002	MSL	SW846 8270C
Benzo (a) anthracene	2,500	ug/Kg	172	4/5/2002	MSL	SW846 8270C
Chrysene	2,600	ug/Kg	172	4/5/2002	MSL	SW846 8270C
Benzo (b) fluoranthene	2,500	ug/Kg	172	4/5/2002	MSL	SW846 8270C
Benzo (k) fluoranthene	1,900	ug/Kg	172	4/5/2002	MSL	SW846 8270C
Benzo (a) pyrene	2,100	ug/Kg	172	4/5/2002	MSL	SW846 8270C
Indeno (1,2,3-cd) pyrene	1,200	ug/Kg	172	4/5/2002	MSL	SW846 8270C
Dibenzo (a,h) anthracene	Below det lim	ug/Kg	172	4/5/2002	MSL	SW846 8270C
Benzo (g,h,i) perylene	1,400	ug/Kg	172	4/5/2002	MSL	SW846 8270C
2-Fluorobiphenyl (%SR)	54	ug/Kg	0.000	4/5/2002	MSL	SW846 8270C
Terphenyl-d14 (%SR)	40	ug/Kg	0.000	4/5/2002	MSL	SW846 8270C
Metals Preparation						
Mercury Digestion	Completed			4/4/2002	LFR	EPA 245.1
Mercury Digestion on Leachate	Completed			4/17/2002	LK	EPA 245.1
Metals Digestion	Completed			4/4/2002	LFR	EPA 200.7
Metals Digestion on Leachate	Completed			4/17/2002	LK	EPA 200.7
Metals Analysis						
TCLP Mercury	Below det lim	mg/L	0.0004	4/17/2002	EPR	1311/245.1
TCLP RCRA8 Metals						
TCLP Arsenic	Below det lim	mg/L	0.015	4/17/2002	KSR	1311/200.7
TCLP Barium	0.256	mg/L	0.005	4/17/2002	KSR	1311/200.7

Lab ID No: AD06293 **Collection Date:** 3/29/2002
Client Id: JBD020329-03 **Matrix** Soil

Parameter	Results	Units	PQL	Start Date		Analyst	Method
TCLP Cadmium	Below det lim	mg/L	0.0025	4/17/2002		KSR	1311/200.7
TCLP Chromium	Below det lim	mg/L	0.005	4/17/2002		KSR	1311/200.7
TCLP Lead	0.0275	mg/L	0.0075	4/17/2002		KSR	1311/200.7
TCLP Selenium	Below det lim	mg/L	0.015	4/17/2002		KSR	1311/200.7
TCLP Silver	Below det lim	mg/L	0.010	4/17/2002		KSR	1311/200.7
Total RCRA8 Metals							
Total Arsenic	Below det lim	mg/Kg	2.78	4/6/2002		REC	EPA 200.7
Total Barium	28.7	mg/Kg	0.927	4/6/2002		REC	EPA 200.7
Total Cadmium	Below det lim	mg/Kg	0.463	4/6/2002		REC	EPA 200.7
Total Chromium	13.7	mg/Kg	0.927	4/6/2002		REC	EPA 200.7
Total Lead	48.4	mg/Kg	1.39	4/6/2002		REC	EPA 200.7
Total Selenium	Below det lim	mg/Kg	3.85	4/6/2002		REC	EPA 200.7
Total Silver	Below det lim	mg/Kg	1.85	4/6/2002		REC	EPA 200.7
Total Mercury	Below det lim	mg/Kg	0.173	4/5/2002		EPC	EPA 245.1
General Chemistry							
Ignitability of Solids	Negative	pos/neg		4/12/2002	13:30	JC	SW846 1030
pH	8.23@22.2	pH Units		4/16/2002	7:00	JC	SW846 9045
TCLP/SPLP Preparation							
TCLP Extraction for Metals	Completed			4/15/2002		HB	SW846 1311
General Chemistry							
Reactivity - Cyanide/Sulfide							
Reactivity	Negative	mg/Kg		4/12/2002		KG	SW846 7.3
Reactivity Cyanide	Below det lim	mg/Kg	0.25	4/12/2002		KG	SW846 7.3
Reactivity Sulfide	Below det lim	mg/Kg	25	4/12/2002		KG	SW846 7.3
% Solids	92.3	%		4/3/2002		RT	SM2540 B Mod

NOTE: Sample analyzed past the holding time for pH, Ignitability, Reactivity analysis per client request.

Lab ID No: AD06294 **Collection Date:** 3/29/2002
Client Id: JBD020329-05 **Matrix** Soil

Parameter	Results	Units	PQL	Start Date	Analyst	Method
VOC Preparation						
VOC Extraction (solid)	Lab ext			4/3/2002	AS	SW846 5035
Volatile Organic Compounds						
VOCs by GC/MS						
Acetone	Below det lim	ug/Kg	220	4/4/2002	KW	SW846 8260B
Acrylonitrile	Below det lim	ug/Kg	11.0	4/4/2002	KW	SW846 8260B
Benzene	Below det lim	ug/Kg	11.0	4/4/2002	KW	SW846 8260B
Bromobenzene	Below det lim	ug/Kg	11.0	4/4/2002	KW	SW846 8260B
Bromochloromethane	Below det lim	ug/Kg	11.0	4/4/2002	KW	SW846 8260B
Bromodichloromethane	Below det lim	ug/Kg	11.0	4/4/2002	KW	SW846 8260B
Bromoform	Below det lim	ug/Kg	11.0	4/4/2002	KW	SW846 8260B
Bromomethane	Below det lim	ug/Kg	22.0	4/4/2002	KW	SW846 8260B
2-Butanone (MEK)	Below det lim	ug/Kg	110	4/4/2002	KW	SW846 8260B
n-Butylbenzene	Below det lim	ug/Kg	11.0	4/4/2002	KW	SW846 8260B
sec-Butylbenzene	Below det lim	ug/Kg	11.0	4/4/2002	KW	SW846 8260B
tert-Butylbenzene	Below det lim	ug/Kg	11.0	4/4/2002	KW	SW846 8260B
Carbon disulfide	Below det lim	ug/Kg	55.0	4/4/2002	KW	SW846 8260B
Carbon tetrachloride	Below det lim	ug/Kg	11.0	4/4/2002	KW	SW846 8260B
Chlorobenzene	Below det lim	ug/Kg	11.0	4/4/2002	KW	SW846 8260B
Chloroethane	Below det lim	ug/Kg	22.0	4/4/2002	KW	SW846 8260B
Chloroform	Below det lim	ug/Kg	11.0	4/4/2002	KW	SW846 8260B
Chloromethane	Below det lim	ug/Kg	22.0	4/4/2002	KW	SW846 8260B
2-Chlorotoluene	Below det lim	ug/Kg	11.0	4/4/2002	KW	SW846 8260B
4-Chlorotoluene	Below det lim	ug/Kg	11.0	4/4/2002	KW	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	Below det lim	ug/Kg	22.0	4/4/2002	KW	SW846 8260B
Dibromochloromethane	Below det lim	ug/Kg	11.0	4/4/2002	KW	SW846 8260B
1,2-Dibromoethane (EDB)	Below det lim	ug/Kg	11.0	4/4/2002	KW	SW846 8260B
Dibromomethane	Below det lim	ug/Kg	11.0	4/4/2002	KW	SW846 8260B
1,2-Dichlorobenzene	Below det lim	ug/Kg	11.0	4/4/2002	KW	SW846 8260B
1,3-Dichlorobenzene	Below det lim	ug/Kg	11.0	4/4/2002	KW	SW846 8260B
1,4-Dichlorobenzene	Below det lim	ug/Kg	11.0	4/4/2002	KW	SW846 8260B
Dichlorodifluoromethane	Below det lim	ug/Kg	22.0	4/4/2002	KW	SW846 8260B
1,1-Dichloroethane	Below det lim	ug/Kg	11.0	4/4/2002	KW	SW846 8260B
1,2-Dichloroethane	Below det lim	ug/Kg	11.0	4/4/2002	KW	SW846 8260B
1,1-Dichloroethene	Below det lim	ug/Kg	11.0	4/4/2002	KW	SW846 8260B
cis-1,2-Dichloroethene	Below det lim	ug/Kg	11.0	4/4/2002	KW	SW846 8260B
trans-1,2-Dichloroethene	Below det lim	ug/Kg	11.0	4/4/2002	KW	SW846 8260B
1,2-Dichloropropane	Below det lim	ug/Kg	11.0	4/4/2002	KW	SW846 8260B
1,3-Dichloropropane	Below det lim	ug/Kg	11.0	4/4/2002	KW	SW846 8260B
2,2-Dichloropropane	Below det lim	ug/Kg	11.0	4/4/2002	KW	SW846 8260B
1,1-Dichloropropene	Below det lim	ug/Kg	11.0	4/4/2002	KW	SW846 8260B

Lab ID No: AD06294 **Collection Date:** 3/29/2002
Client Id: JBD020329-05 **Matrix** Soil

Parameter	Results	Units	PQL	Start Date	Analyst	Method
cis-1,3-Dichloropropene	Below det lim	ug/Kg	11.0	4/4/2002	KW	SW846 8260B
trans-1,3-Dichloropropene	Below det lim	ug/Kg	11.0	4/4/2002	KW	SW846 8260B
Ethylbenzene	Below det lim	ug/Kg	11.0	4/4/2002	KW	SW846 8260B
Hexachlorobutadiene	Below det lim	ug/Kg	11.0	4/4/2002	KW	SW846 8260B
2-Hexanone (MBK)	Below det lim	ug/Kg	110	4/4/2002	KW	SW846 8260B
Isopropylbenzene	Below det lim	ug/Kg	11.0	4/4/2002	KW	SW846 8260B
4-Isopropyltoluene	Below det lim	ug/Kg	11.0	4/4/2002	KW	SW846 8260B
Methyl-tert-butyl ether (MTBE)	Below det lim	ug/Kg	11.0	4/4/2002	KW	SW846 8260B
4-Methyl-2-pentanone (MIBK)	Below det lim	ug/Kg	110	4/4/2002	KW	SW846 8260B
Methylene chloride	Below det lim	ug/Kg	18.0	4/4/2002	KW	SW846 8260B
Naphthalene	Below det lim	ug/Kg	11.0	4/4/2002	KW	SW846 8260B
n-Propylbenzene	Below det lim	ug/Kg	11.0	4/4/2002	KW	SW846 8260B
Styrene	Below det lim	ug/Kg	11.0	4/4/2002	KW	SW846 8260B
1,1,1,2-Tetrachloroethane	Below det lim	ug/Kg	11.0	4/4/2002	KW	SW846 8260B
1,1,2,2-Tetrachloroethane	Below det lim	ug/Kg	11.0	4/4/2002	KW	SW846 8260B
Tetrachloroethene (PCE)	Below det lim	ug/Kg	11.0	4/4/2002	KW	SW846 8260B
Toluene	Below det lim	ug/Kg	11.0	4/4/2002	KW	SW846 8260B
1,2,3-Trichlorobenzene	Below det lim	ug/Kg	11.0	4/4/2002	KW	SW846 8260B
1,2,4-Trichlorobenzene	Below det lim	ug/Kg	11.0	4/4/2002	KW	SW846 8260B
1,1,1-Trichloroethane	Below det lim	ug/Kg	11.0	4/4/2002	KW	SW846 8260B
1,1,2-Trichloroethane	Below det lim	ug/Kg	11.0	4/4/2002	KW	SW846 8260B
Trichloroethene (TCE)	Below det lim	ug/Kg	11.0	4/4/2002	KW	SW846 8260B
Trichlorofluoromethane	Below det lim	ug/Kg	11.0	4/4/2002	KW	SW846 8260B
1,2,3-Trichloropropane	Below det lim	ug/Kg	11.0	4/4/2002	KW	SW846 8260B
1,2,4-Trimethylbenzene	Below det lim	ug/Kg	11.0	4/4/2002	KW	SW846 8260B
1,3,5-Trimethylbenzene	Below det lim	ug/Kg	11.0	4/4/2002	KW	SW846 8260B
Vinyl chloride	Below det lim	ug/Kg	11.0	4/4/2002	KW	SW846 8260B
m,p-Xylenes	Below det lim	ug/Kg	22.0	4/4/2002	KW	SW846 8260B
o-Xylene	Below det lim	ug/Kg	11.0	4/4/2002	KW	SW846 8260B
4-Bromofluorobenzene (%SR)	98	ug/Kg	0.000	4/4/2002	KW	SW846 8260B
1,4-Difluorobenzene (%SR)	97	ug/Kg	0.000	4/4/2002	KW	SW846 8260B
Chlorobenzene-d5 (%SR)	100	ug/Kg	0.000	4/4/2002	KW	SW846 8260B
TPH Preparation						
Ultrasonic Extraction	Completed			4/3/2002	RT	SW846 3550B
Petroleum Hydrocarbon Analysis						
Extractable TPH						
Total Petroleum Hydrocarbons (C9-C36)	63	mg/Kg	10	4/5/2002	JD	CT ETPH
Gasoline	Below det lim	mg/Kg	10	4/5/2002	JD	CT ETPH
Fuel Oil #2	Below det lim	mg/Kg	10	4/5/2002	JD	CT ETPH
Fuel Oil #4	Below det lim	mg/Kg	10	4/5/2002	JD	CT ETPH
Fuel Oil #6	Below det lim	mg/Kg	10	4/5/2002	JD	CT ETPH

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Client Id: JBD020329-05 **Matrix** Soil

Parameter	Results	Units	PQL	Start Date	Analyst	Method
Motor Oil	Below det lim	mg/Kg	10	4/5/2002	JD	CT ETPH
Aviation Fuel	Below det lim	mg/Kg	10	4/5/2002	JD	CT ETPH
Unidentified	63	mg/Kg	10	4/5/2002	JD	CT ETPH
Other Oil	*	mg/Kg	10	4/5/2002	JD	CT ETPH
1-Chloro-octadecane (%SR)	74	mg/Kg	0.	4/5/2002	JD	CT ETPH
Metals Preparation						
Mercury Digestion	Completed			4/4/2002	LFR	EPA 245.1
Metals Digestion	Completed			4/4/2002	LFR	EPA 200.7
Metals Analysis						
Total RCRA8 Metals						
Total Arsenic	Below det lim	mg/Kg	2.71	4/6/2002	REC	EPA 200.7
Total Barium	7.60	mg/Kg	0.903	4/6/2002	REC	EPA 200.7
Total Cadmium	Below det lim	mg/Kg	0.451	4/6/2002	REC	EPA 200.7
Total Chromium	3.38	mg/Kg	0.903	4/6/2002	REC	EPA 200.7
Total Lead	Below det lim	mg/Kg	1.35	4/6/2002	REC	EPA 200.7
Total Selenium	Below det lim	mg/Kg	2.71	4/6/2002	REC	EPA 200.7
Total Silver	Below det lim	mg/Kg	1.81	4/6/2002	REC	EPA 200.7
Total Mercury	Below det lim	mg/Kg	0.185	4/5/2002	EPC	EPA 245.1
% Solids	93.3	%		4/3/2002	RT	SM2540 B Mod

Lab ID No: AD06295 **Collection Date:** 3/29/2002
Client Id: JBD020329-06 **Matrix** Soil

Parameter	Results	Units	PQL	Start Date	Analyst	Method
VOC Preparation						
VOC Extraction (solid)	Lab ext			4/3/2002	AS	SW846 5035
Volatile Organic Compounds						
VOCs by GC/MS						
Acetone	Below det lim	ug/Kg	240	4/4/2002	KW	SW846 8260B
Acrylonitrile	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
Benzene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
Bromobenzene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
Bromochloromethane	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
Bromodichloromethane	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
Bromoform	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
Bromomethane	Below det lim	ug/Kg	24.0	4/4/2002	KW	SW846 8260B
2-Butanone (MEK)	Below det lim	ug/Kg	120	4/4/2002	KW	SW846 8260B
n-Butylbenzene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
sec-Butylbenzene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
tert-Butylbenzene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
Carbon disulfide	Below det lim	ug/Kg	60.0	4/4/2002	KW	SW846 8260B
Carbon tetrachloride	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
Chlorobenzene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
Chloroethane	Below det lim	ug/Kg	24.0	4/4/2002	KW	SW846 8260B
Chloroform	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
Chloromethane	Below det lim	ug/Kg	24.0	4/4/2002	KW	SW846 8260B
2-Chlorotoluene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
4-Chlorotoluene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	Below det lim	ug/Kg	24.0	4/4/2002	KW	SW846 8260B
Dibromochloromethane	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
1,2-Dibromoethane (EDB)	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
Dibromomethane	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
1,2-Dichlorobenzene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
1,3-Dichlorobenzene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
1,4-Dichlorobenzene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
Dichlorodifluoromethane	Below det lim	ug/Kg	24.0	4/4/2002	KW	SW846 8260B
1,1-Dichloroethane	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
1,2-Dichloroethane	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
1,1-Dichloroethene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
cis-1,2-Dichloroethene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
trans-1,2-Dichloroethene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
1,2-Dichloropropane	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
1,3-Dichloropropane	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
2,2-Dichloropropane	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
1,1-Dichloropropene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B

Lab ID No: AD06295 **Collection Date:** 3/29/2002
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Parameter	Results	Units	PQL	Start Date	Analyst	Method
cis-1,3-Dichloropropene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
trans-1,3-Dichloropropene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
Ethylbenzene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
Hexachlorobutadiene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
2-Hexanone (MBK)	Below det lim	ug/Kg	120	4/4/2002	KW	SW846 8260B
Isopropylbenzene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
4-Isopropyltoluene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
Methyl-tert-butyl ether (MTBE)	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
4-Methyl-2-pentanone (MIBK)	Below det lim	ug/Kg	120	4/4/2002	KW	SW846 8260B
Methylene chloride	Below det lim	ug/Kg	19.0	4/4/2002	KW	SW846 8260B
Naphthalene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
n-Propylbenzene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
Styrene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
1,1,1,2-Tetrachloroethane	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
1,1,2,2-Tetrachloroethane	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
Tetrachloroethene (PCE)	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
Toluene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
1,2,3-Trichlorobenzene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
1,2,4-Trichlorobenzene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
1,1,1-Trichloroethane	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
1,1,2-Trichloroethane	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
Trichloroethene (TCE)	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
Trichlorofluoromethane	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
1,2,3-Trichloropropane	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
1,2,4-Trimethylbenzene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
1,3,5-Trimethylbenzene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
Vinyl chloride	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
m,p-Xylenes	Below det lim	ug/Kg	24.0	4/4/2002	KW	SW846 8260B
o-Xylene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
4-Bromofluorobenzene (%SR)	94	ug/Kg	0.000	4/4/2002	KW	SW846 8260B
1,4-Difluorobenzene (%SR)	98	ug/Kg	0.000	4/4/2002	KW	SW846 8260B
Chlorobenzene-d5 (%SR)	97	ug/Kg	0.000	4/4/2002	KW	SW846 8260B
TPH Preparation						
Ultrasonic Extraction	Completed			4/3/2002	RT	SW846 3550B
Petroleum Hydrocarbon Analysis						
Extractable TPH						
Total Petroleum Hydrocarbons (C9-C36)	83	mg/Kg	20	4/5/2002	JD	CT ETPH
Gasoline	Below det lim	mg/Kg	20	4/5/2002	JD	CT ETPH
Fuel Oil #2	Below det lim	mg/Kg	20	4/5/2002	JD	CT ETPH
Fuel Oil #4	Below det lim	mg/Kg	20	4/5/2002	JD	CT ETPH
Fuel Oil #6	Below det lim	mg/Kg	20	4/5/2002	JD	CT ETPH

