TASK 210:
SUBSURFACE SITE INVESTIGATION

Rehabilitation of Railroad Bridge 710R Over Route 15
New Canaan, Connecticut

ConnDOT Assignment No. 201-2497
ConnDOT Project No. 303-005

Prepared for:

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1.0 INTRODUCTION

On behalf of the Connecticut Department of Transportation (ConnDOT), Maguire Group Inc. has conducted a Task 210 - Subsurface Site Investigation in association with the Rehabilitation of Railroad Bridge No. 710R Over Route 15 in New Canaan, Connecticut. Bridge No. 710R carries one Metro North Railroad track over Route 15 (Merritt Parkway). The bridge was constructed in 1937 and consists of an approximate 252.6 meter (77 foot) long continuous concrete rigid frame ballast structure, with two 105 meter (32 foot) long spans. Specific proposed bridge rehabilitation activities will include the complete replacement of the parapets by using pre-cast concrete units or cast in-place concrete, the removal and replacement of the existing ballast and membrane at the bridge deck with a new waterproofing system, the removal of all unsound concrete curb walls, pylons, wingwalls, and fascias, and repair all areas as required.

This Task 210 - Subsurface Site Investigation was conducted in areas of anticipated construction activities for the Bridge 710R rehabilitation project. Figure 1 depicts the project area.

The purpose of the Task 210 - Subsurface Site Investigation was to verify the absence or presence and location of subsurface contamination, and to assess the potential pollutant impacts to be encountered during construction. It is anticipated that Task 310 Plans and Specifications will subsequently be prepared to assess construction related activities (i.e. proper storage, classification, transport and disposal of contaminated materials), in relationship to the environmental conditions prevalent within the project limits, as well as to specify remedial work to be included in the Contract Bid Documents.

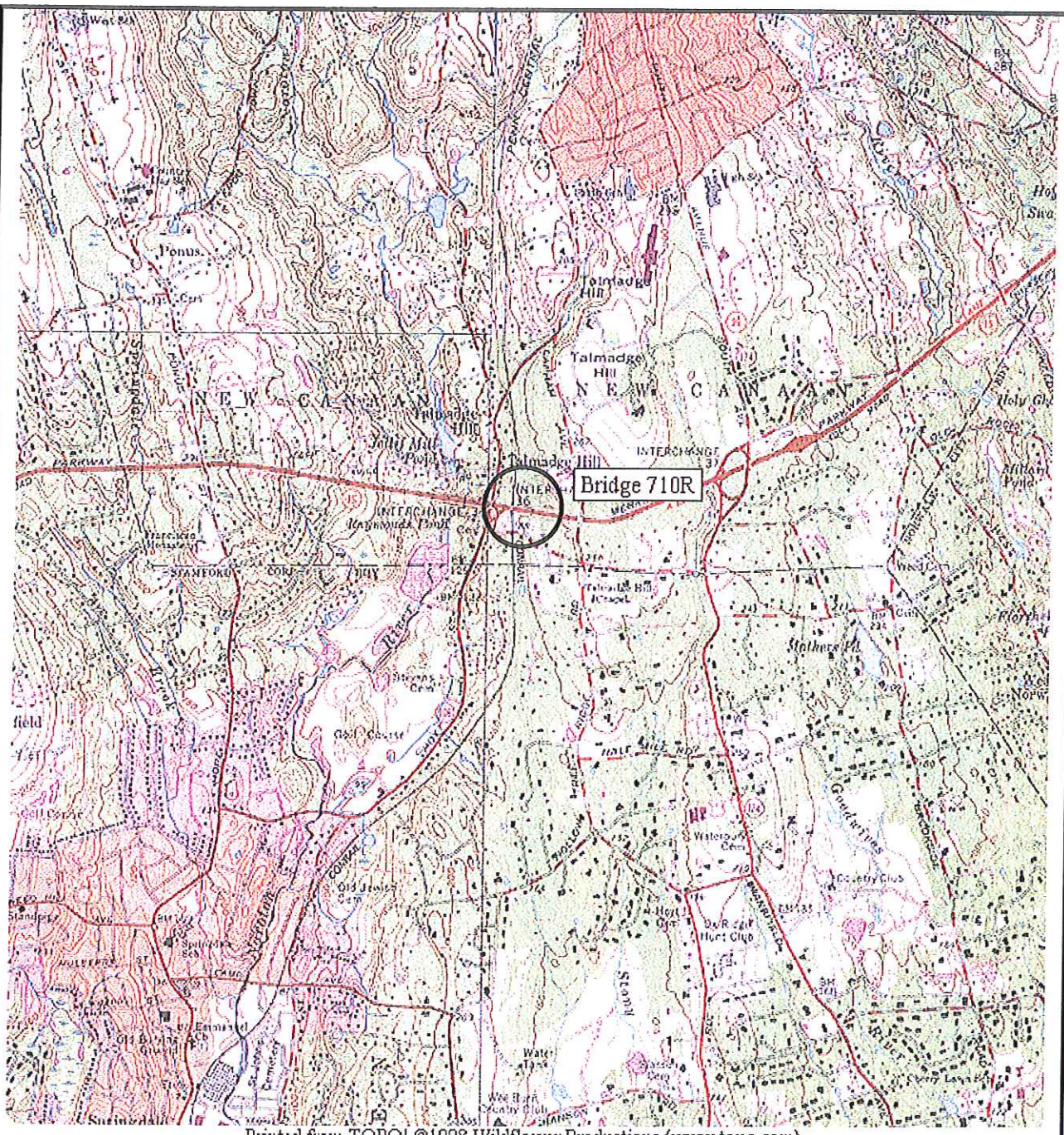

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FIGURE 1 – SITE LOCATION PLAN

Rehabilitation of Railroad Bridge 710R Over Route 15

New Canaan, Connecticut

2.0 SITE DESCRIPTION

The Task 210 - Subsurface Site Investigation was conducted adjacent to Bridge 710R on land owned by the State of Connecticut and the Metro North Railroad, in areas of anticipated construction activities. All work was performed under the supervision of a Metro North Railroad flagman. The site area is depicted in Figure 2 - Task 210 Project Area & Sampling Locations.

3.0 LOCAL ENVIRONMENT & RECEPTORS

3.1 Groundwater & Topography

According to the Connecticut Department of Environmental Protection (CTDEP) 1985 Adopted Water Quality Classifications for the Southwest Coast River Basin, the groundwater classification for the project area is GA. A GA groundwater classification indicates that the groundwater is within the influence of private and public water supply wells. Groundwater in the area is suitable for direct human consumption without the need for treatment.

The project area is located within the Southwest Western Regional Complex Basin, within the Southwest Coast Major Drainage Basin. There are no surface water bodies situated within the project area.

3.2 Geology

The United States Department of Agriculture Soil Conservation Service's *1980 Soils of Connecticut (Bulletin 787)* indicate that the soils in the project area are classified as the Paxton-Woodbridge Formation. The Paxton-Woodbridge Formation is described as a well-drained loamy soil with a firm substratum. The Bedrock Geological Map of Connecticut, compiled by John Rodgers in 1985, indicates that the bedrock unit underlying the project area is the Ordovician Granitic Gneiss, which is a light-colored, foliated granitic gneiss.

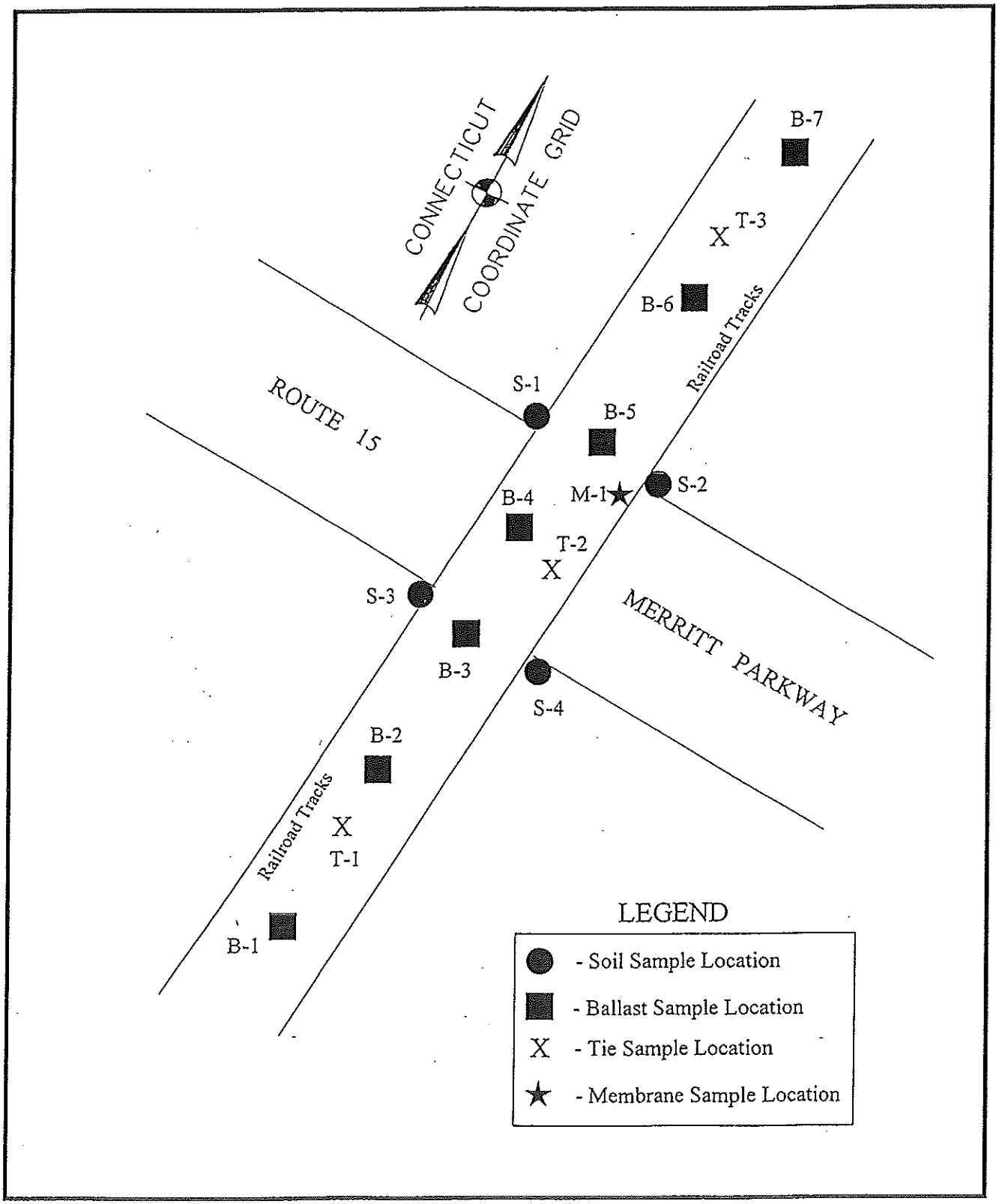

FIGURE 2 - Task 210 Project Area & Sampling Locations
Rehabilitation of Railroad Bridge 710R Over Route 15
New Canaan, Connecticut

4.0 SUBSURFACE INVESTIGATION

A comprehensive sampling program was conducted within the proposed construction and/or right-of-way areas. The sampling was conducted by Logical Environmental Solutions, under the direction of MGI. The samples collected as part of this investigation were placed in glassware supplied by Spectrum Analytical Laboratory, and stored in an ice-filled cooler until subsequent analyses. The following subsections detail the investigation performed on April 23, 2002.

4.1 Hand Auger Soil Borings & Soil Sample Analyses

Four hand auger soil borings (S-1 to S-4) were advanced to a depth of 0.6 meters (2 feet) adjacent to each of the bridge wingwalls. The locations of the hand auger soil borings are depicted on Figure 2 - Task 210 Project Area & Sampling Locations.

One soil sample from each hand auger boring was analyzed for volatile organic compounds (VOCs) utilizing EPA Method 8260, polycyclic aromatic hydrocarbons (PAHs) utilizing EPA Method 8270, pesticides utilizing EPA Method 8081, polychlorinated biphenyls (PCBs) utilizing EPA Method 8082, herbicides utilizing EPA Method 8151, total petroleum hydrocarbons (TPH) utilizing Connecticut ETPH, and total and SPLP RCRA 8 metals.

4.2 Ballast Grab Sample Collection & Analyses

Seven (7) ballast grab samples were collected from areas within 91 meters (300 feet) of the bridge structure. The ballast grab sample locations (B-1 to B-7) are depicted on Figure 2 – Task 210 Project Area & Sampling Locations. The ballast samples were analyzed for VOCs (EPA Method 8260), PAHs (EPA Method 8270), petroleum hydrocarbons (Connecticut ETPH), pesticides (EPA Method 8081), PCBs (EPA Method 8082), herbicides (EPA Method 8151), and total and SPLP RCRA 8 metals.

4.3 Railroad Tie Grab Sample Collection & Analyses

The wooden railroad ties adjacent to the railroad tracks were also sampled during this investigation. Three (3) railroad tie grab samples were collected from areas within 61 meters (200 feet) of the bridge structure. The railroad tie sample locations (T-1 to T-3) are depicted on Figure 2 - Task 210 Project Area & Sampling Locations. The railroad tie samples were analyzed for petroleum hydrocarbons (Connecticut ETPH), TCLP RCRA 8 metals, and the Hazardous Substance List compounds (VOCs via Method 8260, Semi-Volatile Compounds via EPA Method 8270, Pesticides via Method 8081, PCBs via Method 8082, and Total Cyanide).

4.4 Membrane Grab Sample Collection & Analyses

The fabric membrane beneath the gravel ballast adjacent to the railroad tracks was also sampled during this investigation. One (1) membrane grab sample was collected from the bridge structure. The membrane sample location (M-1) is depicted on Figure 2 - Task 210 Project Area & Sampling Locations. The membrane sample was analyzed for VOCs (Method 8260), PAHs (Method 8270), petroleum hydrocarbons (Connecticut ETPH), pesticides (Method 8081), PCBs (Method 8082), herbicides (Method 8151), asbestos, and total and SPLP RCRA 8 metals.

5.0 DISCUSSION OF SAMPLE RESULTS

5.1 Regulatory Criteria

The CTDEP adopted Remediation Standard Regulations (Regulations of Connecticut State Agencies, Section 22a-133k-1 to 3 and 22a-133q-1) as of January 31, 1996. The Remediation Standard Regulations (RSRs) apply to any site undergoing voluntary remediation under Public Acts 95-183 or 95-190, a transfer of an "establishment" under Public Act 95-183, or any site as ordered by the CTDEP Commissioner. The Regulations also outline the processes for establishing alternative site-specific numerical standards for certain sites, upon approval by the CTDEP.

The RSRs criteria applicable to the media sampled during this investigation are summarized below. The application of these RSRs to the results of the laboratory analyses from this investigation is discussed in subsection 5.2, 5.3, 5.4, and 5.5 of this section.

Soils Criteria: The RSRs are organized into two sets of criteria: the Direct Exposure Criteria (DEC) and the Pollutant Mobility Criteria (PMC). The DEC and PMC are briefly explained in the following sub-sections, in relation to how they would be applicable to the types of analyses conducted on the soil samples collected for this investigation. Please refer to the RSRs for a complete explanation of the Regulations.

Direct Exposure Criteria

The purpose of the Direct Exposure Criteria (DEC) is to protect human health from risks associated with the direct contact with or ingestion of various common soil contaminants. The DEC are applicable to soil within approximately 4.6 meters (15 feet) of the ground surface. Concentrations of contaminants are evaluated based upon mass-based analyses and different criteria are established for residential and commercial/industrial properties. The use of the less stringent commercial/industrial standards requires the placement of a land use restriction on the property. The DEC is not applicable to inaccessible soils, including soil more than 1.2 meters (4 feet) below the ground surface, 0.6 meters (2 feet) below pavement greater than 7.6 centimeters (3 inches) thick, or below an existing building, provided that an Environmental Land Use Restriction (ELUR) is placed in effect for the property.

Pollutant Mobility Criteria

The purpose of the Pollutant Mobility Criteria (PMC) is to evaluate the potential for contaminants to leach from the soil in concentrations that may degrade groundwater quality. Different numerical criteria are established for GA and GAA groundwater areas, versus GB groundwater areas. Since the project area is situated within a GA groundwater area, the most stringent criteria apply.

5.2 Results of Hand Auger Soil Sample Analyses

Soil samples collected during the advancement of the hand auger borings were sent to Spectrum Analytical Laboratory for laboratory analyses. A summary of the laboratory results from the soil samples is presented in Table 1, which is located at the end of this report, and copies of the soil sample analytical results are included in Appendix A. The following summarizes the results of the analyses conducted on the soil samples.

VOCs, herbicides, pesticides, and PCBs were not detected in any of the soil samples. Concentrations of petroleum hydrocarbons (TPH) were detected in all of the samples from 140 parts per million (ppm) to 380 ppm. However, the concentrations detected do not exceed any applicable CTDEP RSR criteria.

Various concentrations of PAHs were detected in the soil samples, and total PAH concentrations ranged from 6.02 to 38.34 ppm. The S-1, S-2, and S-4 soil samples contained PAH compounds at concentrations that exceed the CTDEP RSR criteria. The S-1 soil sample contained the compounds benzo(a)anthracene (3.6 ppm), benzo(a)pyrene (2.8 ppm), benzo(b)fluoranthene (4.5 ppm), benzo(k)fluoranthene (2.3 ppm), chrysene (3.9 ppm), fluoranthene (7.3 ppm), indeno(1,2,3-cd)pyrene (1.9 ppm), and pyrene (5.7 ppm) at concentrations that exceed their respective GA PMC. The compounds benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, and indeno(1,2,3-cd)pyrene were detected at concentrations that exceed their respective Residential DEC. The compound benzo(a)pyrene was also detected at a concentration that also exceeds its Commercial/Industrial DEC.

The S-2 soil sample contained the compounds benzo(a)anthracene (2.3 ppm), benzo(a)pyrene (1.9 ppm), benzo(b)fluoranthene (2.7 ppm), benzo(k)fluoranthene (1.5 ppm), chrysene (3.0 ppm), and pyrene (4.8 ppm) at concentrations that exceed their respective GA PMC. The compounds benzo(a)anthracene, benzo(a)pyrene, and benzo(b)fluoranthene were detected at concentrations that exceed their respective Residential DEC. The compound benzo(a)pyrene was also detected at a concentration that also exceeds its Commercial/Industrial DEC.

The S-4 soil sample contained the compounds benzo(a)anthracene (3.6 ppm), benzo(a)pyrene (3.2 ppm), benzo(b)fluoranthene (4.3 ppm), benzo(k)fluoranthene (2.6 ppm), chrysene (4.1 ppm), fluoranthene (8.2 ppm), indeno(1,2,3-cd)pyrene (1.9 ppm), and pyrene (6.1 ppm) at concentrations that exceed their respective GA PMC. In addition, the compounds benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, and indeno(1,2,3-cd)pyrene were detected at concentrations that exceed their respective Residential DEC. The compound benzo(a)pyrene was also detected at a concentration that also exceeds its Commercial/Industrial DEC.

Total and leachable concentrations of the metals arsenic, barium, cadmium, chromium, and lead were detected at varying concentrations in the soil samples. The S-3 soil sample contained total lead (583 ppm) at a concentration that exceeds its Residential DEC. In addition, the S-3 (0.0419 ppm) and S-4 (0.0265 ppm) soil samples contained leachable lead at concentrations that exceed its GA PMC. No other metal concentrations detected exceed any applicable CTDEP RSR criteria.

5.3 Results of Ballast Grab Sample Analyses

The seven ballast grab samples (B-1 to B-7) were sent to Spectrum Analytical for laboratory analyses. Summaries of the laboratory results from the ballast grab samples are presented in Tables 2a and 2b, which are located at the end of this report, and copies of the ballast sample analytical results are included in Appendix B. The following summarizes the results of the analyses conducted on the ballast grab samples. For the purpose of comparison, the results were compared to the CTDEP RSR soil criteria.

Herbicides and PCBs were not detected in any of the ballast samples. Low concentrations of the VOC naphthalene were detected in the B-2 (0.15 ppm), B-3 (0.87 ppm), B-4 (0.11 ppm), and B-6 (1.3 ppm) samples. However, the concentrations detected do not exceed any applicable CTDEP RSR criteria.

Various concentrations of PAHs were detected in the ballast samples, and total PAH concentrations ranged from Below Detectable Limits (BDL) to 30.13 ppm. The B-3, B-5, and B-6 ballast samples contained PAH compounds at concentrations that exceed the CTDEP RSR criteria. The B-3 sample contained the compounds benzo(a)anthracene (1.1 ppm), benzo(b)fluoranthene (1.4 ppm), chrysene (2.0 ppm), fluoranthene (8.3 ppm), phenanthrene (6.2 ppm), and pyrene (5.4 ppm) at concentrations that exceed their respective GA PMC. In addition, the compounds benzo(a)anthracene and benzo(b)fluoranthene were detected at concentrations that exceed their respective Residential DEC.

The B-5 sample contained the compounds benzo(a)anthracene (1.1 ppm), benzo(a)pyrene (1.3 ppm), benzo(b)fluoranthene (1.9 ppm), and chrysene (1.5 ppm) at concentrations that exceed their respective GA PMC. In addition, the compounds benzo(a)anthracene, benzo(a)pyrene, and benzo(b)fluoranthene were detected at concentrations that exceed their respective Residential DEC. The compound benzo(a)pyrene was also detected at a concentration that also exceeds its Commercial/Industrial DEC.

The B-6 sample contained the compounds benzo(a)anthracene (1.2 ppm), benzo(a)pyrene (1.3 ppm), benzo(b)fluoranthene (2.0 ppm), and chrysene (1.8 ppm) at concentrations that exceed their respective GA PMC. In addition, the compounds benzo(a)anthracene, benzo(a)pyrene, and benzo(b)fluoranthene were detected at concentrations that exceed their respective Residential DEC. The compound benzo(a)pyrene was also detected at a concentration that also exceeds its Commercial/Industrial DEC.

The pesticides aldrin and heptachlor epoxide were detected in the B-4, B-5, and B-6 ballast samples. The B-4 sample contained aldrin (0.094 ppm) and heptachlor epoxide (0.11 ppm) at concentrations that exceed their respective Residential DEC. The concentration of heptachlor epoxide also exceeds its GA PMC.

The B-5 (0.021 ppm) and B-6 (0.027 ppm) samples also contained heptachlor epoxide at concentrations that exceed its GA PMC. The concentrations of aldrin detected in each sample do not exceed any applicable CTDEP RSR criteria.

Total and leachable concentrations of the metals barium, cadmium, chromium, and lead were detected in the ballast samples. However, none of the metal concentrations detected exceed any applicable CTDEP RSR soil criteria.

5.4 Results of Railroad Tie Grab Sample Analyses

The three railroad tie grab samples (T-1 to T-3) were sent to Spectrum Analytical for laboratory analyses. A summary of the laboratory results from the railroad tie grab samples is presented in Table 3, which is located at the end of this report, and copies of the railroad tie sample analytical results are included in Appendix C. The following summarizes the results of the analyses conducted on the railroad tie grab samples. For the purpose of comparison, the results were compared to the CTDEP RSR soil criteria.

The railroad tie samples did not contain detectable concentrations of pesticides, PCBs, and total cyanide. Petroleum hydrocarbons were detected in the T-1 (17,000 ppm), T-2 (16,000 ppm), and T-3 (24,000 ppm) tie samples at concentrations that exceed the GA PMC, Residential DEC, and Commercial/Industrial DEC. In addition, the VOC naphthalene was detected at concentrations in the T-1 (1,654.1 ppm), T-2 (4,003.3 ppm), and T-3 (3,475.3 ppm) samples that exceed the GA PMC and Residential DEC. The concentrations of naphthalene detected in the T-2 and T-3 samples also exceed the Commercial/Industrial DEC.

Elevated concentrations of semi-volatile compounds (SVOCs) were detected in the railroad tie samples, and total SVOC concentrations ranged from 8,919.7 to 12,027.3 ppm. All three railroad tie samples contained SVOCs at concentrations that exceed the CTDEP RSR criteria. The T-1 railroad tie sample contained the compounds 4-methylphenol (2.1 ppm), dibenzofuran (360 ppm), acenaphthene (510 ppm), acenaphthylene (9.6 ppm), anthracene (550 ppm),

benzo(a)anthracene (320 ppm), benzo(a)pyrene (110 ppm), benzo(b)fluoranthene (210 ppm), benzo(g,h,i)perylene (39 ppm), benzo(k)fluoranthene (120 ppm), chrysene (370 ppm), dibenz(a,h)anthracene (12 ppm), fluoranthene (2,020 ppm), fluorene (520 ppm), indeno(1,2,3-cd)pyrene (47 ppm), 2-methylnaphthalene (210 ppm), naphthalene (260 ppm), phenanthrene (2,170 ppm), and pyrene (1,080 ppm) at concentrations that exceed their respective GA PMC. In addition, the compounds dibenzofuran, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenz(a,h)anthracene, fluoranthene, indeno(1,2,3-cd)pyrene, phenanthrene, and pyrene were detected at concentrations that exceed their respective Residential DEC. The compounds benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, dibenz(a,h)anthracene, and indeno(1,2,3-cd)pyrene were also detected at concentrations that exceed their respective Commercial/Industrial DEC.

The T-2 railroad tie sample contained the compounds 4-methylphenol (8.7 ppm), 2,4-dimethylphenol (4.1 ppm), dibenzofuran (500 ppm), acenaphthene (620 ppm), acenaphthylene (12 ppm), anthracene (770 ppm), benzo(a)anthracene (440 ppm), benzo(a)pyrene (160 ppm), benzo(b)fluoranthene (250 ppm), benzo(g,h,i)perylene (50 ppm), benzo(k)fluoranthene (180 ppm), chrysene (440 ppm), dibenz(a,h)anthracene (14 ppm), fluoranthene (2,710 ppm), fluorene (620 ppm), indeno(1,2,3-cd)pyrene (62 ppm), 2-methylnaphthalene (400 ppm), naphthalene (700 ppm), phenanthrene (2,670 ppm), and pyrene (1,410 ppm) at concentrations that exceed their respective GA PMC. In addition, the compounds dibenzofuran, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenz(a,h)anthracene, fluoranthene, indeno(1,2,3-cd)pyrene, phenanthrene, and pyrene were detected at concentrations that exceed their respective Residential DEC. The compounds benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, dibenz(a,h)anthracene, fluoranthene, indeno(1,2,3-cd)pyrene, and phenanthrene were also detected at concentrations that exceed their respective Commercial/Industrial DEC.

The T-3 railroad tie sample contained the compounds 4-methylphenol (16.0 ppm), 2,4-dimethylphenol (6.5 ppm), dibenzofuran (520 ppm), acenaphthene (640 ppm), acenaphthylene (12 ppm), anthracene (680 ppm), benzo(a)anthracene (350 ppm), benzo(a)pyrene (130 ppm), benzo(b)fluoranthene (170 ppm), benzo(g,h,i)perylene (37 ppm), benzo(k)fluoranthene (120 ppm), chrysene (310 ppm), dibenz(a,h)anthracene (10 ppm), fluoranthene (2,100 ppm), fluorene (660 ppm), indeno(1,2,3-cd)pyrene (44 ppm), 2-methylnaphthalene (360 ppm), naphthalene (520 ppm), phenanthrene (2,650 ppm), and pyrene (1,130 ppm) at concentrations that exceed their respective GA PMC. In addition, the compounds dibenzofuran, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenz(a,h)anthracene, fluoranthene, indeno(1,2,3-cd)pyrene, phenanthrene, and pyrene were detected at concentrations that exceed their respective Residential DEC. The compounds benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, dibenz(a,h)anthracene, indeno(1,2,3-cd)pyrene, and phenanthrene were also detected at concentrations that exceed their respective Commercial/Industrial DEC.

Total and leachable concentrations of the metals barium, cadmium, chromium, and lead were detected at varying concentrations in the railroad tie samples. The T-1 railroad tie sample contained leachable lead (0.161 ppm) at a concentration that exceeds its GA PMC. No other metal concentrations detected exceed any applicable CTDEP RSR criteria.

5.5 Results of Membrane Grab Sample Analyses

The membrane grab sample (M-1) was sent to Spectrum Analytical for laboratory analyses. A summary of the laboratory results from the membrane grab sample is presented in Table 4, which is located at the end of this report, and copies of the membrane sample analytical results are included in Appendix D. The following summarizes the results of the analyses conducted on the membrane grab sample. For the purpose of comparison, the results were compared to the CTDEP RSR soil criteria.

VOCs, herbicides, pesticides, PCBs, and asbestos were not detected in the membrane sample. The membrane sample contained TPH at a concentration of 44,000 ppm, which exceeds the GA PMC, Residential DEC, and Commercial/Industrial DEC. The membrane sample also contained the PAH compounds fluoranthene (8.1 ppm), phenanthrene (5.5 ppm), and pyrene (8.1 ppm) at concentrations that exceed their respective GA PMC.

Total and leachable concentrations of the metals arsenic, barium, cadmium, chromium, and lead were detected at varying concentrations in the membrane sample. The sample contained leachable lead (0.0204 ppm) at a concentration that exceeds its GA PMC. No other metal concentrations detected exceed any applicable CTDEP RSR criteria.

6.0 DISCUSSION OF AFFECTED RESOURCES

The following summarizes the results of the laboratory analyses performed on the soil, ballast, railroad tie, and membrane samples collected during the Task 210 Subsurface Site Investigation of Railroad Bridge 710R Over Route 15 in New Canaan, Connecticut.

Soil Samples Adjacent to Bridge Wingwalls: S-1, S-2, S-3 & S-4

The results of the four soil samples collected adjacent to each bridge wingwall indicate the presence of PAH, total lead, and leachable lead contamination.

Ballast Samples within 91 meters (300 feet) of the Bridge Structure: B-3, B-4, B-5 & B-6

The results of the ballast samples collected within 91 meters (300 feet) of the bridge indicate the presence of PAH and pesticide contamination in the B-3, B-4, B-5, and B-6 samples. The contamination was detected in the samples collected adjacent to the northern and southern sides of the bridge, on the bridge, and approximately 46 meters (150 feet) north of the bridge.

Railroad Tie Samples 61 meters (200 feet) of the Bridge Structure: T-1, T-2 & T-3

The results of the railroad tie samples collected within 61 meters (200 feet) of the bridge structure indicate the presence of TPH, SVOC, and leachable lead contamination in all three samples.

Membrane Sample: M-1

The results of the membrane sample collected from the bridge indicate the presence of TPH, PAH, and leachable lead contamination.