Lab ID No: AD06295 **Collection Date:** 3/29/2002
Client Id: JBD020329-06 **Matrix** Soil

Parameter	Results	Units	PQL	Start Date	Analyst	Method
Motor Oil	Below det lim	mg/Kg	20	4/5/2002	JD	CT ETPH
Aviation Fuel	Below det lim	mg/Kg	20	4/5/2002	JD	CT ETPH
Unidentified	83	mg/Kg	20	4/5/2002	JD	CT ETPH
Other Oil	*	mg/Kg	20	4/5/2002	JD	CT ETPH
1-Chloro-octadecane (%SR)	72	mg/Kg	0.	4/5/2002	JD	CT ETPH
Metals Preparation						
Mercury Digestion	Completed			4/4/2002	LFR	EPA 245.1
Metals Digestion	Completed			4/4/2002	LFR	EPA 200.7
Metals Analysis						
Total RCRA8 Metals						
Total Arsenic	Below det lim	mg/Kg	2.93	4/6/2002	REC	EPA 200.7
Total Barium	14.9	mg/Kg	0.976	4/6/2002	REC	EPA 200.7
Total Cadmium	Below det lim	mg/Kg	0.488	4/6/2002	REC	EPA 200.7
Total Chromium	5.54	mg/Kg	0.976	4/6/2002	REC	EPA 200.7
Total Lead	2.57	mg/Kg	1.46	4/6/2002	REC	EPA 200.7
Total Selenium	Below det lim	mg/Kg	3.25	4/6/2002	REC	EPA 200.7
Total Silver	Below det lim	mg/Kg	1.95	4/6/2002	REC	EPA 200.7
Total Mercury	Below det lim	mg/Kg	0.191	4/5/2002	EPC	EPA 245.1
% Solids	88.5	%		4/3/2002	RT	SM2540 B Mod

Lab ID No: AD06296 **Collection Date:** 3/29/2002
Client Id: JBD020329-08 **Matrix** Soil

Parameter	Results	Units	PQL	Start Date	Analyst	Method
VOC Preparation						
VOC Extraction (solid)	Lab ext			4/3/2002	AS	SW846 5035
Volatile Organic Compounds						
VOCs by GC/MS						
Acetone	Below det lim	ug/Kg	240	4/4/2002	KW	SW846 8260B
Acrylonitrile	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
Benzene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
Bromobenzene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
Bromochloromethane	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
Bromodichloromethane	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
Bromoform	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
Bromomethane	Below det lim	ug/Kg	24.0	4/4/2002	KW	SW846 8260B
2-Butanone (MEK)	Below det lim	ug/Kg	120	4/4/2002	KW	SW846 8260B
n-Butylbenzene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
sec-Butylbenzene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
tert-Butylbenzene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
Carbon disulfide	Below det lim	ug/Kg	60.0	4/4/2002	KW	SW846 8260B
Carbon tetrachloride	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
Chlorobenzene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
Chloroethane	Below det lim	ug/Kg	24.0	4/4/2002	KW	SW846 8260B
Chloroform	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
Chloromethane	Below det lim	ug/Kg	24.0	4/4/2002	KW	SW846 8260B
2-Chlorotoluene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
4-Chlorotoluene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	Below det lim	ug/Kg	24.0	4/4/2002	KW	SW846 8260B
Dibromochloromethane	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
1,2-Dibromoethane (EDB)	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
Dibromomethane	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
1,2-Dichlorobenzene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
1,3-Dichlorobenzene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
1,4-Dichlorobenzene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
Dichlorodifluoromethane	Below det lim	ug/Kg	24.0	4/4/2002	KW	SW846 8260B
1,1-Dichloroethane	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
1,2-Dichloroethane	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
1,1-Dichloroethene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
cis-1,2-Dichloroethene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
trans-1,2-Dichloroethene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
1,2-Dichloropropane	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
1,3-Dichloropropane	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
2,2-Dichloropropane	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
1,1-Dichloropropene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B

Lab ID No: AD06296 **Collection Date:** 3/29/2002
Client Id: JBD020329-08 **Matrix** Soil

Parameter	Results	Units	PQL	Start Date	Analyst	Method
cis-1,3-Dichloropropene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
trans-1,3-Dichloropropene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
Ethylbenzene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
Hexachlorobutadiene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
2-Hexanone (MBK)	Below det lim	ug/Kg	120	4/4/2002	KW	SW846 8260B
Isopropylbenzene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
4-Isopropyltoluene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
Methyl-tert-butyl ether (MTBE)	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
4-Methyl-2-pentanone (MIBK)	Below det lim	ug/Kg	120	4/4/2002	KW	SW846 8260B
Methylene chloride	Below det lim	ug/Kg	22.0	4/4/2002	KW	SW846 8260B
Naphthalene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
n-Propylbenzene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
Styrene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
1,1,1,2-Tetrachloroethane	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
1,1,2,2-Tetrachloroethane	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
Tetrachloroethene (PCE)	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
Toluene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
1,2,3-Trichlorobenzene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
1,2,4-Trichlorobenzene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
1,1,1-Trichloroethane	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
1,1,2-Trichloroethane	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
Trichloroethene (TCE)	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
Trichlorofluoromethane	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
1,2,3-Trichloropropane	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
1,2,4-Trimethylbenzene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
1,3,5-Trimethylbenzene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
Vinyl chloride	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
m,p-Xylenes	Below det lim	ug/Kg	24.0	4/4/2002	KW	SW846 8260B
o-Xylene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
4-Bromofluorobenzene (%SR)	94	ug/Kg	0.000	4/4/2002	KW	SW846 8260B
1,4-Difluorobenzene (%SR)	97	ug/Kg	0.000	4/4/2002	KW	SW846 8260B
Chlorobenzene-d5 (%SR)	97	ug/Kg	0.000	4/4/2002	KW	SW846 8260B
TPH Preparation						
Ultrasonic Extraction	Completed			4/3/2002	RT	SW846 3550B
Petroleum Hydrocarbon Analysis						
Extractable TPH						
Total Petroleum Hydrocarbons (C9-C36)	Below det lim	mg/Kg	10	4/5/2002	JD	CT ETPH
Gasoline	Below det lim	mg/Kg	10	4/5/2002	JD	CT ETPH
Fuel Oil #2	Below det lim	mg/Kg	10	4/5/2002	JD	CT ETPH
Fuel Oil #4	Below det lim	mg/Kg	10	4/5/2002	JD	CT ETPH
Fuel Oil #6	Below det lim	mg/Kg	10	4/5/2002	JD	CT ETPH

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Client Id: JBD020329-08 **Matrix** Soil

Parameter	Results	Units	PQL	Start Date	Analyst	Method
Motor Oil	Below det lim	mg/Kg	10	4/5/2002	JD	CT ETPH
Aviation Fuel	Below det lim	mg/Kg	10	4/5/2002	JD	CT ETPH
Unidentified	Below det lim	mg/Kg	10	4/5/2002	JD	CT ETPH
Other Oil	Below det lim	mg/Kg	10	4/5/2002	JD	CT ETPH
1-Chloro-octadecane (%SR)	75	mg/Kg	0.	4/5/2002	JD	CT ETPH
SVOC Preparation						
Ultrasonic Extraction	Completed			4/3/2002	RT	SW846 3550B
Semivolatile Organic Compounds						
PAHs by GC/MS						
Naphthalene	Below det lim	ug/Kg	143	4/5/2002	MSL	SW846 8270C
2-Methylnaphthalene	Below det lim	ug/Kg	143	4/5/2002	MSL	SW846 8270C
1-Methylnaphthalene	Below det lim	ug/Kg	143	4/5/2002	MSL	SW846 8270C
Acenaphthylene	Below det lim	ug/Kg	143	4/5/2002	MSL	SW846 8270C
Acenaphthene	Below det lim	ug/Kg	143	4/5/2002	MSL	SW846 8270C
Fluorene	Below det lim	ug/Kg	143	4/5/2002	MSL	SW846 8270C
Phenanthrene	Below det lim	ug/Kg	143	4/5/2002	MSL	SW846 8270C
Anthracene	Below det lim	ug/Kg	143	4/5/2002	MSL	SW846 8270C
Fluoranthene	Below det lim	ug/Kg	143	4/5/2002	MSL	SW846 8270C
Pyrene	Below det lim	ug/Kg	143	4/5/2002	MSL	SW846 8270C
Benzo (a) anthracene	Below det lim	ug/Kg	143	4/5/2002	MSL	SW846 8270C
Chrysene	Below det lim	ug/Kg	143	4/5/2002	MSL	SW846 8270C
Benzo (b) fluoranthene	Below det lim	ug/Kg	143	4/5/2002	MSL	SW846 8270C
Benzo (k) fluoranthene	Below det lim	ug/Kg	143	4/5/2002	MSL	SW846 8270C
Benzo (a) pyrene	Below det lim	ug/Kg	143	4/5/2002	MSL	SW846 8270C
Indeno (1,2,3-cd) pyrene	Below det lim	ug/Kg	143	4/5/2002	MSL	SW846 8270C
Dibenzo (a,h) anthracene	Below det lim	ug/Kg	143	4/5/2002	MSL	SW846 8270C
Benzo (g,h,i) perylene	Below det lim	ug/Kg	143	4/5/2002	MSL	SW846 8270C
2-Fluorobiphenyl (%SR)	59	ug/Kg	0.000	4/5/2002	MSL	SW846 8270C
Terphenyl-d14 (%SR)	65	ug/Kg	0.000	4/5/2002	MSL	SW846 8270C
Semivolatile Organic Compounds						
Polychlorinated Biphenyls by GC						
PCB-1016	Below det lim	ug/Kg	30	4/3/2002	TG	SW846 8082
PCB-1221	Below det lim	ug/Kg	30	4/3/2002	TG	SW846 8082
PCB-1232	Below det lim	ug/Kg	30	4/3/2002	TG	SW846 8082
PCB-1242	Below det lim	ug/Kg	30	4/3/2002	TG	SW846 8082
PCB-1248	Below det lim	ug/Kg	30	4/3/2002	TG	SW846 8082
PCB-1254	Below det lim	ug/Kg	30	4/3/2002	TG	SW846 8082
PCB-1260	Below det lim	ug/Kg	30	4/3/2002	TG	SW846 8082
Decachlorobiphenyl (%SR)	95	ug/Kg	0.00	4/3/2002	TG	SW846 8082
Metals Preparation						

Lab ID No: AD06296 **Collection Date:** 3/29/2002
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Parameter	Results	Units	PQL	Start Date	Analyst	Method
Mercury Digestion	Completed			4/4/2002	LFR	EPA 245.1
Metals Digestion	Completed			4/4/2002	LFR	EPA 200.7
Metals Analysis						
Total RCRA8 Metals						
Total Arsenic	Below det lim	mg/Kg	2.70	4/6/2002	REC	EPA 200.7
Total Barium	9.52	mg/Kg	0.899	4/6/2002	REC	EPA 200.7
Total Cadmium	Below det lim	mg/Kg	0.450	4/6/2002	REC	EPA 200.7
Total Chromium	3.84	mg/Kg	0.899	4/6/2002	REC	EPA 200.7
Total Lead	Below det lim	mg/Kg	1.35	4/6/2002	REC	EPA 200.7
Total Selenium	Below det lim	mg/Kg	2.95	4/6/2002	REC	EPA 200.7
Total Silver	Below det lim	mg/Kg	1.80	4/6/2002	REC	EPA 200.7
Total Mercury	Below det lim	mg/Kg	0.182	4/5/2002	EPC	EPA 245.1
% Solids	94.4	%		4/3/2002	RT	SM2540 B Mod

Lab ID No: AD06297 **Collection Date:** 3/29/2002
Client Id: JBD020329-09 **Matrix** Soil

Parameter	Results	Units	PQL	Start Date	Analyst	Method
VOC Preparation						
VOC Extraction (solid)	Lab ext			4/3/2002	AS	SW846 5035
Volatile Organic Compounds						
VOCs by GC/MS						
Acetone	Below det lim	ug/Kg	240	4/4/2002	KW	SW846 8260B
Acrylonitrile	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
Benzene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
Bromobenzene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
Bromochloromethane	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
Bromodichloromethane	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
Bromoform	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
Bromomethane	Below det lim	ug/Kg	24.0	4/4/2002	KW	SW846 8260B
2-Butanone (MEK)	Below det lim	ug/Kg	120	4/4/2002	KW	SW846 8260B
n-Butylbenzene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
sec-Butylbenzene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
tert-Butylbenzene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
Carbon disulfide	Below det lim	ug/Kg	60.0	4/4/2002	KW	SW846 8260B
Carbon tetrachloride	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
Chlorobenzene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
Chloroethane	Below det lim	ug/Kg	24.0	4/4/2002	KW	SW846 8260B
Chloroform	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
Chloromethane	Below det lim	ug/Kg	24.0	4/4/2002	KW	SW846 8260B
2-Chlorotoluene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
4-Chlorotoluene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	Below det lim	ug/Kg	24.0	4/4/2002	KW	SW846 8260B
Dibromochloromethane	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
1,2-Dibromoethane (EDB)	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
Dibromomethane	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
1,2-Dichlorobenzene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
1,3-Dichlorobenzene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
1,4-Dichlorobenzene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
Dichlorodifluoromethane	Below det lim	ug/Kg	24.0	4/4/2002	KW	SW846 8260B
1,1-Dichloroethane	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
1,2-Dichloroethane	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
1,1-Dichloroethene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
cis-1,2-Dichloroethene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
trans-1,2-Dichloroethene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
1,2-Dichloropropane	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
1,3-Dichloropropane	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
2,2-Dichloropropane	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
1,1-Dichloropropene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B

Lab ID No: AD06297 **Collection Date:** 3/29/2002
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Parameter	Results	Units	PQL	Start Date	Analyst	Method
cis-1,3-Dichloropropene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
trans-1,3-Dichloropropene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
Ethylbenzene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
Hexachlorobutadiene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
2-Hexanone (MBK)	Below det lim	ug/Kg	120	4/4/2002	KW	SW846 8260B
Isopropylbenzene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
4-Isopropyltoluene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
Methyl-tert-butyl ether (MTBE)	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
4-Methyl-2-pentanone (MIBK)	Below det lim	ug/Kg	120	4/4/2002	KW	SW846 8260B
Methylene chloride	Below det lim	ug/Kg	21.0	4/4/2002	KW	SW846 8260B
Naphthalene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
n-Propylbenzene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
Styrene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
1,1,1,2-Tetrachloroethane	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
1,1,2,2-Tetrachloroethane	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
Tetrachloroethene (PCE)	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
Toluene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
1,2,3-Trichlorobenzene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
1,2,4-Trichlorobenzene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
1,1,1-Trichloroethane	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
1,1,2-Trichloroethane	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
Trichloroethene (TCE)	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
Trichlorofluoromethane	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
1,2,3-Trichloropropane	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
1,2,4-Trimethylbenzene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
1,3,5-Trimethylbenzene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
Vinyl chloride	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
m,p-Xylenes	Below det lim	ug/Kg	24.0	4/4/2002	KW	SW846 8260B
o-Xylene	Below det lim	ug/Kg	12.0	4/4/2002	KW	SW846 8260B
4-Bromofluorobenzene (%SR)	94	ug/Kg	0.000	4/4/2002	KW	SW846 8260B
1,4-Difluorobenzene (%SR)	97	ug/Kg	0.000	4/4/2002	KW	SW846 8260B
Chlorobenzene-d5 (%SR)	95	ug/Kg	0.000	4/4/2002	KW	SW846 8260B
TPH Preparation						
Ultrasonic Extraction	Completed			4/3/2002	RT	SW846 3550B
Petroleum Hydrocarbon Analysis						
Extractable TPH						
Total Petroleum Hydrocarbons (C9-C36)	110	mg/Kg	20	4/5/2002	JD	CT ETPH
Gasoline	Below det lim	mg/Kg	20	4/5/2002	JD	CT ETPH
Fuel Oil #2	Below det lim	mg/Kg	20	4/5/2002	JD	CT ETPH
Fuel Oil #4	Below det lim	mg/Kg	20	4/5/2002	JD	CT ETPH
Fuel Oil #6	Below det lim	mg/Kg	20	4/5/2002	JD	CT ETPH

Lab ID No: AD06297 **Collection Date:** 3/29/2002
Client Id: JBD020329-09 **Matrix** Soil

Parameter	Results	Units	PQL	Start Date	Analyst	Method
Motor Oil	Below det lim	mg/Kg	20	4/5/2002	JD	CT ETPH
Aviation Fuel	Below det lim	mg/Kg	20	4/5/2002	JD	CT ETPH
Unidentified	110	mg/Kg	20	4/5/2002	JD	CT ETPH
Other Oil	*	mg/Kg	20	4/5/2002	JD	CT ETPH
1-Chloro-octadecane (%SR)	74	mg/Kg	0.	4/5/2002	JD	CT ETPH
Metals Preparation						
Mercury Digestion	Completed			4/4/2002	LFR	EPA 245.1
Metals Digestion	Completed			4/4/2002	LFR	EPA 200.7
Metals Analysis						
Total RCRA8 Metals						
Total Arsenic	Below det lim	mg/Kg	2.76	4/6/2002	REC	EPA 200.7
Total Barium	16.1	mg/Kg	0.921	4/6/2002	REC	EPA 200.7
Total Cadmium	Below det lim	mg/Kg	0.461	4/6/2002	REC	EPA 200.7
Total Chromium	7.77	mg/Kg	0.921	4/6/2002	REC	EPA 200.7
Total Lead	17.7	mg/Kg	1.38	4/6/2002	REC	EPA 200.7
Total Selenium	Below det lim	mg/Kg	2.76	4/6/2002	REC	EPA 200.7
Total Silver	Below det lim	mg/Kg	1.84	4/6/2002	REC	EPA 200.7
Total Mercury	Below det lim	mg/Kg	0.172	4/5/2002	EPC	EPA 245.1
% Solids	91.1	%		4/3/2002	RT	SM2540 B Mod

Lab ID No: AD06298 **Collection Date:** 3/29/2002
Client Id: JBD020329-10 **Matrix** Soil