7.0 RECOMMENDATIONS

The results of the Task 210 – Subsurface Site Investigation for the Rehabilitation of Railroad Bridge 710R Over Route 15 project in New Canaan, Connecticut indicate the presence of semi-volatile (PAH), total lead, and leachable lead contamination in shallow soil samples collected from adjacent to the bridge wingwalls, at concentrations that exceed the applicable RSR criteria. The contamination was detected in soils ranging in depth from 0 to 0.6 meters (0 to 2 feet) below grade. In addition, the railroad ballast, railroad tie, and membrane samples collected from the bridge area are impacted with TPH, SVOCs, pesticides, and leachable lead. Special considerations for treatment/disposal, and worker health and safety must be given to these areas in order to ensure compliance with all local, State and Federal laws. Task 310 Plans and Specifications are therefore recommended for all areas of construction within project area.

8.0 LIMITATIONS

All work product and reports provided by Maguire Group Inc. (MGI) in connection with the performance of this Task 210 - Subsurface Site Investigation are subject to the following limitations:

1. The observations described in this report were made under the conditions stated therein. The conclusions presented in the report were based solely upon the services described therein, and not on scientific tasks or procedures beyond the scope of described services provided to ConnDOT.

2. In preparing this report, MGI has relied on certain information provided by State and local officials and information and representations made by other parties referenced therein, and on information contained in the files of State and/or local agencies made available to MGI at the time of this investigation. To the extent that such files are missing, incomplete or not provided to MGI, MGI is not responsible. Although there may have been some degree of overlap in the information provided by these various sources, MGI did not attempt to independently verify the accuracy or completeness of all information reviewed or received during the course of this investigation.

3. The conclusions and recommendations contained in this report are based in part upon the data from subsurface explorations. The nature and extent of variations between these explorations may not become evident until further explorations are completed. If variations or other latent conditions become evident, it will be necessary to re-evaluate the conclusions and recommendations of this report.

4. The water level readings made for this investigation were made at the times and conditions stated on the boring logs. However, it must be noted that fluctuations in the level of the groundwater may occur due to variations in rainfall, passage of time and other factors.

Should additional data become available in the future, these data should be reviewed by MGI, and the conclusions and recommendations presented herein modified accordingly.

5. Where quantitative laboratory analyses have been conducted by an outside certified laboratory, MGI has relied upon the data provided, and has not conducted an independent evaluation of the reliability of these tests.

6. If the conclusions and recommendations contained in this report are based, in part, upon various types of chemical data then the conclusions and recommendations are contingent upon the validity of such data. These data have been reviewed and interpretations made in the report. It should be noted that variations in the types and concentrations of contaminants and variations in their flow paths may occur due to seasonal water table fluctuations, past disposal practices, the passage of time, and other factors. Should additional chemical data become available in the future, these data should be reviewed by MGI and the conclusions and recommendations presented herein modified accordingly.

7. Chemical analyses were performed for specific parameters during the course of this investigation, as described in the text. However, it should be noted that testing for all known chemical constituents was not performed. The conclusions and recommendations contained in this report are based only upon the chemical constituents for which testing was accomplished.

The following qualifications apply to the undersigned's opinion:

The activities described and opinions included herein are based on information gathered during this exploratory site investigation, which was limited in scope in adherence to the terms of our agreement. The professional opinion provided herein is based on the information described in this report.

The information contained herein was prepared for the use of ConnDOT solely in conjunction with the task descriptions for this assignment. The conclusions and recommendations set forth in this report are based on site conditions at the time of the investigation. Future studies and findings could change the contents of this report. The professional opinions presented in this report have been developed by using that degree of care and skill ordinarily exercised, under similar circumstances, by reputable environmental engineering consultants practicing in this or similar localities. No other warranty, expressed or implied, is made as to the professional opinions included in this report.

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TABLES

TABLE 1 - Results of Soil Grab Sample Analyses
Rehabilitation of Railroad Bridge 710R Over Route 15
New Canaan, Connecticut

Sample I.D.:	S-1	S-2	S-3	S-4	CTDEP Pollutant Mobility Criteria GA Groundwater Area	CTDEP Direct Exposure Criteria Residential/Commercial & Industrial
CT ETPH - (ppm)	280	210	140	380	500 ppm	500/2,500 ppm
VOCs - Method 8260 (ppm)	BDL	BDL	BDL	BDL		
PAHs - Method 8270 (ppm)						
Acenaphthylene	0.54	0.28	BDL	0.48	8.4 ppm	1,000/2,500 ppm
Anthracene	0.42	0.28	BDL	0.47	40 ppm	1,000/2,500 ppm
Benzo(a)anthracene	*3.6*	*2.3*	0.62	*3.6*	**1 ppm**	1/7.8 ppm
Benzo(a)pyrene	*2.8*	*1.9*	0.47	*3.2*	**1 ppm**	1/1 ppm
Benzo(b)fluoranthene	*4.5*	*2.7*	0.8	*4.3*	**1 ppm**	1/7.8 ppm
Benzo(g,h,i)perylene	1.8	0.97	BDL	1.8	4.2 ppm	1,000/2,500 ppm
Benzo(k)fluoranthene	*2.3*	*1.5*	0.43	*2.6*	**1 ppm**	8.4/78 ppm
Chrysene	*3.9*	*3.0*	0.81	*4.1*	**1 ppm**	84/780 ppm
Dibenz(a,h)anthracene	BDL	BDL	BDL	0.39	1 ppm	1/1 ppm
Fluoranthene	*7.3*	5.4	1.4	*8.2*	**5.6 ppm**	1,000/2,500 ppm
Indeno(1,2,3-cd)pyrene	*1.9*	0.99	BDL	*1.9*	**1 ppm**	1/7.8 ppm
Phenanthrene	1.2	0.75	0.39	1.2	4 ppm	1,000/2,500 ppm
Pyrene	*5.7*	*4.8*	1.1	*6.1*	**4 ppm**	1,000/2,500 ppm
Total PAHs	35.96	24.87	6.02	38.34		
Herbicides - Method 8151 (ppm)	BDL	BDL	BDL	BDL		
Pesticides - Method 8081 (ppm)	BDL	BDL	BDL	BDL		
PCBs – Method 8082 (ppm)	BDL	BDL	BDL	BDL		
Total RCRA 8 Metals – ppm						
Arsenic	BDL	4.78	BDL	BDL		10/10 ppm
Barium	59.1	59.2	58.3	69.7		4,700/140,000 ppm
Cadmium	1.31	1.43	1.42	1.56		34/1,000 ppm
Chromium	23.4	23.2	24.1	27.5		100/100 ppm
Lead	295	424	*583*	409		500/1,000 ppm
SPLP RCRA 8 Metals - ppm						
Barium	0.0104	0.0061	0.0233	0.0139	1.0 ppm	
Lead	0.0115	0.0085	*0.0419*	*0.0265*	**0.015 ppm**	

BDL – Below Detectable Limits (see laboratory reports for compound specific detection limits)

The compounds listed above are those that were detected - please see laboratory reports for full lists of compounds and their specific detection limits.

TABLE 2a - Results of Ballast Grab Sample Analyses
Rehabilitation of Railroad Bridge 710R Over Route 15
New Canaan, Connecticut

Sample I.D.:	B-1	B-2	B-3	B-4	CTDEP Pollutant Mobility Criteria GA Groundwater Area	CTDEP Direct Exposure Criteria Residential/Commercial & Industrial
CT ETPH - (ppm)	BDL	51	110	76	500 ppm	500/2,500 ppm
VOCs - Method 8260 (ppm)						
Naphthalene	BDL	0.15	0.87	0.11	5.6 ppm	1,000/2,500 ppm
PAHs - Method 8270 (ppm)						
Acenaphthene	BDL	0.38	0.96	BDL	8.4 ppm	1,000/2,500 ppm
Anthracene	BDL	0.64	0.88	BDL	40 ppm	1,000/2,500 ppm
Benzo(a)anthracene	BDL	0.24	*1.1*	0.36	**1 ppm**	1/7.8 ppm
Benzo(a)pyrene	BDL	0.1	0.71	0.35	1 ppm	1/1 ppm
Benzo(b)fluoranthene	BDL	0.21	*1.4*	0.62	**1 ppm**	1/7.8 ppm
Benzo(g,h,i)perylene	BDL	BDL	0.29	0.26	4.2 ppm	1,000/2,500 ppm
Benzo(k)fluoranthene	BDL	0.12	0.77	0.28	1 ppm	8.4/78 ppm
Chrysene	BDL	0.32	*2.0*	0.55	**1 ppm**	84/780 ppm
Fluoranthene	BDL	1.2	*8.3*	1.4	**5.6 ppm**	1,000/2,500 ppm
Fluorene	BDL	0.38	0.8	BDL	5.6 ppm	1,000/2,500 ppm
Indeno(1,2,3-cd)pyrene	BDL	BDL	0.28	0.23	1 ppm	1/7.8 ppm
1-Methylnaphthalene	BDL	BDL	0.22	BDL	No Standard	No Standard
2-Methylnaphthalene	BDL	BDL	0.38	BDL	0.98	474/2,500 ppm
Naphthalene	BDL	BDL	0.44	BDL	5.6 ppm	1,000/2,500 ppm
Phenanthrene	BDL	1.9	*6.2*	0.69	**4 ppm**	1,000/2,500 ppm
Pyrene	BDL	0.85	*5.4*	1.1	**4 ppm**	1,000/2,500 ppm
Total PAHs	BDL	6.34	30.13	5.84		
Herbicides - Method 8151 (ppm)	BDL	BDL	BDL	BDL		
Pesticides - Method 8081 (ppm)						
Aldrin	BDL	BDL	BDL	*0.094*	No Standard	**0.036**/0.34 ppm
Heptachlor Epoxide	BDL	BDL	BDL	*0.11*	**0.02 ppm**	**0.067**/0.63 ppm
PCBs – Method 8082 (ppm)	BDL	BDL	BDL	BDL		
Total RCRA 8 Metals – ppm						
Barium	31.7	20.6	28.1	42.1		4,700/140,000 ppm
Cadmium	1.15	0.481	0.702	1.06		34/1,000 ppm
Chromium	6.83	5.51	7.19	12.7		100/100 ppm
Lead	11.9	17.6	26.7	55.7		500/1,000 ppm
SPLP RCRA 8 Metals - ppm						
Barium	0.0232	0.0226	0.0282	0.0304	1.0 ppm	

BDL – Below Detectable Limits (see laboratory reports for compound specific detection limits)

The compounds listed above are those that were detected - please see laboratory reports for full lists of compounds and their specific detection limits.

TABLE 2b - Results of Ballast Grab Sample Analyses
Rehabilitation of Railroad Bridge 710R Over Route 15
New Canaan, Connecticut

Sample I.D.:	B-5	B-6	B-7	CTDEP Pollutant Mobility Criteria GA Groundwater Area	CTDEP Direct Exposure Criteria Residential/Commercial & Industrial
CT ETPH - (ppm)	95	110	69	500 ppm	500/2,500 ppm
VOCs - Method 8260 (ppm)					
Naphthalene	BDL	1.3	BDL	5.6 ppm	1,000/2,500 ppm
PAHs - Method 8270 (ppm)					
Acenaphthene	BDL	0.68	BDL	8.4 ppm	1,000/2,500 ppm
Acenaphthylene	0.15	0.16	BDL	8.4 ppm	1,000/2,500 ppm
Anthracene	0.17	0.54	0.15	40 ppm	1,000/2,500 ppm
Benzo(a)anthracene	*1.1*	*1.2*	0.54	**1 ppm**	1/7.8 ppm
Benzo(a)pyrene	*1.3*	*1.3*	0.52	**1 ppm**	**1/1 ppm**
Benzo(b)fluoranthene	*1.9*	*2.0*	0.87	**1 ppm**	1/7.8 ppm
Benzo(g,h,i)perylene	1.0	1.0	0.41	4.2 ppm	1,000/2,500 ppm
Benzo(k)fluoranthene	0.86	0.96	0.47	1 ppm	8.4/78 ppm
Chrysene	*1.5*	*1.8*	0.68	**1 ppm**	84/780 ppm
Fluoranthene	2.9	5.6	1.6	5.6 ppm	1,000/2,500 ppm
Fluorene	BDL	0.42	BDL	5.6 ppm	1,000/2,500 ppm
Indeno(1,2,3-cd)pyrene	0.88	0.91	0.38	1 ppm	1/7.8 ppm
1-Methylnaphthalene	BDL	0.21	BDL	No Standard	No Standard
2-Methylnaphthalene	BDL	0.27	BDL	0.98	474/2,500 ppm
Naphthalene	BDL	0.31	BDL	5.6 ppm	1,000/2,500 ppm
Phenanthrene	0.8	3.3	0.71	4 ppm	1,000/2,500 ppm
Pyrene	2.4	3.8	1.3	4 ppm	1,000/2,500 ppm
Total PAHs	14.96	24.46	7.63		
Herbicides - Method 8151 (ppm)	BDL	BDL	BDL		
Pesticides - Method 8081 (ppm)					
Aldrin	0.0088	0.027	BDL	No Standard	0.036/0.34 ppm
Heptachlor Epoxide	*0.021*	*0.027*	BDL	**0.02 ppm**	0.067/0.63 ppm
PCBs – Method 8082 (ppm)	BDL	BDL	BDL		
Total RCRA 8 Metals – ppm					
Barium	95.7	69.9	52.3		4,700/140,000 ppm
Cadmium	1.32	1.22	1.04		34/1,000 ppm
Chromium	13.4	15.7	12.2		100/100 ppm
Lead	14.0	41.5	37.8		500/1,000 ppm
SPLP RCRA 8 Metals - ppm					
Barium	0.0308	0.0339	0.0383	1.0 ppm	
Lead	BDL	BDL	0.0082	0.015 ppm	

BDL – Below Detectable Limits (see laboratory reports for compound specific detection limits)

The compounds listed above are those that were detected - please see laboratory reports for full lists of compounds and their specific detection limits.

TABLE 3 - Results of Railroad Tie Grab Sample Analyses
Rehabilitation of Railroad Bridge 710R Over Route 15
New Canaan, Connecticut

Sample I.D.:	T-1	T-2	T-3	CTDEP Pollutant Mobility Criteria GA Groundwater Area	CTDEP Direct Exposure Criteria Residential/Commercial & Industrial
CT ETPH - (ppm)	*17,000*	*16,000*	*24,000*	**500 ppm**	**500/2,500 ppm**
VOCs - Method 8260 (ppm)					
Naphthalene	*1,654.1*	*4,003.3*	*3,475.3*	**5.6 ppm**	**1,000/2,500 ppm**
SVOCs - Method 8270 (ppm)					
Phenol	BDL	2.7	5.3	80 ppm	1,000/2,500 ppm
2-Methylphenol	BDL	3.8	5.4	7 ppm	1,000/2,500 ppm
4-Methylphenol	*2.1*	*8.7*	*16.0*	1 ppm	340/2,500 ppm
2,4-Dimethylphenol	BDL	*4.1*	*6.5*	**2.8 ppm**	1,000/2,500 ppm
Dibenzofuran	*360*	*500*	*520*	1 ppm	270/2,500 ppm
Acenaphthene	*510*	*620*	*640*	8.4 ppm	1,000/2,500 ppm
Acenaphthylene	*9.6*	*12*	*12*	8.4 ppm	1,000/2,500 ppm
Anthracene	*550*	*770*	*680*	40 ppm	1,000/2,500 ppm
Benzo(a)anthracene	*320*	*440*	*350*	1 ppm	**1/7.8 ppm**
Benzo(a)pyrene	*110*	*160*	*130*	1 ppm	**1/1 ppm**
Benzo(b)fluoranthene	*210*	*250*	*170*	1 ppm	**1/7.8 ppm**
Benzo(g,h,i)perylene	*39*	*50*	*37*	4.2 ppm	1,000/2,500 ppm
Benzo(k)fluoranthene	*120*	*180*	*120*	1 ppm	**8.4/78 ppm**
Chrysene	*370*	*440*	*310*	1 ppm	84/780 ppm
Dibenz(a,h)anthracene	*12*	*14*	*10*	1 ppm	**1/1 ppm**
Fluoranthene	*2,020*	*2,710*	*2,100*	5.6 ppm	**1,000/2,500 ppm**
Fluorene	*520*	*620*	*660*	5.6 ppm	1,000/2,500 ppm
Indeno(1,2,3-cd)pyrene	*47*	*62*	*44*	1 ppm	**1/7.8 ppm**
2-Methylnaphthalene	*210*	*400*	*360*	0.98	474/2,500 ppm
Naphthalene	*260*	*700*	*520*	5.6 ppm	1,000/2,500 ppm
Phenanthrene	*2,170*	*2,670*	*2,650*	4 ppm	**1,000/2,500 ppm**
Pyrene	*1,080*	*1,410*	*1,130*	4 ppm	1,000/2,500 ppm
Total SVOCs	8,919.7	12,027.3	10,476.2		
Pesticides - Method 8081 (ppm)	BDL	BDL	BDL		
PCBs – Method 8082 (ppm)	BDL	BDL	BDL		
Total Metals – ppm					
Barium	23.5	28.8	28.1		4,700/140,000 ppm
Cadmium	BDL	1.07	0.505		34/1,000 ppm
Chromium	2.84	2.21	1.35		100/100 ppm
Cyanide	BDL	BDL	BDL		1,400/41,000 ppm
Lead	5.08	6.17	2.67		500/1,000 ppm
TCLP RCRA 8 Metals - ppm					
Barium	0.263	0.308	0.274	1.0 ppm	
Cadmium	0.0028	0.0029	0.0027	0.005 ppm	
Lead	*0.161*	0.0111	0.0096	**0.015 ppm**	

BDL – Below Detectable Limits (see laboratory reports for compound specific detection limits)

The compounds listed above are those that were detected - please see laboratory reports for full lists of compounds and their specific detection limits.

TABLE 4 - Results of Membrane Sample Analyses
Rehabilitation of Railroad Bridge 710R Over Route 15
New Canaan, Connecticut

Sample ID:	M-1	CTDEP Pollutant Mobility Criteria GA Groundwater Area	CTDEP Direct Exposure Criteria Residential/Commercial & Industrial
CT ETPH - (ppm)	***44,000***	**500 ppm**	**500/2,500 ppm**
VOCs - Method 8260 (ppm)	BDL		
PAHs - Method 8270 (ppm)			
Fluoranthene	***8.1***	**5.6 ppm**	1,000/2,500 ppm
Phenanthrene	***5.5***	**4 ppm**	1,000/2,500 ppm
Pyrene	***8.1***	**4 ppm**	1,000/2,500 ppm
Total PAHs	21.7		
Herbicides - Method 8151 (ppm)	BDL		
Pesticides - Method 8081 (ppm)	BDL		
PCBs – Method 8082 (ppm)	BDL		
Total RCRA 8 Metals - ppm			
Arsenic	4.29		10/10 ppm
Barium	94.7		4,700/140,000 ppm
Cadmium	0.942		34/1,000 ppm
Chromium	9.73		100/100 ppm
Lead	194		500/1,000 ppm
SPLP RCRA 8 Metals - ppm			
Barium	0.0193	1.0 ppm	
Lead	***0.0204***	**0.015 ppm**	
Asbestos – Method 600R (ppm)	BDL		

BDL – Below Detectable Limits (see laboratory reports for compound specific detection limits)

The compounds listed above are those that were detected - please see laboratory reports for full lists of compounds and their specific detection limits.

APPENDIX A
Soil Sample Laboratory Reports

SPECTRUM ANALYTICAL, INC.

Laboratory Report

Location: Bridge 710R - New Canaan, CT
Client: LES
Lab ID No: AD11628
Client Id: S-1

Client Project No: 303-005
Submittal Date: 4/24/2002
Collection Date: 4/23/2002
Matrix Soil

Parameter	Results	Units	PQL	Start Date	Analyst	Method
VOC Preparation						
VOC Extraction (solid)	Lab ext			4/29/2002	AS	SW846 5035
Volatile Organic Compounds						
VOCs by GC/MS						
Acetone	Below det lim	ug/Kg	320	4/30/2002	RLJ	SW846 8260B
Acrylonitrile	Below det lim	ug/Kg	16.0	4/30/2002	RLJ	SW846 8260B
Benzene	Below det lim	ug/Kg	16.0	4/30/2002	RLJ	SW846 8260B
Bromobenzene	Below det lim	ug/Kg	16.0	4/30/2002	RLJ	SW846 8260B
Bromochloromethane	Below det lim	ug/Kg	16.0	4/30/2002	RLJ	SW846 8260B
Bromodichloromethane	Below det lim	ug/Kg	16.0	4/30/2002	RLJ	SW846 8260B
Bromoform	Below det lim	ug/Kg	16.0	4/30/2002	RLJ	SW846 8260B
Bromomethane	Below det lim	ug/Kg	32.0	4/30/2002	RLJ	SW846 8260B
2-Butanone (MEK)	Below det lim	ug/Kg	160	4/30/2002	RLJ	SW846 8260B
n-Butylbenzene	Below det lim	ug/Kg	16.0	4/30/2002	RLJ	SW846 8260B
sec-Butylbenzene	Below det lim	ug/Kg	16.0	4/30/2002	RLJ	SW846 8260B
tert-Butylbenzene	Below det lim	ug/Kg	16.0	4/30/2002	RLJ	SW846 8260B
Carbon disulfide	Below det lim	ug/Kg	80.0	4/30/2002	RLJ	SW846 8260B
Carbon tetrachloride	Below det lim	ug/Kg	16.0	4/30/2002	RLJ	SW846 8260B
Chlorobenzene	Below det lim	ug/Kg	16.0	4/30/2002	RLJ	SW846 8260B
Chloroethane	Below det lim	ug/Kg	32.0	4/30/2002	RLJ	SW846 8260B
Chloroform	Below det lim	ug/Kg	16.0	4/30/2002	RLJ	SW846 8260B
Chloromethane	Below det lim	ug/Kg	32.0	4/30/2002	RLJ	SW846 8260B
2-Chlorotoluene	Below det lim	ug/Kg	16.0	4/30/2002	RLJ	SW846 8260B
4-Chlorotoluene	Below det lim	ug/Kg	16.0	4/30/2002	RLJ	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	Below det lim	ug/Kg	32.0	4/30/2002	RLJ	SW846 8260B
Dibromochloromethane	Below det lim	ug/Kg	16.0	4/30/2002	RLJ	SW846 8260B
1,2-Dibromoethane (EDB)	Below det lim	ug/Kg	16.0	4/30/2002	RLJ	SW846 8260B
Dibromomethane	Below det lim	ug/Kg	16.0	4/30/2002	RLJ	SW846 8260B
1,2-Dichlorobenzene	Below det lim	ug/Kg	16.0	4/30/2002	RLJ	SW846 8260B
1,3-Dichlorobenzene	Below det lim	ug/Kg	16.0	4/30/2002	RLJ	SW846 8260B
1,4-Dichlorobenzene	Below det lim	ug/Kg	16.0	4/30/2002	RLJ	SW846 8260B
Dichlorodifluoromethane	Below det lim	ug/Kg	32.0	4/30/2002	RLJ	SW846 8260B
1,1-Dichloroethane	Below det lim	ug/Kg	16.0	4/30/2002	RLJ	SW846 8260B
1,2-Dichloroethane	Below det lim	ug/Kg	16.0	4/30/2002	RLJ	SW846 8260B
1,1-Dichloroethene	Below det lim	ug/Kg	16.0	4/30/2002	RLJ	SW846 8260B
cis-1,2-Dichloroethene	Below det lim	ug/Kg	16.0	4/30/2002	RLJ	SW846 8260B
trans-1,2-Dichloroethene	Below det lim	ug/Kg	16.0	4/30/2002	RLJ	SW846 8260B

Lab ID No: AD11628
Client Id: S-1

Collection Date: 4/23/2002
Matrix Soil

Parameter	Results	Units	PQL	Start Date	Analyst	Method
1,2-Dichloropropane	Below det lim	ug/Kg	16.0	4/30/2002	RLJ	SW846 8260B
1,3-Dichloropropane	Below det lim	ug/Kg	16.0	4/30/2002	RLJ	SW846 8260B
2,2-Dichloropropane	Below det lim	ug/Kg	16.0	4/30/2002	RLJ	SW846 8260B
1,1-Dichloropropene	Below det lim	ug/Kg	16.0	4/30/2002	RLJ	SW846 8260B
cis-1,3-Dichloropropene	Below det lim	ug/Kg	16.0	4/30/2002	RLJ	SW846 8260B
trans-1,3-Dichloropropene	Below det lim	ug/Kg	16.0	4/30/2002	RLJ	SW846 8260B
Ethylbenzene	Below det lim	ug/Kg	16.0	4/30/2002	RLJ	SW846 8260B
Hexachlorobutadiene	Below det lim	ug/Kg	16.0	4/30/2002	RLJ	SW846 8260B
2-Hexanone (MBK)	Below det lim	ug/Kg	160	4/30/2002	RLJ	SW846 8260B
Isopropylbenzene	Below det lim	ug/Kg	16.0	4/30/2002	RLJ	SW846 8260B
4-Isopropyltoluene	Below det lim	ug/Kg	16.0	4/30/2002	RLJ	SW846 8260B
Methyl-tert-butyl ether (MTBE)	Below det lim	ug/Kg	16.0	4/30/2002	RLJ	SW846 8260B
4-Methyl-2-pentanone (MIBK)	Below det lim	ug/Kg	160	4/30/2002	RLJ	SW846 8260B
Methylene chloride	Below det lim	ug/Kg	50.0	4/30/2002	RLJ	SW846 8260B
Naphthalene	Below det lim	ug/Kg	16.0	4/30/2002	RLJ	SW846 8260B
n-Propylbenzene	Below det lim	ug/Kg	16.0	4/30/2002	RLJ	SW846 8260B
Styrene	Below det lim	ug/Kg	16.0	4/30/2002	RLJ	SW846 8260B
1,1,1,2-Tetrachloroethane	Below det lim	ug/Kg	16.0	4/30/2002	RLJ	SW846 8260B
1,1,2,2-Tetrachloroethane	Below det lim	ug/Kg	16.0	4/30/2002	RLJ	SW846 8260B
Tetrachloroethene (PCE)	Below det lim	ug/Kg	16.0	4/30/2002	RLJ	SW846 8260B
Toluene	Below det lim	ug/Kg	16.0	4/30/2002	RLJ	SW846 8260B
1,2,3-Trichlorobenzene	Below det lim	ug/Kg	16.0	4/30/2002	RLJ	SW846 8260B
1,2,4-Trichlorobenzene	Below det lim	ug/Kg	16.0	4/30/2002	RLJ	SW846 8260B
1,1,1-Trichloroethane	Below det lim	ug/Kg	16.0	4/30/2002	RLJ	SW846 8260B
1,1,2-Trichloroethane	Below det lim	ug/Kg	16.0	4/30/2002	RLJ	SW846 8260B
Trichloroethene (TCE)	Below det lim	ug/Kg	16.0	4/30/2002	RLJ	SW846 8260B
Trichlorofluoromethane	Below det lim	ug/Kg	16.0	4/30/2002	RLJ	SW846 8260B
1,2,3-Trichloropropane	Below det lim	ug/Kg	16.0	4/30/2002	RLJ	SW846 8260B
1,2,4-Trimethylbenzene	Below det lim	ug/Kg	16.0	4/30/2002	RLJ	SW846 8260B
1,3,5-Trimethylbenzene	Below det lim	ug/Kg	16.0	4/30/2002	RLJ	SW846 8260B
Vinyl chloride	Below det lim	ug/Kg	16.0	4/30/2002	RLJ	SW846 8260B
m,p-Xylenes	Below det lim	ug/Kg	32.0	4/30/2002	RLJ	SW846 8260B
o-Xylene	Below det lim	ug/Kg	16.0	4/30/2002	RLJ	SW846 8260B
4-Bromofluorobenzene (%SR)	113	ug/Kg	0.000	4/30/2002	RLJ	SW846 8260B
1,4-Difluorobenzene (%SR)	110	ug/Kg	0.000	4/30/2002	RLJ	SW846 8260B
Chlorobenzene-d5 (%SR)	118	ug/Kg	0.000	4/30/2002	RLJ	SW846 8260B
TPH Preparation						
Ultrasonic Extraction	Completed			4/29/2002	RT	SW846 3550B
Petroleum Hydrocarbon Analysis						
Extractable TPH						
Total Petroleum Hydrocarbons (C9-C36)	280	mg/Kg	20	5/1/2002	JD	CT ETPH
Gasoline	Below det lim	mg/Kg	20	5/1/2002	JD	CT ETPH