Parameter	Results	Units	PQL	Start Date	Analyst	Method
VOC Preparation						
VOC Extraction (solid)	Lab ext			4/3/2002	AS	SW846 5035
Volatile Organic Compounds						
VOCs by GC/MS						
Acetone	Below det lim	ug/Kg	260	4/4/2002	RLJ	SW846 8260B
Acrylonitrile	Below det lim	ug/Kg	13.0	4/4/2002	RLJ	SW846 8260B
Benzene	Below det lim	ug/Kg	13.0	4/4/2002	RLJ	SW846 8260B
Bromobenzene	Below det lim	ug/Kg	13.0	4/4/2002	RLJ	SW846 8260B
Bromochloromethane	Below det lim	ug/Kg	13.0	4/4/2002	RLJ	SW846 8260B
Bromodichloromethane	Below det lim	ug/Kg	13.0	4/4/2002	RLJ	SW846 8260B
Bromoform	Below det lim	ug/Kg	13.0	4/4/2002	RLJ	SW846 8260B
Bromomethane	Below det lim	ug/Kg	26.0	4/4/2002	RLJ	SW846 8260B
2-Butanone (MEK)	Below det lim	ug/Kg	130	4/4/2002	RLJ	SW846 8260B
n-Butylbenzene	Below det lim	ug/Kg	13.0	4/4/2002	RLJ	SW846 8260B
sec-Butylbenzene	Below det lim	ug/Kg	13.0	4/4/2002	RLJ	SW846 8260B
tert-Butylbenzene	Below det lim	ug/Kg	13.0	4/4/2002	RLJ	SW846 8260B
Carbon disulfide	Below det lim	ug/Kg	65.0	4/4/2002	RLJ	SW846 8260B
Carbon tetrachloride	Below det lim	ug/Kg	13.0	4/4/2002	RLJ	SW846 8260B
Chlorobenzene	Below det lim	ug/Kg	13.0	4/4/2002	RLJ	SW846 8260B
Chloroethane	Below det lim	ug/Kg	26.0	4/4/2002	RLJ	SW846 8260B
Chloroform	Below det lim	ug/Kg	13.0	4/4/2002	RLJ	SW846 8260B
Chloromethane	Below det lim	ug/Kg	26.0	4/4/2002	RLJ	SW846 8260B
2-Chlorotoluene	Below det lim	ug/Kg	13.0	4/4/2002	RLJ	SW846 8260B
4-Chlorotoluene	Below det lim	ug/Kg	13.0	4/4/2002	RLJ	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	Below det lim	ug/Kg	26.0	4/4/2002	RLJ	SW846 8260B
Dibromochloromethane	Below det lim	ug/Kg	13.0	4/4/2002	RLJ	SW846 8260B
1,2-Dibromoethane (EDB)	Below det lim	ug/Kg	13.0	4/4/2002	RLJ	SW846 8260B
Dibromomethane	Below det lim	ug/Kg	13.0	4/4/2002	RLJ	SW846 8260B
1,2-Dichlorobenzene	Below det lim	ug/Kg	13.0	4/4/2002	RLJ	SW846 8260B
1,3-Dichlorobenzene	Below det lim	ug/Kg	13.0	4/4/2002	RLJ	SW846 8260B
1,4-Dichlorobenzene	Below det lim	ug/Kg	13.0	4/4/2002	RLJ	SW846 8260B
Dichlorodifluoromethane	Below det lim	ug/Kg	26.0	4/4/2002	RLJ	SW846 8260B
1,1-Dichloroethane	Below det lim	ug/Kg	13.0	4/4/2002	RLJ	SW846 8260B
1,2-Dichloroethane	Below det lim	ug/Kg	13.0	4/4/2002	RLJ	SW846 8260B
1,1-Dichloroethene	Below det lim	ug/Kg	13.0	4/4/2002	RLJ	SW846 8260B
cis-1,2-Dichloroethene	Below det lim	ug/Kg	13.0	4/4/2002	RLJ	SW846 8260B
trans-1,2-Dichloroethene	Below det lim	ug/Kg	13.0	4/4/2002	RLJ	SW846 8260B
1,2-Dichloropropane	Below det lim	ug/Kg	13.0	4/4/2002	RLJ	SW846 8260B
1,3-Dichloropropane	Below det lim	ug/Kg	13.0	4/4/2002	RLJ	SW846 8260B
2,2-Dichloropropane	Below det lim	ug/Kg	13.0	4/4/2002	RLJ	SW846 8260B
1,1-Dichloropropene	Below det lim	ug/Kg	13.0	4/4/2002	RLJ	SW846 8260B

Lab ID No: AD06298 **Collection Date:** 3/29/2002
Client Id: JBD020329-10 **Matrix** Soil

Parameter	Results	Units	PQL	Start Date	Analyst	Method
cis-1,3-Dichloropropene	Below det lim	ug/Kg	13.0	4/4/2002	RLJ	SW846 8260B
trans-1,3-Dichloropropene	Below det lim	ug/Kg	13.0	4/4/2002	RLJ	SW846 8260B
Ethylbenzene	Below det lim	ug/Kg	13.0	4/4/2002	RLJ	SW846 8260B
Hexachlorobutadiene	Below det lim	ug/Kg	13.0	4/4/2002	RLJ	SW846 8260B
2-Hexanone (MBK)	Below det lim	ug/Kg	130	4/4/2002	RLJ	SW846 8260B
Isopropylbenzene	Below det lim	ug/Kg	13.0	4/4/2002	RLJ	SW846 8260B
4-Isopropyltoluene	Below det lim	ug/Kg	13.0	4/4/2002	RLJ	SW846 8260B
Methyl-tert-butyl ether (MTBE)	Below det lim	ug/Kg	13.0	4/4/2002	RLJ	SW846 8260B
4-Methyl-2-pentanone (MIBK)	Below det lim	ug/Kg	130	4/4/2002	RLJ	SW846 8260B
Methylene chloride	Below det lim	ug/Kg	30.0	4/4/2002	RLJ	SW846 8260B
Naphthalene	Below det lim	ug/Kg	13.0	4/4/2002	RLJ	SW846 8260B
n-Propylbenzene	Below det lim	ug/Kg	13.0	4/4/2002	RLJ	SW846 8260B
Styrene	Below det lim	ug/Kg	13.0	4/4/2002	RLJ	SW846 8260B
1,1,1,2-Tetrachloroethane	Below det lim	ug/Kg	13.0	4/4/2002	RLJ	SW846 8260B
1,1,2,2-Tetrachloroethane	Below det lim	ug/Kg	13.0	4/4/2002	RLJ	SW846 8260B
Tetrachloroethene (PCE)	Below det lim	ug/Kg	13.0	4/4/2002	RLJ	SW846 8260B
Toluene	Below det lim	ug/Kg	13.0	4/4/2002	RLJ	SW846 8260B
1,2,3-Trichlorobenzene	Below det lim	ug/Kg	13.0	4/4/2002	RLJ	SW846 8260B
1,2,4-Trichlorobenzene	Below det lim	ug/Kg	13.0	4/4/2002	RLJ	SW846 8260B
1,1,1-Trichloroethane	Below det lim	ug/Kg	13.0	4/4/2002	RLJ	SW846 8260B
1,1,2-Trichloroethane	Below det lim	ug/Kg	13.0	4/4/2002	RLJ	SW846 8260B
Trichloroethene (TCE)	Below det lim	ug/Kg	13.0	4/4/2002	RLJ	SW846 8260B
Trichlorofluoromethane	Below det lim	ug/Kg	13.0	4/4/2002	RLJ	SW846 8260B
1,2,3-Trichloropropane	Below det lim	ug/Kg	13.0	4/4/2002	RLJ	SW846 8260B
1,2,4-Trimethylbenzene	Below det lim	ug/Kg	13.0	4/4/2002	RLJ	SW846 8260B
1,3,5-Trimethylbenzene	Below det lim	ug/Kg	13.0	4/4/2002	RLJ	SW846 8260B
Vinyl chloride	Below det lim	ug/Kg	13.0	4/4/2002	RLJ	SW846 8260B
m,p-Xylenes	Below det lim	ug/Kg	26.0	4/4/2002	RLJ	SW846 8260B
o-Xylene	Below det lim	ug/Kg	13.0	4/4/2002	RLJ	SW846 8260B
4-Bromofluorobenzene (%SR)	105	ug/Kg	0.000	4/4/2002	RLJ	SW846 8260B
1,4-Difluorobenzene (%SR)	104	ug/Kg	0.000	4/4/2002	RLJ	SW846 8260B
Chlorobenzene-d5 (%SR)	113	ug/Kg	0.000	4/4/2002	RLJ	SW846 8260B
TPH Preparation						
Ultrasonic Extraction	Completed			4/3/2002	RT	SW846 3550B
Petroleum Hydrocarbon Analysis						
Extractable TPH						
Total Petroleum Hydrocarbons (C9-C36)	77	mg/Kg	20	4/5/2002	JD	CT ETPH
Gasoline	Below det lim	mg/Kg	20	4/5/2002	JD	CT ETPH
Fuel Oil #2	Below det lim	mg/Kg	20	4/5/2002	JD	CT ETPH
Fuel Oil #4	Below det lim	mg/Kg	20	4/5/2002	JD	CT ETPH
Fuel Oil #6	Below det lim	mg/Kg	20	4/5/2002	JD	CT ETPH

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Client Id: JBD020329-10 **Matrix** Soil

Parameter	Results	Units	PQL	Start Date	Analyst	Method
Motor Oil	Below det lim	mg/Kg	20	4/5/2002	JD	CT ETPH
Aviation Fuel	Below det lim	mg/Kg	20	4/5/2002	JD	CT ETPH
Unidentified	77	mg/Kg	20	4/5/2002	JD	CT ETPH
Other Oil	*	mg/Kg	20	4/5/2002	JD	CT ETPH
1-Chloro-octadecane (%SR)	73	mg/Kg	0.	4/5/2002	JD	CT ETPH
Metals Preparation						
Mercury Digestion	Completed			4/4/2002	LFR	EPA 245.1
Metals Digestion	Completed			4/4/2002	LFR	EPA 200.7
Metals Analysis						
Total RCRA8 Metals						
Total Arsenic	Below det lim	mg/Kg	3.04	4/6/2002	REC	EPA 200.7
Total Barium	17.6	mg/Kg	1.01	4/6/2002	REC	EPA 200.7
Total Cadmium	Below det lim	mg/Kg	0.507	4/6/2002	REC	EPA 200.7
Total Chromium	5.40	mg/Kg	1.01	4/6/2002	REC	EPA 200.7
Total Lead	Below det lim	mg/Kg	1.52	4/6/2002	REC	EPA 200.7
Total Selenium	Below det lim	mg/Kg	3.04	4/6/2002	REC	EPA 200.7
Total Silver	Below det lim	mg/Kg	2.03	4/6/2002	REC	EPA 200.7
Total Mercury	Below det lim	mg/Kg	0.183	4/5/2002	EPC	EPA 245.1
% Solids	86.9	%		4/3/2002	RT	SM2540 B Mod

Lab ID No: AD06299 **Collection Date:** 3/29/2002
Client Id: JBD020329-11 **Matrix** Soil

Parameter	Results	Units	PQL	Start Date	Analyst	Method
VOC Preparation						
VOC Extraction (solid)	Lab ext			4/3/2002	AS	SW846 5035
Volatile Organic Compounds						
VOCs by GC/MS						
Acetone	Below det lim	ug/Kg	196	4/4/2002	RLJ	SW846 8260B
Acrylonitrile	Below det lim	ug/Kg	9.80	4/4/2002	RLJ	SW846 8260B
Benzene	Below det lim	ug/Kg	9.80	4/4/2002	RLJ	SW846 8260B
Bromobenzene	Below det lim	ug/Kg	9.80	4/4/2002	RLJ	SW846 8260B
Bromochloromethane	Below det lim	ug/Kg	9.80	4/4/2002	RLJ	SW846 8260B
Bromodichloromethane	Below det lim	ug/Kg	9.80	4/4/2002	RLJ	SW846 8260B
Bromoform	Below det lim	ug/Kg	9.80	4/4/2002	RLJ	SW846 8260B
Bromomethane	Below det lim	ug/Kg	19.6	4/4/2002	RLJ	SW846 8260B
2-Butanone (MEK)	Below det lim	ug/Kg	98.0	4/4/2002	RLJ	SW846 8260B
n-Butylbenzene	Below det lim	ug/Kg	9.80	4/4/2002	RLJ	SW846 8260B
sec-Butylbenzene	Below det lim	ug/Kg	9.80	4/4/2002	RLJ	SW846 8260B
tert-Butylbenzene	Below det lim	ug/Kg	9.80	4/4/2002	RLJ	SW846 8260B
Carbon disulfide	Below det lim	ug/Kg	49.0	4/4/2002	RLJ	SW846 8260B
Carbon tetrachloride	Below det lim	ug/Kg	9.80	4/4/2002	RLJ	SW846 8260B
Chlorobenzene	Below det lim	ug/Kg	9.80	4/4/2002	RLJ	SW846 8260B
Chloroethane	Below det lim	ug/Kg	19.6	4/4/2002	RLJ	SW846 8260B
Chloroform	Below det lim	ug/Kg	9.80	4/4/2002	RLJ	SW846 8260B
Chloromethane	Below det lim	ug/Kg	19.6	4/4/2002	RLJ	SW846 8260B
2-Chlorotoluene	Below det lim	ug/Kg	9.80	4/4/2002	RLJ	SW846 8260B
4-Chlorotoluene	Below det lim	ug/Kg	9.80	4/4/2002	RLJ	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	Below det lim	ug/Kg	19.6	4/4/2002	RLJ	SW846 8260B
Dibromochloromethane	Below det lim	ug/Kg	9.80	4/4/2002	RLJ	SW846 8260B
1,2-Dibromoethane (EDB)	Below det lim	ug/Kg	9.80	4/4/2002	RLJ	SW846 8260B
Dibromomethane	Below det lim	ug/Kg	9.80	4/4/2002	RLJ	SW846 8260B
1,2-Dichlorobenzene	Below det lim	ug/Kg	9.80	4/4/2002	RLJ	SW846 8260B
1,3-Dichlorobenzene	Below det lim	ug/Kg	9.80	4/4/2002	RLJ	SW846 8260B
1,4-Dichlorobenzene	Below det lim	ug/Kg	9.80	4/4/2002	RLJ	SW846 8260B
Dichlorodifluoromethane	Below det lim	ug/Kg	19.6	4/4/2002	RLJ	SW846 8260B
1,1-Dichloroethane	Below det lim	ug/Kg	9.80	4/4/2002	RLJ	SW846 8260B
1,2-Dichloroethane	Below det lim	ug/Kg	9.80	4/4/2002	RLJ	SW846 8260B
1,1-Dichloroethene	Below det lim	ug/Kg	9.80	4/4/2002	RLJ	SW846 8260B
cis-1,2-Dichloroethene	Below det lim	ug/Kg	9.80	4/4/2002	RLJ	SW846 8260B
trans-1,2-Dichloroethene	Below det lim	ug/Kg	9.80	4/4/2002	RLJ	SW846 8260B
1,2-Dichloropropane	Below det lim	ug/Kg	9.80	4/4/2002	RLJ	SW846 8260B
1,3-Dichloropropane	Below det lim	ug/Kg	9.80	4/4/2002	RLJ	SW846 8260B
2,2-Dichloropropane	Below det lim	ug/Kg	9.80	4/4/2002	RLJ	SW846 8260B
1,1-Dichloropropene	Below det lim	ug/Kg	9.80	4/4/2002	RLJ	SW846 8260B

Lab ID No: AD06299 **Collection Date:** 3/29/2002
Client Id: JBD020329-11 **Matrix** Soil

Parameter	Results	Units	PQL	Start Date	Analyst	Method
cis-1,3-Dichloropropene	Below det lim	ug/Kg	9.80	4/4/2002	RLJ	SW846 8260B
trans-1,3-Dichloropropene	Below det lim	ug/Kg	9.80	4/4/2002	RLJ	SW846 8260B
Ethylbenzene	Below det lim	ug/Kg	9.80	4/4/2002	RLJ	SW846 8260B
Hexachlorobutadiene	Below det lim	ug/Kg	9.80	4/4/2002	RLJ	SW846 8260B
2-Hexanone (MBK)	Below det lim	ug/Kg	98.0	4/4/2002	RLJ	SW846 8260B
Isopropylbenzene	Below det lim	ug/Kg	9.80	4/4/2002	RLJ	SW846 8260B
4-Isopropyltoluene	Below det lim	ug/Kg	9.80	4/4/2002	RLJ	SW846 8260B
Methyl-tert-butyl ether (MTBE)	Below det lim	ug/Kg	9.80	4/4/2002	RLJ	SW846 8260B
4-Methyl-2-pentanone (MIBK)	Below det lim	ug/Kg	98.0	4/4/2002	RLJ	SW846 8260B
Methylene chloride	Below det lim	ug/Kg	20.0	4/4/2002	RLJ	SW846 8260B
Naphthalene	Below det lim	ug/Kg	9.80	4/4/2002	RLJ	SW846 8260B
n-Propylbenzene	Below det lim	ug/Kg	9.80	4/4/2002	RLJ	SW846 8260B
Styrene	Below det lim	ug/Kg	9.80	4/4/2002	RLJ	SW846 8260B
1,1,1,2-Tetrachloroethane	Below det lim	ug/Kg	9.80	4/4/2002	RLJ	SW846 8260B
1,1,2,2-Tetrachloroethane	Below det lim	ug/Kg	9.80	4/4/2002	RLJ	SW846 8260B
Tetrachloroethene (PCE)	Below det lim	ug/Kg	9.80	4/4/2002	RLJ	SW846 8260B
Toluene	Below det lim	ug/Kg	9.80	4/4/2002	RLJ	SW846 8260B
1,2,3-Trichlorobenzene	Below det lim	ug/Kg	9.80	4/4/2002	RLJ	SW846 8260B
1,2,4-Trichlorobenzene	Below det lim	ug/Kg	9.80	4/4/2002	RLJ	SW846 8260B
1,1,1-Trichloroethane	Below det lim	ug/Kg	9.80	4/4/2002	RLJ	SW846 8260B
1,1,2-Trichloroethane	Below det lim	ug/Kg	9.80	4/4/2002	RLJ	SW846 8260B
Trichloroethene (TCE)	Below det lim	ug/Kg	9.80	4/4/2002	RLJ	SW846 8260B
Trichlorofluoromethane	Below det lim	ug/Kg	9.80	4/4/2002	RLJ	SW846 8260B
1,2,3-Trichloropropane	Below det lim	ug/Kg	9.80	4/4/2002	RLJ	SW846 8260B
1,2,4-Trimethylbenzene	Below det lim	ug/Kg	9.80	4/4/2002	RLJ	SW846 8260B
1,3,5-Trimethylbenzene	Below det lim	ug/Kg	9.80	4/4/2002	RLJ	SW846 8260B
Vinyl chloride	Below det lim	ug/Kg	9.80	4/4/2002	RLJ	SW846 8260B
m,p-Xylenes	Below det lim	ug/Kg	19.6	4/4/2002	RLJ	SW846 8260B
o-Xylene	Below det lim	ug/Kg	9.80	4/4/2002	RLJ	SW846 8260B
4-Bromofluorobenzene (%SR)	104	ug/Kg	0.000	4/4/2002	RLJ	SW846 8260B
1,4-Difluorobenzene (%SR)	104	ug/Kg	0.000	4/4/2002	RLJ	SW846 8260B
Chlorobenzene-d5 (%SR)	111	ug/Kg	0.000	4/4/2002	RLJ	SW846 8260B
TPH Preparation						
Ultrasonic Extraction	Completed			4/3/2002	RT	SW846 3550B
Petroleum Hydrocarbon Analysis						
Extractable TPH						
Total Petroleum Hydrocarbons (C9-C36)	Below det lim	mg/Kg	10	4/5/2002	JD	CT ETPH
Gasoline	Below det lim	mg/Kg	10	4/5/2002	JD	CT ETPH
Fuel Oil #2	Below det lim	mg/Kg	10	4/5/2002	JD	CT ETPH
Fuel Oil #4	Below det lim	mg/Kg	10	4/5/2002	JD	CT ETPH
Fuel Oil #6	Below det lim	mg/Kg	10	4/5/2002	JD	CT ETPH