Lab ID No: AD11628 **Collection Date:** 4/23/2002
Client Id: S-1 **Matrix** Soil

Parameter	Results	Units	PQL	Start Date	Analyst	Method
Fuel Oil #2	Below det lim	mg/Kg	20	5/1/2002	JD	CT ETPH
Fuel Oil #4	Below det lim	mg/Kg	20	5/1/2002	JD	CT ETPH
Fuel Oil #6	Below det lim	mg/Kg	20	5/1/2002	JD	CT ETPH
Motor Oil	Below det lim	mg/Kg	20	5/1/2002	JD	CT ETPH
Aviation Fuel	Below det lim	mg/Kg	20	5/1/2002	JD	CT ETPH
Unidentified	280	mg/Kg	20	5/1/2002	JD	CT ETPH
Other Oil	*	mg/Kg	20	5/1/2002	JD	CT ETPH
1-Chloro-octadecane (%SR)	73	mg/Kg	0.	5/1/2002	JD	CT ETPH
SVOC Preparation						
Ultrasonic Extraction	Completed			4/29/2002	RT	SW846 3550B
Semivolatile Organic Compounds						
PAHs by GC/MS						
Naphthalene	Below det lim	ug/Kg	227	4/30/2002	MSL	SW846 8270C
2-Methylnaphthalene	Below det lim	ug/Kg	227	4/30/2002	MSL	SW846 8270C
1-Methylnaphthalene	Below det lim	ug/Kg	227	4/30/2002	MSL	SW846 8270C
Acenaphthylene	540	ug/Kg	227	4/30/2002	MSL	SW846 8270C
Acenaphthene	Below det lim	ug/Kg	227	4/30/2002	MSL	SW846 8270C
Fluorene	Below det lim	ug/Kg	227	4/30/2002	MSL	SW846 8270C
Phenanthrene	1,200	ug/Kg	227	4/30/2002	MSL	SW846 8270C
Anthracene	420	ug/Kg	227	4/30/2002	MSL	SW846 8270C
Fluoranthene	7,300	ug/Kg	227	4/30/2002	MSL	SW846 8270C
Pyrene	5,700	ug/Kg	227	4/30/2002	MSL	SW846 8270C
Benzo (a) anthracene	3,600	ug/Kg	227	4/30/2002	MSL	SW846 8270C
Chrysene	3,900	ug/Kg	227	4/30/2002	MSL	SW846 8270C
Benzo (b) fluoranthene	4,500	ug/Kg	227	4/30/2002	MSL	SW846 8270C
Benzo (k) fluoranthene	2,300	ug/Kg	227	4/30/2002	MSL	SW846 8270C
Benzo (a) pyrene	2,800	ug/Kg	227	4/30/2002	MSL	SW846 8270C
Indeno (1,2,3-cd) pyrene	1,900	ug/Kg	227	4/30/2002	MSL	SW846 8270C
Dibenzo (a,h) anthracene	Below det lim	ug/Kg	227	4/30/2002	MSL	SW846 8270C
Benzo (g,h,i) perylene	1,800	ug/Kg	227	4/30/2002	MSL	SW846 8270C
2-Fluorobiphenyl (%SR)	45	ug/Kg	0.000	4/30/2002	MSL	SW846 8270C
Terphenyl-d14 (%SR)	42	ug/Kg	0.000	4/30/2002	MSL	SW846 8270C
Semivolatile Organic Compounds						
Organochlorine Pesticides by GC						
Aldrin	Below det lim	ug/Kg	9.1	5/2/2002	MB	SW846 8081A
alpha-BHC	Below det lim	ug/Kg	9.1	5/2/2002	MB	SW846 8081A
beta-BHC	Below det lim	ug/Kg	9.1	5/2/2002	MB	SW846 8081A
delta-BHC	Below det lim	ug/Kg	9.1	5/2/2002	MB	SW846 8081A
gamma-BHC (Lindane)	Below det lim	ug/Kg	9.1	5/2/2002	MB	SW846 8081A
Chlordane	Below det lim	ug/Kg	40	5/2/2002	MB	SW846 8081A
4,4'-DDD	Below det lim	ug/Kg	9.1	5/2/2002	MB	SW846 8081A
4,4'-DDE	Below det lim	ug/Kg	9.1	5/2/2002	MB	SW846 8081A

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Parameter	Results	Units	PQL	Start Date	Analyst	Method
4,4'-DDT	Below det lim	ug/Kg	9.1	5/2/2002	MB	SW846 8081A
Dieldrin	Below det lim	ug/Kg	9.1	5/2/2002	MB	SW846 8081A
Endosulfan I	Below det lim	ug/Kg	9.1	5/2/2002	MB	SW846 8081A
Endosulfan II	Below det lim	ug/Kg	9.1	5/2/2002	MB	SW846 8081A
Endosulfan sulfate	Below det lim	ug/Kg	9.1	5/2/2002	MB	SW846 8081A
Endrin	Below det lim	ug/Kg	9.1	5/2/2002	MB	SW846 8081A
Endrin aldehyde	Below det lim	ug/Kg	9.1	5/2/2002	MB	SW846 8081A
Heptachlor	Below det lim	ug/Kg	9.1	5/2/2002	MB	SW846 8081A
Methoxychlor	Below det lim	ug/Kg	20	5/2/2002	MB	SW846 8081A
Heptachlor epoxide	Below det lim	ug/Kg	9.1	5/2/2002	MB	SW846 8081A
Toxaphene	Below det lim	ug/Kg	90	5/2/2002	MB	SW846 8081A
Decachlorobiphenyl (%SR)	104	ug/Kg	0.	5/2/2002	MB	SW846 8081A
Polychlorinated Biphenyls by GC						
PCB-1016	Below det lim	ug/Kg	36	5/2/2002	MB	SW846 8082
PCB-1221	Below det lim	ug/Kg	36	5/2/2002	MB	SW846 8082
PCB-1232	Below det lim	ug/Kg	36	5/2/2002	MB	SW846 8082
PCB-1242	Below det lim	ug/Kg	36	5/2/2002	MB	SW846 8082
PCB-1248	Below det lim	ug/Kg	36	5/2/2002	MB	SW846 8082
PCB-1254	Below det lim	ug/Kg	36	5/2/2002	MB	SW846 8082
PCB-1260	Below det lim	ug/Kg	36	5/2/2002	MB	SW846 8082
Decachlorobiphenyl (%SR)	104	ug/Kg	0.00	5/2/2002	MB	SW846 8082
Herbicides						
Chlorinated Herbicides						
2,4-D	Below det lim	ug/Kg	100	5/1/2002	MP	SW846 8151A
2,4,5-T	Below det lim	ug/Kg	20	5/1/2002	MP	SW846 8151A
2,4,5-TP(Silvex)	Below det lim	ug/Kg	20	5/1/2002	MP	SW846 8151A
Dinoseb	Below det lim	ug/Kg	10	5/1/2002	MP	SW846 8151A
Dicamba	Below det lim	ug/Kg	30	5/1/2002	MP	SW846 8151A
Dalapon	Below det lim	ug/Kg	500	5/1/2002	MP	SW846 8151A
Dichlorprop	Below det lim	ug/Kg	100	5/1/2002	MP	SW846 8151A
2,4-DB	Below det lim	ug/Kg	100	5/1/2002	MP	SW846 8151A
4,4'-DB-Octafluorobiphenyl (SR)	75	ug/Kg		5/1/2002	MP	SW846 8151A
Metals Preparation						
Mercury Digestion	Completed			4/26/2002	LFR	EPA 245.1
Mercury Digestion on Leachate	Completed			5/1/2002	LK	EPA 245.1
Metals Digestion	Completed			4/26/2002	LFR	EPA 200.7
Metals Digestion on Leachate	Completed			5/1/2002	LK	EPA 200.7
Metals Analysis						
SPLP RCRA8 Metals						
SPLP Arsenic	Below det lim	mg/L	0.015	5/1/2002	KS	1312/200.7
SPLP Barium	0.0104	mg/L	0.005	5/1/2002	KS	1312/200.7
SPLP Cadmium	Below det lim	mg/L	0.0025	5/1/2002	KS	1312/200.7

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Parameter	Results	Units	PQL	Start Date	Analyst	Method
SPLP Chromium	Below det lim	mg/L	0.005	5/1/2002	KS	1312/200.7
SPLP Lead	0.0115	mg/L	0.0075	5/1/2002	KS	1312/200.7
SPLP Selenium	Below det lim	mg/L	0.015	5/1/2002	KS	1312/200.7
SPLP Silver	Below det lim	mg/L	0.010	5/1/2002	KS	1312/200.7
SPLP Mercury	Below det lim	mg/L	0.0004	5/1/2002	EPR	1312/245.1
Total RCRA8 Metals						
Total Arsenic	Below det lim	mg/Kg	3.35	4/30/2002	KSR	EPA 200.7
Total Barium	59.1	mg/Kg	1.12	4/30/2002	KSR	EPA 200.7
Total Cadmium	1.31	mg/Kg	0.558	4/30/2002	KSR	EPA 200.7
Total Chromium	23.4	mg/Kg	1.12	4/30/2002	KSR	EPA 200.7
Total Lead	295	mg/Kg	1.68	4/30/2002	KSR	EPA 200.7
Total Selenium	Below det lim	mg/Kg	7.20	4/30/2002	KSR	EPA 200.7
Total Silver	Below det lim	mg/Kg	2.23	4/30/2002	KSR	EPA 200.7
Total Mercury	Below det lim	mg/Kg	0.203	4/30/2002	EPR	EPA 245.1
TCLP/SPLP Preparation						
SPLP Extraction for Metals	Completed			4/29/2002	HB	SW846 1312
% Solids	76.8	%		4/30/2002	AAS	SM2540 B Mod

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Parameter	Results	Units	PQL	Start Date	Analyst	Method
VOC Preparation						
VOC Extraction (solid)	Lab ext			4/29/2002	AS	SW846 5035
Volatile Organic Compounds						
VOCs by GC/MS						
Acetone	Below det lim	ug/Kg	320	4/30/2002	RLJ	SW846 8260B
Acrylonitrile	Below det lim	ug/Kg	16.0	4/30/2002	RLJ	SW846 8260B
Benzene	Below det lim	ug/Kg	16.0	4/30/2002	RLJ	SW846 8260B
Bromobenzene	Below det lim	ug/Kg	16.0	4/30/2002	RLJ	SW846 8260B
Bromochloromethane	Below det lim	ug/Kg	16.0	4/30/2002	RLJ	SW846 8260B
Bromodichloromethane	Below det lim	ug/Kg	16.0	4/30/2002	RLJ	SW846 8260B
Bromoform	Below det lim	ug/Kg	16.0	4/30/2002	RLJ	SW846 8260B
Bromomethane	Below det lim	ug/Kg	32.0	4/30/2002	RLJ	SW846 8260B
2-Butanone (MEK)	Below det lim	ug/Kg	160	4/30/2002	RLJ	SW846 8260B
n-Butylbenzene	Below det lim	ug/Kg	16.0	4/30/2002	RLJ	SW846 8260B
sec-Butylbenzene	Below det lim	ug/Kg	16.0	4/30/2002	RLJ	SW846 8260B
tert-Butylbenzene	Below det lim	ug/Kg	16.0	4/30/2002	RLJ	SW846 8260B
Carbon disulfide	Below det lim	ug/Kg	80.0	4/30/2002	RLJ	SW846 8260B
Carbon tetrachloride	Below det lim	ug/Kg	16.0	4/30/2002	RLJ	SW846 8260B
Chlorobenzene	Below det lim	ug/Kg	16.0	4/30/2002	RLJ	SW846 8260B
Chloroethane	Below det lim	ug/Kg	32.0	4/30/2002	RLJ	SW846 8260B
Chloroform	Below det lim	ug/Kg	16.0	4/30/2002	RLJ	SW846 8260B
Chloromethane	Below det lim	ug/Kg	32.0	4/30/2002	RLJ	SW846 8260B
2-Chlorotoluene	Below det lim	ug/Kg	16.0	4/30/2002	RLJ	SW846 8260B
4-Chlorotoluene	Below det lim	ug/Kg	16.0	4/30/2002	RLJ	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	Below det lim	ug/Kg	32.0	4/30/2002	RLJ	SW846 8260B
Dibromochloromethane	Below det lim	ug/Kg	16.0	4/30/2002	RLJ	SW846 8260B
1,2-Dibromoethane (EDB)	Below det lim	ug/Kg	16.0	4/30/2002	RLJ	SW846 8260B
Dibromomethane	Below det lim	ug/Kg	16.0	4/30/2002	RLJ	SW846 8260B
1,2-Dichlorobenzene	Below det lim	ug/Kg	16.0	4/30/2002	RLJ	SW846 8260B
1,3-Dichlorobenzene	Below det lim	ug/Kg	16.0	4/30/2002	RLJ	SW846 8260B
1,4-Dichlorobenzene	Below det lim	ug/Kg	16.0	4/30/2002	RLJ	SW846 8260B
Dichlorodifluoromethane	Below det lim	ug/Kg	32.0	4/30/2002	RLJ	SW846 8260B
1,1-Dichloroethane	Below det lim	ug/Kg	16.0	4/30/2002	RLJ	SW846 8260B
1,2-Dichloroethane	Below det lim	ug/Kg	16.0	4/30/2002	RLJ	SW846 8260B
1,1-Dichloroethene	Below det lim	ug/Kg	16.0	4/30/2002	RLJ	SW846 8260B
cis-1,2-Dichloroethene	Below det lim	ug/Kg	16.0	4/30/2002	RLJ	SW846 8260B
trans-1,2-Dichloroethene	Below det lim	ug/Kg	16.0	4/30/2002	RLJ	SW846 8260B
1,2-Dichloropropane	Below det lim	ug/Kg	16.0	4/30/2002	RLJ	SW846 8260B
1,3-Dichloropropane	Below det lim	ug/Kg	16.0	4/30/2002	RLJ	SW846 8260B
2,2-Dichloropropane	Below det lim	ug/Kg	16.0	4/30/2002	RLJ	SW846 8260B
1,1-Dichloropropene	Below det lim	ug/Kg	16.0	4/30/2002	RLJ	SW846 8260B
cis-1,3-Dichloropropene	Below det lim	ug/Kg	16.0	4/30/2002	RLJ	SW846 8260B

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Parameter	Results	Units	PQL	Start Date	Analyst	Method
trans-1,3-Dichloropropene	Below det lim	ug/Kg	16.0	4/30/2002	RLJ	SW846 8260B
Ethylbenzene	Below det lim	ug/Kg	16.0	4/30/2002	RLJ	SW846 8260B
Hexachlorobutadiene	Below det lim	ug/Kg	16.0	4/30/2002	RLJ	SW846 8260B
2-Hexanone (MBK)	Below det lim	ug/Kg	160	4/30/2002	RLJ	SW846 8260B
Isopropylbenzene	Below det lim	ug/Kg	16.0	4/30/2002	RLJ	SW846 8260B
4-Isopropyltoluene	Below det lim	ug/Kg	16.0	4/30/2002	RLJ	SW846 8260B
Methyl-tert-butyl ether (MTBE)	Below det lim	ug/Kg	16.0	4/30/2002	RLJ	SW846 8260B
4-Methyl-2-pentanone (MIBK)	Below det lim	ug/Kg	160	4/30/2002	RLJ	SW846 8260B
Methylene chloride	Below det lim	ug/Kg	50.0	4/30/2002	RLJ	SW846 8260B
Naphthalene	Below det lim	ug/Kg	16.0	4/30/2002	RLJ	SW846 8260B
n-Propylbenzene	Below det lim	ug/Kg	16.0	4/30/2002	RLJ	SW846 8260B
Styrene	Below det lim	ug/Kg	16.0	4/30/2002	RLJ	SW846 8260B
1,1,1,2-Tetrachloroethane	Below det lim	ug/Kg	16.0	4/30/2002	RLJ	SW846 8260B
1,1,2,2-Tetrachloroethane	Below det lim	ug/Kg	16.0	4/30/2002	RLJ	SW846 8260B
Tetrachloroethene (PCE)	Below det lim	ug/Kg	16.0	4/30/2002	RLJ	SW846 8260B
Toluene	Below det lim	ug/Kg	16.0	4/30/2002	RLJ	SW846 8260B
1,2,3-Trichlorobenzene	Below det lim	ug/Kg	16.0	4/30/2002	RLJ	SW846 8260B
1,2,4-Trichlorobenzene	Below det lim	ug/Kg	16.0	4/30/2002	RLJ	SW846 8260B
1,1,1-Trichloroethane	Below det lim	ug/Kg	16.0	4/30/2002	RLJ	SW846 8260B
1,1,2-Trichloroethane	Below det lim	ug/Kg	16.0	4/30/2002	RLJ	SW846 8260B
Trichloroethene (TCE)	Below det lim	ug/Kg	16.0	4/30/2002	RLJ	SW846 8260B
Trichlorofluoromethane	Below det lim	ug/Kg	16.0	4/30/2002	RLJ	SW846 8260B
1,2,3-Trichloropropane	Below det lim	ug/Kg	16.0	4/30/2002	RLJ	SW846 8260B
1,2,4-Trimethylbenzene	Below det lim	ug/Kg	16.0	4/30/2002	RLJ	SW846 8260B
1,3,5-Trimethylbenzene	Below det lim	ug/Kg	16.0	4/30/2002	RLJ	SW846 8260B
Vinyl chloride	Below det lim	ug/Kg	16.0	4/30/2002	RLJ	SW846 8260B
m,p-Xylenes	Below det lim	ug/Kg	32.0	4/30/2002	RLJ	SW846 8260B
o-Xylene	Below det lim	ug/Kg	16.0	4/30/2002	RLJ	SW846 8260B
4-Bromofluorobenzene (%SR)	108	ug/Kg	0.000	4/30/2002	RLJ	SW846 8260B
1,4-Difluorobenzene (%SR)	110	ug/Kg	0.000	4/30/2002	RLJ	SW846 8260B
Chlorobenzene-d5 (%SR)	115	ug/Kg	0.000	4/30/2002	RLJ	SW846 8260B
TPH Preparation						
Ultrasonic Extraction	Completed			4/29/2002	RT	SW846 3550B
Petroleum Hydrocarbon Analysis						
Extractable TPH						
Total Petroleum Hydrocarbons (C9-C36)	210	mg/Kg	20	5/1/2002	JD	CT ETPH
Gasoline	Below det lim	mg/Kg	20	5/1/2002	JD	CT ETPH
Fuel Oil #2	Below det lim	mg/Kg	20	5/1/2002	JD	CT ETPH
Fuel Oil #4	Below det lim	mg/Kg	20	5/1/2002	JD	CT ETPH
Fuel Oil #6	Below det lim	mg/Kg	20	5/1/2002	JD	CT ETPH
Motor Oil	Below det lim	mg/Kg	20	5/1/2002	JD	CT ETPH
Aviation Fuel	Below det lim	mg/Kg	20	5/1/2002	JD	CT ETPH

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Parameter	Results	Units	PQL	Start Date	Analyst	Method
Unidentified	210	mg/Kg	20	5/1/2002	JD	CT ETPH
Other Oil	*	mg/Kg	20	5/1/2002	JD	CT ETPH
1-Chloro-octadecane (%SR)	51	mg/Kg	0.	5/1/2002	JD	CT ETPH
SVOC Preparation						
Ultrasonic Extraction	Completed			4/29/2002	RT	SW846 3550B
Semivolatile Organic Compounds						
PAHs by GC/MS						
Naphthalene	Below det lim	ug/Kg	215	4/30/2002	MSL	SW846 8270C
2-Methylnaphthalene	Below det lim	ug/Kg	215	4/30/2002	MSL	SW846 8270C
1-Methylnaphthalene	Below det lim	ug/Kg	215	4/30/2002	MSL	SW846 8270C
Acenaphthylene	280	ug/Kg	215	4/30/2002	MSL	SW846 8270C
Acenaphthene	Below det lim	ug/Kg	215	4/30/2002	MSL	SW846 8270C
Fluorene	Below det lim	ug/Kg	215	4/30/2002	MSL	SW846 8270C
Phenanthrene	750	ug/Kg	215	4/30/2002	MSL	SW846 8270C
Anthracene	280	ug/Kg	215	4/30/2002	MSL	SW846 8270C
Fluoranthene	5,400	ug/Kg	215	4/30/2002	MSL	SW846 8270C
Pyrene	4,800	ug/Kg	215	4/30/2002	MSL	SW846 8270C
Benzo (a) anthracene	2,300	ug/Kg	215	4/30/2002	MSL	SW846 8270C
Chrysene	3,000	ug/Kg	215	4/30/2002	MSL	SW846 8270C
Benzo (b) fluoranthene	2,700	ug/Kg	215	4/30/2002	MSL	SW846 8270C
Benzo (k) fluoranthene	1,500	ug/Kg	215	4/30/2002	MSL	SW846 8270C
Benzo (a) pyrene	1,900	ug/Kg	215	4/30/2002	MSL	SW846 8270C
Indeno (1,2,3-cd) pyrene	990	ug/Kg	215	4/30/2002	MSL	SW846 8270C
Dibenzo (a,h) anthracene	Below det lim	ug/Kg	215	4/30/2002	MSL	SW846 8270C
Benzo (g,h,i) perylene	970	ug/Kg	215	4/30/2002	MSL	SW846 8270C
2-Fluorobiphenyl (%SR)	43	ug/Kg	0.000	4/30/2002	MSL	SW846 8270C
Terphenyl-d14 (%SR)	42	ug/Kg	0.000	4/30/2002	MSL	SW846 8270C
Semivolatile Organic Compounds						
Organochlorine Pesticides by GC						
Aldrin	Below det lim	ug/Kg	6.7	5/1/2002	MB	SW846 8081A
alpha-BHC	Below det lim	ug/Kg	6.7	5/1/2002	MB	SW846 8081A
beta-BHC	Below det lim	ug/Kg	6.7	5/1/2002	MB	SW846 8081A
delta-BHC	Below det lim	ug/Kg	6.7	5/1/2002	MB	SW846 8081A
gamma-BHC (Lindane)	Below det lim	ug/Kg	6.7	5/1/2002	MB	SW846 8081A
Chlordane	Below det lim	ug/Kg	30	5/1/2002	MB	SW846 8081A
4,4'-DDD	Below det lim	ug/Kg	6.7	5/1/2002	MB	SW846 8081A
4,4'-DDE	Below det lim	ug/Kg	6.7	5/1/2002	MB	SW846 8081A
4,4'-DDT	Below det lim	ug/Kg	6.7	5/1/2002	MB	SW846 8081A
Dieldrin	Below det lim	ug/Kg	6.7	5/1/2002	MB	SW846 8081A
Endosulfan I	Below det lim	ug/Kg	6.7	5/1/2002	MB	SW846 8081A
Endosulfan II	Below det lim	ug/Kg	6.7	5/1/2002	MB	SW846 8081A
Endosulfan sulfate	Below det lim	ug/Kg	6.7	5/1/2002	MB	SW846 8081A

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Parameter	Results	Units	PQL	Start Date	Analyst	Method
Endrin	Below det lim	ug/Kg	6.7	5/1/2002	MB	SW846 8081A
Endrin aldehyde	Below det lim	ug/Kg	6.7	5/1/2002	MB	SW846 8081A
Heptachlor	Below det lim	ug/Kg	6.7	5/1/2002	MB	SW846 8081A
Methoxychlor	Below det lim	ug/Kg	10	5/1/2002	MB	SW846 8081A
Heptachlor epoxide	Below det lim	ug/Kg	6.7	5/1/2002	MB	SW846 8081A
Toxaphene	Below det lim	ug/Kg	70	5/1/2002	MB	SW846 8081A
Decachlorobiphenyl (%SR)	115	ug/Kg	0.	5/1/2002	MB	SW846 8081A
Polychlorinated Biphenyls by GC						
PCB-1016	Below det lim	ug/Kg	27	5/1/2002	MB	SW846 8082
PCB-1221	Below det lim	ug/Kg	27	5/1/2002	MB	SW846 8082
PCB-1232	Below det lim	ug/Kg	27	5/1/2002	MB	SW846 8082
PCB-1242	Below det lim	ug/Kg	27	5/1/2002	MB	SW846 8082
PCB-1248	Below det lim	ug/Kg	27	5/1/2002	MB	SW846 8082
PCB-1254	Below det lim	ug/Kg	27	5/1/2002	MB	SW846 8082
PCB-1260	Below det lim	ug/Kg	27	5/1/2002	MB	SW846 8082
Decachlorobiphenyl (%SR)	115	ug/Kg	0.00	5/1/2002	MB	SW846 8082
Herbicides						
Chlorinated Herbicides						
2,4-D	Below det lim	ug/Kg	100	5/1/2002	MP	SW846 8151A
2,4,5-T	Below det lim	ug/Kg	20	5/1/2002	MP	SW846 8151A
2,4,5-TP(Silvex)	Below det lim	ug/Kg	20	5/1/2002	MP	SW846 8151A
Dinoseb	Below det lim	ug/Kg	10	5/1/2002	MP	SW846 8151A
Dicamba	Below det lim	ug/Kg	30	5/1/2002	MP	SW846 8151A
Dalapon	Below det lim	ug/Kg	500	5/1/2002	MP	SW846 8151A
Dichlorprop	Below det lim	ug/Kg	100	5/1/2002	MP	SW846 8151A
2,4-DB	Below det lim	ug/Kg	100	5/1/2002	MP	SW846 8151A
4,4'-DB-Octafluorobiphenyl (SR)	104	ug/Kg		5/1/2002	MP	SW846 8151A
Metals Preparation						
Mercury Digestion	Completed			4/26/2002	LFR	EPA 245.1
Mercury Digestion on Leachate	Completed			5/1/2002	LK	EPA 245.1
Metals Digestion	Completed			4/26/2002	LFR	EPA 200.7
Metals Digestion on Leachate	Completed			5/1/2002	LK	EPA 200.7
Metals Analysis						
SPLP RCRA8 Metals						
SPLP Arsenic	Below det lim	mg/L	0.015	5/1/2002	KS	1312/200.7
SPLP Barium	0.0061	mg/L	0.005	5/1/2002	KS	1312/200.7
SPLP Cadmium	Below det lim	mg/L	0.0025	5/1/2002	KS	1312/200.7
SPLP Chromium	Below det lim	mg/L	0.005	5/1/2002	KS	1312/200.7
SPLP Lead	0.0085	mg/L	0.0075	5/1/2002	KS	1312/200.7
SPLP Selenium	Below det lim	mg/L	0.015	5/1/2002	KS	1312/200.7
SPLP Silver	Below det lim	mg/L	0.010	5/1/2002	KS	1312/200.7

Lab ID No: AD11629 **Collection Date:** 4/23/2002
Client Id: S-2 **Matrix** Soil

Parameter	Results	Units	PQL	Start Date	Analyst	Method
SPLP Mercury	Below det lim	mg/L	0.0004	5/1/2002	EPR	1312/245.1
Total RCRA8 Metals						
Total Arsenic	4.78	mg/Kg	3.38	4/30/2002	KSR	EPA 200.7
Total Barium	59.2	mg/Kg	1.13	4/30/2002	KSR	EPA 200.7
Total Cadmium	1.43	mg/Kg	0.563	4/30/2002	KSR	EPA 200.7
Total Chromium	23.2	mg/Kg	1.13	4/30/2002	KSR	EPA 200.7
Total Lead	424	mg/Kg	1.69	4/30/2002	KSR	EPA 200.7
Total Selenium	Below det lim	mg/Kg	6.29	4/30/2002	KSR	EPA 200.7
Total Silver	Below det lim	mg/Kg	2.25	4/30/2002	KSR	EPA 200.7
Total Mercury	Below det lim	mg/Kg	0.206	4/30/2002	EPR	EPA 245.1
TCLP/SPLP Preparation						
SPLP Extraction for Metals	Completed			4/29/2002	HB	SW846 1312
% Solids	77.2	%		4/30/2002	AAS	SM2540 B Mod

Lab ID No: AD11630 **Collection Date:** 4/23/2002
Client Id: S-3 **Matrix** Soil

Parameter	Results	Units	PQL	Start Date	Analyst	Method
VOC Preparation						
VOC Extraction (solid)	Lab ext			4/29/2002	AS	SW846 5035
Volatile Organic Compounds						
VOCs by GC/MS						
Acetone	Below det lim	ug/Kg	280	4/30/2002	RLJ	SW846 8260B
Acrylonitrile	Below det lim	ug/Kg	14.0	4/30/2002	RLJ	SW846 8260B
Benzene	Below det lim	ug/Kg	14.0	4/30/2002	RLJ	SW846 8260B
Bromobenzene	Below det lim	ug/Kg	14.0	4/30/2002	RLJ	SW846 8260B
Bromochloromethane	Below det lim	ug/Kg	14.0	4/30/2002	RLJ	SW846 8260B
Bromodichloromethane	Below det lim	ug/Kg	14.0	4/30/2002	RLJ	SW846 8260B
Bromoform	Below det lim	ug/Kg	14.0	4/30/2002	RLJ	SW846 8260B
Bromomethane	Below det lim	ug/Kg	28.0	4/30/2002	RLJ	SW846 8260B
2-Butanone (MEK)	Below det lim	ug/Kg	140	4/30/2002	RLJ	SW846 8260B
n-Butylbenzene	Below det lim	ug/Kg	14.0	4/30/2002	RLJ	SW846 8260B
sec-Butylbenzene	Below det lim	ug/Kg	14.0	4/30/2002	RLJ	SW846 8260B
tert-Butylbenzene	Below det lim	ug/Kg	14.0	4/30/2002	RLJ	SW846 8260B
Carbon disulfide	Below det lim	ug/Kg	70.0	4/30/2002	RLJ	SW846 8260B
Carbon tetrachloride	Below det lim	ug/Kg	14.0	4/30/2002	RLJ	SW846 8260B
Chlorobenzene	Below det lim	ug/Kg	14.0	4/30/2002	RLJ	SW846 8260B
Chloroethane	Below det lim	ug/Kg	28.0	4/30/2002	RLJ	SW846 8260B
Chloroform	Below det lim	ug/Kg	14.0	4/30/2002	RLJ	SW846 8260B
Chloromethane	Below det lim	ug/Kg	28.0	4/30/2002	RLJ	SW846 8260B
2-Chlorotoluene	Below det lim	ug/Kg	14.0	4/30/2002	RLJ	SW846 8260B
4-Chlorotoluene	Below det lim	ug/Kg	14.0	4/30/2002	RLJ	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	Below det lim	ug/Kg	28.0	4/30/2002	RLJ	SW846 8260B
Dibromochloromethane	Below det lim	ug/Kg	14.0	4/30/2002	RLJ	SW846 8260B
1,2-Dibromoethane (EDB)	Below det lim	ug/Kg	14.0	4/30/2002	RLJ	SW846 8260B
Dibromomethane	Below det lim	ug/Kg	14.0	4/30/2002	RLJ	SW846 8260B
1,2-Dichlorobenzene	Below det lim	ug/Kg	14.0	4/30/2002	RLJ	SW846 8260B
1,3-Dichlorobenzene	Below det lim	ug/Kg	14.0	4/30/2002	RLJ	SW846 8260B
1,4-Dichlorobenzene	Below det lim	ug/Kg	14.0	4/30/2002	RLJ	SW846 8260B
Dichlorodifluoromethane	Below det lim	ug/Kg	28.0	4/30/2002	RLJ	SW846 8260B
1,1-Dichloroethane	Below det lim	ug/Kg	14.0	4/30/2002	RLJ	SW846 8260B
1,2-Dichloroethane	Below det lim	ug/Kg	14.0	4/30/2002	RLJ	SW846 8260B
1,1-Dichloroethene	Below det lim	ug/Kg	14.0	4/30/2002	RLJ	SW846 8260B
cis-1,2-Dichloroethene	Below det lim	ug/Kg	14.0	4/30/2002	RLJ	SW846 8260B
trans-1,2-Dichloroethene	Below det lim	ug/Kg	14.0	4/30/2002	RLJ	SW846 8260B
1,2-Dichloropropane	Below det lim	ug/Kg	14.0	4/30/2002	RLJ	SW846 8260B
1,3-Dichloropropane	Below det lim	ug/Kg	14.0	4/30/2002	RLJ	SW846 8260B
2,2-Dichloropropane	Below det lim	ug/Kg	14.0	4/30/2002	RLJ	SW846 8260B
1,1-Dichloropropene	Below det lim	ug/Kg	14.0	4/30/2002	RLJ	SW846 8260B
cis-1,3-Dichloropropene	Below det lim	ug/Kg	14.0	4/30/2002	RLJ	SW846 8260B