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Client Id: JBD020329-11 **Matrix** Soil

Parameter	Results	Units	PQL	Start Date	Analyst	Method
Motor Oil	Below det lim	mg/Kg	10	4/5/2002	JD	CT ETPH
Aviation Fuel	Below det lim	mg/Kg	10	4/5/2002	JD	CT ETPH
Unidentified	Below det lim	mg/Kg	10	4/5/2002	JD	CT ETPH
Other Oil	Below det lim	mg/Kg	10	4/5/2002	JD	CT ETPH
1-Chloro-octadecane (%SR)	83	mg/Kg	0.	4/5/2002	JD	CT ETPH
SVOC Preparation						
Ultrasonic Extraction	Completed			4/3/2002	RT	SW846 3550B
Semivolatile Organic Compounds						
PAHs by GC/MS						
Naphthalene	Below det lim	ug/Kg	143	4/5/2002	MSL	SW846 8270C
2-Methylnaphthalene	Below det lim	ug/Kg	143	4/5/2002	MSL	SW846 8270C
1-Methylnaphthalene	Below det lim	ug/Kg	143	4/5/2002	MSL	SW846 8270C
Acenaphthylene	Below det lim	ug/Kg	143	4/5/2002	MSL	SW846 8270C
Acenaphthene	Below det lim	ug/Kg	143	4/5/2002	MSL	SW846 8270C
Fluorene	Below det lim	ug/Kg	143	4/5/2002	MSL	SW846 8270C
Phenanthrene	Below det lim	ug/Kg	143	4/5/2002	MSL	SW846 8270C
Anthracene	Below det lim	ug/Kg	143	4/5/2002	MSL	SW846 8270C
Fluoranthene	Below det lim	ug/Kg	143	4/5/2002	MSL	SW846 8270C
Pyrene	Below det lim	ug/Kg	143	4/5/2002	MSL	SW846 8270C
Benzo (a) anthracene	Below det lim	ug/Kg	143	4/5/2002	MSL	SW846 8270C
Chrysene	Below det lim	ug/Kg	143	4/5/2002	MSL	SW846 8270C
Benzo (b) fluoranthene	Below det lim	ug/Kg	143	4/5/2002	MSL	SW846 8270C
Benzo (k) fluoranthene	Below det lim	ug/Kg	143	4/5/2002	MSL	SW846 8270C
Benzo (a) pyrene	Below det lim	ug/Kg	143	4/5/2002	MSL	SW846 8270C
Indeno (1,2,3-cd) pyrene	Below det lim	ug/Kg	143	4/5/2002	MSL	SW846 8270C
Dibenzo (a,h) anthracene	Below det lim	ug/Kg	143	4/5/2002	MSL	SW846 8270C
Benzo (g,h,i) perylene	Below det lim	ug/Kg	143	4/5/2002	MSL	SW846 8270C
2-Fluorobiphenyl (%SR)	60	ug/Kg	0.000	4/5/2002	MSL	SW846 8270C
Terphenyl-d14 (%SR)	56	ug/Kg	0.000	4/5/2002	MSL	SW846 8270C
Semivolatile Organic Compounds						
Polychlorinated Biphenyls by GC						
PCB-1016	Below det lim	ug/Kg	29	4/3/2002	TG	SW846 8082
PCB-1221	Below det lim	ug/Kg	29	4/3/2002	TG	SW846 8082
PCB-1232	Below det lim	ug/Kg	29	4/3/2002	TG	SW846 8082
PCB-1242	Below det lim	ug/Kg	29	4/3/2002	TG	SW846 8082
PCB-1248	Below det lim	ug/Kg	29	4/3/2002	TG	SW846 8082
PCB-1254	Below det lim	ug/Kg	29	4/3/2002	TG	SW846 8082
PCB-1260	Below det lim	ug/Kg	29	4/3/2002	TG	SW846 8082
Decachlorobiphenyl (%SR)	65	ug/Kg	0.00	4/3/2002	TG	SW846 8082
Metals Preparation						

Lab ID No: AD06299 **Collection Date:** 3/29/2002
Client Id: JBD020329-11 **Matrix** Soil

Parameter	Results	Units	PQL	Start Date	Analyst	Method
Mercury Digestion	Completed			4/4/2002	LFR	EPA 245.1
Metals Digestion	Completed			4/4/2002	LFR	EPA 200.7
Metals Analysis						
Total RCRA8 Metals						
Total Arsenic	Below det lim	mg/Kg	2.72	4/6/2002	REC	EPA 200.7
Total Barium	5.20	mg/Kg	0.906	4/6/2002	REC	EPA 200.7
Total Cadmium	Below det lim	mg/Kg	0.453	4/6/2002	REC	EPA 200.7
Total Chromium	4.47	mg/Kg	0.906	4/6/2002	REC	EPA 200.7
Total Lead	5.66	mg/Kg	1.36	4/6/2002	REC	EPA 200.7
Total Selenium	Below det lim	mg/Kg	2.72	4/6/2002	REC	EPA 200.7
Total Silver	Below det lim	mg/Kg	1.81	4/6/2002	REC	EPA 200.7
Total Mercury	Below det lim	mg/Kg	0.163	4/5/2002	EPC	EPA 245.1
% Solids	96.2	%		4/3/2002	RT	SM2540 B Mod

Lab ID No: AD06300 **Collection Date:** 3/29/2002
Client Id: JBD020329-15 **Matrix** Soil

Parameter	Results	Units	PQL	Start Date	Analyst	Method
VOC Preparation						
VOC Extraction (solid)	Lab ext			4/3/2002	AS	SW846 5035
Volatile Organic Compounds						
VOCs by GC/MS						
Acetone	Below det lim	ug/Kg	220	4/4/2002	RLJ	SW846 8260B
Acrylonitrile	Below det lim	ug/Kg	11.0	4/4/2002	RLJ	SW846 8260B
Benzene	Below det lim	ug/Kg	11.0	4/4/2002	RLJ	SW846 8260B
Bromobenzene	Below det lim	ug/Kg	11.0	4/4/2002	RLJ	SW846 8260B
Bromochloromethane	Below det lim	ug/Kg	11.0	4/4/2002	RLJ	SW846 8260B
Bromodichloromethane	Below det lim	ug/Kg	11.0	4/4/2002	RLJ	SW846 8260B
Bromoform	Below det lim	ug/Kg	11.0	4/4/2002	RLJ	SW846 8260B
Bromomethane	Below det lim	ug/Kg	22.0	4/4/2002	RLJ	SW846 8260B
2-Butanone (MEK)	Below det lim	ug/Kg	110	4/4/2002	RLJ	SW846 8260B
n-Butylbenzene	Below det lim	ug/Kg	11.0	4/4/2002	RLJ	SW846 8260B
sec-Butylbenzene	Below det lim	ug/Kg	11.0	4/4/2002	RLJ	SW846 8260B
tert-Butylbenzene	Below det lim	ug/Kg	11.0	4/4/2002	RLJ	SW846 8260B
Carbon disulfide	Below det lim	ug/Kg	55.0	4/4/2002	RLJ	SW846 8260B
Carbon tetrachloride	Below det lim	ug/Kg	11.0	4/4/2002	RLJ	SW846 8260B
Chlorobenzene	Below det lim	ug/Kg	11.0	4/4/2002	RLJ	SW846 8260B
Chloroethane	Below det lim	ug/Kg	22.0	4/4/2002	RLJ	SW846 8260B
Chloroform	Below det lim	ug/Kg	11.0	4/4/2002	RLJ	SW846 8260B
Chloromethane	Below det lim	ug/Kg	22.0	4/4/2002	RLJ	SW846 8260B
2-Chlorotoluene	Below det lim	ug/Kg	11.0	4/4/2002	RLJ	SW846 8260B
4-Chlorotoluene	Below det lim	ug/Kg	11.0	4/4/2002	RLJ	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	Below det lim	ug/Kg	22.0	4/4/2002	RLJ	SW846 8260B
Dibromochloromethane	Below det lim	ug/Kg	11.0	4/4/2002	RLJ	SW846 8260B
1,2-Dibromoethane (EDB)	Below det lim	ug/Kg	11.0	4/4/2002	RLJ	SW846 8260B
Dibromomethane	Below det lim	ug/Kg	11.0	4/4/2002	RLJ	SW846 8260B
1,2-Dichlorobenzene	Below det lim	ug/Kg	11.0	4/4/2002	RLJ	SW846 8260B
1,3-Dichlorobenzene	Below det lim	ug/Kg	11.0	4/4/2002	RLJ	SW846 8260B
1,4-Dichlorobenzene	Below det lim	ug/Kg	11.0	4/4/2002	RLJ	SW846 8260B
Dichlorodifluoromethane	Below det lim	ug/Kg	22.0	4/4/2002	RLJ	SW846 8260B
1,1-Dichloroethane	Below det lim	ug/Kg	11.0	4/4/2002	RLJ	SW846 8260B
1,2-Dichloroethane	Below det lim	ug/Kg	11.0	4/4/2002	RLJ	SW846 8260B
1,1-Dichloroethene	Below det lim	ug/Kg	11.0	4/4/2002	RLJ	SW846 8260B
cis-1,2-Dichloroethene	Below det lim	ug/Kg	11.0	4/4/2002	RLJ	SW846 8260B
trans-1,2-Dichloroethene	Below det lim	ug/Kg	11.0	4/4/2002	RLJ	SW846 8260B
1,2-Dichloropropane	Below det lim	ug/Kg	11.0	4/4/2002	RLJ	SW846 8260B
1,3-Dichloropropane	Below det lim	ug/Kg	11.0	4/4/2002	RLJ	SW846 8260B
2,2-Dichloropropane	Below det lim	ug/Kg	11.0	4/4/2002	RLJ	SW846 8260B
1,1-Dichloropropene	Below det lim	ug/Kg	11.0	4/4/2002	RLJ	SW846 8260B

Lab ID No: AD06300 **Collection Date:** 3/29/2002
Client Id: JBD020329-15 **Matrix** Soil

Parameter	Results	Units	PQL	Start Date	Analyst	Method
cis-1,3-Dichloropropene	Below det lim	ug/Kg	11.0	4/4/2002	RLJ	SW846 8260B
trans-1,3-Dichloropropene	Below det lim	ug/Kg	11.0	4/4/2002	RLJ	SW846 8260B
Ethylbenzene	Below det lim	ug/Kg	11.0	4/4/2002	RLJ	SW846 8260B
Hexachlorobutadiene	Below det lim	ug/Kg	11.0	4/4/2002	RLJ	SW846 8260B
2-Hexanone (MBK)	Below det lim	ug/Kg	110	4/4/2002	RLJ	SW846 8260B
Isopropylbenzene	Below det lim	ug/Kg	11.0	4/4/2002	RLJ	SW846 8260B
4-Isopropyltoluene	Below det lim	ug/Kg	11.0	4/4/2002	RLJ	SW846 8260B
Methyl-tert-butyl ether (MTBE)	Below det lim	ug/Kg	11.0	4/4/2002	RLJ	SW846 8260B
4-Methyl-2-pentanone (MIBK)	Below det lim	ug/Kg	110	4/4/2002	RLJ	SW846 8260B
Methylene chloride	Below det lim	ug/Kg	25.0	4/4/2002	RLJ	SW846 8260B
Naphthalene	Below det lim	ug/Kg	11.0	4/4/2002	RLJ	SW846 8260B
n-Propylbenzene	Below det lim	ug/Kg	11.0	4/4/2002	RLJ	SW846 8260B
Styrene	Below det lim	ug/Kg	11.0	4/4/2002	RLJ	SW846 8260B
1,1,1,2-Tetrachloroethane	Below det lim	ug/Kg	11.0	4/4/2002	RLJ	SW846 8260B
1,1,2,2-Tetrachloroethane	Below det lim	ug/Kg	11.0	4/4/2002	RLJ	SW846 8260B
Tetrachloroethene (PCE)	Below det lim	ug/Kg	11.0	4/4/2002	RLJ	SW846 8260B
Toluene	Below det lim	ug/Kg	11.0	4/4/2002	RLJ	SW846 8260B
1,2,3-Trichlorobenzene	Below det lim	ug/Kg	11.0	4/4/2002	RLJ	SW846 8260B
1,2,4-Trichlorobenzene	Below det lim	ug/Kg	11.0	4/4/2002	RLJ	SW846 8260B
1,1,1-Trichloroethane	Below det lim	ug/Kg	11.0	4/4/2002	RLJ	SW846 8260B
1,1,2-Trichloroethane	Below det lim	ug/Kg	11.0	4/4/2002	RLJ	SW846 8260B
Trichloroethene (TCE)	Below det lim	ug/Kg	11.0	4/4/2002	RLJ	SW846 8260B
Trichlorofluoromethane	Below det lim	ug/Kg	11.0	4/4/2002	RLJ	SW846 8260B
1,2,3-Trichloropropane	Below det lim	ug/Kg	11.0	4/4/2002	RLJ	SW846 8260B
1,2,4-Trimethylbenzene	Below det lim	ug/Kg	11.0	4/4/2002	RLJ	SW846 8260B
1,3,5-Trimethylbenzene	Below det lim	ug/Kg	11.0	4/4/2002	RLJ	SW846 8260B
Vinyl chloride	Below det lim	ug/Kg	11.0	4/4/2002	RLJ	SW846 8260B
m,p-Xylenes	Below det lim	ug/Kg	22.0	4/4/2002	RLJ	SW846 8260B
o-Xylene	Below det lim	ug/Kg	11.0	4/4/2002	RLJ	SW846 8260B
4-Bromofluorobenzene (%SR)	96	ug/Kg	0.000	4/4/2002	RLJ	SW846 8260B
1,4-Difluorobenzene (%SR)	104	ug/Kg	0.000	4/4/2002	RLJ	SW846 8260B
Chlorobenzene-d5 (%SR)	107	ug/Kg	0.000	4/4/2002	RLJ	SW846 8260B
TPH Preparation						
Ultrasonic Extraction	Completed			4/3/2002	RT	SW846 3550B
Petroleum Hydrocarbon Analysis						
Extractable TPH						
Total Petroleum Hydrocarbons (C9-C36)	Below det lim	mg/Kg	10	4/5/2002	JD	CT ETPH
Gasoline	Below det lim	mg/Kg	10	4/5/2002	JD	CT ETPH
Fuel Oil #2	Below det lim	mg/Kg	10	4/5/2002	JD	CT ETPH
Fuel Oil #4	Below det lim	mg/Kg	10	4/5/2002	JD	CT ETPH
Fuel Oil #6	Below det lim	mg/Kg	10	4/5/2002	JD	CT ETPH

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Parameter	Results	Units	PQL	Start Date	Analyst	Method
Motor Oil	Below det lim	mg/Kg	10	4/5/2002	JD	CT ETPH
Aviation Fuel	Below det lim	mg/Kg	10	4/5/2002	JD	CT ETPH
Unidentified	Below det lim	mg/Kg	10	4/5/2002	JD	CT ETPH
Other Oil	Below det lim	mg/Kg	10	4/5/2002	JD	CT ETPH
1-Chloro-octadecane (%SR)	77	mg/Kg	0.	4/5/2002	JD	CT ETPH
SVOC Preparation						
Ultrasonic Extraction	Completed			4/3/2002	RT	SW846 3550B
Semivolatile Organic Compounds						
PAHs by GC/MS						
Naphthalene	Below det lim	ug/Kg	142	4/5/2002	MSL	SW846 8270C
2-Methylnaphthalene	Below det lim	ug/Kg	142	4/5/2002	MSL	SW846 8270C
1-Methylnaphthalene	Below det lim	ug/Kg	142	4/5/2002	MSL	SW846 8270C
Acenaphthylene	Below det lim	ug/Kg	142	4/5/2002	MSL	SW846 8270C
Acenaphthene	Below det lim	ug/Kg	142	4/5/2002	MSL	SW846 8270C
Fluorene	Below det lim	ug/Kg	142	4/5/2002	MSL	SW846 8270C
Phenanthrene	Below det lim	ug/Kg	142	4/5/2002	MSL	SW846 8270C
Anthracene	Below det lim	ug/Kg	142	4/5/2002	MSL	SW846 8270C
Fluoranthene	Below det lim	ug/Kg	142	4/5/2002	MSL	SW846 8270C
Pyrene	Below det lim	ug/Kg	142	4/5/2002	MSL	SW846 8270C
Benzo (a) anthracene	Below det lim	ug/Kg	142	4/5/2002	MSL	SW846 8270C
Chrysene	Below det lim	ug/Kg	142	4/5/2002	MSL	SW846 8270C
Benzo (b) fluoranthene	Below det lim	ug/Kg	142	4/5/2002	MSL	SW846 8270C
Benzo (k) fluoranthene	Below det lim	ug/Kg	142	4/5/2002	MSL	SW846 8270C
Benzo (a) pyrene	Below det lim	ug/Kg	142	4/5/2002	MSL	SW846 8270C
Indeno (1,2,3-cd) pyrene	Below det lim	ug/Kg	142	4/5/2002	MSL	SW846 8270C
Dibenzo (a,h) anthracene	Below det lim	ug/Kg	142	4/5/2002	MSL	SW846 8270C
Benzo (g,h,i) perylene	Below det lim	ug/Kg	142	4/5/2002	MSL	SW846 8270C
2-Fluorobiphenyl (%SR)	79	ug/Kg	0.000	4/5/2002	MSL	SW846 8270C
Terphenyl-d14 (%SR)	78	ug/Kg	0.000	4/5/2002	MSL	SW846 8270C
Metals Preparation						
Mercury Digestion	Completed			4/4/2002	LFR	EPA 245.1
Metals Digestion	Completed			4/4/2002	LFR	EPA 200.7
Metals Digestion on Leachate	Completed			4/17/2002	LK	EPA 200.7
Metals Analysis						
SPLP Chromium	Below det lim	mg/L	0.005	4/17/2002	KSR	1312/200.7
SPLP Lead	Below det lim	mg/L	0.0075	4/17/2002	KSR	1312/200.7
Total RCRA8 Metals						
Total Arsenic	Below det lim	mg/Kg	2.71	4/6/2002	REC	EPA 200.7
Total Barium	31.1	mg/Kg	0.903	4/6/2002	REC	EPA 200.7