Lab ID No: AD11630 Collection Date: 4/23/2002
Client Id: S-3 Matrix Soil

Parameter	Results	Units	PQL	Start Date	Analyst	Method
trans-1,3-Dichloropropene	Below det lim	ug/Kg	14.0	4/30/2002	RLJ	SW846 8260B
Ethylbenzene	Below det lim	ug/Kg	14.0	4/30/2002	RLJ	SW846 8260B
Hexachlorobutadiene	Below det lim	ug/Kg	14.0	4/30/2002	RLJ	SW846 8260B
2-Hexanone (MBK)	Below det lim	ug/Kg	140	4/30/2002	RLJ	SW846 8260B
Isopropylbenzene	Below det lim	ug/Kg	14.0	4/30/2002	RLJ	SW846 8260B
4-Isopropyltoluene	Below det lim	ug/Kg	14.0	4/30/2002	RLJ	SW846 8260B
Methyl-tert-butyl ether (MTBE)	Below det lim	ug/Kg	14.0	4/30/2002	RLJ	SW846 8260B
4-Methyl-2-pentanone (MIBK)	Below det lim	ug/Kg	140	4/30/2002	RLJ	SW846 8260B
Methylene chloride	Below det lim	ug/Kg	30.0	4/30/2002	RLJ	SW846 8260B
Naphthalene	Below det lim	ug/Kg	14.0	4/30/2002	RLJ	SW846 8260B
n-Propylbenzene	Below det lim	ug/Kg	14.0	4/30/2002	RLJ	SW846 8260B
Styrene	Below det lim	ug/Kg	14.0	4/30/2002	RLJ	SW846 8260B
1,1,1,2-Tetrachloroethane	Below det lim	ug/Kg	14.0	4/30/2002	RLJ	SW846 8260B
1,1,2,2-Tetrachloroethane	Below det lim	ug/Kg	14.0	4/30/2002	RLJ	SW846 8260B
Tetrachloroethene (PCE)	Below det lim	ug/Kg	14.0	4/30/2002	RLJ	SW846 8260B
Toluene	Below det lim	ug/Kg	14.0	4/30/2002	RLJ	SW846 8260B
1,2,3-Trichlorobenzene	Below det lim	ug/Kg	14.0	4/30/2002	RLJ	SW846 8260B
1,2,4-Trichlorobenzene	Below det lim	ug/Kg	14.0	4/30/2002	RLJ	SW846 8260B
1,1,1-Trichloroethane	Below det lim	ug/Kg	14.0	4/30/2002	RLJ	SW846 8260B
1,1,2-Trichloroethane	Below det lim	ug/Kg	14.0	4/30/2002	RLJ	SW846 8260B
Trichloroethene (TCE)	Below det lim	ug/Kg	14.0	4/30/2002	RLJ	SW846 8260B
Trichlorofluoromethane	Below det lim	ug/Kg	14.0	4/30/2002	RLJ	SW846 8260B
1,2,3-Trichloropropane	Below det lim	ug/Kg	14.0	4/30/2002	RLJ	SW846 8260B
1,2,4-Trimethylbenzene	Below det lim	ug/Kg	14.0	4/30/2002	RLJ	SW846 8260B
1,3,5-Trimethylbenzene	Below det lim	ug/Kg	14.0	4/30/2002	RLJ	SW846 8260B
Vinyl chloride	Below det lim	ug/Kg	14.0	4/30/2002	RLJ	SW846 8260B
m,p-Xylenes	Below det lim	ug/Kg	28.0	4/30/2002	RLJ	SW846 8260B
o-Xylene	Below det lim	ug/Kg	14.0	4/30/2002	RLJ	SW846 8260B
4-Bromofluorobenzene (%SR)	109	ug/Kg	0.000	4/30/2002	RLJ	SW846 8260B
1,4-Difluorobenzene (%SR)	108	ug/Kg	0.000	4/30/2002	RLJ	SW846 8260B
Chlorobenzene-d5 (%SR)	114	ug/Kg	0.000	4/30/2002	RLJ	SW846 8260B
TPH Preparation						
Ultrasonic Extraction	Completed			4/29/2002	RT	SW846 3550B
Petroleum Hydrocarbon Analysis						
Extractable TPH						
Total Petroleum Hydrocarbons (C9-C36)	140	mg/Kg	20	5/1/2002	JD	CT ETPH
Gasoline	Below det lim	mg/Kg	20	5/1/2002	JD	CT ETPH
Fuel Oil #2	Below det lim	mg/Kg	20	5/1/2002	JD	CT ETPH
Fuel Oil #4	Below det lim	mg/Kg	20	5/1/2002	JD	CT ETPH
Fuel Oil #6	Below det lim	mg/Kg	20	5/1/2002	JD	CT ETPH
Motor Oil	Below det lim	mg/Kg	20	5/1/2002	JD	CT ETPH
Aviation Fuel	Below det lim	mg/Kg	20	5/1/2002	JD	CT ETPH

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Collection Date: 4/23/2002
Matrix Soil

Parameter	Results	Units	PQL	Start Date	Analyst	Method
Unidentified	140	mg/Kg	20	5/1/2002	JD	CT ETPH
Other Oil	*	mg/Kg	20	5/1/2002	JD	CT ETPH
1-Chloro-octadecane (%SR)	79	mg/Kg	0.	5/1/2002	JD	CT ETPH
SVOC Preparation						
Ultrasonic Extraction	Completed			4/29/2002	RT	SW846 3550B
Semivolatile Organic Compounds						
PAHs by GC/MS						
Naphthalene	Below det lim	ug/Kg	215	4/30/2002	MSL	SW846 8270C
2-Methylnaphthalene	Below det lim	ug/Kg	215	4/30/2002	MSL	SW846 8270C
1-Methylnaphthalene	Below det lim	ug/Kg	215	4/30/2002	MSL	SW846 8270C
Acenaphthylene	Below det lim	ug/Kg	215	4/30/2002	MSL	SW846 8270C
Acenaphthene	Below det lim	ug/Kg	215	4/30/2002	MSL	SW846 8270C
Fluorene	Below det lim	ug/Kg	215	4/30/2002	MSL	SW846 8270C
Phenanthrene	390	ug/Kg	215	4/30/2002	MSL	SW846 8270C
Anthracene	Below det lim	ug/Kg	215	4/30/2002	MSL	SW846 8270C
Fluoranthene	1,400	ug/Kg	215	4/30/2002	MSL	SW846 8270C
Pyrene	1,100	ug/Kg	215	4/30/2002	MSL	SW846 8270C
Benzo (a) anthracene	620	ug/Kg	215	4/30/2002	MSL	SW846 8270C
Chrysene	810	ug/Kg	215	4/30/2002	MSL	SW846 8270C
Benzo (b) fluoranthene	800	ug/Kg	215	4/30/2002	MSL	SW846 8270C
Benzo (k) fluoranthene	430	ug/Kg	215	4/30/2002	MSL	SW846 8270C
Benzo (a) pyrene	470	ug/Kg	215	4/30/2002	MSL	SW846 8270C
Indeno (1,2,3-cd) pyrene	Below det lim	ug/Kg	215	4/30/2002	MSL	SW846 8270C
Dibenzo (a,h) anthracene	Below det lim	ug/Kg	215	4/30/2002	MSL	SW846 8270C
Benzo (g,h,i) perylene	Below det lim	ug/Kg	215	4/30/2002	MSL	SW846 8270C
2-Fluorobiphenyl (%SR)	44	ug/Kg	0.000	4/30/2002	MSL	SW846 8270C
Terphenyl-d14 (%SR)	41	ug/Kg	0.000	4/30/2002	MSL	SW846 8270C
Semivolatile Organic Compounds						
Organochlorine Pesticides by GC						
Aldrin	Below det lim	ug/Kg	6.7	5/1/2002	MB	SW846 8081A
alpha-BHC	Below det lim	ug/Kg	6.7	5/1/2002	MB	SW846 8081A
beta-BHC	Below det lim	ug/Kg	6.7	5/1/2002	MB	SW846 8081A
delta-BHC	Below det lim	ug/Kg	6.7	5/1/2002	MB	SW846 8081A
gamma-BHC (Lindane)	Below det lim	ug/Kg	6.7	5/1/2002	MB	SW846 8081A
Chlordane	Below det lim	ug/Kg	30	5/1/2002	MB	SW846 8081A
4,4'-DDD	Below det lim	ug/Kg	6.7	5/1/2002	MB	SW846 8081A
4,4'-DDE	Below det lim	ug/Kg	6.7	5/1/2002	MB	SW846 8081A
4,4'-DDT	Below det lim	ug/Kg	6.7	5/1/2002	MB	SW846 8081A
Dieldrin	Below det lim	ug/Kg	6.7	5/1/2002	MB	SW846 8081A
Endosulfan I	Below det lim	ug/Kg	6.7	5/1/2002	MB	SW846 8081A
Endosulfan II	Below det lim	ug/Kg	6.7	5/1/2002	MB	SW846 8081A
Endosulfan sulfate	Below det lim	ug/Kg	6.7	5/1/2002	MB	SW846 8081A

Parameter	Results	Units	PQL	Start Date	Analyst	Method
Endrin	Below det lim	ug/Kg	6.7	5/1/2002	MB	SW846 8081A
Endrin aldehyde	Below det lim	ug/Kg	6.7	5/1/2002	MB	SW846 8081A
Heptachlor	Below det lim	ug/Kg	6.7	5/1/2002	MB	SW846 8081A
Methoxychlor	Below det lim	ug/Kg	10	5/1/2002	MB	SW846 8081A
Heptachlor epoxide	Below det lim	ug/Kg	6.7	5/1/2002	MB	SW846 8081A
Toxaphene	Below det lim	ug/Kg	70	5/1/2002	MB	SW846 8081A
Decachlorobiphenyl (%SR)	110	ug/Kg	0.	5/1/2002	MB	SW846 8081A
Polychlorinated Biphenyls by GC						
PCB-1016	Below det lim	ug/Kg	26	5/1/2002	MB	SW846 8082
PCB-1221	Below det lim	ug/Kg	26	5/1/2002	MB	SW846 8082
PCB-1232	Below det lim	ug/Kg	26	5/1/2002	MB	SW846 8082
PCB-1242	Below det lim	ug/Kg	26	5/1/2002	MB	SW846 8082
PCB-1248	Below det lim	ug/Kg	26	5/1/2002	MB	SW846 8082
PCB-1254	Below det lim	ug/Kg	26	5/1/2002	MB	SW846 8082
PCB-1260	Below det lim	ug/Kg	26	5/1/2002	MB	SW846 8082
Decachlorobiphenyl (%SR)	110	ug/Kg	0.00	5/1/2002	MB	SW846 8082
Herbicides						
Chlorinated Herbicides						
2,4-D	Below det lim	ug/Kg	100	5/1/2002	MP	SW846 8151A
2,4,5-T	Below det lim	ug/Kg	20	5/1/2002	MP	SW846 8151A
2,4,5-TP(Silvex)	Below det lim	ug/Kg	20	5/1/2002	MP	SW846 8151A
Dinoseb	Below det lim	ug/Kg	10	5/1/2002	MP	SW846 8151A
Dicamba	Below det lim	ug/Kg	30	5/1/2002	MP	SW846 8151A
Dalapon	Below det lim	ug/Kg	500	5/1/2002	MP	SW846 8151A
Dichlorprop	Below det lim	ug/Kg	100	5/1/2002	MP	SW846 8151A
2,4-DB	Below det lim	ug/Kg	100	5/1/2002	MP	SW846 8151A
4,4'-DB-Octafluorobiphenyl (SR)	95	ug/Kg		5/1/2002	MP	SW846 8151A
Metals Preparation						
Mercury Digestion	Completed			4/26/2002	LFR	EPA 245.1
Mercury Digestion on Leachate	Completed			5/1/2002	LK	EPA 245.1
Metals Digestion	Completed			4/26/2002	LFR	EPA 200.7
Metals Digestion on Leachate	Completed			5/1/2002	LK	EPA 200.7
Metals Analysis						
SPLP RCRA8 Metals						
SPLP Arsenic	Below det lim	mg/L	0.015	5/1/2002	KS	1312/200.7
SPLP Barium	0.0233	mg/L	0.005	5/1/2002	KS	1312/200.7
SPLP Cadmium	Below det lim	mg/L	0.0025	5/1/2002	KS	1312/200.7
SPLP Chromium	Below det lim	mg/L	0.005	5/1/2002	KS	1312/200.7
SPLP Lead	0.0419	mg/L	0.0075	5/1/2002	KS	1312/200.7
SPLP Selenium	Below det lim	mg/L	0.015	5/1/2002	KS	1312/200.7
SPLP Silver	Below det lim	mg/L	0.010	5/1/2002	KS	1312/200.7

Lab ID No: AD11630 **Collection Date:** 4/23/2002
Client Id: S-3 **Matrix** Soil

Parameter	Results	Units	PQL	Start Date	Analyst	Method
SPLP Mercury	Below det lim	mg/L	0.0004	5/1/2002	EPR	1312/245.1
Total RCRA8 Metals						
Total Arsenic	Below det lim	mg/Kg	3.31	4/30/2002	KSR	EPA 200.7
Total Barium	58.3	mg/Kg	1.10	4/30/2002	KSR	EPA 200.7
Total Cadmium	1.42	mg/Kg	0.552	4/30/2002	KSR	EPA 200.7
Total Chromium	24.1	mg/Kg	1.10	4/30/2002	KSR	EPA 200.7
Total Lead	583	mg/Kg	1.66	4/30/2002	KSR	EPA 200.7
Total Selenium	Below det lim	mg/Kg	5.15	4/30/2002	KSR	EPA 200.7
Total Silver	Below det lim	mg/Kg	2.21	4/30/2002	KSR	EPA 200.7
Total Mercury	Below det lim	mg/Kg	0.205	4/30/2002	EPR	EPA 245.1
TCLP/SPLP Preparation						
SPLP Extraction for Metals	Completed			4/29/2002	HB	SW846 1312
% Solids	80.8	%		4/30/2002	AAS	SM2540 B Mod

Lab ID No: AD11631 **Collection Date:** 4/23/2002
Client Id: S-4 **Matrix** Soil

Parameter	Results	Units	PQL	Start Date	Analyst	Method
VOC Preparation						
VOC Extraction (solid)	Lab ext			4/29/2002	AS	SW846 5035
Volatile Organic Compounds						
VOCs by GC/MS						
Acetone	Below det lim	ug/Kg	340	4/30/2002	RLJ	SW846 8260B
Acrylonitrile	Below det lim	ug/Kg	17.0	4/30/2002	RLJ	SW846 8260B
Benzene	Below det lim	ug/Kg	17.0	4/30/2002	RLJ	SW846 8260B
Bromobenzene	Below det lim	ug/Kg	17.0	4/30/2002	RLJ	SW846 8260B
Bromochloromethane	Below det lim	ug/Kg	17.0	4/30/2002	RLJ	SW846 8260B
Bromodichloromethane	Below det lim	ug/Kg	17.0	4/30/2002	RLJ	SW846 8260B
Bromoform	Below det lim	ug/Kg	17.0	4/30/2002	RLJ	SW846 8260B
Bromomethane	Below det lim	ug/Kg	34.0	4/30/2002	RLJ	SW846 8260B
2-Butanone (MEK)	Below det lim	ug/Kg	170	4/30/2002	RLJ	SW846 8260B
n-Butylbenzene	Below det lim	ug/Kg	17.0	4/30/2002	RLJ	SW846 8260B
sec-Butylbenzene	Below det lim	ug/Kg	17.0	4/30/2002	RLJ	SW846 8260B
tert-Butylbenzene	Below det lim	ug/Kg	17.0	4/30/2002	RLJ	SW846 8260B
Carbon disulfide	Below det lim	ug/Kg	85.0	4/30/2002	RLJ	SW846 8260B
Carbon tetrachloride	Below det lim	ug/Kg	17.0	4/30/2002	RLJ	SW846 8260B
Chlorobenzene	Below det lim	ug/Kg	17.0	4/30/2002	RLJ	SW846 8260B
Chloroethane	Below det lim	ug/Kg	34.0	4/30/2002	RLJ	SW846 8260B
Chloroform	Below det lim	ug/Kg	17.0	4/30/2002	RLJ	SW846 8260B
Chloromethane	Below det lim	ug/Kg	34.0	4/30/2002	RLJ	SW846 8260B
2-Chlorotoluene	Below det lim	ug/Kg	17.0	4/30/2002	RLJ	SW846 8260B
4-Chlorotoluene	Below det lim	ug/Kg	17.0	4/30/2002	RLJ	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	Below det lim	ug/Kg	34.0	4/30/2002	RLJ	SW846 8260B
Dibromochloromethane	Below det lim	ug/Kg	17.0	4/30/2002	RLJ	SW846 8260B
1,2-Dibromoethane (EDB)	Below det lim	ug/Kg	17.0	4/30/2002	RLJ	SW846 8260B
Dibromomethane	Below det lim	ug/Kg	17.0	4/30/2002	RLJ	SW846 8260B
1,2-Dichlorobenzene	Below det lim	ug/Kg	17.0	4/30/2002	RLJ	SW846 8260B
1,3-Dichlorobenzene	Below det lim	ug/Kg	17.0	4/30/2002	RLJ	SW846 8260B
1,4-Dichlorobenzene	Below det lim	ug/Kg	17.0	4/30/2002	RLJ	SW846 8260B
Dichlorodifluoromethane	Below det lim	ug/Kg	34.0	4/30/2002	RLJ	SW846 8260B
1,1-Dichloroethane	Below det lim	ug/Kg	17.0	4/30/2002	RLJ	SW846 8260B
1,2-Dichloroethane	Below det lim	ug/Kg	17.0	4/30/2002	RLJ	SW846 8260B
1,1-Dichloroethene	Below det lim	ug/Kg	17.0	4/30/2002	RLJ	SW846 8260B
cis-1,2-Dichloroethene	Below det lim	ug/Kg	17.0	4/30/2002	RLJ	SW846 8260B
trans-1,2-Dichloroethene	Below det lim	ug/Kg	17.0	4/30/2002	RLJ	SW846 8260B
1,2-Dichloropropane	Below det lim	ug/Kg	17.0	4/30/2002	RLJ	SW846 8260B
1,3-Dichloropropane	Below det lim	ug/Kg	17.0	4/30/2002	RLJ	SW846 8260B
2,2-Dichloropropane	Below det lim	ug/Kg	17.0	4/30/2002	RLJ	SW846 8260B
1,1-Dichloropropene	Below det lim	ug/Kg	17.0	4/30/2002	RLJ	SW846 8260B
cis-1,3-Dichloropropene	Below det lim	ug/Kg	17.0	4/30/2002	RLJ	SW846 8260B

Lab ID No: AD11631 **Collection Date:** 4/23/2002
Client Id: S-4 **Matrix** Soil

Parameter	Results	Units	PQL	Start Date	Analyst	Method
trans-1,3-Dichloropropene	Below det lim	ug/Kg	17.0	4/30/2002	RLJ	SW846 8260B
Ethylbenzene	Below det lim	ug/Kg	17.0	4/30/2002	RLJ	SW846 8260B
Hexachlorobutadiene	Below det lim	ug/Kg	17.0	4/30/2002	RLJ	SW846 8260B
2-Hexanone (MBK)	Below det lim	ug/Kg	170	4/30/2002	RLJ	SW846 8260B
Isopropylbenzene	Below det lim	ug/Kg	17.0	4/30/2002	RLJ	SW846 8260B
4-Isopropyltoluene	Below det lim	ug/Kg	17.0	4/30/2002	RLJ	SW846 8260B
Methyl-tert-butyl ether (MTBE)	Below det lim	ug/Kg	17.0	4/30/2002	RLJ	SW846 8260B
4-Methyl-2-pentanone (MIBK)	Below det lim	ug/Kg	170	4/30/2002	RLJ	SW846 8260B
Methylene chloride	Below det lim	ug/Kg	35.0	4/30/2002	RLJ	SW846 8260B
Naphthalene	Below det lim	ug/Kg	17.0	4/30/2002	RLJ	SW846 8260B
n-Propylbenzene	Below det lim	ug/Kg	17.0	4/30/2002	RLJ	SW846 8260B
Styrene	Below det lim	ug/Kg	17.0	4/30/2002	RLJ	SW846 8260B
1,1,1,2-Tetrachloroethane	Below det lim	ug/Kg	17.0	4/30/2002	RLJ	SW846 8260B
1,1,2,2-Tetrachloroethane	Below det lim	ug/Kg	17.0	4/30/2002	RLJ	SW846 8260B
Tetrachloroethene (PCE)	Below det lim	ug/Kg	17.0	4/30/2002	RLJ	SW846 8260B
Toluene	Below det lim	ug/Kg	17.0	4/30/2002	RLJ	SW846 8260B
1,2,3-Trichlorobenzene	Below det lim	ug/Kg	17.0	4/30/2002	RLJ	SW846 8260B
1,2,4-Trichlorobenzene	Below det lim	ug/Kg	17.0	4/30/2002	RLJ	SW846 8260B
1,1,1-Trichloroethane	Below det lim	ug/Kg	17.0	4/30/2002	RLJ	SW846 8260B
1,1,2-Trichloroethane	Below det lim	ug/Kg	17.0	4/30/2002	RLJ	SW846 8260B
Trichloroethene (TCE)	Below det lim	ug/Kg	17.0	4/30/2002	RLJ	SW846 8260B
Trichlorofluoromethane	Below det lim	ug/Kg	17.0	4/30/2002	RLJ	SW846 8260B
1,2,3-Trichloropropane	Below det lim	ug/Kg	17.0	4/30/2002	RLJ	SW846 8260B
1,2,4-Trimethylbenzene	Below det lim	ug/Kg	17.0	4/30/2002	RLJ	SW846 8260B
1,3,5-Trimethylbenzene	Below det lim	ug/Kg	17.0	4/30/2002	RLJ	SW846 8260B
Vinyl chloride	Below det lim	ug/Kg	17.0	4/30/2002	RLJ	SW846 8260B
m,p-Xylenes	Below det lim	ug/Kg	34.0	4/30/2002	RLJ	SW846 8260B
o-Xylene	Below det lim	ug/Kg	17.0	4/30/2002	RLJ	SW846 8260B
4-Bromofluorobenzene (%SR)	117	ug/Kg	0.000	4/30/2002	RLJ	SW846 8260B
1,4-Difluorobenzene (%SR)	110	ug/Kg	0.000	4/30/2002	RLJ	SW846 8260B
Chlorobenzene-d5 (%SR)	120	ug/Kg	0.000	4/30/2002	RLJ	SW846 8260B
TPH Preparation						
Ultrasonic Extraction	Completed			4/29/2002	RT	SW846 3550B
Petroleum Hydrocarbon Analysis						
Extractable TPH						
Total Petroleum Hydrocarbons (C9-C36)	380	mg/Kg	30	4/30/2002	JD	CT ETPH
Gasoline	Below det lim	mg/Kg	30	4/30/2002	JD	CT ETPH
Fuel Oil #2	Below det lim	mg/Kg	30	4/30/2002	JD	CT ETPH
Fuel Oil #4	Below det lim	mg/Kg	30	4/30/2002	JD	CT ETPH
Fuel Oil #6	Below det lim	mg/Kg	30	4/30/2002	JD	CT ETPH
Motor Oil	Below det lim	mg/Kg	30	4/30/2002	JD	CT ETPH
Aviation Fuel	Below det lim	mg/Kg	30	4/30/2002	JD	CT ETPH

Lab ID No: AD11631 Collection Date: 4/23/2002
Client Id: S-4 Matrix Soil

Parameter	Results	Units	PQL	Start Date	Analyst	Method
Unidentified	380	mg/Kg	30	4/30/2002	JD	CT ETPH
Other Oil	*	mg/Kg	30	4/30/2002	JD	CT ETPH
1-Chloro-octadecane (%SR)	72	mg/Kg	0.	4/30/2002	JD	CT ETPH
SVOC Preparation						
Ultrasonic Extraction	Completed			4/29/2002	RT	SW846 3550B
Semivolatile Organic Compounds						
PAHs by GC/MS						
Naphthalene	Below det lim	ug/Kg	182	4/30/2002	MSL	SW846 8270C
2-Methylnaphthalene	Below det lim	ug/Kg	182	4/30/2002	MSL	SW846 8270C
1-Methylnaphthalene	Below det lim	ug/Kg	182	4/30/2002	MSL	SW846 8270C
Acenaphthylene	480	ug/Kg	182	4/30/2002	MSL	SW846 8270C
Acenaphthene	Below det lim	ug/Kg	182	4/30/2002	MSL	SW846 8270C
Fluorene	Below det lim	ug/Kg	182	4/30/2002	MSL	SW846 8270C
Phenanthrene	1,100	ug/Kg	182	4/30/2002	MSL	SW846 8270C
Anthracene	470	ug/Kg	182	4/30/2002	MSL	SW846 8270C
Fluoranthene	8,200	ug/Kg	182	4/30/2002	MSL	SW846 8270C
Pyrene	6,100	ug/Kg	182	4/30/2002	MSL	SW846 8270C
Benzo (a) anthracene	3,600	ug/Kg	182	4/30/2002	MSL	SW846 8270C
Chrysene	4,100	ug/Kg	182	4/30/2002	MSL	SW846 8270C
Benzo (b) fluoranthene	4,300	ug/Kg	182	4/30/2002	MSL	SW846 8270C
Benzo (k) fluoranthene	2,600	ug/Kg	182	4/30/2002	MSL	SW846 8270C
Benzo (a) pyrene	3,200	ug/Kg	182	4/30/2002	MSL	SW846 8270C
Indeno (1,2,3-cd) pyrene	1,900	ug/Kg	182	4/30/2002	MSL	SW846 8270C
Dibenzo (a,h) anthracene	390	ug/Kg	182	4/30/2002	MSL	SW846 8270C
Benzo (g,h,i) perylene	1,800	ug/Kg	182	4/30/2002	MSL	SW846 8270C
2-Fluorobiphenyl (%SR)	45	ug/Kg	0.000	4/30/2002	MSL	SW846 8270C
Terphenyl-d14 (%SR)	49	ug/Kg	0.000	4/30/2002	MSL	SW846 8270C
Semivolatile Organic Compounds						
Organochlorine Pesticides by GC						
Aldrin	Below det lim	ug/Kg	7.2	5/1/2002	MB	SW846 8081A
alpha-BHC	Below det lim	ug/Kg	7.2	5/1/2002	MB	SW846 8081A
beta-BHC	Below det lim	ug/Kg	7.2	5/1/2002	MB	SW846 8081A
delta-BHC	Below det lim	ug/Kg	7.2	5/1/2002	MB	SW846 8081A
gamma-BHC (Lindane)	Below det lim	ug/Kg	7.2	5/1/2002	MB	SW846 8081A
Chlordane	Below det lim	ug/Kg	30	5/1/2002	MB	SW846 8081A
4,4'-DDD	Below det lim	ug/Kg	7.2	5/1/2002	MB	SW846 8081A
4,4'-DDE	Below det lim	ug/Kg	7.2	5/1/2002	MB	SW846 8081A
4,4'-DDT	Below det lim	ug/Kg	7.2	5/1/2002	MB	SW846 8081A
Dieldrin	Below det lim	ug/Kg	7.2	5/1/2002	MB	SW846 8081A
Endosulfan I	Below det lim	ug/Kg	7.2	5/1/2002	MB	SW846 8081A
Endosulfan II	Below det lim	ug/Kg	7.2	5/1/2002	MB	SW846 8081A
Endosulfan sulfate	Below det lim	ug/Kg	7.2	5/1/2002	MB	SW846 8081A

Lab ID No: AD11631
Client Id: S-4

Collection Date: 4/23/2002
Matrix Soil

Parameter	Results	Units	PQL	Start Date	Analyst	Method
Endrin	Below det lim	ug/Kg	7.2	5/1/2002	MB	SW846 8081A
Endrin aldehyde	Below det lim	ug/Kg	7.2	5/1/2002	MB	SW846 8081A
Heptachlor	Below det lim	ug/Kg	7.2	5/1/2002	MB	SW846 8081A
Methoxychlor	Below det lim	ug/Kg	10	5/1/2002	MB	SW846 8081A
Heptachlor epoxide	Below det lim	ug/Kg	7.2	5/1/2002	MB	SW846 8081A
Toxaphene	Below det lim	ug/Kg	70	5/1/2002	MB	SW846 8081A
Decachlorobiphenyl (%SR)	51	ug/Kg	0.	5/1/2002	MB	SW846 8081A
Polychlorinated Biphenyls by GC						
PCB-1016	Below det lim	ug/Kg	26	5/2/2002	MB	SW846 8082
PCB-1221	Below det lim	ug/Kg	26	5/2/2002	MB	SW846 8082
PCB-1232	Below det lim	ug/Kg	26	5/2/2002	MB	SW846 8082
PCB-1242	Below det lim	ug/Kg	26	5/2/2002	MB	SW846 8082
PCB-1248	Below det lim	ug/Kg	26	5/2/2002	MB	SW846 8082
PCB-1254	Below det lim	ug/Kg	26	5/2/2002	MB	SW846 8082
PCB-1260	Below det lim	ug/Kg	26	5/2/2002	MB	SW846 8082
Decachlorobiphenyl (%SR)	51	ug/Kg	0.00	5/2/2002	MB	SW846 8082
Herbicides						
Chlorinated Herbicides						
2,4-D	Below det lim	ug/Kg	100	5/1/2002	MP	SW846 8151A
2,4,5-T	Below det lim	ug/Kg	20	5/1/2002	MP	SW846 8151A
2,4,5-TP(Silvex)	Below det lim	ug/Kg	20	5/1/2002	MP	SW846 8151A
Dinoseb	Below det lim	ug/Kg	10	5/1/2002	MP	SW846 8151A
Dicamba	Below det lim	ug/Kg	30	5/1/2002	MP	SW846 8151A
Dalapon	Below det lim	ug/Kg	500	5/1/2002	MP	SW846 8151A
Dichlorprop	Below det lim	ug/Kg	100	5/1/2002	MP	SW846 8151A
2,4-DB	Below det lim	ug/Kg	100	5/1/2002	MP	SW846 8151A
4,4'-DB-Octafluorobiphenyl (SR)	109	ug/Kg		5/1/2002	MP	SW846 8151A
Metals Preparation						
Mercury Digestion	Completed			4/26/2002	LFR	EPA 245.1
Mercury Digestion on Leachate	Completed			5/1/2002	LK	EPA 245.1
Metals Digestion	Completed			4/26/2002	LFR	EPA 200.7
Metals Digestion on Leachate	Completed			5/1/2002	LK	EPA 200.7
Metals Analysis						
SPLP RCRA8 Metals						
SPLP Arsenic	Below det lim	mg/L	0.015	5/1/2002	KS	1312/200.7
SPLP Barium	0.0139	mg/L	0.005	5/1/2002	KS	1312/200.7
SPLP Cadmium	Below det lim	mg/L	0.0025	5/1/2002	KS	1312/200.7
SPLP Chromium	Below det lim	mg/L	0.005	5/1/2002	KS	1312/200.7
SPLP Lead	0.0265	mg/L	0.0075	5/1/2002	KS	1312/200.7
SPLP Selenium	Below det lim	mg/L	0.015	5/1/2002	KS	1312/200.7
SPLP Silver	Below det lim	mg/L	0.010	5/1/2002	KS	1312/200.7