Lab ID No: AD06300 **Collection Date:** 3/29/2002
Client Id: JBD020329-15 **Matrix** Soil

Parameter	Results	Units	PQL	Start Date	Analyst	Method
Total Cadmium	Below det lim	mg/Kg	0.452	4/6/2002	REC	EPA 200.7
Total Chromium	8.55	mg/Kg	0.903	4/6/2002	REC	EPA 200.7
Total Lead	97.6	mg/Kg	1.36	4/6/2002	REC	EPA 200.7
Total Selenium	Below det lim	mg/Kg	2.71	4/6/2002	REC	EPA 200.7
Total Silver	Below det lim	mg/Kg	1.81	4/6/2002	REC	EPA 200.7
Total Mercury	Below det lim	mg/Kg	0.173	4/5/2002	EPC	EPA 245.1
TCLP/SPLP Preparation						
SPLP Extraction for Metals	Completed			4/15/2002	HB	SW846 1312
% Solids	94.2	%		4/3/2002	RT	SM2540 B Mod

Lab ID No: AD06301 **Collection Date:** 3/29/2002
Client Id: JBD020329-19 **Matrix** Soil

Parameter	Results	Units	PQL	Start Date	Analyst	Method
VOC Preparation						
VOC Extraction (solid)	Lab ext			4/3/2002	AS	SW846 5035
Volatile Organic Compounds						
VOCs by GC/MS						
Acetone	Below det lim	ug/Kg	220	4/5/2002	KW	SW846 8260B
Acrylonitrile	Below det lim	ug/Kg	11.0	4/5/2002	KW	SW846 8260B
Benzene	Below det lim	ug/Kg	11.0	4/5/2002	KW	SW846 8260B
Bromobenzene	Below det lim	ug/Kg	11.0	4/5/2002	KW	SW846 8260B
Bromochloromethane	Below det lim	ug/Kg	11.0	4/5/2002	KW	SW846 8260B
Bromodichloromethane	Below det lim	ug/Kg	11.0	4/5/2002	KW	SW846 8260B
Bromoform	Below det lim	ug/Kg	11.0	4/5/2002	KW	SW846 8260B
Bromomethane	Below det lim	ug/Kg	22.0	4/5/2002	KW	SW846 8260B
2-Butanone (MEK)	Below det lim	ug/Kg	110	4/5/2002	KW	SW846 8260B
n-Butylbenzene	Below det lim	ug/Kg	11.0	4/5/2002	KW	SW846 8260B
sec-Butylbenzene	Below det lim	ug/Kg	11.0	4/5/2002	KW	SW846 8260B
tert-Butylbenzene	Below det lim	ug/Kg	11.0	4/5/2002	KW	SW846 8260B
Carbon disulfide	Below det lim	ug/Kg	55.0	4/5/2002	KW	SW846 8260B
Carbon tetrachloride	Below det lim	ug/Kg	11.0	4/5/2002	KW	SW846 8260B
Chlorobenzene	Below det lim	ug/Kg	11.0	4/5/2002	KW	SW846 8260B
Chloroethane	Below det lim	ug/Kg	22.0	4/5/2002	KW	SW846 8260B
Chloroform	Below det lim	ug/Kg	11.0	4/5/2002	KW	SW846 8260B
Chloromethane	Below det lim	ug/Kg	22.0	4/5/2002	KW	SW846 8260B
2-Chlorotoluene	Below det lim	ug/Kg	11.0	4/5/2002	KW	SW846 8260B
4-Chlorotoluene	Below det lim	ug/Kg	11.0	4/5/2002	KW	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	Below det lim	ug/Kg	22.0	4/5/2002	KW	SW846 8260B
Dibromochloromethane	Below det lim	ug/Kg	11.0	4/5/2002	KW	SW846 8260B
1,2-Dibromoethane (EDB)	Below det lim	ug/Kg	11.0	4/5/2002	KW	SW846 8260B
Dibromomethane	Below det lim	ug/Kg	11.0	4/5/2002	KW	SW846 8260B
1,2-Dichlorobenzene	Below det lim	ug/Kg	11.0	4/5/2002	KW	SW846 8260B
1,3-Dichlorobenzene	Below det lim	ug/Kg	11.0	4/5/2002	KW	SW846 8260B
1,4-Dichlorobenzene	Below det lim	ug/Kg	11.0	4/5/2002	KW	SW846 8260B
Dichlorodifluoromethane	Below det lim	ug/Kg	22.0	4/5/2002	KW	SW846 8260B
1,1-Dichloroethane	Below det lim	ug/Kg	11.0	4/5/2002	KW	SW846 8260B
1,2-Dichloroethane	Below det lim	ug/Kg	11.0	4/5/2002	KW	SW846 8260B
1,1-Dichloroethene	Below det lim	ug/Kg	11.0	4/5/2002	KW	SW846 8260B
cis-1,2-Dichloroethene	Below det lim	ug/Kg	11.0	4/5/2002	KW	SW846 8260B
trans-1,2-Dichloroethene	Below det lim	ug/Kg	11.0	4/5/2002	KW	SW846 8260B
1,2-Dichloropropane	Below det lim	ug/Kg	11.0	4/5/2002	KW	SW846 8260B
1,3-Dichloropropane	Below det lim	ug/Kg	11.0	4/5/2002	KW	SW846 8260B
2,2-Dichloropropane	Below det lim	ug/Kg	11.0	4/5/2002	KW	SW846 8260B
1,1-Dichloropropene	Below det lim	ug/Kg	11.0	4/5/2002	KW	SW846 8260B

Lab ID No: AD06301 **Collection Date:** 3/29/2002
Client Id: JBD020329-19 **Matrix** Soil

Parameter	Results	Units	PQL	Start Date	Analyst	Method
cis-1,3-Dichloropropene	Below det lim	ug/Kg	11.0	4/5/2002	KW	SW846 8260B
trans-1,3-Dichloropropene	Below det lim	ug/Kg	11.0	4/5/2002	KW	SW846 8260B
Ethylbenzene	Below det lim	ug/Kg	11.0	4/5/2002	KW	SW846 8260B
Hexachlorobutadiene	Below det lim	ug/Kg	11.0	4/5/2002	KW	SW846 8260B
2-Hexanone (MBK)	Below det lim	ug/Kg	110	4/5/2002	KW	SW846 8260B
Isopropylbenzene	Below det lim	ug/Kg	11.0	4/5/2002	KW	SW846 8260B
4-Isopropyltoluene	Below det lim	ug/Kg	11.0	4/5/2002	KW	SW846 8260B
Methyl-tert-butyl ether (MTBE)	Below det lim	ug/Kg	11.0	4/5/2002	KW	SW846 8260B
4-Methyl-2-pentanone (MIBK)	Below det lim	ug/Kg	110	4/5/2002	KW	SW846 8260B
Methylene chloride	Below det lim	ug/Kg	16.0	4/5/2002	KW	SW846 8260B
Naphthalene	Below det lim	ug/Kg	11.0	4/5/2002	KW	SW846 8260B
n-Propylbenzene	Below det lim	ug/Kg	11.0	4/5/2002	KW	SW846 8260B
Styrene	Below det lim	ug/Kg	11.0	4/5/2002	KW	SW846 8260B
1,1,1,2-Tetrachloroethane	Below det lim	ug/Kg	11.0	4/5/2002	KW	SW846 8260B
1,1,2,2-Tetrachloroethane	Below det lim	ug/Kg	11.0	4/5/2002	KW	SW846 8260B
Tetrachloroethene (PCE)	Below det lim	ug/Kg	11.0	4/5/2002	KW	SW846 8260B
Toluene	Below det lim	ug/Kg	11.0	4/5/2002	KW	SW846 8260B
1,2,3-Trichlorobenzene	Below det lim	ug/Kg	11.0	4/5/2002	KW	SW846 8260B
1,2,4-Trichlorobenzene	Below det lim	ug/Kg	11.0	4/5/2002	KW	SW846 8260B
1,1,1-Trichloroethane	Below det lim	ug/Kg	11.0	4/5/2002	KW	SW846 8260B
1,1,2-Trichloroethane	Below det lim	ug/Kg	11.0	4/5/2002	KW	SW846 8260B
Trichloroethene (TCE)	Below det lim	ug/Kg	11.0	4/5/2002	KW	SW846 8260B
Trichlorofluoromethane	Below det lim	ug/Kg	11.0	4/5/2002	KW	SW846 8260B
1,2,3-Trichloropropane	Below det lim	ug/Kg	11.0	4/5/2002	KW	SW846 8260B
1,2,4-Trimethylbenzene	Below det lim	ug/Kg	11.0	4/5/2002	KW	SW846 8260B
1,3,5-Trimethylbenzene	Below det lim	ug/Kg	11.0	4/5/2002	KW	SW846 8260B
Vinyl chloride	Below det lim	ug/Kg	11.0	4/5/2002	KW	SW846 8260B
m,p-Xylenes	Below det lim	ug/Kg	22.0	4/5/2002	KW	SW846 8260B
o-Xylene	Below det lim	ug/Kg	11.0	4/5/2002	KW	SW846 8260B
4-Bromofluorobenzene (%SR)	88	ug/Kg	0.000	4/5/2002	KW	SW846 8260B
1,4-Difluorobenzene (%SR)	97	ug/Kg	0.000	4/5/2002	KW	SW846 8260B
Chlorobenzene-d5 (%SR)	92	ug/Kg	0.000	4/5/2002	KW	SW846 8260B
TPH Preparation						
Ultrasonic Extraction	Completed			4/3/2002	RT	SW846 3550B
Petroleum Hydrocarbon Analysis						
Extractable TPH						
Total Petroleum Hydrocarbons (C9-C36)	Below det lim	mg/Kg	20	4/5/2002	JD	CT ETPH
Gasoline	Below det lim	mg/Kg	20	4/5/2002	JD	CT ETPH
Fuel Oil #2	Below det lim	mg/Kg	20	4/5/2002	JD	CT ETPH
Fuel Oil #4	Below det lim	mg/Kg	20	4/5/2002	JD	CT ETPH
Fuel Oil #6	Below det lim	mg/Kg	20	4/5/2002	JD	CT ETPH

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Parameter	Results	Units	PQL	Start Date	Analyst	Method
Motor Oil	Below det lim	mg/Kg	20	4/5/2002	JD	CT ETPH
Aviation Fuel	Below det lim	mg/Kg	20	4/5/2002	JD	CT ETPH
Unidentified	Below det lim	mg/Kg	20	4/5/2002	JD	CT ETPH
Other Oil	Below det lim	mg/Kg	20	4/5/2002	JD	CT ETPH
1-Chloro-octadecane (%SR)	75	mg/Kg	0.	4/5/2002	JD	CT ETPH
SVOC Preparation						
Ultrasonic Extraction	Completed			4/3/2002	RT	SW846 3550B
Semivolatile Organic Compounds						
PAHs by GC/MS						
Naphthalene	Below det lim	ug/Kg	167	4/5/2002	MSL	SW846 8270C
2-Methylnaphthalene	Below det lim	ug/Kg	167	4/5/2002	MSL	SW846 8270C
1-Methylnaphthalene	Below det lim	ug/Kg	167	4/5/2002	MSL	SW846 8270C
Acenaphthylene	Below det lim	ug/Kg	167	4/5/2002	MSL	SW846 8270C
Acenaphthene	Below det lim	ug/Kg	167	4/5/2002	MSL	SW846 8270C
Fluorene	Below det lim	ug/Kg	167	4/5/2002	MSL	SW846 8270C
Phenanthrene	Below det lim	ug/Kg	167	4/5/2002	MSL	SW846 8270C
Anthracene	Below det lim	ug/Kg	167	4/5/2002	MSL	SW846 8270C
Fluoranthene	Below det lim	ug/Kg	167	4/5/2002	MSL	SW846 8270C
Pyrene	Below det lim	ug/Kg	167	4/5/2002	MSL	SW846 8270C
Benzo (a) anthracene	Below det lim	ug/Kg	167	4/5/2002	MSL	SW846 8270C
Chrysene	Below det lim	ug/Kg	167	4/5/2002	MSL	SW846 8270C
Benzo (b) fluoranthene	Below det lim	ug/Kg	167	4/5/2002	MSL	SW846 8270C
Benzo (k) fluoranthene	Below det lim	ug/Kg	167	4/5/2002	MSL	SW846 8270C
Benzo (a) pyrene	Below det lim	ug/Kg	167	4/5/2002	MSL	SW846 8270C
Indeno (1,2,3-cd) pyrene	Below det lim	ug/Kg	167	4/5/2002	MSL	SW846 8270C
Dibenzo (a,h) anthracene	Below det lim	ug/Kg	167	4/5/2002	MSL	SW846 8270C
Benzo (g,h,i) perylene	Below det lim	ug/Kg	167	4/5/2002	MSL	SW846 8270C
2-Fluorobiphenyl (%SR)	66	ug/Kg	0.000	4/5/2002	MSL	SW846 8270C
Terphenyl-d14 (%SR)	87	ug/Kg	0.000	4/5/2002	MSL	SW846 8270C
Semivolatile Organic Compounds						
Polychlorinated Biphenyls by GC						
PCB-1016	Below det lim	ug/Kg	28	4/3/2002	TG	SW846 8082
PCB-1221	Below det lim	ug/Kg	28	4/3/2002	TG	SW846 8082
PCB-1232	Below det lim	ug/Kg	28	4/3/2002	TG	SW846 8082
PCB-1242	Below det lim	ug/Kg	28	4/3/2002	TG	SW846 8082
PCB-1248	Below det lim	ug/Kg	28	4/3/2002	TG	SW846 8082
PCB-1254	Below det lim	ug/Kg	28	4/3/2002	TG	SW846 8082
PCB-1260	Below det lim	ug/Kg	28	4/3/2002	TG	SW846 8082
Decachlorobiphenyl (%SR)	95	ug/Kg	0.00	4/3/2002	TG	SW846 8082
Metals Preparation						

Lab ID No: AD06301 **Collection Date:** 3/29/2002
Client Id: JBD020329-19 **Matrix** Soil

Parameter	Results	Units	PQL	Start Date	Analyst	Method
Mercury Digestion	Completed			4/4/2002	LFR	EPA 245.1
Metals Digestion	Completed			4/4/2002	LFR	EPA 200.7
Metals Analysis						
Total RCRA8 Metals						
Total Arsenic	Below det lim	mg/Kg	2.79	4/6/2002	REC	EPA 200.7
Total Barium	3.88	mg/Kg	0.929	4/6/2002	REC	EPA 200.7
Total Cadmium	Below det lim	mg/Kg	0.465	4/6/2002	REC	EPA 200.7
Total Chromium	3.27	mg/Kg	0.929	4/6/2002	REC	EPA 200.7
Total Lead	1.57	mg/Kg	1.39	4/6/2002	REC	EPA 200.7
Total Selenium	Below det lim	mg/Kg	2.79	4/6/2002	REC	EPA 200.7
Total Silver	Below det lim	mg/Kg	1.86	4/6/2002	REC	EPA 200.7
Total Mercury	Below det lim	mg/Kg	0.169	4/5/2002	EPC	EPA 245.1
% Solids	93.1	%		4/3/2002	RT	SM2540 B Mod

Lab ID No: AD06302 **Collection Date:** 3/29/2002
Client Id: JBD020329-16 **Matrix** Soil

Parameter	Results	Units	PQL	Start Date	Analyst	Method
VOC Preparation						
VOC Extraction (solid)	Lab ext			4/3/2002	AS	SW846 5035
Volatile Organic Compounds						
VOCs by GC/MS						
Acetone	Below det lim	ug/Kg	240	4/5/2002	KW	SW846 8260B
Acrylonitrile	Below det lim	ug/Kg	12.0	4/5/2002	KW	SW846 8260B
Benzene	Below det lim	ug/Kg	12.0	4/5/2002	KW	SW846 8260B
Bromobenzene	Below det lim	ug/Kg	12.0	4/5/2002	KW	SW846 8260B
Bromochloromethane	Below det lim	ug/Kg	12.0	4/5/2002	KW	SW846 8260B
Bromodichloromethane	Below det lim	ug/Kg	12.0	4/5/2002	KW	SW846 8260B
Bromoform	Below det lim	ug/Kg	12.0	4/5/2002	KW	SW846 8260B
Bromomethane	Below det lim	ug/Kg	24.0	4/5/2002	KW	SW846 8260B
2-Butanone (MEK)	Below det lim	ug/Kg	120	4/5/2002	KW	SW846 8260B
n-Butylbenzene	Below det lim	ug/Kg	12.0	4/5/2002	KW	SW846 8260B
sec-Butylbenzene	Below det lim	ug/Kg	12.0	4/5/2002	KW	SW846 8260B
tert-Butylbenzene	Below det lim	ug/Kg	12.0	4/5/2002	KW	SW846 8260B
Carbon disulfide	Below det lim	ug/Kg	60.0	4/5/2002	KW	SW846 8260B
Carbon tetrachloride	Below det lim	ug/Kg	12.0	4/5/2002	KW	SW846 8260B
Chlorobenzene	Below det lim	ug/Kg	12.0	4/5/2002	KW	SW846 8260B
Chloroethane	Below det lim	ug/Kg	24.0	4/5/2002	KW	SW846 8260B
Chloroform	Below det lim	ug/Kg	12.0	4/5/2002	KW	SW846 8260B
Chloromethane	Below det lim	ug/Kg	24.0	4/5/2002	KW	SW846 8260B
2-Chlorotoluene	Below det lim	ug/Kg	12.0	4/5/2002	KW	SW846 8260B
4-Chlorotoluene	Below det lim	ug/Kg	12.0	4/5/2002	KW	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	Below det lim	ug/Kg	24.0	4/5/2002	KW	SW846 8260B
Dibromochloromethane	Below det lim	ug/Kg	12.0	4/5/2002	KW	SW846 8260B
1,2-Dibromoethane (EDB)	Below det lim	ug/Kg	12.0	4/5/2002	KW	SW846 8260B
Dibromomethane	Below det lim	ug/Kg	12.0	4/5/2002	KW	SW846 8260B
1,2-Dichlorobenzene	Below det lim	ug/Kg	12.0	4/5/2002	KW	SW846 8260B
1,3-Dichlorobenzene	Below det lim	ug/Kg	12.0	4/5/2002	KW	SW846 8260B
1,4-Dichlorobenzene	Below det lim	ug/Kg	12.0	4/5/2002	KW	SW846 8260B
Dichlorodifluoromethane	Below det lim	ug/Kg	24.0	4/5/2002	KW	SW846 8260B
1,1-Dichloroethane	Below det lim	ug/Kg	12.0	4/5/2002	KW	SW846 8260B
1,2-Dichloroethane	Below det lim	ug/Kg	12.0	4/5/2002	KW	SW846 8260B
1,1-Dichloroethene	Below det lim	ug/Kg	12.0	4/5/2002	KW	SW846 8260B
cis-1,2-Dichloroethene	Below det lim	ug/Kg	12.0	4/5/2002	KW	SW846 8260B
trans-1,2-Dichloroethene	Below det lim	ug/Kg	12.0	4/5/2002	KW	SW846 8260B
1,2-Dichloropropane	Below det lim	ug/Kg	12.0	4/5/2002	KW	SW846 8260B
1,3-Dichloropropane	Below det lim	ug/Kg	12.0	4/5/2002	KW	SW846 8260B
2,2-Dichloropropane	Below det lim	ug/Kg	12.0	4/5/2002	KW	SW846 8260B
1,1-Dichloropropene	Below det lim	ug/Kg	12.0	4/5/2002	KW	SW846 8260B