Lab ID No: AD11631
Client Id: S-4

Collection Date: 4/23/2002
Matrix Soil

Parameter	Results	Units	PQL	Start Date	Analyst	Method
SPLP Mercury	Below det lim	mg/L	0.0004	5/1/2002	EPR	1312/245.1
Total RCRA8 Metals						
Total Arsenic	Below det lim	mg/Kg	3.62	4/30/2002	KSR	EPA 200.7
Total Barium	69.7	mg/Kg	1.21	4/30/2002	KSR	EPA 200.7
Total Cadmium	1.56	mg/Kg	0.604	4/30/2002	KSR	EPA 200.7
Total Chromium	27.5	mg/Kg	1.21	4/30/2002	KSR	EPA 200.7
Total Lead	409	mg/Kg	1.81	4/30/2002	KSR	EPA 200.7
Total Selenium	Below det lim	mg/Kg	7.01	4/30/2002	KSR	EPA 200.7
Total Silver	Below det lim	mg/Kg	2.42	4/30/2002	KSR	EPA 200.7
Total Mercury	Below det lim	mg/Kg	0.234	4/30/2002	EPR	EPA 245.1
TCLP/SPLP Preparation						
SPLP Extraction for Metals	Completed			4/29/2002	HB	SW846 1312
% Solids	71.9	%		4/30/2002	AAS	SM2540 B Mod

APPENDIX B
Ballast Sample Laboratory Reports

Lab ID No: AD11632
Client Id: B-1

Collection Date: 4/23/2002
Matrix Ballast

Parameter	Results	Units	PQL	Start Date	Analyst	Method
VOC Preparation						
VOC Extraction (solid)	Lab ext			4/29/2002	AS	SW846 5035
Volatile Organic Compounds						
VOCs by GC/MS						
Acetone	Below det lim	ug/Kg	196	4/30/2002	RLJ	SW846 8260B
Acrylonitrile	Below det lim	ug/Kg	9.80	4/30/2002	RLJ	SW846 8260B
Benzene	Below det lim	ug/Kg	9.80	4/30/2002	RLJ	SW846 8260B
Bromobenzene	Below det lim	ug/Kg	9.80	4/30/2002	RLJ	SW846 8260B
Bromochloromethane	Below det lim	ug/Kg	9.80	4/30/2002	RLJ	SW846 8260B
Bromodichloromethane	Below det lim	ug/Kg	9.80	4/30/2002	RLJ	SW846 8260B
Bromoform	Below det lim	ug/Kg	9.80	4/30/2002	RLJ	SW846 8260B
Bromomethane	Below det lim	ug/Kg	19.6	4/30/2002	RLJ	SW846 8260B
2-Butanone (MEK)	Below det lim	ug/Kg	98.0	4/30/2002	RLJ	SW846 8260B
n-Butylbenzene	Below det lim	ug/Kg	9.80	4/30/2002	RLJ	SW846 8260B
sec-Butylbenzene	Below det lim	ug/Kg	9.80	4/30/2002	RLJ	SW846 8260B
tert-Butylbenzene	Below det lim	ug/Kg	9.80	4/30/2002	RLJ	SW846 8260B
Carbon disulfide	Below det lim	ug/Kg	49.0	4/30/2002	RLJ	SW846 8260B
Carbon tetrachloride	Below det lim	ug/Kg	9.80	4/30/2002	RLJ	SW846 8260B
Chlorobenzene	Below det lim	ug/Kg	9.80	4/30/2002	RLJ	SW846 8260B
Chloroethane	Below det lim	ug/Kg	19.6	4/30/2002	RLJ	SW846 8260B
Chloroform	Below det lim	ug/Kg	9.80	4/30/2002	RLJ	SW846 8260B
Chloromethane	Below det lim	ug/Kg	19.6	4/30/2002	RLJ	SW846 8260B
2-Chlorotoluene	Below det lim	ug/Kg	9.80	4/30/2002	RLJ	SW846 8260B
4-Chlorotoluene	Below det lim	ug/Kg	9.80	4/30/2002	RLJ	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	Below det lim	ug/Kg	19.6	4/30/2002	RLJ	SW846 8260B
Dibromochloromethane	Below det lim	ug/Kg	9.80	4/30/2002	RLJ	SW846 8260B
1,2-Dibromoethane (EDB)	Below det lim	ug/Kg	9.80	4/30/2002	RLJ	SW846 8260B
Dibromomethane	Below det lim	ug/Kg	9.80	4/30/2002	RLJ	SW846 8260B
1,2-Dichlorobenzene	Below det lim	ug/Kg	9.80	4/30/2002	RLJ	SW846 8260B
1,3-Dichlorobenzene	Below det lim	ug/Kg	9.80	4/30/2002	RLJ	SW846 8260B
1,4-Dichlorobenzene	Below det lim	ug/Kg	9.80	4/30/2002	RLJ	SW846 8260B
Dichlorodifluoromethane	Below det lim	ug/Kg	19.6	4/30/2002	RLJ	SW846 8260B
1,1-Dichloroethane	Below det lim	ug/Kg	9.80	4/30/2002	RLJ	SW846 8260B
1,2-Dichloroethane	Below det lim	ug/Kg	9.80	4/30/2002	RLJ	SW846 8260B
1,1-Dichloroethene	Below det lim	ug/Kg	9.80	4/30/2002	RLJ	SW846 8260B
cis-1,2-Dichloroethene	Below det lim	ug/Kg	9.80	4/30/2002	RLJ	SW846 8260B
trans-1,2-Dichloroethene	Below det lim	ug/Kg	9.80	4/30/2002	RLJ	SW846 8260B
1,2-Dichloropropane	Below det lim	ug/Kg	9.80	4/30/2002	RLJ	SW846 8260B
1,3-Dichloropropane	Below det lim	ug/Kg	9.80	4/30/2002	RLJ	SW846 8260B
2,2-Dichloropropane	Below det lim	ug/Kg	9.80	4/30/2002	RLJ	SW846 8260B
1,1-Dichloropropene	Below det lim	ug/Kg	9.80	4/30/2002	RLJ	SW846 8260B
cis-1,3-Dichloropropene	Below det lim	ug/Kg	9.80	4/30/2002	RLJ	SW846 8260B

Lab ID No: AD11632 **Collection Date:** 4/23/2002
Client Id: B-1 **Matrix** Ballast

Parameter	Results	Units	PQL	Start Date	Analyst	Method
trans-1,3-Dichloropropene	Below det lim	ug/Kg	9.80	4/30/2002	RLJ	SW846 8260B
Ethylbenzene	Below det lim	ug/Kg	9.80	4/30/2002	RLJ	SW846 8260B
Hexachlorobutadiene	Below det lim	ug/Kg	9.80	4/30/2002	RLJ	SW846 8260B
2-Hexanone (MBK)	Below det lim	ug/Kg	98.0	4/30/2002	RLJ	SW846 8260B
Isopropylbenzene	Below det lim	ug/Kg	9.80	4/30/2002	RLJ	SW846 8260B
4-Isopropyltoluene	Below det lim	ug/Kg	9.80	4/30/2002	RLJ	SW846 8260B
Methyl-tert-butyl ether (MTBE)	Below det lim	ug/Kg	9.80	4/30/2002	RLJ	SW846 8260B
4-Methyl-2-pentanone (MIBK)	Below det lim	ug/Kg	98.0	4/30/2002	RLJ	SW846 8260B
Methylene chloride	Below det lim	ug/Kg	20.0	4/30/2002	RLJ	SW846 8260B
Naphthalene	Below det lim	ug/Kg	9.80	4/30/2002	RLJ	SW846 8260B
n-Propylbenzene	Below det lim	ug/Kg	9.80	4/30/2002	RLJ	SW846 8260B
Styrene	Below det lim	ug/Kg	9.80	4/30/2002	RLJ	SW846 8260B
1,1,1,2-Tetrachloroethane	Below det lim	ug/Kg	9.80	4/30/2002	RLJ	SW846 8260B
1,1,2,2-Tetrachloroethane	Below det lim	ug/Kg	9.80	4/30/2002	RLJ	SW846 8260B
Tetrachloroethene (PCE)	Below det lim	ug/Kg	9.80	4/30/2002	RLJ	SW846 8260B
Toluene	Below det lim	ug/Kg	9.80	4/30/2002	RLJ	SW846 8260B
1,2,3-Trichlorobenzene	Below det lim	ug/Kg	9.80	4/30/2002	RLJ	SW846 8260B
1,2,4-Trichlorobenzene	Below det lim	ug/Kg	9.80	4/30/2002	RLJ	SW846 8260B
1,1,1-Trichloroethane	Below det lim	ug/Kg	9.80	4/30/2002	RLJ	SW846 8260B
1,1,2-Trichloroethane	Below det lim	ug/Kg	9.80	4/30/2002	RLJ	SW846 8260B
Trichloroethene (TCE)	Below det lim	ug/Kg	9.80	4/30/2002	RLJ	SW846 8260B
Trichlorofluoromethane	Below det lim	ug/Kg	9.80	4/30/2002	RLJ	SW846 8260B
1,2,3-Trichloropropane	Below det lim	ug/Kg	9.80	4/30/2002	RLJ	SW846 8260B
1,2,4-Trimethylbenzene	Below det lim	ug/Kg	9.80	4/30/2002	RLJ	SW846 8260B
1,3,5-Trimethylbenzene	Below det lim	ug/Kg	9.80	4/30/2002	RLJ	SW846 8260B
Vinyl chloride	Below det lim	ug/Kg	9.80	4/30/2002	RLJ	SW846 8260B
m,p-Xylenes	Below det lim	ug/Kg	19.6	4/30/2002	RLJ	SW846 8260B
o-Xylene	Below det lim	ug/Kg	9.80	4/30/2002	RLJ	SW846 8260B
4-Bromofluorobenzene (%SR)	109	ug/Kg	0.000	4/30/2002	RLJ	SW846 8260B
1,4-Difluorobenzene (%SR)	109	ug/Kg	0.000	4/30/2002	RLJ	SW846 8260B
Chlorobenzene-d5 (%SR)	115	ug/Kg	0.000	4/30/2002	RLJ	SW846 8260B
TPH Preparation						
Ultrasonic Extraction	Completed			4/29/2002	RT	SW846 3550B
Petroleum Hydrocarbon Analysis						
Extractable TPH						
Total Petroleum Hydrocarbons (C9-C36)	Below det lim	mg/Kg	10	4/30/2002	JD	CT ETPH
Gasoline	Below det lim	mg/Kg	10	4/30/2002	JD	CT ETPH
Fuel Oil #2	Below det lim	mg/Kg	10	4/30/2002	JD	CT ETPH
Fuel Oil #4	Below det lim	mg/Kg	10	4/30/2002	JD	CT ETPH
Fuel Oil #6	Below det lim	mg/Kg	10	4/30/2002	JD	CT ETPH
Motor Oil	Below det lim	mg/Kg	10	4/30/2002	JD	CT ETPH
Aviation Fuel	Below det lim	mg/Kg	10	4/30/2002	JD	CT ETPH

Lab ID No: AD11632 **Collection Date:** 4/23/2002
Client Id: B-1 **Matrix** Ballast

Parameter	Results	Units	PQL	Start Date	Analyst	Method
Unidentified	Below det lim	mg/Kg	10	4/30/2002	JD	CT ETPH
Other Oil	Below det lim	mg/Kg	10	4/30/2002	JD	CT ETPH
1-Chloro-octadecane (%SR)	79	mg/Kg	0.	4/30/2002	JD	CT ETPH
SVOC Preparation						
Ultrasonic Extraction	Completed			4/29/2002	RT	SW846 3550B
Semivolatile Organic Compounds						
PAHs by GC/MS						
Naphthalene	Below det lim	ug/Kg	109	4/30/2002	MSL	SW846 8270C
2-Methylnaphthalene	Below det lim	ug/Kg	109	4/30/2002	MSL	SW846 8270C
1-Methylnaphthalene	Below det lim	ug/Kg	109	4/30/2002	MSL	SW846 8270C
Acenaphthylene	Below det lim	ug/Kg	109	4/30/2002	MSL	SW846 8270C
Acenaphthene	Below det lim	ug/Kg	109	4/30/2002	MSL	SW846 8270C
Fluorene	Below det lim	ug/Kg	109	4/30/2002	MSL	SW846 8270C
Phenanthrene	Below det lim	ug/Kg	109	4/30/2002	MSL	SW846 8270C
Anthracene	Below det lim	ug/Kg	109	4/30/2002	MSL	SW846 8270C
Fluoranthene	Below det lim	ug/Kg	109	4/30/2002	MSL	SW846 8270C
Pyrene	Below det lim	ug/Kg	109	4/30/2002	MSL	SW846 8270C
Benzo (a) anthracene	Below det lim	ug/Kg	109	4/30/2002	MSL	SW846 8270C
Chrysene	Below det lim	ug/Kg	109	4/30/2002	MSL	SW846 8270C
Benzo (b) fluoranthene	Below det lim	ug/Kg	109	4/30/2002	MSL	SW846 8270C
Benzo (k) fluoranthene	Below det lim	ug/Kg	109	4/30/2002	MSL	SW846 8270C
Benzo (a) pyrene	Below det lim	ug/Kg	109	4/30/2002	MSL	SW846 8270C
Indeno (1,2,3-cd) pyrene	Below det lim	ug/Kg	109	4/30/2002	MSL	SW846 8270C
Dibenzo (a,h) anthracene	Below det lim	ug/Kg	109	4/30/2002	MSL	SW846 8270C
Benzo (g,h,i) perylene	Below det lim	ug/Kg	109	4/30/2002	MSL	SW846 8270C
2-Fluorobiphenyl (%SR)	43	ug/Kg	0.000	4/30/2002	MSL	SW846 8270C
Terphenyl-d14 (%SR)	42	ug/Kg	0.000	4/30/2002	MSL	SW846 8270C
Semivolatile Organic Compounds						
Organochlorine Pesticides by GC						
Aldrin	Below det lim	ug/Kg	6.3	4/30/2002	MP	SW846 8081A
alpha-BHC	Below det lim	ug/Kg	6.3	4/30/2002	MP	SW846 8081A
beta-BHC	Below det lim	ug/Kg	6.3	4/30/2002	MP	SW846 8081A
delta-BHC	Below det lim	ug/Kg	6.3	4/30/2002	MP	SW846 8081A
gamma-BHC (Lindane)	Below det lim	ug/Kg	6.3	4/30/2002	MP	SW846 8081A
Chlordane	Below det lim	ug/Kg	30	4/30/2002	MP	SW846 8081A
4,4'-DDD	Below det lim	ug/Kg	6.3	4/30/2002	MP	SW846 8081A
4,4'-DDE	Below det lim	ug/Kg	6.3	4/30/2002	MP	SW846 8081A
4,4'-DDT	Below det lim	ug/Kg	6.3	4/30/2002	MP	SW846 8081A
Dieldrin	Below det lim	ug/Kg	6.3	4/30/2002	MP	SW846 8081A
Endosulfan I	Below det lim	ug/Kg	6.3	4/30/2002	MP	SW846 8081A
Endosulfan II	Below det lim	ug/Kg	6.3	4/30/2002	MP	SW846 8081A
Endosulfan sulfate	Below det lim	ug/Kg	6.3	4/30/2002	MP	SW846 8081A

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Parameter	Results	Units	PQL	Start Date	Analyst	Method
Endrin	Below det lim	ug/Kg	6.3	4/30/2002	MP	SW846 8081A
Endrin aldehyde	Below det lim	ug/Kg	6.3	4/30/2002	MP	SW846 8081A
Heptachlor	Below det lim	ug/Kg	6.3	4/30/2002	MP	SW846 8081A
Methoxychlor	Below det lim	ug/Kg	10	4/30/2002	MP	SW846 8081A
Heptachlor epoxide	Below det lim	ug/Kg	6.3	4/30/2002	MP	SW846 8081A
Toxaphene	Below det lim	ug/Kg	60	4/30/2002	MP	SW846 8081A
Decachlorobiphenyl (%SR)	66	ug/Kg	0.	4/30/2002	MP	SW846 8081A
Polychlorinated Biphenyls by GC						
PCB-1016	Below det lim	ug/Kg	25	4/30/2002	MP	SW846 8082
PCB-1221	Below det lim	ug/Kg	25	4/30/2002	MP	SW846 8082
PCB-1232	Below det lim	ug/Kg	25	4/30/2002	MP	SW846 8082
PCB-1242	Below det lim	ug/Kg	25	4/30/2002	MP	SW846 8082
PCB-1248	Below det lim	ug/Kg	25	4/30/2002	MP	SW846 8082
PCB-1254	Below det lim	ug/Kg	25	4/30/2002	MP	SW846 8082
PCB-1260	Below det lim	ug/Kg	25	4/30/2002	MP	SW846 8082
Decachlorobiphenyl (%SR)	66	ug/Kg	0.00	4/30/2002	MP	SW846 8082
Herbicides						
Chlorinated Herbicides						
2,4-D	Below det lim	ug/Kg	100	5/1/2002	MP	SW846 8151A
2,4,5-T	Below det lim	ug/Kg	20	5/1/2002	MP	SW846 8151A
2,4,5-TP(Silvex)	Below det lim	ug/Kg	20	5/1/2002	MP	SW846 8151A
Dinoseb	Below det lim	ug/Kg	10	5/1/2002	MP	SW846 8151A
Dicamba	Below det lim	ug/Kg	30	5/1/2002	MP	SW846 8151A
Dalapon	Below det lim	ug/Kg	500	5/1/2002	MP	SW846 8151A
Dichlorprop	Below det lim	ug/Kg	100	5/1/2002	MP	SW846 8151A
2,4-DB	Below det lim	ug/Kg	100	5/1/2002	MP	SW846 8151A
4,4'-DB-Octafluorobiphenyl (SR)	108	ug/Kg		5/1/2002	MP	SW846 8151A
Metals Preparation						
Mercury Digestion	Completed			4/26/2002	LFR	EPA 245.1
Mercury Digestion on Leachate	Completed			5/1/2002	LK	EPA 245.1
Metals Digestion	Completed			4/26/2002	LFR	EPA 200.7
Metals Digestion on Leachate	Completed			5/1/2002	LK	EPA 200.7
Metals Analysis						
SPLP RCRA8 Metals						
SPLP Arsenic	Below det lim	mg/L	0.015	5/1/2002	KS	1312/200.7
SPLP Barium	0.0232	mg/L	0.005	5/1/2002	KS	1312/200.7
SPLP Cadmium	Below det lim	mg/L	0.0025	5/1/2002	KS	1312/200.7
SPLP Chromium	Below det lim	mg/L	0.005	5/1/2002	KS	1312/200.7
SPLP Lead	Below det lim	mg/L	0.0075	5/1/2002	KS	1312/200.7
SPLP Selenium	Below det lim	mg/L	0.015	5/1/2002	KS	1312/200.7
SPLP Silver	Below det lim	mg/L	0.010	5/1/2002	KS	1312/200.7

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Parameter	Results	Units	PQL	Start Date	Analyst	Method
SPLP Mercury	Below det lim	mg/L	0.0004	5/1/2002	EPR	1312/245.1
Total RCRA8 Metals						
Total Arsenic	Below det lim	mg/Kg	2.82	4/30/2002	KSR	EPA 200.7
Total Barium	31.7	mg/Kg	0.940	4/30/2002	KSR	EPA 200.7
Total Cadmium	1.15	mg/Kg	0.470	4/30/2002	KSR	EPA 200.7
Total Chromium	6.83	mg/Kg	0.940	4/30/2002	KSR	EPA 200.7
Total Lead	11.9	mg/Kg	1.41	4/30/2002	KSR	EPA 200.7
Total Selenium	Below det lim	mg/Kg	5.57	4/30/2002	KSR	EPA 200.7
Total Silver	Below det lim	mg/Kg	1.88	4/30/2002	KSR	EPA 200.7
Total Mercury	Below det lim	mg/Kg	0.160	4/30/2002	EPR	EPA 245.1
TCLP/SPLP Preparation						
SPLP Extraction for Metals	Completed			4/29/2002	HB	SW846 1312

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Client Id: B-2

Collection Date: 4/23/2002
Matrix Ballast

Parameter	Results	Units	PQL	Start Date	Analyst	Method
VOC Preparation						
VOC Extraction (solid)	Lab ext			4/29/2002	AS	SW846 5035
Volatile Organic Compounds						
VOCs by GC/MS						
Acetone	Below det lim	ug/Kg	220	4/30/2002	RLJ	SW846 8260B
Acrylonitrile	Below det lim	ug/Kg	11.0	4/30/2002	RLJ	SW846 8260B
Benzene	Below det lim	ug/Kg	11.0	4/30/2002	RLJ	SW846 8260B
Bromobenzene	Below det lim	ug/Kg	11.0	4/30/2002	RLJ	SW846 8260B
Bromochloromethane	Below det lim	ug/Kg	11.0	4/30/2002	RLJ	SW846 8260B
Bromodichloromethane	Below det lim	ug/Kg	11.0	4/30/2002	RLJ	SW846 8260B
Bromoform	Below det lim	ug/Kg	11.0	4/30/2002	RLJ	SW846 8260B
Bromomethane	Below det lim	ug/Kg	22.0	4/30/2002	RLJ	SW846 8260B
2-Butanone (MEK)	Below det lim	ug/Kg	110	4/30/2002	RLJ	SW846 8260B
n-Butylbenzene	Below det lim	ug/Kg	11.0	4/30/2002	RLJ	SW846 8260B
sec-Butylbenzene	Below det lim	ug/Kg	11.0	4/30/2002	RLJ	SW846 8260B
tert-Butylbenzene	Below det lim	ug/Kg	11.0	4/30/2002	RLJ	SW846 8260B
Carbon disulfide	Below det lim	ug/Kg	55.0	4/30/2002	RLJ	SW846 8260B
Carbon tetrachloride	Below det lim	ug/Kg	11.0	4/30/2002	RLJ	SW846 8260B
Chlorobenzene	Below det lim	ug/Kg	11.0	4/30/2002	RLJ	SW846 8260B
Chloroethane	Below det lim	ug/Kg	22.0	4/30/2002	RLJ	SW846 8260B
Chloroform	Below det lim	ug/Kg	11.0	4/30/2002	RLJ	SW846 8260B
Chloromethane	Below det lim	ug/Kg	22.0	4/30/2002	RLJ	SW846 8260B
2-Chlorotoluene	Below det lim	ug/Kg	11.0	4/30/2002	RLJ	SW846 8260B
4-Chlorotoluene	Below det lim	ug/Kg	11.0	4/30/2002	RLJ	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	Below det lim	ug/Kg	22.0	4/30/2002	RLJ	SW846 8260B
Dibromochloromethane	Below det lim	ug/Kg	11.0	4/30/2002	RLJ	SW846 8260B
1,2-Dibromoethane (EDB)	Below det lim	ug/Kg	11.0	4/30/2002	RLJ	SW846 8260B
Dibromomethane	Below det lim	ug/Kg	11.0	4/30/2002	RLJ	SW846 8260B
1,2-Dichlorobenzene	Below det lim	ug/Kg	11.0	4/30/2002	RLJ	SW846 8260B
1,3-Dichlorobenzene	Below det lim	ug/Kg	11.0	4/30/2002	RLJ	SW846 8260B
1,4-Dichlorobenzene	Below det lim	ug/Kg	11.0	4/30/2002	RLJ	SW846 8260B
Dichlorodifluoromethane	Below det lim	ug/Kg	22.0	4/30/2002	RLJ	SW846 8260B
1,1-Dichloroethane	Below det lim	ug/Kg	11.0	4/30/2002	RLJ	SW846 8260B
1,2-Dichloroethane	Below det lim	ug/Kg	11.0	4/30/2002	RLJ	SW846 8260B
1,1-Dichloroethene	Below det lim	ug/Kg	11.0	4/30/2002	RLJ	SW846 8260B
cis-1,2-Dichloroethene	Below det lim	ug/Kg	11.0	4/30/2002	RLJ	SW846 8260B
trans-1,2-Dichloroethene	Below det lim	ug/Kg	11.0	4/30/2002	RLJ	SW846 8260B
1,2-Dichloropropane	Below det lim	ug/Kg	11.0	4/30/2002	RLJ	SW846 8260B
1,3-Dichloropropane	Below det lim	ug/Kg	11.0	4/30/2002	RLJ	SW846 8260B
2,2-Dichloropropane	Below det lim	ug/Kg	11.0	4/30/2002	RLJ	SW846 8260B
1,1-Dichloropropene	Below det lim	ug/Kg	11.0	4/30/2002	RLJ	SW846 8260B
cis-1,3-Dichloropropene	Below det lim	ug/Kg	11.0	4/30/2002	RLJ	SW846 8260B

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Parameter	Results	Units	PQL	Start Date	Analyst	Method
trans-1,3-Dichloropropene	Below det lim	ug/Kg	11.0	4/30/2002	RLJ	SW846 8260B
Ethylbenzene	Below det lim	ug/Kg	11.0	4/30/2002	RLJ	SW846 8260B
Hexachlorobutadiene	Below det lim	ug/Kg	11.0	4/30/2002	RLJ	SW846 8260B
2-Hexanone (MBK)	Below det lim	ug/Kg	110	4/30/2002	RLJ	SW846 8260B
Isopropylbenzene	Below det lim	ug/Kg	11.0	4/30/2002	RLJ	SW846 8260B
4-Isopropyltoluene	Below det lim	ug/Kg	11.0	4/30/2002	RLJ	SW846 8260B
Methyl-tert-butyl ether (MTBE)	Below det lim	ug/Kg	11.0	4/30/2002	RLJ	SW846 8260B
4-Methyl-2-pentanone (MIBK)	Below det lim	ug/Kg	110	4/30/2002	RLJ	SW846 8260B
Methylene chloride	Below det lim	ug/Kg	25.0	4/30/2002	RLJ	SW846 8260B
Naphthalene	150	ug/Kg	11.0	4/30/2002	RLJ	SW846 8260B
n-Propylbenzene	Below det lim	ug/Kg	11.0	4/30/2002	RLJ	SW846 8260B
Styrene	Below det lim	ug/Kg	11.0	4/30/2002	RLJ	SW846 8260B
1,1,1,2-Tetrachloroethane	Below det lim	ug/Kg	11.0	4/30/2002	RLJ	SW846 8260B
1,1,2,2-Tetrachloroethane	Below det lim	ug/Kg	11.0	4/30/2002	RLJ	SW846 8260B
Tetrachloroethene (PCE)	Below det lim	ug/Kg	11.0	4/30/2002	RLJ	SW846 8260B
Toluene	Below det lim	ug/Kg	11.0	4/30/2002	RLJ	SW846 8260B
1,2,3-Trichlorobenzene	Below det lim	ug/Kg	11.0	4/30/2002	RLJ	SW846 8260B
1,2,4-Trichlorobenzene	Below det lim	ug/Kg	11.0	4/30/2002	RLJ	SW846 8260B
1,1,1-Trichloroethane	Below det lim	ug/Kg	11.0	4/30/2002	RLJ	SW846 8260B
1,1,2-Trichloroethane	Below det lim	ug/Kg	11.0	4/30/2002	RLJ	SW846 8260B
Trichloroethene (TCE)	Below det lim	ug/Kg	11.0	4/30/2002	RLJ	SW846 8260B
Trichlorofluoromethane	Below det lim	ug/Kg	11.0	4/30/2002	RLJ	SW846 8260B
1,2,3-Trichloropropane	Below det lim	ug/Kg	11.0	4/30/2002	RLJ	SW846 8260B
1,2,4-Trimethylbenzene	Below det lim	ug/Kg	11.0	4/30/2002	RLJ	SW846 8260B
1,3,5-Trimethylbenzene	Below det lim	ug/Kg	11.0	4/30/2002	RLJ	SW846 8260B
Vinyl chloride	Below det lim	ug/Kg	11.0	4/30/2002	RLJ	SW846 8260B
m,p-Xylenes	Below det lim	ug/Kg	22.0	4/30/2002	RLJ	SW846 8260B
o-Xylene	Below det lim	ug/Kg	11.0	4/30/2002	RLJ	SW846 8260B
4-Bromofluorobenzene (%SR)	110	ug/Kg	0.000	4/30/2002	RLJ	SW846 8260B
1,4-Difluorobenzene (%SR)	108	ug/Kg	0.000	4/30/2002	RLJ	SW846 8260B
Chlorobenzene-d5 (%SR)	116	ug/Kg	0.000	4/30/2002	RLJ	SW846 8260B
TPH Preparation						
Ultrasonic Extraction	Completed			4/29/2002	RT	SW846 3550B
Petroleum Hydrocarbon Analysis						
Extractable TPH						
Total Petroleum Hydrocarbons (C9-C36)	51	mg/Kg	8	4/30/2002	JD	CT ETPH
Gasoline	Below det lim	mg/Kg	8	4/30/2002	JD	CT ETPH
Fuel Oil #2	Below det lim	mg/Kg	8	4/30/2002	JD	CT ETPH
Fuel Oil #4	Below det lim	mg/Kg	8	4/30/2002	JD	CT ETPH
Fuel Oil #6	Below det lim	mg/Kg	8	4/30/2002	JD	CT ETPH
Motor Oil	Below det lim	mg/Kg	8	4/30/2002	JD	CT ETPH
Aviation Fuel	Below det lim	mg/Kg	8	4/30/2002	JD	CT ETPH