Lab ID No: AD06302 **Collection Date:** 3/29/2002
Client Id: JBD020329-16 **Matrix** Soil

Parameter	Results	Units	PQL	Start Date	Analyst	Method
cis-1,3-Dichloropropene	Below det lim	ug/Kg	12.0	4/5/2002	KW	SW846 8260B
trans-1,3-Dichloropropene	Below det lim	ug/Kg	12.0	4/5/2002	KW	SW846 8260B
Ethylbenzene	Below det lim	ug/Kg	12.0	4/5/2002	KW	SW846 8260B
Hexachlorobutadiene	Below det lim	ug/Kg	12.0	4/5/2002	KW	SW846 8260B
2-Hexanone (MBK)	Below det lim	ug/Kg	120	4/5/2002	KW	SW846 8260B
Isopropylbenzene	Below det lim	ug/Kg	12.0	4/5/2002	KW	SW846 8260B
4-Isopropyltoluene	Below det lim	ug/Kg	12.0	4/5/2002	KW	SW846 8260B
Methyl-tert-butyl ether (MTBE)	Below det lim	ug/Kg	12.0	4/5/2002	KW	SW846 8260B
4-Methyl-2-pentanone (MIBK)	Below det lim	ug/Kg	120	4/5/2002	KW	SW846 8260B
Methylene chloride	Below det lim	ug/Kg	17.0	4/5/2002	KW	SW846 8260B
Naphthalene	Below det lim	ug/Kg	12.0	4/5/2002	KW	SW846 8260B
n-Propylbenzene	Below det lim	ug/Kg	12.0	4/5/2002	KW	SW846 8260B
Styrene	Below det lim	ug/Kg	12.0	4/5/2002	KW	SW846 8260B
1,1,1,2-Tetrachloroethane	Below det lim	ug/Kg	12.0	4/5/2002	KW	SW846 8260B
1,1,2,2-Tetrachloroethane	Below det lim	ug/Kg	12.0	4/5/2002	KW	SW846 8260B
Tetrachloroethene (PCE)	Below det lim	ug/Kg	12.0	4/5/2002	KW	SW846 8260B
Toluene	Below det lim	ug/Kg	12.0	4/5/2002	KW	SW846 8260B
1,2,3-Trichlorobenzene	Below det lim	ug/Kg	12.0	4/5/2002	KW	SW846 8260B
1,2,4-Trichlorobenzene	Below det lim	ug/Kg	12.0	4/5/2002	KW	SW846 8260B
1,1,1-Trichloroethane	Below det lim	ug/Kg	12.0	4/5/2002	KW	SW846 8260B
1,1,2-Trichloroethane	Below det lim	ug/Kg	12.0	4/5/2002	KW	SW846 8260B
Trichloroethene (TCE)	Below det lim	ug/Kg	12.0	4/5/2002	KW	SW846 8260B
Trichlorofluoromethane	Below det lim	ug/Kg	12.0	4/5/2002	KW	SW846 8260B
1,2,3-Trichloropropane	Below det lim	ug/Kg	12.0	4/5/2002	KW	SW846 8260B
1,2,4-Trimethylbenzene	Below det lim	ug/Kg	12.0	4/5/2002	KW	SW846 8260B
1,3,5-Trimethylbenzene	Below det lim	ug/Kg	12.0	4/5/2002	KW	SW846 8260B
Vinyl chloride	Below det lim	ug/Kg	12.0	4/5/2002	KW	SW846 8260B
m,p-Xylenes	Below det lim	ug/Kg	24.0	4/5/2002	KW	SW846 8260B
o-Xylene	Below det lim	ug/Kg	12.0	4/5/2002	KW	SW846 8260B
4-Bromofluorobenzene (%SR)	90	ug/Kg	0.000	4/5/2002	KW	SW846 8260B
1,4-Difluorobenzene (%SR)	96	ug/Kg	0.000	4/5/2002	KW	SW846 8260B
Chlorobenzene-d5 (%SR)	94	ug/Kg	0.000	4/5/2002	KW	SW846 8260B
TPH Preparation						
Ultrasonic Extraction	Completed			4/3/2002	RT	SW846 3550B
Petroleum Hydrocarbon Analysis						
Extractable TPH						
Total Petroleum Hydrocarbons (C9-C36)	Below det lim	mg/Kg	10	4/5/2002	JD	CT ETPH
Gasoline	Below det lim	mg/Kg	10	4/5/2002	JD	CT ETPH
Fuel Oil #2	Below det lim	mg/Kg	10	4/5/2002	JD	CT ETPH
Fuel Oil #4	Below det lim	mg/Kg	10	4/5/2002	JD	CT ETPH
Fuel Oil #6	Below det lim	mg/Kg	10	4/5/2002	JD	CT ETPH

Lab ID No: AD06302 **Collection Date:** 3/29/2002
Client Id: JBD020329-16 **Matrix** Soil

Parameter	Results	Units	PQL	Start Date	Analyst	Method
Motor Oil	Below det lim	mg/Kg	10	4/5/2002	JD	CT ETPH
Aviation Fuel	Below det lim	mg/Kg	10	4/5/2002	JD	CT ETPH
Unidentified	Below det lim	mg/Kg	10	4/5/2002	JD	CT ETPH
Other Oil	Below det lim	mg/Kg	10	4/5/2002	JD	CT ETPH
1-Chloro-octadecane (%SR)	68	mg/Kg	0.	4/5/2002	JD	CT ETPH
Metals Preparation						
Mercury Digestion	Completed			4/4/2002	LFR	EPA 245.1
Metals Digestion	Completed			4/4/2002	LFR	EPA 200.7
Metals Analysis						
Total RCRA8 Metals						
Total Arsenic	Below det lim	mg/Kg	2.75	4/6/2002	REC	EPA 200.7
Total Barium	4.10	mg/Kg	0.916	4/6/2002	REC	EPA 200.7
Total Cadmium	Below det lim	mg/Kg	0.458	4/6/2002	REC	EPA 200.7
Total Chromium	3.88	mg/Kg	0.916	4/6/2002	REC	EPA 200.7
Total Lead	Below det lim	mg/Kg	1.37	4/6/2002	REC	EPA 200.7
Total Selenium	Below det lim	mg/Kg	2.75	4/6/2002	REC	EPA 200.7
Total Silver	Below det lim	mg/Kg	1.83	4/6/2002	REC	EPA 200.7
Total Mercury	Below det lim	mg/Kg	0.184	4/5/2002	EPC	EPA 245.1
% Solids	92.4	%		4/3/2002	RT	SM2540 B Mod

Lab ID No: AD06303 **Collection Date:** 3/29/2002
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Parameter	Results	Units	PQL	Start Date	Analyst	Method
VOC Preparation						
VOC Extraction (solid)	Lab ext			4/3/2002	AS	SW846 5035
Volatile Organic Compounds						
VOCs by GC/MS						
Acetone	Below det lim	ug/Kg	240	4/5/2002	KW	SW846 8260B
Acrylonitrile	Below det lim	ug/Kg	12.0	4/5/2002	KW	SW846 8260B
Benzene	Below det lim	ug/Kg	12.0	4/5/2002	KW	SW846 8260B
Bromobenzene	Below det lim	ug/Kg	12.0	4/5/2002	KW	SW846 8260B
Bromochloromethane	Below det lim	ug/Kg	12.0	4/5/2002	KW	SW846 8260B
Bromodichloromethane	Below det lim	ug/Kg	12.0	4/5/2002	KW	SW846 8260B
Bromoform	Below det lim	ug/Kg	12.0	4/5/2002	KW	SW846 8260B
Bromomethane	Below det lim	ug/Kg	24.0	4/5/2002	KW	SW846 8260B
2-Butanone (MEK)	Below det lim	ug/Kg	120	4/5/2002	KW	SW846 8260B
n-Butylbenzene	Below det lim	ug/Kg	12.0	4/5/2002	KW	SW846 8260B
sec-Butylbenzene	Below det lim	ug/Kg	12.0	4/5/2002	KW	SW846 8260B
tert-Butylbenzene	Below det lim	ug/Kg	12.0	4/5/2002	KW	SW846 8260B
Carbon disulfide	Below det lim	ug/Kg	60.0	4/5/2002	KW	SW846 8260B
Carbon tetrachloride	Below det lim	ug/Kg	12.0	4/5/2002	KW	SW846 8260B
Chlorobenzene	Below det lim	ug/Kg	12.0	4/5/2002	KW	SW846 8260B
Chloroethane	Below det lim	ug/Kg	24.0	4/5/2002	KW	SW846 8260B
Chloroform	Below det lim	ug/Kg	12.0	4/5/2002	KW	SW846 8260B
Chloromethane	Below det lim	ug/Kg	24.0	4/5/2002	KW	SW846 8260B
2-Chlorotoluene	Below det lim	ug/Kg	12.0	4/5/2002	KW	SW846 8260B
4-Chlorotoluene	Below det lim	ug/Kg	12.0	4/5/2002	KW	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	Below det lim	ug/Kg	24.0	4/5/2002	KW	SW846 8260B
Dibromochloromethane	Below det lim	ug/Kg	12.0	4/5/2002	KW	SW846 8260B
1,2-Dibromoethane (EDB)	Below det lim	ug/Kg	12.0	4/5/2002	KW	SW846 8260B
Dibromomethane	Below det lim	ug/Kg	12.0	4/5/2002	KW	SW846 8260B
1,2-Dichlorobenzene	Below det lim	ug/Kg	12.0	4/5/2002	KW	SW846 8260B
1,3-Dichlorobenzene	Below det lim	ug/Kg	12.0	4/5/2002	KW	SW846 8260B
1,4-Dichlorobenzene	Below det lim	ug/Kg	12.0	4/5/2002	KW	SW846 8260B
Dichlorodifluoromethane	Below det lim	ug/Kg	24.0	4/5/2002	KW	SW846 8260B
1,1-Dichloroethane	Below det lim	ug/Kg	12.0	4/5/2002	KW	SW846 8260B
1,2-Dichloroethane	Below det lim	ug/Kg	12.0	4/5/2002	KW	SW846 8260B
1,1-Dichloroethene	Below det lim	ug/Kg	12.0	4/5/2002	KW	SW846 8260B
cis-1,2-Dichloroethene	Below det lim	ug/Kg	12.0	4/5/2002	KW	SW846 8260B
trans-1,2-Dichloroethene	Below det lim	ug/Kg	12.0	4/5/2002	KW	SW846 8260B
1,2-Dichloropropane	Below det lim	ug/Kg	12.0	4/5/2002	KW	SW846 8260B
1,3-Dichloropropane	Below det lim	ug/Kg	12.0	4/5/2002	KW	SW846 8260B
2,2-Dichloropropane	Below det lim	ug/Kg	12.0	4/5/2002	KW	SW846 8260B
1,1-Dichloropropene	Below det lim	ug/Kg	12.0	4/5/2002	KW	SW846 8260B

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Parameter	Results	Units	PQL	Start Date	Analyst	Method
cis-1,3-Dichloropropene	Below det lim	ug/Kg	12.0	4/5/2002	KW	SW846 8260B
trans-1,3-Dichloropropene	Below det lim	ug/Kg	12.0	4/5/2002	KW	SW846 8260B
Ethylbenzene	Below det lim	ug/Kg	12.0	4/5/2002	KW	SW846 8260B
Hexachlorobutadiene	Below det lim	ug/Kg	12.0	4/5/2002	KW	SW846 8260B
2-Hexanone (MBK)	Below det lim	ug/Kg	120	4/5/2002	KW	SW846 8260B
Isopropylbenzene	Below det lim	ug/Kg	12.0	4/5/2002	KW	SW846 8260B
4-Isopropyltoluene	Below det lim	ug/Kg	12.0	4/5/2002	KW	SW846 8260B
Methyl-tert-butyl ether (MTBE)	Below det lim	ug/Kg	12.0	4/5/2002	KW	SW846 8260B
4-Methyl-2-pentanone (MIBK)	Below det lim	ug/Kg	120	4/5/2002	KW	SW846 8260B
Methylene chloride	Below det lim	ug/Kg	17.0	4/5/2002	KW	SW846 8260B
Naphthalene	Below det lim	ug/Kg	12.0	4/5/2002	KW	SW846 8260B
n-Propylbenzene	Below det lim	ug/Kg	12.0	4/5/2002	KW	SW846 8260B
Styrene	Below det lim	ug/Kg	12.0	4/5/2002	KW	SW846 8260B
1,1,1,2-Tetrachloroethane	Below det lim	ug/Kg	12.0	4/5/2002	KW	SW846 8260B
1,1,2,2-Tetrachloroethane	Below det lim	ug/Kg	12.0	4/5/2002	KW	SW846 8260B
Tetrachloroethene (PCE)	Below det lim	ug/Kg	12.0	4/5/2002	KW	SW846 8260B
Toluene	Below det lim	ug/Kg	12.0	4/5/2002	KW	SW846 8260B
1,2,3-Trichlorobenzene	Below det lim	ug/Kg	12.0	4/5/2002	KW	SW846 8260B
1,2,4-Trichlorobenzene	Below det lim	ug/Kg	12.0	4/5/2002	KW	SW846 8260B
1,1,1-Trichloroethane	Below det lim	ug/Kg	12.0	4/5/2002	KW	SW846 8260B
1,1,2-Trichloroethane	Below det lim	ug/Kg	12.0	4/5/2002	KW	SW846 8260B
Trichloroethene (TCE)	Below det lim	ug/Kg	12.0	4/5/2002	KW	SW846 8260B
Trichlorofluoromethane	Below det lim	ug/Kg	12.0	4/5/2002	KW	SW846 8260B
1,2,3-Trichloropropane	Below det lim	ug/Kg	12.0	4/5/2002	KW	SW846 8260B
1,2,4-Trimethylbenzene	Below det lim	ug/Kg	12.0	4/5/2002	KW	SW846 8260B
1,3,5-Trimethylbenzene	Below det lim	ug/Kg	12.0	4/5/2002	KW	SW846 8260B
Vinyl chloride	Below det lim	ug/Kg	12.0	4/5/2002	KW	SW846 8260B
m,p-Xylenes	Below det lim	ug/Kg	24.0	4/5/2002	KW	SW846 8260B
o-Xylene	Below det lim	ug/Kg	12.0	4/5/2002	KW	SW846 8260B
4-Bromofluorobenzene (%SR)	89	ug/Kg	0.000	4/5/2002	KW	SW846 8260B
1,4-Difluorobenzene (%SR)	99	ug/Kg	0.000	4/5/2002	KW	SW846 8260B
Chlorobenzene-d5 (%SR)	92	ug/Kg	0.000	4/5/2002	KW	SW846 8260B
TPH Preparation						
Ultrasonic Extraction	Completed			4/3/2002	RT	SW846 3550B
Petroleum Hydrocarbon Analysis						
Extractable TPH						
Total Petroleum Hydrocarbons (C9-C36)	Below det lim	mg/Kg	10	4/5/2002	JD	CT ETPH
Gasoline	Below det lim	mg/Kg	10	4/5/2002	JD	CT ETPH
Fuel Oil #2	Below det lim	mg/Kg	10	4/5/2002	JD	CT ETPH
Fuel Oil #4	Below det lim	mg/Kg	10	4/5/2002	JD	CT ETPH
Fuel Oil #6	Below det lim	mg/Kg	10	4/5/2002	JD	CT ETPH

Lab ID No: AD06303 **Collection Date:** 3/29/2002
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Parameter	Results	Units	PQL	Start Date	Analyst	Method
Motor Oil	Below det lim	mg/Kg	10	4/5/2002	JD	CT ETPH
Aviation Fuel	Below det lim	mg/Kg	10	4/5/2002	JD	CT ETPH
Unidentified	Below det lim	mg/Kg	10	4/5/2002	JD	CT ETPH
Other Oil	Below det lim	mg/Kg	10	4/5/2002	JD	CT ETPH
1-Chloro-octadecane (%SR)	77	mg/Kg	0.	4/5/2002	JD	CT ETPH
SVOC Preparation						
Ultrasonic Extraction	Completed			4/3/2002	RT	SW846 3550B
Semivolatile Organic Compounds						
PAHs by GC/MS						
Naphthalene	Below det lim	ug/Kg	141	4/5/2002	MSL	SW846 8270C
2-Methylnaphthalene	Below det lim	ug/Kg	141	4/5/2002	MSL	SW846 8270C
1-Methylnaphthalene	Below det lim	ug/Kg	141	4/5/2002	MSL	SW846 8270C
Acenaphthylene	Below det lim	ug/Kg	141	4/5/2002	MSL	SW846 8270C
Acenaphthene	Below det lim	ug/Kg	141	4/5/2002	MSL	SW846 8270C
Fluorene	Below det lim	ug/Kg	141	4/5/2002	MSL	SW846 8270C
Phenanthrene	Below det lim	ug/Kg	141	4/5/2002	MSL	SW846 8270C
Anthracene	Below det lim	ug/Kg	141	4/5/2002	MSL	SW846 8270C
Fluoranthene	Below det lim	ug/Kg	141	4/5/2002	MSL	SW846 8270C
Pyrene	Below det lim	ug/Kg	141	4/5/2002	MSL	SW846 8270C
Benzo (a) anthracene	Below det lim	ug/Kg	141	4/5/2002	MSL	SW846 8270C
Chrysene	Below det lim	ug/Kg	141	4/5/2002	MSL	SW846 8270C
Benzo (b) fluoranthene	Below det lim	ug/Kg	141	4/5/2002	MSL	SW846 8270C
Benzo (k) fluoranthene	Below det lim	ug/Kg	141	4/5/2002	MSL	SW846 8270C
Benzo (a) pyrene	Below det lim	ug/Kg	141	4/5/2002	MSL	SW846 8270C
Indeno (1,2,3-cd) pyrene	Below det lim	ug/Kg	141	4/5/2002	MSL	SW846 8270C
Dibenzo (a,h) anthracene	Below det lim	ug/Kg	141	4/5/2002	MSL	SW846 8270C
Benzo (g,h,i) perylene	Below det lim	ug/Kg	141	4/5/2002	MSL	SW846 8270C
2-Fluorobiphenyl (%SR)	80	ug/Kg	0.000	4/5/2002	MSL	SW846 8270C
Terphenyl-d14 (%SR)	70	ug/Kg	0.000	4/5/2002	MSL	SW846 8270C
Metals Preparation						
Mercury Digestion	Completed			4/4/2002	LFR	EPA 245.1
Metals Digestion	Completed			4/4/2002	LFR	EPA 200.7
Metals Analysis						
Total RCRA8 Metals						
Total Arsenic	Below det lim	mg/Kg	2.79	4/6/2002	REC	EPA 200.7
Total Barium	3.88	mg/Kg	0.932	4/6/2002	REC	EPA 200.7
Total Cadmium	Below det lim	mg/Kg	0.466	4/6/2002	REC	EPA 200.7
Total Chromium	3.61	mg/Kg	0.932	4/6/2002	REC	EPA 200.7
Total Lead	Below det lim	mg/Kg	1.40	4/6/2002	REC	EPA 200.7
Total Selenium	Below det lim	mg/Kg	2.79	4/6/2002	REC	EPA 200.7

Lab ID No: AD06303
Client Id: JBD020329-17

Collection Date: 3/29/2002
Matrix Soil

Parameter	Results	Units	PQL	Start Date	Analyst	Method
Total Silver	Below det lim	mg/Kg	1.86	4/6/2002	REC	EPA 200.7
Total Mercury	Below det lim	mg/Kg	0.176	4/5/2002	EPC	EPA 245.1
% Solids	95	%		4/3/2002	RT	SM2540 B Mod

Lab ID No: AD06304 **Collection Date:** 3/29/2002
Client Id: JBD020329-18 **Matrix** Soil

Parameter	Results	Units	PQL	Start Date	Analyst	Method
VOC Preparation						
VOC Extraction (solid)	Lab ext			4/3/2002	AS	SW846 5035
Volatile Organic Compounds						
VOCs by GC/MS						
Acetone	Below det lim	ug/Kg	260	4/5/2002	KW	SW846 8260B
Acrylonitrile	Below det lim	ug/Kg	13.0	4/5/2002	KW	SW846 8260B
Benzene	Below det lim	ug/Kg	13.0	4/5/2002	KW	SW846 8260B
Bromobenzene	Below det lim	ug/Kg	13.0	4/5/2002	KW	SW846 8260B
Bromochloromethane	Below det lim	ug/Kg	13.0	4/5/2002	KW	SW846 8260B
Bromodichloromethane	Below det lim	ug/Kg	13.0	4/5/2002	KW	SW846 8260B
Bromoform	Below det lim	ug/Kg	13.0	4/5/2002	KW	SW846 8260B
Bromomethane	Below det lim	ug/Kg	26.0	4/5/2002	KW	SW846 8260B
2-Butanone (MEK)	Below det lim	ug/Kg	130	4/5/2002	KW	SW846 8260B
n-Butylbenzene	Below det lim	ug/Kg	13.0	4/5/2002	KW	SW846 8260B
sec-Butylbenzene	Below det lim	ug/Kg	13.0	4/5/2002	KW	SW846 8260B
tert-Butylbenzene	Below det lim	ug/Kg	13.0	4/5/2002	KW	SW846 8260B
Carbon disulfide	Below det lim	ug/Kg	65.0	4/5/2002	KW	SW846 8260B
Carbon tetrachloride	Below det lim	ug/Kg	13.0	4/5/2002	KW	SW846 8260B
Chlorobenzene	Below det lim	ug/Kg	13.0	4/5/2002	KW	SW846 8260B
Chloroethane	Below det lim	ug/Kg	26.0	4/5/2002	KW	SW846 8260B
Chloroform	Below det lim	ug/Kg	13.0	4/5/2002	KW	SW846 8260B
Chloromethane	Below det lim	ug/Kg	26.0	4/5/2002	KW	SW846 8260B
2-Chlorotoluene	Below det lim	ug/Kg	13.0	4/5/2002	KW	SW846 8260B
4-Chlorotoluene	Below det lim	ug/Kg	13.0	4/5/2002	KW	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	Below det lim	ug/Kg	26.0	4/5/2002	KW	SW846 8260B
Dibromochloromethane	Below det lim	ug/Kg	13.0	4/5/2002	KW	SW846 8260B
1,2-Dibromoethane (EDB)	Below det lim	ug/Kg	13.0	4/5/2002	KW	SW846 8260B
Dibromomethane	Below det lim	ug/Kg	13.0	4/5/2002	KW	SW846 8260B
1,2-Dichlorobenzene	Below det lim	ug/Kg	13.0	4/5/2002	KW	SW846 8260B
1,3-Dichlorobenzene	Below det lim	ug/Kg	13.0	4/5/2002	KW	SW846 8260B
1,4-Dichlorobenzene	Below det lim	ug/Kg	13.0	4/5/2002	KW	SW846 8260B
Dichlorodifluoromethane	Below det lim	ug/Kg	26.0	4/5/2002	KW	SW846 8260B
1,1-Dichloroethane	Below det lim	ug/Kg	13.0	4/5/2002	KW	SW846 8260B
1,2-Dichloroethane	Below det lim	ug/Kg	13.0	4/5/2002	KW	SW846 8260B
1,1-Dichloroethene	Below det lim	ug/Kg	13.0	4/5/2002	KW	SW846 8260B
cis-1,2-Dichloroethene	Below det lim	ug/Kg	13.0	4/5/2002	KW	SW846 8260B
trans-1,2-Dichloroethene	Below det lim	ug/Kg	13.0	4/5/2002	KW	SW846 8260B
1,2-Dichloropropane	Below det lim	ug/Kg	13.0	4/5/2002	KW	SW846 8260B
1,3-Dichloropropane	Below det lim	ug/Kg	13.0	4/5/2002	KW	SW846 8260B
2,2-Dichloropropane	Below det lim	ug/Kg	13.0	4/5/2002	KW	SW846 8260B
1,1-Dichloropropene	Below det lim	ug/Kg	13.0	4/5/2002	KW	SW846 8260B

Lab ID No: AD06304 **Collection Date:** 3/29/2002
Client Id: JBD020329-18 **Matrix** Soil

Parameter	Results	Units	PQL	Start Date	Analyst	Method
cis-1,3-Dichloropropene	Below det lim	ug/Kg	13.0	4/5/2002	KW	SW846 8260B
trans-1,3-Dichloropropene	Below det lim	ug/Kg	13.0	4/5/2002	KW	SW846 8260B
Ethylbenzene	Below det lim	ug/Kg	13.0	4/5/2002	KW	SW846 8260B
Hexachlorobutadiene	Below det lim	ug/Kg	13.0	4/5/2002	KW	SW846 8260B
2-Hexanone (MBK)	Below det lim	ug/Kg	130	4/5/2002	KW	SW846 8260B
Isopropylbenzene	Below det lim	ug/Kg	13.0	4/5/2002	KW	SW846 8260B
4-Isopropyltoluene	Below det lim	ug/Kg	13.0	4/5/2002	KW	SW846 8260B
Methyl-tert-butyl ether (MTBE)	Below det lim	ug/Kg	13.0	4/5/2002	KW	SW846 8260B
4-Methyl-2-pentanone (MIBK)	Below det lim	ug/Kg	130	4/5/2002	KW	SW846 8260B
Methylene chloride	Below det lim	ug/Kg	22.0	4/5/2002	KW	SW846 8260B
Naphthalene	Below det lim	ug/Kg	13.0	4/5/2002	KW	SW846 8260B
n-Propylbenzene	Below det lim	ug/Kg	13.0	4/5/2002	KW	SW846 8260B
Styrene	Below det lim	ug/Kg	13.0	4/5/2002	KW	SW846 8260B
1,1,1,2-Tetrachloroethane	Below det lim	ug/Kg	13.0	4/5/2002	KW	SW846 8260B
1,1,2,2-Tetrachloroethane	Below det lim	ug/Kg	13.0	4/5/2002	KW	SW846 8260B
Tetrachloroethene (PCE)	Below det lim	ug/Kg	13.0	4/5/2002	KW	SW846 8260B
Toluene	14	ug/Kg	13.0	4/5/2002	KW	SW846 8260B
1,2,3-Trichlorobenzene	Below det lim	ug/Kg	13.0	4/5/2002	KW	SW846 8260B
1,2,4-Trichlorobenzene	Below det lim	ug/Kg	13.0	4/5/2002	KW	SW846 8260B
1,1,1-Trichloroethane	Below det lim	ug/Kg	13.0	4/5/2002	KW	SW846 8260B
1,1,2-Trichloroethane	Below det lim	ug/Kg	13.0	4/5/2002	KW	SW846 8260B
Trichloroethene (TCE)	Below det lim	ug/Kg	13.0	4/5/2002	KW	SW846 8260B
Trichlorofluoromethane	Below det lim	ug/Kg	13.0	4/5/2002	KW	SW846 8260B
1,2,3-Trichloropropane	Below det lim	ug/Kg	13.0	4/5/2002	KW	SW846 8260B
1,2,4-Trimethylbenzene	Below det lim	ug/Kg	13.0	4/5/2002	KW	SW846 8260B
1,3,5-Trimethylbenzene	Below det lim	ug/Kg	13.0	4/5/2002	KW	SW846 8260B
Vinyl chloride	Below det lim	ug/Kg	13.0	4/5/2002	KW	SW846 8260B
m,p-Xylenes	Below det lim	ug/Kg	26.0	4/5/2002	KW	SW846 8260B
o-Xylene	Below det lim	ug/Kg	13.0	4/5/2002	KW	SW846 8260B
4-Bromofluorobenzene (%SR)	86	ug/Kg	0.000	4/5/2002	KW	SW846 8260B
1,4-Difluorobenzene (%SR)	96	ug/Kg	0.000	4/5/2002	KW	SW846 8260B
Chlorobenzene-d5 (%SR)	93	ug/Kg	0.000	4/5/2002	KW	SW846 8260B
TPH Preparation						
Ultrasonic Extraction	Completed			4/3/2002	RT	SW846 3550B
Petroleum Hydrocarbon Analysis						
Extractable TPH						
Total Petroleum Hydrocarbons (C9-C36)	1,400	mg/Kg	20	4/5/2002	JD	CT ETPH
Gasoline	Below det lim	mg/Kg	20	4/5/2002	JD	CT ETPH
Fuel Oil #2	Below det lim	mg/Kg	20	4/5/2002	JD	CT ETPH
Fuel Oil #4	Below det lim	mg/Kg	20	4/5/2002	JD	CT ETPH
Fuel Oil #6	Below det lim	mg/Kg	20	4/5/2002	JD	CT ETPH

Lab ID No: AD06304 **Collection Date:** 3/29/2002
Client Id: JBD020329-18 **Matrix** Soil

Parameter	Results	Units	PQL	Start Date	Analyst	Method
Motor Oil	Below det lim	mg/Kg	20	4/5/2002	JD	CT ETPH
Aviation Fuel	Below det lim	mg/Kg	20	4/5/2002	JD	CT ETPH
Unidentified	1,400	mg/Kg	20	4/5/2002	JD	CT ETPH
Other Oil	*	mg/Kg	20	4/5/2002	JD	CT ETPH
1-Chloro-octadecane (%SR)	86	mg/Kg	0.	4/5/2002	JD	CT ETPH
SVOC Preparation						
Ultrasonic Extraction	Completed			4/3/2002	RT	SW846 3550B
Semivolatile Organic Compounds						
PAHs by GC/MS						
Naphthalene	Below det lim	ug/Kg	1110	4/5/2002	MSL	SW846 8270C
2-Methylnaphthalene	Below det lim	ug/Kg	1110	4/5/2002	MSL	SW846 8270C
1-Methylnaphthalene	Below det lim	ug/Kg	1110	4/5/2002	MSL	SW846 8270C
Acenaphthylene	Below det lim	ug/Kg	1110	4/5/2002	MSL	SW846 8270C
Acenaphthene	Below det lim	ug/Kg	1110	4/5/2002	MSL	SW846 8270C
Fluorene	Below det lim	ug/Kg	1110	4/5/2002	MSL	SW846 8270C
Phenanthrene	1,500	ug/Kg	1110	4/5/2002	MSL	SW846 8270C
Anthracene	Below det lim	ug/Kg	1110	4/5/2002	MSL	SW846 8270C
Fluoranthene	2,600	ug/Kg	1110	4/5/2002	MSL	SW846 8270C
Pyrene	2,800	ug/Kg	1110	4/5/2002	MSL	SW846 8270C
Benzo (a) anthracene	1,900	ug/Kg	1110	4/5/2002	MSL	SW846 8270C
Chrysene	1,700	ug/Kg	1110	4/5/2002	MSL	SW846 8270C
Benzo (b) fluoranthene	Below det lim	ug/Kg	1110	4/5/2002	MSL	SW846 8270C
Benzo (k) fluoranthene	Below det lim	ug/Kg	1110	4/5/2002	MSL	SW846 8270C
Benzo (a) pyrene	Below det lim	ug/Kg	1110	4/5/2002	MSL	SW846 8270C
Indeno (1,2,3-cd) pyrene	Below det lim	ug/Kg	1110	4/5/2002	MSL	SW846 8270C
Dibenzo (a,h) anthracene	Below det lim	ug/Kg	1110	4/5/2002	MSL	SW846 8270C
Benzo (g,h,i) perylene	Below det lim	ug/Kg	1110	4/5/2002	MSL	SW846 8270C
2-Fluorobiphenyl (%SR)	74	ug/Kg	0.000	4/5/2002	MSL	SW846 8270C
Terphenyl-d14 (%SR)	76	ug/Kg	0.000	4/5/2002	MSL	SW846 8270C
Semivolatile Organic Compounds						
Polychlorinated Biphenyls by GC						
PCB-1016	Below det lim	ug/Kg	32	4/3/2002	TG	SW846 8082
PCB-1221	Below det lim	ug/Kg	32	4/3/2002	TG	SW846 8082
PCB-1232	Below det lim	ug/Kg	32	4/3/2002	TG	SW846 8082
PCB-1242	Below det lim	ug/Kg	32	4/3/2002	TG	SW846 8082
PCB-1248	Below det lim	ug/Kg	32	4/3/2002	TG	SW846 8082
PCB-1254	Below det lim	ug/Kg	32	4/3/2002	TG	SW846 8082
PCB-1260	Below det lim	ug/Kg	32	4/3/2002	TG	SW846 8082
Decachlorobiphenyl (%SR)	82	ug/Kg	0.00	4/3/2002	TG	SW846 8082
Metals Preparation						

Lab ID No: AD06304 **Collection Date:** 3/29/2002
Client Id: JBD020329-18 **Matrix** Soil

Parameter	Results	Units	PQL	Start Date		Analyst	Method
Mercury Digestion	Completed			4/4/2002		LFR	EPA 245.1
Mercury Digestion on Leachate	Completed			4/17/2002		LK	EPA 245.1
Metals Digestion	Completed			4/4/2002		LFR	EPA 200.7
Metals Digestion on Leachate	Completed			4/17/2002		LK	EPA 200.7
Metals Analysis							
TCLP Mercury	Below det lim	mg/L	0.0004	4/17/2002		EPR	1311/245.1
TCLP RCRA8 Metals							
TCLP Arsenic	Below det lim	mg/L	0.015	4/17/2002		KSR	1311/200.7
TCLP Barium	0.918	mg/L	0.005	4/17/2002		KSR	1311/200.7
TCLP Cadmium	0.0052	mg/L	0.0025	4/17/2002		KSR	1311/200.7
TCLP Chromium	Below det lim	mg/L	0.005	4/17/2002		KSR	1311/200.7
TCLP Lead	0.822	mg/L	0.0075	4/17/2002		KSR	1311/200.7
TCLP Selenium	Below det lim	mg/L	0.015	4/17/2002		KSR	1311/200.7
TCLP Silver	Below det lim	mg/L	0.010	4/17/2002		KSR	1311/200.7
Total RCRA8 Metals							
Total Arsenic	Below det lim	mg/Kg	2.93	4/6/2002		REC	EPA 200.7
Total Barium	38.7	mg/Kg	0.976	4/6/2002		REC	EPA 200.7
Total Cadmium	0.605	mg/Kg	0.488	4/6/2002		REC	EPA 200.7
Total Chromium	15.1	mg/Kg	0.976	4/6/2002		REC	EPA 200.7
Total Lead	241	mg/Kg	1.46	4/6/2002		REC	EPA 200.7
Total Selenium	Below det lim	mg/Kg	2.93	4/6/2002		REC	EPA 200.7
Total Silver	Below det lim	mg/Kg	1.95	4/6/2002		REC	EPA 200.7
Total Mercury	0.582	mg/Kg	0.191	4/5/2002		EPC	EPA 245.1
General Chemistry							
Ignitability of Solids	Negative	pos/neg		4/12/2002	13:30	JC	SW846 1030
pH	7.52@22.1	pH Units		4/16/2002	7:00	JC	SW846 9045
TCLP/SPLP Preparation							
TCLP Extraction for Metals	Completed			4/15/2002		HB	SW846 1311
General Chemistry							
Reactivity - Cyanide/Sulfide							
Reactivity	Negative	mg/Kg		4/12/2002		KG	SW846 7.3
Reactivity Cyanide	Below det lim	mg/Kg	0.26	4/12/2002		KG	SW846 7.3
Reactivity Sulfide	Below det lim	mg/Kg	26	4/12/2002		KG	SW846 7.3
% Solids	88.9	%		4/3/2002		RT	SM2540 B Mod

NOTE: Sample analyzed past the holding time for pH, Ignitability, Reactivity analysis per client request.