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Parameter	Results	Units	PQL	Start Date	Analyst	Method
Unidentified	51	mg/Kg	8	4/30/2002	JD	CT ETPH
Other Oil	*	mg/Kg	8	4/30/2002	JD	CT ETPH
1-Chloro-octadecane (%SR)	86	mg/Kg	0.	4/30/2002	JD	CT ETPH
SVOC Preparation						
Ultrasonic Extraction	Completed			4/29/2002	RT	SW846 3550B
Semivolatile Organic Compounds						
PAHs by GC/MS						
Naphthalene	Below det lim	ug/Kg	76.0	4/30/2002	MSL	SW846 8270C
2-Methylnaphthalene	Below det lim	ug/Kg	76.0	4/30/2002	MSL	SW846 8270C
1-Methylnaphthalene	Below det lim	ug/Kg	76.0	4/30/2002	MSL	SW846 8270C
Acenaphthylene	Below det lim	ug/Kg	76.0	4/30/2002	MSL	SW846 8270C
Acenaphthene	380	ug/Kg	76.0	4/30/2002	MSL	SW846 8270C
Fluorene	380	ug/Kg	76.0	4/30/2002	MSL	SW846 8270C
Phenanthrene	1,900	ug/Kg	76.0	4/30/2002	MSL	SW846 8270C
Anthracene	640	ug/Kg	76.0	4/30/2002	MSL	SW846 8270C
Fluoranthene	1,200	ug/Kg	76.0	4/30/2002	MSL	SW846 8270C
Pyrene	850	ug/Kg	76.0	4/30/2002	MSL	SW846 8270C
Benzo (a) anthracene	240	ug/Kg	76.0	4/30/2002	MSL	SW846 8270C
Chrysene	320	ug/Kg	76.0	4/30/2002	MSL	SW846 8270C
Benzo (b) fluoranthene	210	ug/Kg	76.0	4/30/2002	MSL	SW846 8270C
Benzo (k) fluoranthene	120	ug/Kg	76.0	4/30/2002	MSL	SW846 8270C
Benzo (a) pyrene	100	ug/Kg	76.0	4/30/2002	MSL	SW846 8270C
Indeno (1,2,3-cd) pyrene	Below det lim	ug/Kg	76.0	4/30/2002	MSL	SW846 8270C
Dibenzo (a,h) anthracene	Below det lim	ug/Kg	76.0	4/30/2002	MSL	SW846 8270C
Benzo (g,h,i) perylene	Below det lim	ug/Kg	76.0	4/30/2002	MSL	SW846 8270C
2-Fluorobiphenyl (%SR)	41	ug/Kg	0.000	4/30/2002	MSL	SW846 8270C
Terphenyl-d14 (%SR)	40	ug/Kg	0.000	4/30/2002	MSL	SW846 8270C
Semivolatile Organic Compounds						
Organochlorine Pesticides by GC						
Aldrin	Below det lim	ug/Kg	6.7	4/30/2002	MP	SW846 8081A
alpha-BHC	Below det lim	ug/Kg	6.7	4/30/2002	MP	SW846 8081A
beta-BHC	Below det lim	ug/Kg	6.7	4/30/2002	MP	SW846 8081A
delta-BHC	Below det lim	ug/Kg	6.7	4/30/2002	MP	SW846 8081A
gamma-BHC (Lindane)	Below det lim	ug/Kg	6.7	4/30/2002	MP	SW846 8081A
Chlordane	Below det lim	ug/Kg	30	4/30/2002	MP	SW846 8081A
4,4'-DDD	Below det lim	ug/Kg	6.7	4/30/2002	MP	SW846 8081A
4,4'-DDE	Below det lim	ug/Kg	6.7	4/30/2002	MP	SW846 8081A
4,4'-DDT	Below det lim	ug/Kg	6.7	4/30/2002	MP	SW846 8081A
Dieldrin	Below det lim	ug/Kg	6.7	4/30/2002	MP	SW846 8081A
Endosulfan I	Below det lim	ug/Kg	6.7	4/30/2002	MP	SW846 8081A
Endosulfan II	Below det lim	ug/Kg	6.7	4/30/2002	MP	SW846 8081A
Endosulfan sulfate	Below det lim	ug/Kg	6.7	4/30/2002	MP	SW846 8081A

Parameter	Results	Units	PQL	Start Date	Analyst	Method
Endrin	Below det lim	ug/Kg	6.7	4/30/2002	MP	SW846 8081A
Endrin aldehyde	Below det lim	ug/Kg	6.7	4/30/2002	MP	SW846 8081A
Heptachlor	Below det lim	ug/Kg	6.7	4/30/2002	MP	SW846 8081A
Methoxychlor	Below det lim	ug/Kg	10	4/30/2002	MP	SW846 8081A
Heptachlor epoxide	Below det lim	ug/Kg	6.7	4/30/2002	MP	SW846 8081A
Toxaphene	Below det lim	ug/Kg	70	4/30/2002	MP	SW846 8081A
Decachlorobiphenyl (%SR)	85	ug/Kg	0.	4/30/2002	MP	SW846 8081A
Polychlorinated Biphenyls by GC						
PCB-1016	Below det lim	ug/Kg	27	4/30/2002	MP	SW846 8082
PCB-1221	Below det lim	ug/Kg	27	4/30/2002	MP	SW846 8082
PCB-1232	Below det lim	ug/Kg	27	4/30/2002	MP	SW846 8082
PCB-1242	Below det lim	ug/Kg	27	4/30/2002	MP	SW846 8082
PCB-1248	Below det lim	ug/Kg	27	4/30/2002	MP	SW846 8082
PCB-1254	Below det lim	ug/Kg	27	4/30/2002	MP	SW846 8082
PCB-1260	Below det lim	ug/Kg	27	4/30/2002	MP	SW846 8082
Decachlorobiphenyl (%SR)	85	ug/Kg	0.00	4/30/2002	MP	SW846 8082
Herbicides						
Chlorinated Herbicides						
2,4-D	Below det lim	ug/Kg	100	5/1/2002	MP	SW846 8151A
2,4,5-T	Below det lim	ug/Kg	20	5/1/2002	MP	SW846 8151A
2,4,5-TP(Silvex)	Below det lim	ug/Kg	20	5/1/2002	MP	SW846 8151A
Dinoseb	Below det lim	ug/Kg	10	5/1/2002	MP	SW846 8151A
Dicamba	Below det lim	ug/Kg	30	5/1/2002	MP	SW846 8151A
Dalapon	Below det lim	ug/Kg	500	5/1/2002	MP	SW846 8151A
Dichlorprop	Below det lim	ug/Kg	100	5/1/2002	MP	SW846 8151A
2,4-DB	Below det lim	ug/Kg	100	5/1/2002	MP	SW846 8151A
4,4'-DB-Octafluorobiphenyl (SR)	100	ug/Kg		5/1/2002	MP	SW846 8151A
Metals Preparation						
Mercury Digestion	Completed			4/26/2002	LFR	EPA 245.1
Mercury Digestion on Leachate	Completed			5/1/2002	LK	EPA 245.1
Metals Digestion	Completed			4/26/2002	LFR	EPA 200.7
Metals Digestion on Leachate	Completed			5/1/2002	LK	EPA 200.7
Metals Analysis						
SPLP RCRA8 Metals						
SPLP Arsenic	Below det lim	mg/L	0.015	5/1/2002	KS	1312/200.7
SPLP Barium	0.0226	mg/L	0.005	5/1/2002	KS	1312/200.7
SPLP Cadmium	Below det lim	mg/L	0.0025	5/1/2002	KS	1312/200.7
SPLP Chromium	Below det lim	mg/L	0.005	5/1/2002	KS	1312/200.7
SPLP Lead	Below det lim	mg/L	0.0075	5/1/2002	KS	1312/200.7
SPLP Selenium	Below det lim	mg/L	0.015	5/1/2002	KS	1312/200.7
SPLP Silver	Below det lim	mg/L	0.010	5/1/2002	KS	1312/200.7

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Collection Date: 4/23/2002
Matrix Ballast

Parameter	Results	Units	PQL	Start Date	Analyst	Method
SPLP Mercury	Below det lim	mg/L	0.0004	5/1/2002	EPR	1312/245.1
Total RCRA8 Metals						
Total Arsenic	Below det lim	mg/Kg	2.77	4/30/2002	KSR	EPA 200.7
Total Barium	20.6	mg/Kg	0.925	4/30/2002	KSR	EPA 200.7
Total Cadmium	0.481	mg/Kg	0.462	4/30/2002	KSR	EPA 200.7
Total Chromium	5.51	mg/Kg	0.925	4/30/2002	KSR	EPA 200.7
Total Lead	17.6	mg/Kg	1.39	4/30/2002	KSR	EPA 200.7
Total Selenium	Below det lim	mg/Kg	3.68	4/30/2002	KSR	EPA 200.7
Total Silver	Below det lim	mg/Kg	1.85	4/30/2002	KSR	EPA 200.7
Total Mercury	Below det lim	mg/Kg	0.177	5/1/2002	EPR	EPA 245.1
TCLP/SPLP Preparation						
SPLP Extraction for Metals	Completed			4/29/2002	HB	SW846 1312

Lab ID No: AD11634
Client Id: B-3

Collection Date: 4/23/2002
Matrix Ballast

Parameter	Results	Units	PQL	Start Date	Analyst	Method
VOC Preparation						
VOC Extraction (solid)	Lab ext			4/29/2002	AS	SW846 5035
Volatile Organic Compounds						
VOCs by GC/MS						
Acetone	Below det lim	ug/Kg	186	4/30/2002	RLJ	SW846 8260B
Acrylonitrile	Below det lim	ug/Kg	9.30	4/30/2002	RLJ	SW846 8260B
Benzene	Below det lim	ug/Kg	9.30	4/30/2002	RLJ	SW846 8260B
Bromobenzene	Below det lim	ug/Kg	9.30	4/30/2002	RLJ	SW846 8260B
Bromochloromethane	Below det lim	ug/Kg	9.30	4/30/2002	RLJ	SW846 8260B
Bromodichloromethane	Below det lim	ug/Kg	9.30	4/30/2002	RLJ	SW846 8260B
Bromoform	Below det lim	ug/Kg	9.30	4/30/2002	RLJ	SW846 8260B
Bromomethane	Below det lim	ug/Kg	18.6	4/30/2002	RLJ	SW846 8260B
2-Butanone (MEK)	Below det lim	ug/Kg	93.0	4/30/2002	RLJ	SW846 8260B
n-Butylbenzene	Below det lim	ug/Kg	9.30	4/30/2002	RLJ	SW846 8260B
sec-Butylbenzene	Below det lim	ug/Kg	9.30	4/30/2002	RLJ	SW846 8260B
tert-Butylbenzene	Below det lim	ug/Kg	9.30	4/30/2002	RLJ	SW846 8260B
Carbon disulfide	Below det lim	ug/Kg	46.5	4/30/2002	RLJ	SW846 8260B
Carbon tetrachloride	Below det lim	ug/Kg	9.30	4/30/2002	RLJ	SW846 8260B
Chlorobenzene	Below det lim	ug/Kg	9.30	4/30/2002	RLJ	SW846 8260B
Chloroethane	Below det lim	ug/Kg	18.6	4/30/2002	RLJ	SW846 8260B
Chloroform	Below det lim	ug/Kg	9.30	4/30/2002	RLJ	SW846 8260B
Chloromethane	Below det lim	ug/Kg	18.6	4/30/2002	RLJ	SW846 8260B
2-Chlorotoluene	Below det lim	ug/Kg	9.30	4/30/2002	RLJ	SW846 8260B
4-Chlorotoluene	Below det lim	ug/Kg	9.30	4/30/2002	RLJ	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	Below det lim	ug/Kg	18.6	4/30/2002	RLJ	SW846 8260B
Dibromochloromethane	Below det lim	ug/Kg	9.30	4/30/2002	RLJ	SW846 8260B
1,2-Dibromoethane (EDB)	Below det lim	ug/Kg	9.30	4/30/2002	RLJ	SW846 8260B
Dibromomethane	Below det lim	ug/Kg	9.30	4/30/2002	RLJ	SW846 8260B
1,2-Dichlorobenzene	Below det lim	ug/Kg	9.30	4/30/2002	RLJ	SW846 8260B
1,3-Dichlorobenzene	Below det lim	ug/Kg	9.30	4/30/2002	RLJ	SW846 8260B
1,4-Dichlorobenzene	Below det lim	ug/Kg	9.30	4/30/2002	RLJ	SW846 8260B
Dichlorodifluoromethane	Below det lim	ug/Kg	18.6	4/30/2002	RLJ	SW846 8260B
1,1-Dichloroethane	Below det lim	ug/Kg	9.30	4/30/2002	RLJ	SW846 8260B
1,2-Dichloroethane	Below det lim	ug/Kg	9.30	4/30/2002	RLJ	SW846 8260B
1,1-Dichloroethene	Below det lim	ug/Kg	9.30	4/30/2002	RLJ	SW846 8260B
cis-1,2-Dichloroethene	Below det lim	ug/Kg	9.30	4/30/2002	RLJ	SW846 8260B
trans-1,2-Dichloroethene	Below det lim	ug/Kg	9.30	4/30/2002	RLJ	SW846 8260B
1,2-Dichloropropane	Below det lim	ug/Kg	9.30	4/30/2002	RLJ	SW846 8260B
1,3-Dichloropropane	Below det lim	ug/Kg	9.30	4/30/2002	RLJ	SW846 8260B
2,2-Dichloropropane	Below det lim	ug/Kg	9.30	4/30/2002	RLJ	SW846 8260B
1,1-Dichloropropene	Below det lim	ug/Kg	9.30	4/30/2002	RLJ	SW846 8260B
cis-1,3-Dichloropropene	Below det lim	ug/Kg	9.30	4/30/2002	RLJ	SW846 8260B

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Parameter	Results	Units	PQL	Start Date	Analyst	Method
trans-1,3-Dichloropropene	Below det lim	ug/Kg	9.30	4/30/2002	RLJ	SW846 8260B
Ethylbenzene	Below det lim	ug/Kg	9.30	4/30/2002	RLJ	SW846 8260B
Hexachlorobutadiene	Below det lim	ug/Kg	9.30	4/30/2002	RLJ	SW846 8260B
2-Hexanone (MBK)	Below det lim	ug/Kg	93.0	4/30/2002	RLJ	SW846 8260B
Isopropylbenzene	Below det lim	ug/Kg	9.30	4/30/2002	RLJ	SW846 8260B
4-Isopropyltoluene	Below det lim	ug/Kg	9.30	4/30/2002	RLJ	SW846 8260B
Methyl-tert-butyl ether (MTBE)	Below det lim	ug/Kg	9.30	4/30/2002	RLJ	SW846 8260B
4-Methyl-2-pentanone (MIBK)	Below det lim	ug/Kg	93.0	4/30/2002	RLJ	SW846 8260B
Methylene chloride	Below det lim	ug/Kg	20.0	4/30/2002	RLJ	SW846 8260B
Naphthalene	870	ug/Kg	9.30	4/30/2002	RLJ	SW846 8260B
n-Propylbenzene	Below det lim	ug/Kg	9.30	4/30/2002	RLJ	SW846 8260B
Styrene	Below det lim	ug/Kg	9.30	4/30/2002	RLJ	SW846 8260B
1,1,1,2-Tetrachloroethane	Below det lim	ug/Kg	9.30	4/30/2002	RLJ	SW846 8260B
1,1,2,2-Tetrachloroethane	Below det lim	ug/Kg	9.30	4/30/2002	RLJ	SW846 8260B
Tetrachloroethene (PCE)	Below det lim	ug/Kg	9.30	4/30/2002	RLJ	SW846 8260B
Toluene	Below det lim	ug/Kg	9.30	4/30/2002	RLJ	SW846 8260B
1,2,3-Trichlorobenzene	Below det lim	ug/Kg	9.30	4/30/2002	RLJ	SW846 8260B
1,2,4-Trichlorobenzene	Below det lim	ug/Kg	9.30	4/30/2002	RLJ	SW846 8260B
1,1,1-Trichloroethane	Below det lim	ug/Kg	9.30	4/30/2002	RLJ	SW846 8260B
1,1,2-Trichloroethane	Below det lim	ug/Kg	9.30	4/30/2002	RLJ	SW846 8260B
Trichloroethene (TCE)	Below det lim	ug/Kg	9.30	4/30/2002	RLJ	SW846 8260B
Trichlorofluoromethane	Below det lim	ug/Kg	9.30	4/30/2002	RLJ	SW846 8260B
1,2,3-Trichloropropane	Below det lim	ug/Kg	9.30	4/30/2002	RLJ	SW846 8260B
1,2,4-Trimethylbenzene	Below det lim	ug/Kg	9.30	4/30/2002	RLJ	SW846 8260B
1,3,5-Trimethylbenzene	Below det lim	ug/Kg	9.30	4/30/2002	RLJ	SW846 8260B
Vinyl chloride	Below det lim	ug/Kg	9.30	4/30/2002	RLJ	SW846 8260B
m,p-Xylenes	Below det lim	ug/Kg	18.6	4/30/2002	RLJ	SW846 8260B
o-Xylene	Below det lim	ug/Kg	9.30	4/30/2002	RLJ	SW846 8260B
4-Bromofluorobenzene (%SR)	114	ug/Kg	0.000	4/30/2002	RLJ	SW846 8260B
1,4-Difluorobenzene (%SR)	108	ug/Kg	0.000	4/30/2002	RLJ	SW846 8260B
Chlorobenzene-d5 (%SR)	116	ug/Kg	0.000	4/30/2002	RLJ	SW846 8260B
TPH Preparation						
Ultrasonic Extraction	Completed			4/29/2002	RT	SW846 3550B
Petroleum Hydrocarbon Analysis						
Extractable TPH						
Total Petroleum Hydrocarbons (C9-C36)	110	mg/Kg	100	5/1/2002	JD	CT ETPH
Gasoline	Below det lim	mg/Kg	100	5/1/2002	JD	CT ETPH
Fuel Oil #2	Below det lim	mg/Kg	100	5/1/2002	JD	CT ETPH
Fuel Oil #4	Below det lim	mg/Kg	100	5/1/2002	JD	CT ETPH
Fuel Oil #6	Below det lim	mg/Kg	100	5/1/2002	JD	CT ETPH
Motor Oil	Below det lim	mg/Kg	100	5/1/2002	JD	CT ETPH
Aviation Fuel	Below det lim	mg/Kg	100	5/1/2002	JD	CT ETPH

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Parameter	Results	Units	PQL	Start Date	Analyst	Method
Unidentified	110	mg/Kg	100	5/1/2002	JD	CT ETPH
Other Oil	*	mg/Kg	100	5/1/2002	JD	CT ETPH
1-Chloro-octadecane (%SR)	85	mg/Kg	0.	5/1/2002	JD	CT ETPH
SVOC Preparation						
Ultrasonic Extraction	Completed			4/29/2002	RT	SW846 3550B
Semivolatile Organic Compounds						
PAHs by GC/MS						
Naphthalene	440	ug/Kg	102	4/30/2002	MSL	SW846 8270C
2-Methylnaphthalene	380	ug/Kg	102	4/30/2002	MSL	SW846 8270C
1-Methylnaphthalene	220	ug/Kg	102	4/30/2002	MSL	SW846 8270C
Acenaphthylene	Below det lim	ug/Kg	102	4/30/2002	MSL	SW846 8270C
Acenaphthene	960	ug/Kg	102	4/30/2002	MSL	SW846 8270C
Fluorene	800	ug/Kg	102	4/30/2002	MSL	SW846 8270C
Phenanthrene	6,200	ug/Kg	102	4/30/2002	MSL	SW846 8270C
Anthracene	880	ug/Kg	102	4/30/2002	MSL	SW846 8270C
Fluoranthene	8,300	ug/Kg	102	4/30/2002	MSL	SW846 8270C
Pyrene	5,400	ug/Kg	102	4/30/2002	MSL	SW846 8270C
Benzo (a) anthracene	1,100	ug/Kg	102	4/30/2002	MSL	SW846 8270C
Chrysene	2,000	ug/Kg	102	4/30/2002	MSL	SW846 8270C
Benzo (b) fluoranthene	1,400	ug/Kg	102	4/30/2002	MSL	SW846 8270C
Benzo (k) fluoranthene	770	ug/Kg	102	4/30/2002	MSL	SW846 8270C
Benzo (a) pyrene	710	ug/Kg	102	4/30/2002	MSL	SW846 8270C
Indeno (1,2,3-cd) pyrene	280	ug/Kg	102	4/30/2002	MSL	SW846 8270C
Dibenzo (a,h) anthracene	Below det lim	ug/Kg	102	4/30/2002	MSL	SW846 8270C
Benzo (g,h,i) perylene	290	ug/Kg	102	4/30/2002	MSL	SW846 8270C
2-Fluorobiphenyl (%SR)	44	ug/Kg	0.000	4/30/2002	MSL	SW846 8270C
Terphenyl-d14 (%SR)	43	ug/Kg	0.000	4/30/2002	MSL	SW846 8270C
Semivolatile Organic Compounds						
Organochlorine Pesticides by GC						
Aldrin	Below det lim	ug/Kg	5.5	4/30/2002	MP	SW846 8081A
alpha-BHC	Below det lim	ug/Kg	5.5	4/30/2002	MP	SW846 8081A
beta-BHC	Below det lim	ug/Kg	5.5	4/30/2002	MP	SW846 8081A
delta-BHC	Below det lim	ug/Kg	5.5	4/30/2002	MP	SW846 8081A
gamma-BHC (Lindane)	Below det lim	ug/Kg	5.5	4/30/2002	MP	SW846 8081A
Chlordane	Below det lim	ug/Kg	20	4/30/2002	MP	SW846 8081A
4,4'-DDD	Below det lim	ug/Kg	5.5	4/30/2002	MP	SW846 8081A
4,4'-DDE	Below det lim	ug/Kg	5.5	4/30/2002	MP	SW846 8081A
4,4'-DDT	Below det lim	ug/Kg	5.5	4/30/2002	MP	SW846 8081A
Dieldrin	Below det lim	ug/Kg	5.5	4/30/2002	MP	SW846 8081A
Endosulfan I	Below det lim	ug/Kg	5.5	4/30/2002	MP	SW846 8081A
Endosulfan II	Below det lim	ug/Kg	5.5	4/30/2002	MP	SW846 8081A
Endosulfan sulfate	Below det lim	ug/Kg	5.5	4/30/2002	MP	SW846 8081A

Parameter	Results	Units	PQL	Start Date	Analyst	Method
Endrin	Below det lim	ug/Kg	5.5	4/30/2002	MP	SW846 8081A
Endrin aldehyde	Below det lim	ug/Kg	5.5	4/30/2002	MP	SW846 8081A
Heptachlor	Below det lim	ug/Kg	5.5	4/30/2002	MP	SW846 8081A
Methoxychlor	Below det lim	ug/Kg	10	4/30/2002	MP	SW846 8081A
Heptachlor epoxide	Below det lim	ug/Kg	5.5	4/30/2002	MP	SW846 8081A
Toxaphene	Below det lim	ug/Kg	60	4/30/2002	MP	SW846 8081A
Decachlorobiphenyl (%SR)	96	ug/Kg	0.	4/30/2002	MP	SW846 8081A
Polychlorinated Biphenyls by GC						
PCB-1016	Below det lim	ug/Kg	22	4/30/2002	MP	SW846 8082
PCB-1221	Below det lim	ug/Kg	22	4/30/2002	MP	SW846 8082
PCB-1232	Below det lim	ug/Kg	22	4/30/2002	MP	SW846 8082
PCB-1242	Below det lim	ug/Kg	22	4/30/2002	MP	SW846 8082
PCB-1248	Below det lim	ug/Kg	22	4/30/2002	MP	SW846 8082
PCB-1254	Below det lim	ug/Kg	22	4/30/2002	MP	SW846 8082
PCB-1260	Below det lim	ug/Kg	22	4/30/2002	MP	SW846 8082
Decachlorobiphenyl (%SR)	96	ug/Kg	0.00	4/30/2002	MP	SW846 8082
Herbicides						
Chlorinated Herbicides						
2,4-D	Below det lim	ug/Kg	100	5/1/2002	MP	SW846 8151A
2,4,5-T	Below det lim	ug/Kg	20	5/1/2002	MP	SW846 8151A
2,4,5-TP(Silvex)	Below det lim	ug/Kg	20	5/1/2002	MP	SW846 8151A
Dinoseb	Below det lim	ug/Kg	10	5/1/2002	MP	SW846 8151A
Dicamba	Below det lim	ug/Kg	30	5/1/2002	MP	SW846 8151A
Dalapon	Below det lim	ug/Kg	500	5/1/2002	MP	SW846 8151A
Dichlorprop	Below det lim	ug/Kg	100	5/1/2002	MP	SW846 8151A
2,4-DB	Below det lim	ug/Kg	100	5/1/2002	MP	SW846 8151A
4,4'-DB-Octafluorobiphenyl (SR)	78	ug/Kg		5/1/2002	MP	SW846 8151A
Metals Preparation						
Mercury Digestion	Completed			4/26/2002	LFR	EPA 245.1
Mercury Digestion on Leachate	Completed			5/1/2002	LK	EPA 245.1
Metals Digestion	Completed			4/26/2002	LFR	EPA 200.7
Metals Digestion on Leachate	Completed			5/1/2002	LK	EPA 200.7
Metals Analysis						
SPLP RCRA8 Metals						
SPLP Arsenic	Below det lim	mg/L	0.015	5/1/2002	KS	1312/200.7
SPLP Barium	0.0282	mg/L	0.005	5/1/2002	KS	1312/200.7
SPLP Cadmium	Below det lim	mg/L	0.0025	5/1/2002	KS	1312/200.7
SPLP Chromium	Below det lim	mg/L	0.005	5/1/2002	KS	1312/200.7
SPLP Lead	Below det lim	mg/L	0.0075	5/1/2002	KS	1312/200.7
SPLP Selenium	Below det lim	mg/L	0.015	5/1/2002	KS	1312/200.7
SPLP Silver	Below det lim	mg/L	0.010	5/1/2002	KS	1312/200.7

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Parameter	Results	Units	PQL	Start Date	Analyst	Method
SPLP Mercury	Below det lim	mg/L	0.0004	5/1/2002	EPR	1312/245.1
Total RCRA8 Metals						
Total Arsenic	Below det lim	mg/Kg	2.70	4/30/2002	KSR	EPA 200.7
Total Barium	28.1	mg/Kg	0.900	4/30/2002	KSR	EPA 200.7
Total Cadmium	0.702	mg/Kg	0.450	4/30/2002	KSR	EPA 200.7
Total Chromium	7.19	mg/Kg	0.900	4/30/2002	KSR	EPA 200.7
Total Lead	26.7	mg/Kg	1.35	4/30/2002	KSR	EPA 200.7
Total Selenium	Below det lim	mg/Kg	4.24	4/30/2002	KSR	EPA 200.7
Total Silver	Below det lim	mg/Kg	1.80	4/30/2002	KSR	EPA 200.7
Total Mercury	Below det lim	mg/Kg	0.154	5/1/2002	EPR	EPA 245.1
TCLP/SPLP Preparation						
SPLP Extraction for Metals	Completed			4/29/2002	HB	SW846 1312

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Parameter	Results	Units	PQL	Start Date	Analyst	Method
VOC Preparation						
VOC Extraction (solid)	Lab ext			4/29/2002	AS	SW846 5035
Volatile Organic Compounds						
VOCs by GC/MS						
Acetone	Below det lim	ug/Kg	200	4/30/2002	RLJ	SW846 8260B
Acrylonitrile	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
Benzene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
Bromobenzene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
Bromochloromethane	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
Bromodichloromethane	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
Bromoform	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
Bromomethane	Below det lim	ug/Kg	20.0	4/30/2002	RLJ	SW846 8260B
2-Butanone (MEK)	Below det lim	ug/Kg	100	4/30/2002	RLJ	SW846 8260B
n-Butylbenzene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
sec-Butylbenzene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
tert-Butylbenzene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
Carbon disulfide	Below det lim	ug/Kg	50.0	4/30/2002	RLJ	SW846 8260B
Carbon tetrachloride	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
Chlorobenzene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
Chloroethane	Below det lim	ug/Kg	20.0	4/30/2002	RLJ	SW846 8260B
Chloroform	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
Chloromethane	Below det lim	ug/Kg	20.0	4/30/2002	RLJ	SW846 8260B
2-Chlorotoluene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
4-Chlorotoluene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	Below det lim	ug/Kg	20.0	4/30/2002	RLJ	SW846 8260B
Dibromochloromethane	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
1,2-Dibromoethane (EDB)	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
Dibromomethane	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
1,2-Dichlorobenzene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
1,3-Dichlorobenzene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
1,4-Dichlorobenzene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
Dichlorodifluoromethane	Below det lim	ug/Kg	20.0	4/30/2002	RLJ	SW846 8260B
1,1-Dichloroethane	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
1,2-Dichloroethane	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
1,1-Dichloroethene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
cis-1,2-Dichloroethene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
trans-1,2-Dichloroethene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
1,2-Dichloropropane	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
1,3-Dichloropropane	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
2,2-Dichloropropane	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
1,1-Dichloropropene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
cis-1,3-Dichloropropene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B

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Parameter	Results	Units	PQL	Start Date	Analyst	Method
trans-1,3-Dichloropropene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
Ethylbenzene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
Hexachlorobutadiene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
2-Hexanone (MBK)	Below det lim	ug/Kg	100	4/30/2002	RLJ	SW846 8260B
Isopropylbenzene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
4-Isopropyltoluene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
Methyl-tert-butyl ether (MTBE)	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
4-Methyl-2-pentanone (MIBK)	Below det lim	ug/Kg	100	4/30/2002	RLJ	SW846 8260B
Methylene chloride	Below det lim	ug/Kg	25.0	4/30/2002	RLJ	SW846 8260B
Naphthalene	110	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
n-Propylbenzene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
Styrene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
1,1,1,2-Tetrachloroethane	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
1,1,2,2-Tetrachloroethane	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
Tetrachloroethene (PCE)	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
Toluene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
1,2,3-Trichlorobenzene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
1,2,4-Trichlorobenzene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
1,1,1-Trichloroethane	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
1,1,2-Trichloroethane	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
Trichloroethene (TCE)	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
Trichlorofluoromethane	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
1,2,3-Trichloropropane	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
1,2,4-Trimethylbenzene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
1,3,5-Trimethylbenzene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
Vinyl chloride	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
m,p-Xylenes	Below det lim	ug/Kg	20.0	4/30/2002	RLJ	SW846 8260B
o-Xylene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
4-Bromofluorobenzene (%SR)	107	ug/Kg	0.000	4/30/2002	RLJ	SW846 8260B
1,4-Difluorobenzene (%SR)	107	ug/Kg	0.000	4/30/2002	RLJ	SW846 8260B
Chlorobenzene-d5 (%SR)	111	ug/Kg	0.000	4/30/2002	RLJ	SW846 8260B
TPH Preparation						
Ultrasonic Extraction	Completed			4/29/2002	RT	SW846 3550B
Petroleum Hydrocarbon Analysis						
Extractable TPH						
Total Petroleum Hydrocarbons (C9-C36)	76	mg/Kg	10	4/30/2002	JD	CT ETPH
Gasoline	Below det lim	mg/Kg	10	4/30/2002	JD	CT ETPH
Fuel Oil #2	Below det lim	mg/Kg	10	4/30/2002	JD	CT ETPH
Fuel Oil #4	Below det lim	mg/Kg	10	4/30/2002	JD	CT ETPH
Fuel Oil #6	Below det lim	mg/Kg	10	4/30/2002	JD	CT ETPH
Motor Oil	Below det lim	mg/Kg	10	4/30/2002	JD	CT ETPH
Aviation Fuel	Below det lim	mg/Kg	10	4/30/2002	JD	CT ETPH