Lab ID No: AD06305 **Collection Date:** 3/29/2002
Client Id: JBD020329-01 **Matrix** Ground Water

Parameter	Results	Units	PQL	Start Date	Analyst	Method
Volatile Organic Compounds						
VOCs by GC/MS						
Acetone	130	ug/L	20.0	4/5/2002	KW	SW846 8260B
Acrylonitrile	Below det lim	ug/L	1.0	4/5/2002	KW	SW846 8260B
Benzene	Below det lim	ug/L	1.0	4/5/2002	KW	SW846 8260B
Bromobenzene	Below det lim	ug/L	1.0	4/5/2002	KW	SW846 8260B
Bromochloromethane	Below det lim	ug/L	1.0	4/5/2002	KW	SW846 8260B
Bromodichloromethane	Below det lim	ug/L	1.0	4/5/2002	KW	SW846 8260B
Bromoform	Below det lim	ug/L	1.0	4/5/2002	KW	SW846 8260B
Bromomethane	Below det lim	ug/L	2.0	4/5/2002	KW	SW846 8260B
2-Butanone (MEK)	Below det lim	ug/L	10.0	4/5/2002	KW	SW846 8260B
n-Butylbenzene	Below det lim	ug/L	1.0	4/5/2002	KW	SW846 8260B
sec-Butylbenzene	Below det lim	ug/L	1.0	4/5/2002	KW	SW846 8260B
tert-Butylbenzene	Below det lim	ug/L	1.0	4/5/2002	KW	SW846 8260B
Carbon disulfide	Below det lim	ug/L	5.0	4/5/2002	KW	SW846 8260B
Carbon tetrachloride	Below det lim	ug/L	1.0	4/5/2002	KW	SW846 8260B
Chlorobenzene	Below det lim	ug/L	1.0	4/5/2002	KW	SW846 8260B
Chloroethane	Below det lim	ug/L	2.0	4/5/2002	KW	SW846 8260B
Chloroform	Below det lim	ug/L	1.0	4/5/2002	KW	SW846 8260B
Chloromethane	Below det lim	ug/L	2.0	4/5/2002	KW	SW846 8260B
2-Chlorotoluene	Below det lim	ug/L	1.0	4/5/2002	KW	SW846 8260B
4-Chlorotoluene	Below det lim	ug/L	1.0	4/5/2002	KW	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	Below det lim	ug/L	2.0	4/5/2002	KW	SW846 8260B
Dibromochloromethane	Below det lim	ug/L	1.0	4/5/2002	KW	SW846 8260B
1,2-Dibromoethane (EDB)	Below det lim	ug/L	1.0	4/5/2002	KW	SW846 8260B
Dibromomethane	Below det lim	ug/L	1.0	4/5/2002	KW	SW846 8260B
1,2-Dichlorobenzene	Below det lim	ug/L	1.0	4/5/2002	KW	SW846 8260B
1,3-Dichlorobenzene	Below det lim	ug/L	1.0	4/5/2002	KW	SW846 8260B
1,4-Dichlorobenzene	Below det lim	ug/L	1.0	4/5/2002	KW	SW846 8260B
Dichlorodifluoromethane	Below det lim	ug/L	2.0	4/5/2002	KW	SW846 8260B
1,1-Dichloroethane	Below det lim	ug/L	1.0	4/5/2002	KW	SW846 8260B
1,2-Dichloroethane	Below det lim	ug/L	1.0	4/5/2002	KW	SW846 8260B
1,1-Dichloroethene	Below det lim	ug/L	1.0	4/5/2002	KW	SW846 8260B
cis-1,2-Dichloroethene	Below det lim	ug/L	1.0	4/5/2002	KW	SW846 8260B
trans-1,2-Dichloroethene	Below det lim	ug/L	1.0	4/5/2002	KW	SW846 8260B
1,2-Dichloropropane	Below det lim	ug/L	1.0	4/5/2002	KW	SW846 8260B
1,3-Dichloropropane	Below det lim	ug/L	1.0	4/5/2002	KW	SW846 8260B
2,2-Dichloropropane	Below det lim	ug/L	1.0	4/5/2002	KW	SW846 8260B
1,1-Dichloropropene	Below det lim	ug/L	1.0	4/5/2002	KW	SW846 8260B
cis-1,3-Dichloropropene	Below det lim	ug/L	1.0	4/5/2002	KW	SW846 8260B
trans-1,3-Dichloropropene	Below det lim	ug/L	1.0	4/5/2002	KW	SW846 8260B
Ethylbenzene	Below det lim	ug/L	1.0	4/5/2002	KW	SW846 8260B

Lab ID No: AD06305 **Collection Date:** 3/29/2002
Client Id: JBD020329-01 **Matrix** Ground Water

Parameter	Results	Units	PQL	Start Date	Analyst	Method
Hexachlorobutadiene	Below det lim	ug/L	1.0	4/5/2002	KW	SW846 8260B
2-Hexanone (MBK)	Below det lim	ug/L	10.0	4/5/2002	KW	SW846 8260B
Isopropylbenzene	Below det lim	ug/L	1.0	4/5/2002	KW	SW846 8260B
4-Isopropyltoluene	Below det lim	ug/L	1.0	4/5/2002	KW	SW846 8260B
Methyl-tert-butyl ether (MTBE)	Below det lim	ug/L	1.0	4/5/2002	KW	SW846 8260B
4-Methyl-2-pentanone (MIBK)	Below det lim	ug/L	10.0	4/5/2002	KW	SW846 8260B
Methylene chloride	Below det lim	ug/L	1.0	4/5/2002	KW	SW846 8260B
Naphthalene	Below det lim	ug/L	1.0	4/5/2002	KW	SW846 8260B
n-Propylbenzene	Below det lim	ug/L	1.0	4/5/2002	KW	SW846 8260B
Styrene	Below det lim	ug/L	1.0	4/5/2002	KW	SW846 8260B
1,1,1,2-Tetrachloroethane	Below det lim	ug/L	1.0	4/5/2002	KW	SW846 8260B
1,1,2,2-Tetrachloroethane	Below det lim	ug/L	1.0	4/5/2002	KW	SW846 8260B
Tetrachloroethene (PCE)	Below det lim	ug/L	1.0	4/5/2002	KW	SW846 8260B
Toluene	1.8	ug/L	1.0	4/5/2002	KW	SW846 8260B
1,2,3-Trichlorobenzene	Below det lim	ug/L	1.0	4/5/2002	KW	SW846 8260B
1,2,4-Trichlorobenzene	Below det lim	ug/L	1.0	4/5/2002	KW	SW846 8260B
1,1,1-Trichloroethane	Below det lim	ug/L	1.0	4/5/2002	KW	SW846 8260B
1,1,2-Trichloroethane	Below det lim	ug/L	1.0	4/5/2002	KW	SW846 8260B
Trichloroethene (TCE)	Below det lim	ug/L	1.0	4/5/2002	KW	SW846 8260B
Trichlorofluoromethane	Below det lim	ug/L	1.0	4/5/2002	KW	SW846 8260B
1,2,3-Trichloropropane	Below det lim	ug/L	1.0	4/5/2002	KW	SW846 8260B
1,2,4-Trimethylbenzene	Below det lim	ug/L	1.0	4/5/2002	KW	SW846 8260B
1,3,5-Trimethylbenzene	Below det lim	ug/L	1.0	4/5/2002	KW	SW846 8260B
Vinyl chloride	Below det lim	ug/L	1.0	4/5/2002	KW	SW846 8260B
m,p-Xylenes	Below det lim	ug/L	2.0	4/5/2002	KW	SW846 8260B
o-Xylene	Below det lim	ug/L	1.0	4/5/2002	KW	SW846 8260B
4-Bromofluorobenzene (%SR)	97	ug/L		4/5/2002	KW	SW846 8260B
1,4-Difluorobenzene (%SR)	102	ug/L		4/5/2002	KW	SW846 8260B
Chlorobenzene-d5 (%SR)	102	ug/L		4/5/2002	KW	SW846 8260B
SVOC Preparation						
Separatory Funnel Extraction	Completed			4/3/2002	WB	SW846 3510C
Semivolatile Organic Compounds						
Polychlorinated Biphenyls by GC						
PCB-1016	Below det lim	ug/L	0.2	4/3/2002	TG	EPA 608
PCB-1221	Below det lim	ug/L	0.2	4/3/2002	TG	EPA 608
PCB-1232	Below det lim	ug/L	0.2	4/3/2002	TG	EPA 608
PCB-1242	Below det lim	ug/L	0.2	4/3/2002	TG	EPA 608
PCB-1248	Below det lim	ug/L	0.2	4/3/2002	TG	EPA 608
PCB-1254	Below det lim	ug/L	0.2	4/3/2002	TG	EPA 608
PCB-1260	Below det lim	ug/L	0.2	4/3/2002	TG	EPA 608
Decachlorobiphenyl (%SR)	55	ug/L		4/3/2002	TG	EPA 608

Lab ID No: AD06305
Client Id: JBD020329-01

Collection Date: 3/29/2002
Matrix Ground Water

Parameter	Results	Units	PQL	Start Date	Analyst	Method
Metals Preparation						
Mercury Digestion	Completed			4/4/2002	LFR	EPA 245.1
Metals Digestion	Completed			4/4/2002	LFR	EPA 200.7
Metals Analysis						
Total RCRA8 Metals						
Total Arsenic	Below det lim	mg/L	0.004	4/5/2002	KSR	EPA 200.7
Total Barium	0.162	mg/L	0.0025	4/5/2002	KSR	EPA 200.7
Total Cadmium	0.0125	mg/L	0.00125	4/5/2002	KSR	EPA 200.7
Total Chromium	0.0173	mg/L	0.0025	4/5/2002	KSR	EPA 200.7
Total Lead	0.332	mg/L	0.00375	4/5/2002	KSR	EPA 200.7
Total Selenium	Below det lim	mg/L	0.025	4/5/2002	KSR	EPA 200.7
Total Silver	Below det lim	mg/L	0.005	4/5/2002	KSR	EPA 200.7
Total Mercury	Below det lim	mg/L	0.0004	4/4/2002	EPR	EPA 245.1

Reviewed by:

Quality Service/Quality Assurance Depts.

Validated by:

President/Laboratory Director

4/18/2002

SPECTRUM ANALYTICAL, INC.

Featuring

HANIBAL TECHNOLOGY

Laboratory Report Supplement

Interpretation of Total Petroleum Hydrocarbon Report

Petroleum identification is determined by comparing the GC fingerprint obtained from the sample with a library of GC fingerprints obtained from analyses of various petroleum products. Possible match categories are as follows:

Gasoline – includes regular, unleaded, premium, etc.
Fuel Oil #2 – includes home heating oil, #2 fuel oil, and diesel
Fuel Oil #4 – includes #4 fuel oil
Fuel Oil #6 – includes #6 fuel oil and bunker "C" oil
Motor Oil – includes virgin and waste automobile oil
Ligroin – includes mineral spirits, petroleum naphtha, vm&p naphtha
Aviation Fuel – includes kerosene, Jet A and JP-4
Other Oil – includes lubricating and cutting oil, and silicon oil

Factors such as microbial degradation, weathering and solubility generally prevent specific identification within a petroleum category. A finding of "unidentified" means that the sample fingerprint was characteristic of a petroleum product, but could not be matched to a fingerprint in our library.

After identification, the amount present in the sample is quantified using a calibration curve prepared from a petroleum product of the same category as the identified petroleum. Unidentified petroleum is quantified using a petroleum calibration that approximates the distribution of compounds in the sample. A * in the results column indicates the primary petroleum fingerprint calibration used to quantify unidentified samples. A ** in the results column indicates the secondary petroleum fingerprint calibration used to quantify unidentified samples. A *** in the results column indicates the tertiary petroleum fingerprint calibration used to quantify unidentified samples.

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References

SW 846	Test Methods for Evaluating Solid Waste. Third edition, 1998
40 CFR 136	Guidelines Establishing Test Procedures for the Analysis of Pollutants Under the Clean Water Act
40 CFR 141	National Primary Drinking Water Regulations
40 CFR 143	National Secondary Drinking Water Regulations
40 CFR 160	Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), Good Laboratory Practice Standards
APHA-AWWA-WPCF	Standard Methods for the Examination of Water and Wastewater. 19th edition, 1995
ASTM D 3328	Standard Methods for the Comparison of Waterborne Petroleum Oils by Gas Chromatography
EPA 540/G-87/003	Data Quality Objectives for Remediation Response Activities, Development Process
EPA 600/4-79-012	Quality Assurance Handbook for Analytical Quality Control in Water and Wastewater Laboratories
EPA 600/4-79-019	Handbook for Analytical Quality Control in Water and Wastewater Laboratories
EPA 600/4-79-020	Method for the Chemical Analysis of Water and Wastes
EPA 600/4-82-057	Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater
EPA 600/4-85/056	Choosing Cost-Effective QA/QC Programs for Chemical Analysis
EPA 600/4-88/039	Method for the Determination of Organic Compounds in Drinking Water
CT ETPH	Analysis of Extractable Total Petroleum Hydrocarbons (ETPH)
MADEP EPH	Method for the Determination of Extractable Petroleum Hydrocarbons (EPH)
MADEP VPH	Method for the Determination of Volatile Petroleum Hydrocarbons (VPH)
QAMS 004/80	Guidelines and Specifications for Preparing Quality Assurance Program Plans, USEPA Office of Monitoring System and Quality Assurance
GC-D-52-77	Oil Spill Identification System

Acronyms & Abbreviations

AA	Atomic Absorption	MS	Matrix Spike
ASTM	American Society for Testing and Materials	MSD	Matrix Spike Duplicate
BOD	Biological Oxygen Demand	NTU	Nephelometric Turbidity Units
°C	degree(s) Celsius	PAHs	Polynuclear Aromatic Hydrocarbons
COD	Chemical Oxygen Demand	PCBs	Polychlorinated Biphenyls
CMR	Code of Massachusetts Regulations	PID	Photo Ionization Detector
DEP	Department of Environmental Protection	PQL	Practical Quantitation Limit
DI	De-ionized	R	Recovery (%R: Percent Recovery)
DO	Dissolved Oxygen	RSD	Relative Standard Deviation
EPA	Environmental Protection Agency	SM	Standard Method
EPH	Extractable Petroleum Hydrocarbons	SR	Surrogate Recovery (%SR)
FID	Flame Ionization Detector	SW	Solid Waste
GC	Gas Chromatograph	THM	Trihalomethane(s)
GC / MS	Gas Chromatograph / Mass Spectrometer	TOC	Total Organic Carbon
ICP	Inductively Coupled Plasma	TOX	Total Organic Halogen
Id	Identification	TPH	Total Petroleum Hydrocarbons
MCL	Maximum Contaminant Level	VOC	Volatile Organic Compound
MDL	Minimum Detection Limit	VPH	Volatile Petroleum Hydrocarbons

APR 12 '02 03:46PM 2039537407

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CHAIN OF CUSTODY RECORD

Page 1 of 2

Special Handling:
- ☒ Standard TAT - 7 to 10 business days
- ☐ Rush TAT - Date Needed: _____

All TATs subject to laboratory approval
Min. 24-hour notification needed for rushes
All samples are disposed of after 60 days unless otherwise instructed.

Report To: C.E.E. Inc.
1100 Shield Street
West Hartford CT 06110

Project Mgr.: Bill Jackson

Invoice To: SAME

P.O. No.: _____ RQN: _____

Project No.: _____
Site Name: West River Bridge
Location: New Haven (I-95) State: CT
Sampler(s): JBD

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8= $NaHSO_4$ 9=_____ 10= None

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1=_____ X2=_____ X3=_____

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic		VOC - 8260	ETPH	PAH - 8270D	Total Metals (RCRA 5)	PCBs (SPLP)	Waste Characterization	TCLP RCRA 8	SPLP (Cr, Pb)	Notes:
ACAD06288	JBD020312-14	3/26/02	10:50	G	SO	10			2			X	X	X	X				X	* Fax results ASAP will decide on SPLP and Waste Characterization based on initial analysis
AC	-13	"	10:40	G	SO	10			2			X	X	X	X					** Include:
AC	-12	"	10:25	G	SO	10			2			X	X	X	X					- pH
AC	-02	"	9:45	G	SO	10			2			X	X	X	X	X	X	X		- Reactivity
AC	-03	"	9:55	G	SO	10			2			X	X	X	X		X	X		- Corrosivity
AC	-05	"	9:05	G	SO	10			2			X	X		X					☒ - Ignitability
AC	-06	"	9:20	G	SO	10			2			X	X		X					↳ SPLP PCB's
AC	-05	"	9:30	G	SO	10			2			X	X	X	X	X				
AC	-04	"	9:45	G	SO	10			2			X	X		X					
AC	-10	"	10:05	G	SO	10			2			X	X		X					

Relinquished by:	Received by:	Date:	Time:
[signature]	[signature]	[illegible]	[illegible]

☐ Fax results when available to (_____) _____
☐ E-mail results when available to _____
Condition upon Receipt: ☐ Iced ☐ Ambient ☐ 5 °C

SPECTRUM ANALYTICAL, INC.
Featuring
HANNIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 2 of 2

Special Handling:
- [x] Standard TAT - 7 to 10 business days
- [ ] Rush TAT - Date Needed: _____
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes
- All samples are disposed of after 60 days unless otherwise instructed.

Report To: CEE, Inc.
100 Shield Street
West Hartford CT 06110

Project Mgr.: Bill Jackson

Invoice To: [illegible]

P.O No.: _____ RQN: _____

Project No.: _____
Site Name: Lower River Bridge
Location: New Haven (I-95) State: CT
Sampler(s): JBO

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8= $NaHSO_4$ 9=_____ 10= None

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1=_____ X2=_____ X3=_____

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic		VOCs - MTBE 8260	ETPH	PAH SVOCs 8270	Toxic Pollutants (RCRA 8)	PCBs (8082)	Waste Characterization **	TCLP RCRA 8	SPLP (Cr, Pb)	Notes:
AC	JBO20327-11	3/27/02	10:10	G	SO	10			2			X	X	X	X	X				
AC	-15	"	11:30	G	SO	10			2			X	X	X	X				X	
AC	-18	"	1:00	G	SO	10			2			X	X	X	X	X				
AC	-16	"	11:45	G	SO	10			2			X	X		X					
AC	-17	"	12:15	G	SO	10			2			X	X	X	X					
AC	-19	"	12:30	G	SO	10			2			X	X	X	X	X	X	X		
AC																				
AC	JBO070327-01	"	8:30	G	SW	2/10	2	1		1		X			X	X				
AC																				
AC																				

Save Samples for SPLP and Waste Characterization

** Include - pH
- reactivity
- corrosivity
- Ignitability

Additional Analysis

Relinquished by:	Received by:	Date:	Time:
[illegible]	[illegible]	[illegible]	[illegible]

☐ Fax results when available to (____) _____
☐ E-mail results when available to _____
Condition upon Receipt: ☐ Iced ☐ Ambient ☐ ___ °C

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Facsimile Transmittal

CEE CONSULTING ENVIRONMENTAL ENGINEERS, INC.

100 SHIELD STREET
WEST HARTFORD, CT 06110
TEL: (860) 953-0023
FAX: (860) 953-7407
HTTP://www.cee.net
EMAIL: @CEE.NET

Date: 4/11/02 CEE Job NO. A210-007-1101
To: SPECTRUM ANALYTICAL
Company Name: Consulting Environmental Engineers, Inc
Fax Number: 413-789-4076
Phone Number: 413-789-9018
From: Jonathan Drosdis
Re: Additional parameters to "RUN" for West River Bridge
Number of Page(s): 3

- [ ] For your information
- [ ] Please sign and return to this office
- [ ] For your review and comments
- [ ] Pursuant to our discussion
- [ ] Please call this office
- [ ] Original to follow via mail

Hi —

I'd like to have additional parameters run for several of our samples from that attached chains for West River Bridge, New Haven, CT

The Spectrum Lab Number is: AD06289

Run SPLP (See chain)
TCLP
Waste Characterization for Samples 2, 3, 14, 15, 18

Copies:

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Facsimile Transmittal

CEE CONSULTING ENVIRONMENTAL ENGINEERS, INC.

100 SHIELD STREET
WEST HARTFORD, CT 06110
TEL: (860) 953-0023
FAX: (860) 953-7407
HTTP://www.cee.net
EMAIL: @CEE.NET

Date: 4/12/02 CEE Job NO. 210 007 1101
To:
Company Name: Spectrum Analytical, Inc.
Fax Number: 413-789-4076
Phone Number: 413-789-9018
From: Jon Drasdis
Re: Run additional Parameters
Number of Page(s): 3

- [ ] For your information
- [ ] Please sign and return to this office
- [ ] For your review and comments
- [ ] Pursuant to our discussion
- [ ] Please call this office
- [ ] Original to follow via mail

In addition to previous requests (this morning), I am also interested in having CEE Sample ID JBD020329-02
LAB ID AD06292 Analyzed for: SPLP PCBs

Please give me a call if you have any Questions

Thank You
Jonathan Drasdis

Copies:

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