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Parameter	Results	Units	PQL	Start Date	Analyst	Method
Unidentified	76	mg/Kg	10	4/30/2002	JD	CT ETPH
Other Oil	*	mg/Kg	10	4/30/2002	JD	CT ETPH
1-Chloro-octadecane (%SR)	61	mg/Kg	0.	4/30/2002	JD	CT ETPH
SVOC Preparation						
Ultrasonic Extraction	Completed			4/29/2002	RT	SW846 3550B
Semivolatile Organic Compounds						
PAHs by GC/MS						
Naphthalene	Below det lim	ug/Kg	115	4/30/2002	MSL	SW846 8270C
2-Methylnaphthalene	Below det lim	ug/Kg	115	4/30/2002	MSL	SW846 8270C
1-Methylnaphthalene	Below det lim	ug/Kg	115	4/30/2002	MSL	SW846 8270C
Acenaphthylene	Below det lim	ug/Kg	115	4/30/2002	MSL	SW846 8270C
Acenaphthene	Below det lim	ug/Kg	115	4/30/2002	MSL	SW846 8270C
Fluorene	Below det lim	ug/Kg	115	4/30/2002	MSL	SW846 8270C
Phenanthrene	690	ug/Kg	115	4/30/2002	MSL	SW846 8270C
Anthracene	Below det lim	ug/Kg	115	4/30/2002	MSL	SW846 8270C
Fluoranthene	1,400	ug/Kg	115	4/30/2002	MSL	SW846 8270C
Pyrene	1,100	ug/Kg	115	4/30/2002	MSL	SW846 8270C
Benzo (a) anthracene	360	ug/Kg	115	4/30/2002	MSL	SW846 8270C
Chrysene	550	ug/Kg	115	4/30/2002	MSL	SW846 8270C
Benzo (b) fluoranthene	620	ug/Kg	115	4/30/2002	MSL	SW846 8270C
Benzo (k) fluoranthene	280	ug/Kg	115	4/30/2002	MSL	SW846 8270C
Benzo (a) pyrene	350	ug/Kg	115	4/30/2002	MSL	SW846 8270C
Indeno (1,2,3-cd) pyrene	230	ug/Kg	115	4/30/2002	MSL	SW846 8270C
Dibenzo (a,h) anthracene	Below det lim	ug/Kg	115	4/30/2002	MSL	SW846 8270C
Benzo (g,h,i) perylene	260	ug/Kg	115	4/30/2002	MSL	SW846 8270C
2-Fluorobiphenyl (%SR)	41	ug/Kg	0.000	4/30/2002	MSL	SW846 8270C
Terphenyl-d14 (%SR)	41	ug/Kg	0.000	4/30/2002	MSL	SW846 8270C
Semivolatile Organic Compounds						
Organochlorine Pesticides by GC						
Aldrin	94	ug/Kg	6.3	4/30/2002	MP	SW846 8081A
alpha-BHC	Below det lim	ug/Kg	6.3	4/30/2002	MP	SW846 8081A
beta-BHC	Below det lim	ug/Kg	6.3	4/30/2002	MP	SW846 8081A
delta-BHC	Below det lim	ug/Kg	6.3	4/30/2002	MP	SW846 8081A
gamma-BHC (Lindane)	Below det lim	ug/Kg	6.3	4/30/2002	MP	SW846 8081A
Chlordane	Below det lim	ug/Kg	30	4/30/2002	MP	SW846 8081A
4,4'-DDD	Below det lim	ug/Kg	6.3	4/30/2002	MP	SW846 8081A
4,4'-DDE	Below det lim	ug/Kg	6.3	4/30/2002	MP	SW846 8081A
4,4'-DDT	Below det lim	ug/Kg	6.3	4/30/2002	MP	SW846 8081A
Dieldrin	Below det lim	ug/Kg	6.3	4/30/2002	MP	SW846 8081A
Endosulfan I	Below det lim	ug/Kg	6.3	4/30/2002	MP	SW846 8081A
Endosulfan II	Below det lim	ug/Kg	6.3	4/30/2002	MP	SW846 8081A
Endosulfan sulfate	Below det lim	ug/Kg	6.3	4/30/2002	MP	SW846 8081A

Parameter	Results	Units	PQL	Start Date	Analyst	Method
Endrin	Below det lim	ug/Kg	6.3	4/30/2002	MP	SW846 8081A
Endrin aldehyde	Below det lim	ug/Kg	6.3	4/30/2002	MP	SW846 8081A
Heptachlor	Below det lim	ug/Kg	6.3	4/30/2002	MP	SW846 8081A
Methoxychlor	Below det lim	ug/Kg	10	4/30/2002	MP	SW846 8081A
Heptachlor epoxide	110	ug/Kg	6.3	4/30/2002	MP	SW846 8081A
Toxaphene	Below det lim	ug/Kg	60	4/30/2002	MP	SW846 8081A
Decachlorobiphenyl (%SR)	83	ug/Kg	0.	4/30/2002	MP	SW846 8081A
Polychlorinated Biphenyls by GC						
PCB-1016	Below det lim	ug/Kg	25	4/30/2002	MP	SW846 8082
PCB-1221	Below det lim	ug/Kg	25	4/30/2002	MP	SW846 8082
PCB-1232	Below det lim	ug/Kg	25	4/30/2002	MP	SW846 8082
PCB-1242	Below det lim	ug/Kg	25	4/30/2002	MP	SW846 8082
PCB-1248	Below det lim	ug/Kg	25	4/30/2002	MP	SW846 8082
PCB-1254	Below det lim	ug/Kg	25	4/30/2002	MP	SW846 8082
PCB-1260	Below det lim	ug/Kg	25	4/30/2002	MP	SW846 8082
Decachlorobiphenyl (%SR)	83	ug/Kg	0.00	4/30/2002	MP	SW846 8082
Herbicides						
Chlorinated Herbicides						
2,4-D	Below det lim	ug/Kg	100	5/1/2002	MP	SW846 8151A
2,4,5-T	Below det lim	ug/Kg	20	5/1/2002	MP	SW846 8151A
2,4,5-TP(Silvex)	Below det lim	ug/Kg	20	5/1/2002	MP	SW846 8151A
Dinoseb	Below det lim	ug/Kg	10	5/1/2002	MP	SW846 8151A
Dicamba	Below det lim	ug/Kg	30	5/1/2002	MP	SW846 8151A
Dalapon	Below det lim	ug/Kg	500	5/1/2002	MP	SW846 8151A
Dichlorprop	Below det lim	ug/Kg	100	5/1/2002	MP	SW846 8151A
2,4-DB	Below det lim	ug/Kg	100	5/1/2002	MP	SW846 8151A
4,4'-DB-Octafluorobiphenyl (SR)	79	ug/Kg		5/1/2002	MP	SW846 8151A
Metals Preparation						
Mercury Digestion	Completed			4/26/2002	LFR	EPA 245.1
Mercury Digestion on Leachate	Completed			5/1/2002	LK	EPA 245.1
Metals Digestion	Completed			4/26/2002	LFR	EPA 200.7
Metals Digestion on Leachate	Completed			5/1/2002	LK	EPA 200.7
Metals Analysis						
SPLP RCRA8 Metals						
SPLP Arsenic	Below det lim	mg/L	0.015	5/1/2002	KS	1312/200.7
SPLP Barium	0.0304	mg/L	0.005	5/1/2002	KS	1312/200.7
SPLP Cadmium	Below det lim	mg/L	0.0025	5/1/2002	KS	1312/200.7
SPLP Chromium	Below det lim	mg/L	0.005	5/1/2002	KS	1312/200.7
SPLP Lead	Below det lim	mg/L	0.0075	5/1/2002	KS	1312/200.7
SPLP Selenium	Below det lim	mg/L	0.015	5/1/2002	KS	1312/200.7
SPLP Silver	Below det lim	mg/L	0.010	5/1/2002	KS	1312/200.7

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Parameter	Results	Units	PQL	Start Date	Analyst	Method
SPLP Mercury	Below det lim	mg/L	0.0004	5/1/2002	EPR	1312/245.1
Total RCRA8 Metals						
Total Arsenic	Below det lim	mg/Kg	2.89	4/30/2002	KSR	EPA 200.7
Total Barium	42.1	mg/Kg	0.963	4/30/2002	KSR	EPA 200.7
Total Cadmium	1.06	mg/Kg	0.482	4/30/2002	KSR	EPA 200.7
Total Chromium	12.7	mg/Kg	0.963	4/30/2002	KSR	EPA 200.7
Total Lead	55.7	mg/Kg	1.45	4/30/2002	KSR	EPA 200.7
Total Selenium	Below det lim	mg/Kg	6.48	4/30/2002	KSR	EPA 200.7
Total Silver	Below det lim	mg/Kg	1.93	4/30/2002	KSR	EPA 200.7
Total Mercury	Below det lim	mg/Kg	0.172	5/1/2002	EPR	EPA 245.1
TCLP/SPLP Preparation						
SPLP Extraction for Metals	Completed			4/29/2002	HB	SW846 1312

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Parameter	Results	Units	PQL	Start Date	Analyst	Method
VOC Preparation						
VOC Extraction (solid)	Lab ext			4/29/2002	AS	SW846 5035
Volatile Organic Compounds						
VOCs by GC/MS						
Acetone	Below det lim	ug/Kg	240	4/30/2002	RLJ	SW846 8260B
Acrylonitrile	Below det lim	ug/Kg	12.0	4/30/2002	RLJ	SW846 8260B
Benzene	Below det lim	ug/Kg	12.0	4/30/2002	RLJ	SW846 8260B
Bromobenzene	Below det lim	ug/Kg	12.0	4/30/2002	RLJ	SW846 8260B
Bromochloromethane	Below det lim	ug/Kg	12.0	4/30/2002	RLJ	SW846 8260B
Bromodichloromethane	Below det lim	ug/Kg	12.0	4/30/2002	RLJ	SW846 8260B
Bromoform	Below det lim	ug/Kg	12.0	4/30/2002	RLJ	SW846 8260B
Bromomethane	Below det lim	ug/Kg	24.0	4/30/2002	RLJ	SW846 8260B
2-Butanone (MEK)	Below det lim	ug/Kg	120	4/30/2002	RLJ	SW846 8260B
n-Butylbenzene	Below det lim	ug/Kg	12.0	4/30/2002	RLJ	SW846 8260B
sec-Butylbenzene	Below det lim	ug/Kg	12.0	4/30/2002	RLJ	SW846 8260B
tert-Butylbenzene	Below det lim	ug/Kg	12.0	4/30/2002	RLJ	SW846 8260B
Carbon disulfide	Below det lim	ug/Kg	60.0	4/30/2002	RLJ	SW846 8260B
Carbon tetrachloride	Below det lim	ug/Kg	12.0	4/30/2002	RLJ	SW846 8260B
Chlorobenzene	Below det lim	ug/Kg	12.0	4/30/2002	RLJ	SW846 8260B
Chloroethane	Below det lim	ug/Kg	24.0	4/30/2002	RLJ	SW846 8260B
Chloroform	Below det lim	ug/Kg	12.0	4/30/2002	RLJ	SW846 8260B
Chloromethane	Below det lim	ug/Kg	24.0	4/30/2002	RLJ	SW846 8260B
2-Chlorotoluene	Below det lim	ug/Kg	12.0	4/30/2002	RLJ	SW846 8260B
4-Chlorotoluene	Below det lim	ug/Kg	12.0	4/30/2002	RLJ	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	Below det lim	ug/Kg	24.0	4/30/2002	RLJ	SW846 8260B
Dibromochloromethane	Below det lim	ug/Kg	12.0	4/30/2002	RLJ	SW846 8260B
1,2-Dibromoethane (EDB)	Below det lim	ug/Kg	12.0	4/30/2002	RLJ	SW846 8260B
Dibromomethane	Below det lim	ug/Kg	12.0	4/30/2002	RLJ	SW846 8260B
1,2-Dichlorobenzene	Below det lim	ug/Kg	12.0	4/30/2002	RLJ	SW846 8260B
1,3-Dichlorobenzene	Below det lim	ug/Kg	12.0	4/30/2002	RLJ	SW846 8260B
1,4-Dichlorobenzene	Below det lim	ug/Kg	12.0	4/30/2002	RLJ	SW846 8260B
Dichlorodifluoromethane	Below det lim	ug/Kg	24.0	4/30/2002	RLJ	SW846 8260B
1,1-Dichloroethane	Below det lim	ug/Kg	12.0	4/30/2002	RLJ	SW846 8260B
1,2-Dichloroethane	Below det lim	ug/Kg	12.0	4/30/2002	RLJ	SW846 8260B
1,1-Dichloroethene	Below det lim	ug/Kg	12.0	4/30/2002	RLJ	SW846 8260B
cis-1,2-Dichloroethene	Below det lim	ug/Kg	12.0	4/30/2002	RLJ	SW846 8260B
trans-1,2-Dichloroethene	Below det lim	ug/Kg	12.0	4/30/2002	RLJ	SW846 8260B
1,2-Dichloropropane	Below det lim	ug/Kg	12.0	4/30/2002	RLJ	SW846 8260B
1,3-Dichloropropane	Below det lim	ug/Kg	12.0	4/30/2002	RLJ	SW846 8260B
2,2-Dichloropropane	Below det lim	ug/Kg	12.0	4/30/2002	RLJ	SW846 8260B
1,1-Dichloropropene	Below det lim	ug/Kg	12.0	4/30/2002	RLJ	SW846 8260B
cis-1,3-Dichloropropene	Below det lim	ug/Kg	12.0	4/30/2002	RLJ	SW846 8260B

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trans-1,3-Dichloropropene	Below det lim	ug/Kg	12.0	4/30/2002	RLJ	SW846 8260B
Ethylbenzene	Below det lim	ug/Kg	12.0	4/30/2002	RLJ	SW846 8260B
Hexachlorobutadiene	Below det lim	ug/Kg	12.0	4/30/2002	RLJ	SW846 8260B
2-Hexanone (MBK)	Below det lim	ug/Kg	120	4/30/2002	RLJ	SW846 8260B
Isopropylbenzene	Below det lim	ug/Kg	12.0	4/30/2002	RLJ	SW846 8260B
4-Isopropyltoluene	Below det lim	ug/Kg	12.0	4/30/2002	RLJ	SW846 8260B
Methyl-tert-butyl ether (MTBE)	Below det lim	ug/Kg	12.0	4/30/2002	RLJ	SW846 8260B
4-Methyl-2-pentanone (MIBK)	Below det lim	ug/Kg	120	4/30/2002	RLJ	SW846 8260B
Methylene chloride	Below det lim	ug/Kg	30.0	4/30/2002	RLJ	SW846 8260B
Naphthalene	Below det lim	ug/Kg	12.0	4/30/2002	RLJ	SW846 8260B
n-Propylbenzene	Below det lim	ug/Kg	12.0	4/30/2002	RLJ	SW846 8260B
Styrene	Below det lim	ug/Kg	12.0	4/30/2002	RLJ	SW846 8260B
1,1,1,2-Tetrachloroethane	Below det lim	ug/Kg	12.0	4/30/2002	RLJ	SW846 8260B
1,1,2,2-Tetrachloroethane	Below det lim	ug/Kg	12.0	4/30/2002	RLJ	SW846 8260B
Tetrachloroethene (PCE)	Below det lim	ug/Kg	12.0	4/30/2002	RLJ	SW846 8260B
Toluene	Below det lim	ug/Kg	12.0	4/30/2002	RLJ	SW846 8260B
1,2,3-Trichlorobenzene	Below det lim	ug/Kg	12.0	4/30/2002	RLJ	SW846 8260B
1,2,4-Trichlorobenzene	Below det lim	ug/Kg	12.0	4/30/2002	RLJ	SW846 8260B
1,1,1-Trichloroethane	Below det lim	ug/Kg	12.0	4/30/2002	RLJ	SW846 8260B
1,1,2-Trichloroethane	Below det lim	ug/Kg	12.0	4/30/2002	RLJ	SW846 8260B
Trichloroethene (TCE)	Below det lim	ug/Kg	12.0	4/30/2002	RLJ	SW846 8260B
Trichlorofluoromethane	Below det lim	ug/Kg	12.0	4/30/2002	RLJ	SW846 8260B
1,2,3-Trichloropropane	Below det lim	ug/Kg	12.0	4/30/2002	RLJ	SW846 8260B
1,2,4-Trimethylbenzene	Below det lim	ug/Kg	12.0	4/30/2002	RLJ	SW846 8260B
1,3,5-Trimethylbenzene	Below det lim	ug/Kg	12.0	4/30/2002	RLJ	SW846 8260B
Vinyl chloride	Below det lim	ug/Kg	12.0	4/30/2002	RLJ	SW846 8260B
m,p-Xylenes	Below det lim	ug/Kg	24.0	4/30/2002	RLJ	SW846 8260B
o-Xylene	Below det lim	ug/Kg	12.0	4/30/2002	RLJ	SW846 8260B
4-Bromofluorobenzene (%SR)	103	ug/Kg	0.000	4/30/2002	RLJ	SW846 8260B
1,4-Difluorobenzene (%SR)	105	ug/Kg	0.000	4/30/2002	RLJ	SW846 8260B
Chlorobenzene-d5 (%SR)	109	ug/Kg	0.000	4/30/2002	RLJ	SW846 8260B
TPH Preparation						
Ultrasonic Extraction	Completed			4/29/2002	RT	SW846 3550B
Petroleum Hydrocarbon Analysis						
Extractable TPH						
Total Petroleum Hydrocarbons (C9-C36)	95	mg/Kg	10	5/1/2002	JD	CT ETPH
Gasoline	Below det lim	mg/Kg	10	5/1/2002	JD	CT ETPH
Fuel Oil #2	Below det lim	mg/Kg	10	5/1/2002	JD	CT ETPH
Fuel Oil #4	Below det lim	mg/Kg	10	5/1/2002	JD	CT ETPH
Fuel Oil #6	Below det lim	mg/Kg	10	5/1/2002	JD	CT ETPH
Motor Oil	Below det lim	mg/Kg	10	5/1/2002	JD	CT ETPH
Aviation Fuel	Below det lim	mg/Kg	10	5/1/2002	JD	CT ETPH

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Parameter	Results	Units	PQL	Start Date	Analyst	Method
Unidentified	95	mg/Kg	10	5/1/2002	JD	CT ETPH
Other Oil	*	mg/Kg	10	5/1/2002	JD	CT ETPH
1-Chloro-octadecane (%SR)	90	mg/Kg	0.	5/1/2002	JD	CT ETPH
SVOC Preparation						
Ultrasonic Extraction	Completed			4/29/2002	RT	SW846 3550B
Semivolatile Organic Compounds						
PAHs by GC/MS						
Naphthalene	Below det lim	ug/Kg	132	4/30/2002	MSL	SW846 8270C
2-Methylnaphthalene	Below det lim	ug/Kg	132	4/30/2002	MSL	SW846 8270C
1-Methylnaphthalene	Below det lim	ug/Kg	132	4/30/2002	MSL	SW846 8270C
Acenaphthylene	150	ug/Kg	132	4/30/2002	MSL	SW846 8270C
Acenaphthene	Below det lim	ug/Kg	132	4/30/2002	MSL	SW846 8270C
Fluorene	Below det lim	ug/Kg	132	4/30/2002	MSL	SW846 8270C
Phenanthrene	800	ug/Kg	132	4/30/2002	MSL	SW846 8270C
Anthracene	170	ug/Kg	132	4/30/2002	MSL	SW846 8270C
Fluoranthene	2,900	ug/Kg	132	4/30/2002	MSL	SW846 8270C
Pyrene	2,400	ug/Kg	132	4/30/2002	MSL	SW846 8270C
Benzo (a) anthracene	1,100	ug/Kg	132	4/30/2002	MSL	SW846 8270C
Chrysene	1,500	ug/Kg	132	4/30/2002	MSL	SW846 8270C
Benzo (b) fluoranthene	1,900	ug/Kg	132	4/30/2002	MSL	SW846 8270C
Benzo (k) fluoranthene	860	ug/Kg	132	4/30/2002	MSL	SW846 8270C
Benzo (a) pyrene	1,300	ug/Kg	132	4/30/2002	MSL	SW846 8270C
Indeno (1,2,3-cd) pyrene	880	ug/Kg	132	4/30/2002	MSL	SW846 8270C
Dibenzo (a,h) anthracene	Below det lim	ug/Kg	132	4/30/2002	MSL	SW846 8270C
Benzo (g,h,i) perylene	1,000	ug/Kg	132	4/30/2002	MSL	SW846 8270C
2-Fluorobiphenyl (%SR)	43	ug/Kg	0.000	4/30/2002	MSL	SW846 8270C
Terphenyl-d14 (%SR)	41	ug/Kg	0.000	4/30/2002	MSL	SW846 8270C
Semivolatile Organic Compounds						
Organochlorine Pesticides by GC						
Aldrin	8.8	ug/Kg	7.1	4/30/2002	MP	SW846 8081A
alpha-BHC	Below det lim	ug/Kg	7.1	4/30/2002	MP	SW846 8081A
beta-BHC	Below det lim	ug/Kg	7.1	4/30/2002	MP	SW846 8081A
delta-BHC	Below det lim	ug/Kg	7.1	4/30/2002	MP	SW846 8081A
gamma-BHC (Lindane)	Below det lim	ug/Kg	7.1	4/30/2002	MP	SW846 8081A
Chlordane	Below det lim	ug/Kg	30	4/30/2002	MP	SW846 8081A
4,4'-DDD	Below det lim	ug/Kg	7.1	4/30/2002	MP	SW846 8081A
4,4'-DDE	Below det lim	ug/Kg	7.1	4/30/2002	MP	SW846 8081A
4,4'-DDT	Below det lim	ug/Kg	7.1	4/30/2002	MP	SW846 8081A
Dieldrin	Below det lim	ug/Kg	7.1	4/30/2002	MP	SW846 8081A
Endosulfan I	Below det lim	ug/Kg	7.1	4/30/2002	MP	SW846 8081A
Endosulfan II	Below det lim	ug/Kg	7.1	4/30/2002	MP	SW846 8081A
Endosulfan sulfate	Below det lim	ug/Kg	7.1	4/30/2002	MP	SW846 8081A

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Parameter	Results	Units	PQL	Start Date	Analyst	Method
Endrin	Below det lim	ug/Kg	7.1	4/30/2002	MP	SW846 8081A
Endrin aldehyde	Below det lim	ug/Kg	7.1	4/30/2002	MP	SW846 8081A
Heptachlor	Below det lim	ug/Kg	7.1	4/30/2002	MP	SW846 8081A
Methoxychlor	Below det lim	ug/Kg	10	4/30/2002	MP	SW846 8081A
Heptachlor epoxide	21	ug/Kg	7.1	4/30/2002	MP	SW846 8081A
Toxaphene	Below det lim	ug/Kg	70	4/30/2002	MP	SW846 8081A
Decachlorobiphenyl (%SR)	104	ug/Kg	0.	4/30/2002	MP	SW846 8081A
Polychlorinated Biphenyls by GC						
PCB-1016	Below det lim	ug/Kg	28	4/30/2002	MP	SW846 8082
PCB-1221	Below det lim	ug/Kg	28	4/30/2002	MP	SW846 8082
PCB-1232	Below det lim	ug/Kg	28	4/30/2002	MP	SW846 8082
PCB-1242	Below det lim	ug/Kg	28	4/30/2002	MP	SW846 8082
PCB-1248	Below det lim	ug/Kg	28	4/30/2002	MP	SW846 8082
PCB-1254	Below det lim	ug/Kg	28	4/30/2002	MP	SW846 8082
PCB-1260	Below det lim	ug/Kg	28	4/30/2002	MP	SW846 8082
Decachlorobiphenyl (%SR)	104	ug/Kg	0.00	4/30/2002	MP	SW846 8082
Herbicides						
Chlorinated Herbicides						
2,4-D	Below det lim	ug/Kg	100	5/1/2002	MP	SW846 8151A
2,4,5-T	Below det lim	ug/Kg	20	5/1/2002	MP	SW846 8151A
2,4,5-TP(Silvex)	Below det lim	ug/Kg	20	5/1/2002	MP	SW846 8151A
Dinoseb	Below det lim	ug/Kg	10	5/1/2002	MP	SW846 8151A
Dicamba	Below det lim	ug/Kg	30	5/1/2002	MP	SW846 8151A
Dalapon	Below det lim	ug/Kg	500	5/1/2002	MP	SW846 8151A
Dichlorprop	Below det lim	ug/Kg	100	5/1/2002	MP	SW846 8151A
2,4-DB	Below det lim	ug/Kg	100	5/1/2002	MP	SW846 8151A
4,4'-DB-Octafluorobiphenyl (SR)	76	ug/Kg		5/1/2002	MP	SW846 8151A
Metals Preparation						
Mercury Digestion	Completed			4/26/2002	LFR	EPA 245.1
Mercury Digestion on Leachate	Completed			5/1/2002	LK	EPA 245.1
Metals Digestion	Completed			4/26/2002	LFR	EPA 200.7
Metals Digestion on Leachate	Completed			5/1/2002	LK	EPA 200.7
Metals Analysis						
SPLP RCRA8 Metals						
SPLP Arsenic	Below det lim	mg/L	0.015	5/1/2002	KS	1312/200.7
SPLP Barium	0.0308	mg/L	0.005	5/1/2002	KS	1312/200.7
SPLP Cadmium	Below det lim	mg/L	0.0025	5/1/2002	KS	1312/200.7
SPLP Chromium	Below det lim	mg/L	0.005	5/1/2002	KS	1312/200.7
SPLP Lead	Below det lim	mg/L	0.0075	5/1/2002	KS	1312/200.7
SPLP Selenium	Below det lim	mg/L	0.015	5/1/2002	KS	1312/200.7
SPLP Silver	Below det lim	mg/L	0.010	5/1/2002	KS	1312/200.7

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Parameter	Results	Units	PQL	Start Date	Analyst	Method
SPLP Mercury	Below det lim	mg/L	0.0004	5/1/2002	EPR	1312/245.1
Total RCRA8 Metals						
Total Arsenic	Below det lim	mg/Kg	2.94	4/30/2002	KSR	EPA 200.7
Total Barium	95.7	mg/Kg	0.980	4/30/2002	KSR	EPA 200.7
Total Cadmium	1.32	mg/Kg	0.490	4/30/2002	KSR	EPA 200.7
Total Chromium	13.4	mg/Kg	0.980	4/30/2002	KSR	EPA 200.7
Total Lead	14.0	mg/Kg	1.47	4/30/2002	KSR	EPA 200.7
Total Selenium	Below det lim	mg/Kg	7.23	4/30/2002	KSR	EPA 200.7
Total Silver	Below det lim	mg/Kg	1.96	4/30/2002	KSR	EPA 200.7
Total Mercury	Below det lim	mg/Kg	0.168	5/1/2002	EPR	EPA 245.1
TCLP/SPLP Preparation						
SPLP Extraction for Metals	Completed			4/29/2002	HB	SW846 1312
% Solids	92.6	%		4/30/2002	AAS	SM2540 B Mod

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Client Id: B-6

Collection Date: 4/23/2002
Matrix Ballast

Parameter	Results	Units	PQL	Start Date	Analyst	Method
VOC Preparation						
VOC Extraction (solid)	Lab ext			4/29/2002	AS	SW846 5035
Volatile Organic Compounds						
VOCs by GC/MS						
Acetone	Below det lim	ug/Kg	200	4/30/2002	RLJ	SW846 8260B
Acrylonitrile	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
Benzene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
Bromobenzene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
Bromochloromethane	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
Bromodichloromethane	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
Bromoform	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
Bromomethane	Below det lim	ug/Kg	20.0	4/30/2002	RLJ	SW846 8260B
2-Butanone (MEK)	Below det lim	ug/Kg	100	4/30/2002	RLJ	SW846 8260B
n-Butylbenzene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
sec-Butylbenzene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
tert-Butylbenzene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
Carbon disulfide	Below det lim	ug/Kg	50.0	4/30/2002	RLJ	SW846 8260B
Carbon tetrachloride	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
Chlorobenzene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
Chloroethane	Below det lim	ug/Kg	20.0	4/30/2002	RLJ	SW846 8260B
Chloroform	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
Chloromethane	Below det lim	ug/Kg	20.0	4/30/2002	RLJ	SW846 8260B
2-Chlorotoluene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
4-Chlorotoluene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	Below det lim	ug/Kg	20.0	4/30/2002	RLJ	SW846 8260B
Dibromochloromethane	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
1,2-Dibromoethane (EDB)	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
Dibromomethane	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
1,2-Dichlorobenzene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
1,3-Dichlorobenzene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
1,4-Dichlorobenzene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
Dichlorodifluoromethane	Below det lim	ug/Kg	20.0	4/30/2002	RLJ	SW846 8260B
1,1-Dichloroethane	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
1,2-Dichloroethane	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
1,1-Dichloroethene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
cis-1,2-Dichloroethene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
trans-1,2-Dichloroethene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
1,2-Dichloropropane	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
1,3-Dichloropropane	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
2,2-Dichloropropane	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
1,1-Dichloropropene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
cis-1,3-Dichloropropene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B

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Parameter	Results	Units	PQL	Start Date	Analyst	Method
trans-1,3-Dichloropropene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
Ethylbenzene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
Hexachlorobutadiene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
2-Hexanone (MBK)	Below det lim	ug/Kg	100	4/30/2002	RLJ	SW846 8260B
Isopropylbenzene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
4-Isopropyltoluene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
Methyl-tert-butyl ether (MTBE)	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
4-Methyl-2-pentanone (MIBK)	Below det lim	ug/Kg	100	4/30/2002	RLJ	SW846 8260B
Methylene chloride	Below det lim	ug/Kg	20.0	4/30/2002	RLJ	SW846 8260B
Naphthalene	1,300	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
n-Propylbenzene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
Styrene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
1,1,1,2-Tetrachloroethane	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
1,1,2,2-Tetrachloroethane	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
Tetrachloroethene (PCE)	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
Toluene	Below det lim	ug/Kg	30.0	4/30/2002	RLJ	SW846 8260B
1,2,3-Trichlorobenzene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
1,2,4-Trichlorobenzene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
1,1,1-Trichloroethane	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
1,1,2-Trichloroethane	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
Trichloroethene (TCE)	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
Trichlorofluoromethane	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
1,2,3-Trichloropropane	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
1,2,4-Trimethylbenzene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
1,3,5-Trimethylbenzene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
Vinyl chloride	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
m,p-Xylenes	Below det lim	ug/Kg	20.0	4/30/2002	RLJ	SW846 8260B
o-Xylene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
4-Bromofluorobenzene (%SR)	110	ug/Kg	0.000	4/30/2002	RLJ	SW846 8260B
1,4-Difluorobenzene (%SR)	109	ug/Kg	0.000	4/30/2002	RLJ	SW846 8260B
Chlorobenzene-d5 (%SR)	117	ug/Kg	0.000	4/30/2002	RLJ	SW846 8260B
TPH Preparation						
Ultrasonic Extraction	Completed			4/29/2002	RT	SW846 3550B
Petroleum Hydrocarbon Analysis						
Extractable TPH						
Total Petroleum Hydrocarbons (C9-C36)	110	mg/Kg	10	5/1/2002	JD	CT ETPH
Gasoline	Below det lim	mg/Kg	10	5/1/2002	JD	CT ETPH
Fuel Oil #2	Below det lim	mg/Kg	10	5/1/2002	JD	CT ETPH
Fuel Oil #4	Below det lim	mg/Kg	10	5/1/2002	JD	CT ETPH
Fuel Oil #6	Below det lim	mg/Kg	10	5/1/2002	JD	CT ETPH
Motor Oil	Below det lim	mg/Kg	10	5/1/2002	JD	CT ETPH
Aviation Fuel	Below det lim	mg/Kg	10	5/1/2002	JD	CT ETPH

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Parameter	Results	Units	PQL	Start Date	Analyst	Method
Unidentified	110	mg/Kg	10	5/1/2002	JD	CT ETPH
Other Oil	*	mg/Kg	10	5/1/2002	JD	CT ETPH
1-Chloro-octadecane (%SR)	62	mg/Kg	0.	5/1/2002	JD	CT ETPH
SVOC Preparation						
Ultrasonic Extraction	Completed			4/29/2002	RT	SW846 3550B
Semivolatile Organic Compounds						
PAHs by GC/MS						
Naphthalene	310	ug/Kg	128	4/30/2002	MSL	SW846 8270C
2-Methylnaphthalene	270	ug/Kg	128	4/30/2002	MSL	SW846 8270C
1-Methylnaphthalene	210	ug/Kg	128	4/30/2002	MSL	SW846 8270C
Acenaphthylene	160	ug/Kg	128	4/30/2002	MSL	SW846 8270C
Acenaphthene	680	ug/Kg	128	4/30/2002	MSL	SW846 8270C
Fluorene	420	ug/Kg	128	4/30/2002	MSL	SW846 8270C
Phenanthrene	3,300	ug/Kg	128	4/30/2002	MSL	SW846 8270C
Anthracene	540	ug/Kg	128	4/30/2002	MSL	SW846 8270C
Fluoranthene	5,600	ug/Kg	128	4/30/2002	MSL	SW846 8270C
Pyrene	3,800	ug/Kg	128	4/30/2002	MSL	SW846 8270C
Benzo (a) anthracene	1,200	ug/Kg	128	4/30/2002	MSL	SW846 8270C
Chrysene	1,800	ug/Kg	128	4/30/2002	MSL	SW846 8270C
Benzo (b) fluoranthene	2,000	ug/Kg	128	4/30/2002	MSL	SW846 8270C
Benzo (k) fluoranthene	960	ug/Kg	128	4/30/2002	MSL	SW846 8270C
Benzo (a) pyrene	1,300	ug/Kg	128	4/30/2002	MSL	SW846 8270C
Indeno (1,2,3-cd) pyrene	910	ug/Kg	128	4/30/2002	MSL	SW846 8270C
Dibenzo (a,h) anthracene	Below det lim	ug/Kg	128	4/30/2002	MSL	SW846 8270C
Benzo (g,h,i) perylene	1,000	ug/Kg	128	4/30/2002	MSL	SW846 8270C
2-Fluorobiphenyl (%SR)	42	ug/Kg	0.000	4/30/2002	MSL	SW846 8270C
Terphenyl-d14 (%SR)	40	ug/Kg	0.000	4/30/2002	MSL	SW846 8270C
Semivolatile Organic Compounds						
Organochlorine Pesticides by GC						
Aldrin	27	ug/Kg	6.4	4/30/2002	MP	SW846 8081A
alpha-BHC	Below det lim	ug/Kg	6.4	4/30/2002	MP	SW846 8081A
beta-BHC	Below det lim	ug/Kg	6.4	4/30/2002	MP	SW846 8081A
delta-BHC	Below det lim	ug/Kg	6.4	4/30/2002	MP	SW846 8081A
gamma-BHC (Lindane)	Below det lim	ug/Kg	6.4	4/30/2002	MP	SW846 8081A
Chlordane	Below det lim	ug/Kg	30	4/30/2002	MP	SW846 8081A
4,4'-DDD	Below det lim	ug/Kg	6.4	4/30/2002	MP	SW846 8081A
4,4'-DDE	Below det lim	ug/Kg	6.4	4/30/2002	MP	SW846 8081A
4,4'-DDT	Below det lim	ug/Kg	6.4	4/30/2002	MP	SW846 8081A
Dieldrin	Below det lim	ug/Kg	6.4	4/30/2002	MP	SW846 8081A
Endosulfan I	Below det lim	ug/Kg	6.4	4/30/2002	MP	SW846 8081A
Endosulfan II	Below det lim	ug/Kg	6.4	4/30/2002	MP	SW846 8081A
Endosulfan sulfate	Below det lim	ug/Kg	6.4	4/30/2002	MP	SW846 8081A

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Parameter	Results	Units	PQL	Start Date	Analyst	Method
Endrin	Below det lim	ug/Kg	6.4	4/30/2002	MP	SW846 8081A
Endrin aldehyde	Below det lim	ug/Kg	6.4	4/30/2002	MP	SW846 8081A
Heptachlor	Below det lim	ug/Kg	6.4	4/30/2002	MP	SW846 8081A
Methoxychlor	Below det lim	ug/Kg	10	4/30/2002	MP	SW846 8081A
Heptachlor epoxide	27	ug/Kg	6.4	4/30/2002	MP	SW846 8081A
Toxaphene	Below det lim	ug/Kg	60	4/30/2002	MP	SW846 8081A
Decachlorobiphenyl (%SR)	70	ug/Kg	0.	4/30/2002	MP	SW846 8081A
Polychlorinated Biphenyls by GC						
PCB-1016	Below det lim	ug/Kg	26	4/30/2002	MP	SW846 8082
PCB-1221	Below det lim	ug/Kg	26	4/30/2002	MP	SW846 8082
PCB-1232	Below det lim	ug/Kg	26	4/30/2002	MP	SW846 8082
PCB-1242	Below det lim	ug/Kg	26	4/30/2002	MP	SW846 8082
PCB-1248	Below det lim	ug/Kg	26	4/30/2002	MP	SW846 8082
PCB-1254	Below det lim	ug/Kg	26	4/30/2002	MP	SW846 8082
PCB-1260	Below det lim	ug/Kg	26	4/30/2002	MP	SW846 8082
Decachlorobiphenyl (%SR)	70	ug/Kg	0.00	4/30/2002	MP	SW846 8082
Herbicides						
Chlorinated Herbicides						
2,4-D	Below det lim	ug/Kg	100	5/1/2002	MP	SW846 8151A
2,4,5-T	Below det lim	ug/Kg	20	5/1/2002	MP	SW846 8151A
2,4,5-TP(Silvex)	Below det lim	ug/Kg	20	5/1/2002	MP	SW846 8151A
Dinoseb	Below det lim	ug/Kg	10	5/1/2002	MP	SW846 8151A
Dicamba	Below det lim	ug/Kg	30	5/1/2002	MP	SW846 8151A
Dalapon	Below det lim	ug/Kg	500	5/1/2002	MP	SW846 8151A
Dichlorprop	Below det lim	ug/Kg	100	5/1/2002	MP	SW846 8151A
2,4-DB	Below det lim	ug/Kg	100	5/1/2002	MP	SW846 8151A
4,4'-DB-Octafluorobiphenyl (SR)	107	ug/Kg		5/1/2002	MP	SW846 8151A
Metals Preparation						
Mercury Digestion	Completed			4/26/2002	LFR	EPA 245.1
Mercury Digestion on Leachate	Completed			5/1/2002	LK	EPA 245.1
Metals Digestion	Completed			4/26/2002	LFR	EPA 200.7
Metals Digestion on Leachate	Completed			5/1/2002	LK	EPA 200.7
Metals Analysis						
SPLP RCRA8 Metals						
SPLP Arsenic	Below det lim	mg/L	0.015	5/1/2002	KS	1312/200.7
SPLP Barium	0.0339	mg/L	0.005	5/1/2002	KS	1312/200.7
SPLP Cadmium	Below det lim	mg/L	0.0025	5/1/2002	KS	1312/200.7
SPLP Chromium	Below det lim	mg/L	0.005	5/1/2002	KS	1312/200.7
SPLP Lead	Below det lim	mg/L	0.0075	5/1/2002	KS	1312/200.7
SPLP Selenium	Below det lim	mg/L	0.015	5/1/2002	KS	1312/200.7
SPLP Silver	Below det lim	mg/L	0.010	5/1/2002	KS	1312/200.7

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Collection Date: 4/23/2002
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Parameter	Results	Units	PQL	Start Date	Analyst	Method
SPLP Mercury	Below det lim	mg/L	0.0004	5/1/2002	EPR	1312/245.1
Total RCRA8 Metals						
Total Arsenic	Below det lim	mg/Kg	2.78	4/30/2002	KSR	EPA 200.7
Total Barium	69.9	mg/Kg	0.926	4/30/2002	KSR	EPA 200.7
Total Cadmium	1.22	mg/Kg	0.463	4/30/2002	KSR	EPA 200.7
Total Chromium	15.7	mg/Kg	0.926	4/30/2002	KSR	EPA 200.7
Total Lead	41.5	mg/Kg	1.39	4/30/2002	KSR	EPA 200.7
Total Selenium	Below det lim	mg/Kg	5.36	4/30/2002	KSR	EPA 200.7
Total Silver	Below det lim	mg/Kg	1.85	4/30/2002	KSR	EPA 200.7
Total Mercury	Below det lim	mg/Kg	0.177	5/1/2002	EPR	EPA 245.1
TCLP/SPLP Preparation						
SPLP Extraction for Metals	Completed			4/29/2002	HB	SW846 1312
% Solids	94.4	%		4/30/2002	AAS	SM2540 B Mod

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Collection Date: 4/23/2002
Matrix Ballast

Parameter	Results	Units	PQL	Start Date	Analyst	Method
VOC Preparation						
VOC Extraction (solid)	La bext			4/29/2002	AS	SW846 5035
Volatile Organic Compounds						
VOCs by GC/MS						
Acetone	Below det lim	ug/Kg	200	4/30/2002	RLJ	SW846 8260B
Acrylonitrile	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
Benzene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
Bromobenzene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
Bromochloromethane	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
Bromodichloromethane	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
Bromoform	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
Bromomethane	Below det lim	ug/Kg	20.0	4/30/2002	RLJ	SW846 8260B
2-Butanone (MEK)	Below det lim	ug/Kg	100	4/30/2002	RLJ	SW846 8260B
n-Butylbenzene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
sec-Butylbenzene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
tert-Butylbenzene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
Carbon disulfide	Below det lim	ug/Kg	50.0	4/30/2002	RLJ	SW846 8260B
Carbon tetrachloride	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
Chlorobenzene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
Chloroethane	Below det lim	ug/Kg	20.0	4/30/2002	RLJ	SW846 8260B
Chloroform	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
Chloromethane	Below det lim	ug/Kg	20.0	4/30/2002	RLJ	SW846 8260B
2-Chlorotoluene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
4-Chlorotoluene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	Below det lim	ug/Kg	20.0	4/30/2002	RLJ	SW846 8260B
Dibromochloromethane	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
1,2-Dibromoethane (EDB)	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
Dibromomethane	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
1,2-Dichlorobenzene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
1,3-Dichlorobenzene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
1,4-Dichlorobenzene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
Dichlorodifluoromethane	Below det lim	ug/Kg	20.0	4/30/2002	RLJ	SW846 8260B
1,1-Dichloroethane	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
1,2-Dichloroethane	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
1,1-Dichloroethene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
cis-1,2-Dichloroethene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
trans-1,2-Dichloroethene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
1,2-Dichloropropane	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
1,3-Dichloropropane	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
2,2-Dichloropropane	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
1,1-Dichloropropene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
cis-1,3-Dichloropropene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B

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Parameter	Results	Units	PQL	Start Date	Analyst	Method
trans-1,3-Dichloropropene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
Ethylbenzene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
Hexachlorobutadiene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
2-Hexanone (MBK)	Below det lim	ug/Kg	100	4/30/2002	RLJ	SW846 8260B
Isopropylbenzene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
4-Isopropyltoluene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
Methyl-tert-butyl ether (MTBE)	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
4-Methyl-2-pentanone (MIBK)	Below det lim	ug/Kg	100	4/30/2002	RLJ	SW846 8260B
Methylene chloride	Below det lim	ug/Kg	25.0	4/30/2002	RLJ	SW846 8260B
Naphthalene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
n-Propylbenzene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
Styrene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
1,1,1,2-Tetrachloroethane	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
1,1,2,2-Tetrachloroethane	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
Tetrachloroethene (PCE)	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
Toluene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
1,2,3-Trichlorobenzene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
1,2,4-Trichlorobenzene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
1,1,1-Trichloroethane	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
1,1,2-Trichloroethane	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
Trichloroethene (TCE)	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
Trichlorofluoromethane	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
1,2,3-Trichloropropane	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
1,2,4-Trimethylbenzene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
1,3,5-Trimethylbenzene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
Vinyl chloride	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
m,p-Xylenes	Below det lim	ug/Kg	20.0	4/30/2002	RLJ	SW846 8260B
o-Xylene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
4-Bromofluorobenzene (%SR)	107	ug/Kg	0.000	4/30/2002	RLJ	SW846 8260B
1,4-Difluorobenzene (%SR)	106	ug/Kg	0.000	4/30/2002	RLJ	SW846 8260B
Chlorobenzene-d5 (%SR)	112	ug/Kg	0.000	4/30/2002	RLJ	SW846 8260B
TPH Preparation						
Ultrasonic Extraction	Completed			4/29/2002	RT	SW846 3550B
Petroleum Hydrocarbon Analysis						
Extractable TPH						
Total Petroleum Hydrocarbons (C9-C36)	69	mg/Kg	10	5/1/2002	JD	CT ETPH
Gasoline	Below det lim	mg/Kg	10	5/1/2002	JD	CT ETPH
Fuel Oil #2	Below det lim	mg/Kg	10	5/1/2002	JD	CT ETPH
Fuel Oil #4	Below det lim	mg/Kg	10	5/1/2002	JD	CT ETPH
Fuel Oil #6	Below det lim	mg/Kg	10	5/1/2002	JD	CT ETPH
Motor Oil	Below det lim	mg/Kg	10	5/1/2002	JD	CT ETPH
Aviation Fuel	Below det lim	mg/Kg	10	5/1/2002	JD	CT ETPH

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Parameter	Results	Units	PQL	Start Date	Analyst	Method
Unidentified	69	mg/Kg	10	5/1/2002	JD	CT ETPH
Other Oil	*	mg/Kg	10	5/1/2002	JD	CT ETPH
1-Chloro-octadecane (%SR)	76	mg/Kg	0.	5/1/2002	JD	CT ETPH
SVOC Preparation						
Ultrasonic Extraction	Completed			4/29/2002	RT	SW846 3550B
Semivolatile Organic Compounds						
PAHs by GC/MS						
Naphthalene	Below det lim	ug/Kg	112	4/30/2002	MSL	SW846 8270C
2-Methylnaphthalene	Below det lim	ug/Kg	112	4/30/2002	MSL	SW846 8270C
1-Methylnaphthalene	Below det lim	ug/Kg	112	4/30/2002	MSL	SW846 8270C
Acenaphthylene	Below det lim	ug/Kg	112	4/30/2002	MSL	SW846 8270C
Acenaphthene	Below det lim	ug/Kg	112	4/30/2002	MSL	SW846 8270C
Fluorene	Below det lim	ug/Kg	112	4/30/2002	MSL	SW846 8270C
Phenanthrene	710	ug/Kg	112	4/30/2002	MSL	SW846 8270C
Anthracene	150	ug/Kg	112	4/30/2002	MSL	SW846 8270C
Fluoranthene	1,600	ug/Kg	112	4/30/2002	MSL	SW846 8270C
Pyrene	1,300	ug/Kg	112	4/30/2002	MSL	SW846 8270C
Benzo (a) anthracene	540	ug/Kg	112	4/30/2002	MSL	SW846 8270C
Chrysene	680	ug/Kg	112	4/30/2002	MSL	SW846 8270C
Benzo (b) fluoranthene	870	ug/Kg	112	4/30/2002	MSL	SW846 8270C
Benzo (k) fluoranthene	470	ug/Kg	112	4/30/2002	MSL	SW846 8270C
Benzo (a) pyrene	520	ug/Kg	112	4/30/2002	MSL	SW846 8270C
Indeno (1,2,3-cd) pyrene	380	ug/Kg	112	4/30/2002	MSL	SW846 8270C
Dibenzo (a,h) anthracene	Below det lim	ug/Kg	112	4/30/2002	MSL	SW846 8270C
Benzo (g,h,i) perylene	410	ug/Kg	112	4/30/2002	MSL	SW846 8270C
2-Fluorobiphenyl (%SR)	43	ug/Kg	0.000	4/30/2002	MSL	SW846 8270C
Terphenyl-d14 (%SR)	41	ug/Kg	0.000	4/30/2002	MSL	SW846 8270C
Semivolatile Organic Compounds						
Organochlorine Pesticides by GC						
Aldrin	Below det lim	ug/Kg	10	5/2/2002	MB	SW846 8081A
alpha-BHC	Below det lim	ug/Kg	10	5/2/2002	MB	SW846 8081A
beta-BHC	Below det lim	ug/Kg	10	5/2/2002	MB	SW846 8081A
delta-BHC	Below det lim	ug/Kg	10	5/2/2002	MB	SW846 8081A
gamma-BHC (Lindane)	Below det lim	ug/Kg	10	5/2/2002	MB	SW846 8081A
Chlordane	Below det lim	ug/Kg	40	5/2/2002	MB	SW846 8081A
4,4'-DDD	Below det lim	ug/Kg	10	5/2/2002	MB	SW846 8081A
4,4'-DDE	Below det lim	ug/Kg	10	5/2/2002	MB	SW846 8081A
4,4'-DDT	Below det lim	ug/Kg	10	5/2/2002	MB	SW846 8081A
Dieldrin	Below det lim	ug/Kg	10	5/2/2002	MB	SW846 8081A
Endosulfan I	Below det lim	ug/Kg	10	5/2/2002	MB	SW846 8081A
Endosulfan II	Below det lim	ug/Kg	10	5/2/2002	MB	SW846 8081A
Endosulfan sulfate	Below det lim	ug/Kg	10	5/2/2002	MB	SW846 8081A

Parameter	Results	Units	PQL	Start Date	Analyst	Method
Endrin	Below det lim	ug/Kg	10	5/2/2002	MB	SW846 8081A
Endrin aldehyde	Below det lim	ug/Kg	10	5/2/2002	MB	SW846 8081A
Heptachlor	Below det lim	ug/Kg	10	5/2/2002	MB	SW846 8081A
Methoxychlor	Below det lim	ug/Kg	20	5/2/2002	MB	SW846 8081A
Heptachlor epoxide	Below det lim	ug/Kg	10	5/2/2002	MB	SW846 8081A
Toxaphene	Below det lim	ug/Kg	100	5/2/2002	MB	SW846 8081A
Decachlorobiphenyl (%SR)	62	ug/Kg	0.	5/2/2002	MB	SW846 8081A
Polychlorinated Biphenyls by GC						
PCB-1016	Below det lim	ug/Kg	40	5/2/2002	MB	SW846 8082
PCB-1221	Below det lim	ug/Kg	40	5/2/2002	MB	SW846 8082
PCB-1232	Below det lim	ug/Kg	40	5/2/2002	MB	SW846 8082
PCB-1242	Below det lim	ug/Kg	40	5/2/2002	MB	SW846 8082
PCB-1248	Below det lim	ug/Kg	40	5/2/2002	MB	SW846 8082
PCB-1254	Below det lim	ug/Kg	40	5/2/2002	MB	SW846 8082
PCB-1260	Below det lim	ug/Kg	40	5/2/2002	MB	SW846 8082
Decachlorobiphenyl (%SR)	62	ug/Kg	0.00	5/2/2002	MB	SW846 8082
Herbicides						
Chlorinated Herbicides						
2,4-D	Below det lim	ug/Kg	100	5/1/2002	MP	SW846 8151A
2,4,5-T	Below det lim	ug/Kg	20	5/1/2002	MP	SW846 8151A
2,4,5-TP(Silvex)	Below det lim	ug/Kg	20	5/1/2002	MP	SW846 8151A
Dinoseb	Below det lim	ug/Kg	10	5/1/2002	MP	SW846 8151A
Dicamba	Below det lim	ug/Kg	30	5/1/2002	MP	SW846 8151A
Dalapon	Below det lim	ug/Kg	500	5/1/2002	MP	SW846 8151A
Dichlorprop	Below det lim	ug/Kg	100	5/1/2002	MP	SW846 8151A
2,4-DB	Below det lim	ug/Kg	100	5/1/2002	MP	SW846 8151A
4,4'-DB-Octafluorobiphenyl (SR)	85	ug/Kg		5/1/2002	MP	SW846 8151A
Metals Preparation						
Mercury Digestion	Completed			4/26/2002	LFR	EPA 245.1
Mercury Digestion on Leachate	Completed			5/1/2002	LK	EPA 245.1
Metals Digestion	Completed			4/26/2002	LFR	EPA 200.7
Metals Digestion on Leachate	Completed			5/1/2002	LK	EPA 200.7
Metals Analysis						
SPLP RCRA8 Metals						
SPLP Arsenic	Below det lim	mg/L	0.015	5/1/2002	KS	1312/200.7
SPLP Barium	0.0383	mg/L	0.005	5/1/2002	KS	1312/200.7
SPLP Cadmium	Below det lim	mg/L	0.0025	5/1/2002	KS	1312/200.7
SPLP Chromium	Below det lim	mg/L	0.005	5/1/2002	KS	1312/200.7
SPLP Lead	0.0082	mg/L	0.0075	5/1/2002	KS	1312/200.7
SPLP Selenium	Below det lim	mg/L	0.015	5/1/2002	KS	1312/200.7
SPLP Silver	Below det lim	mg/L	0.010	5/1/2002	KS	1312/200.7

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Parameter	Results	Units	PQL	Start Date	Analyst	Method
SPLP Mercury	Below det lim	mg/L	0.0004	5/1/2002	EPR	1312/245.1
Total RCRA8 Metals						
Total Arsenic	Below det lim	mg/Kg	2.51	4/30/2002	KSR	EPA 200.7
Total Barium	52.3	mg/Kg	0.836	4/30/2002	KSR	EPA 200.7
Total Cadmium	1.04	mg/Kg	0.418	4/30/2002	KSR	EPA 200.7
Total Chromium	12.2	mg/Kg	0.836	4/30/2002	KSR	EPA 200.7
Total Lead	37.8	mg/Kg	1.25	4/30/2002	KSR	EPA 200.7
Total Selenium	Below det lim	mg/Kg	4.40	4/30/2002	KSR	EPA 200.7
Total Silver	Below det lim	mg/Kg	1.67	4/30/2002	KSR	EPA 200.7
Total Mercury	Below det lim	mg/Kg	0.160	5/1/2002	EPR	EPA 245.1
TCLP/SPLP Preparation						
SPLP Extraction for Metals	Completed			4/29/2002	HB	SW846 1312

APPENDIX C
Railroad Tie Sample Laboratory Reports

Parameter	Results	Units	PQL	Start Date	Analyst	Method
trans-1,3-Dichloropropene	Below det lim	ug/Kg	2120	4/30/2002	RLJ	SW846 8260B
Ethylbenzene	Below det lim	ug/Kg	2120	4/30/2002	RLJ	SW846 8260B
Hexachlorobutadiene	Below det lim	ug/Kg	2120	4/30/2002	RLJ	SW846 8260B
2-Hexanone (MBK)	Below det lim	ug/Kg	21200	4/30/2002	RLJ	SW846 8260B
Isopropylbenzene	Below det lim	ug/Kg	2120	4/30/2002	RLJ	SW846 8260B
4-Isopropyltoluene	Below det lim	ug/Kg	2120	4/30/2002	RLJ	SW846 8260B
Methyl-tert-butyl ether (MTBE)	Below det lim	ug/Kg	2120	4/30/2002	RLJ	SW846 8260B
4-Methyl-2-pentanone (MIBK)	Below det lim	ug/Kg	21200	4/30/2002	RLJ	SW846 8260B
Methylene chloride	Below det lim	ug/Kg	4300	4/30/2002	RLJ	SW846 8260B
Naphthalene	1,654,100	ug/Kg	42490	4/30/2002	RLJ	SW846 8260B
n-Propylbenzene	Below det lim	ug/Kg	2120	4/30/2002	RLJ	SW846 8260B
Styrene	Below det lim	ug/Kg	2120	4/30/2002	RLJ	SW846 8260B
1,1,1,2-Tetrachloroethane	Below det lim	ug/Kg	2120	4/30/2002	RLJ	SW846 8260B
1,1,2,2-Tetrachloroethane	Below det lim	ug/Kg	2120	4/30/2002	RLJ	SW846 8260B
Tetrachloroethene (PCE)	Below det lim	ug/Kg	2120	4/30/2002	RLJ	SW846 8260B
Toluene	Below det lim	ug/Kg	2120	4/30/2002	RLJ	SW846 8260B
1,2,3-Trichlorobenzene	Below det lim	ug/Kg	2120	4/30/2002	RLJ	SW846 8260B
1,2,4-Trichlorobenzene	Below det lim	ug/Kg	2120	4/30/2002	RLJ	SW846 8260B
1,1,1-Trichloroethane	Below det lim	ug/Kg	2120	4/30/2002	RLJ	SW846 8260B
1,1,2-Trichloroethane	Below det lim	ug/Kg	2120	4/30/2002	RLJ	SW846 8260B
Trichloroethene (TCE)	Below det lim	ug/Kg	2120	4/30/2002	RLJ	SW846 8260B
Trichlorofluoromethane	Below det lim	ug/Kg	2120	4/30/2002	RLJ	SW846 8260B
1,2,3-Trichloropropane	Below det lim	ug/Kg	2120	4/30/2002	RLJ	SW846 8260B
1,2,4-Trimethylbenzene	Below det lim	ug/Kg	2120	4/30/2002	RLJ	SW846 8260B
1,3,5-Trimethylbenzene	Below det lim	ug/Kg	2120	4/30/2002	RLJ	SW846 8260B
Vinyl chloride	Below det lim	ug/Kg	2120	4/30/2002	RLJ	SW846 8260B
m,p-Xylenes	Below det lim	ug/Kg	4250	4/30/2002	RLJ	SW846 8260B
o-Xylene	Below det lim	ug/Kg	2120	4/30/2002	RLJ	SW846 8260B
4-Bromofluorobenzene (%SR)	101	ug/Kg	0.000	4/30/2002	RLJ	SW846 8260B
1,4-Difluorobenzene (%SR)	106	ug/Kg	0.000	4/30/2002	RLJ	SW846 8260B
Chlorobenzene-d5 (%SR)	107	ug/Kg	0.000	4/30/2002	RLJ	SW846 8260B
TPH Preparation						
Ultrasonic Extraction	Completed			4/29/2002	RT	SW846 3550B
Petroleum Hydrocarbon Analysis						
Extractable TPH						
Total Petroleum Hydrocarbons (C9-C36)	17,000	mg/Kg	30	5/1/2002	JD	CT ETPH
Gasoline	Below det lim	mg/Kg	30	5/1/2002	JD	CT ETPH
Fuel Oil #2	Below det lim	mg/Kg	30	5/1/2002	JD	CT ETPH
Fuel Oil #4	Below det lim	mg/Kg	30	5/1/2002	JD	CT ETPH
Fuel Oil #6	Below det lim	mg/Kg	30	5/1/2002	JD	CT ETPH
Motor Oil	Below det lim	mg/Kg	30	5/1/2002	JD	CT ETPH
Aviation Fuel	Below det lim	mg/Kg	30	5/1/2002	JD	CT ETPH

Lab ID No: AD11640
Client Id: T-1

Collection Date: 4/23/2002
Matrix Railroad Ties

Parameter	Results	Units	PQL	Start Date	Analyst	Method
Unidentified	17,000	mg/Kg	30	5/1/2002	JD	CT ETPH
Other Oil	*	mg/Kg	30	5/1/2002	JD	CT ETPH
1-Chloro-octadecane (%SR)	84	mg/Kg	0.	5/1/2002	JD	CT ETPH
SVOC Preparation						
Ultrasonic Extraction	Completed			4/29/2002	RT	SW846 3550B
Semivolatile Organic Compounds						
Semivolatiles by GC/MS						
Pyridine	Below det lim	ug/Kg	1600	5/1/2002	MSL	SW846 8270C
n-Nitrosodimethylamine	Below det lim	ug/Kg	1600	5/1/2002	MSL	SW846 8270C
Aniline	Below det lim	ug/Kg	1600	5/1/2002	MSL	SW846 8270C
Bis (2-chloroethyl) ether	Below det lim	ug/Kg	1600	5/1/2002	MSL	SW846 8270C
Phenol	Below det lim	ug/Kg	1600	5/1/2002	MSL	SW846 8270C
2-Chlorophenol	Below det lim	ug/Kg	1600	5/1/2002	MSL	SW846 8270C
1,3-Dichlorobenzene	Below det lim	ug/Kg	1600	5/1/2002	MSL	SW846 8270C
1,4-Dichlorobenzene	Below det lim	ug/Kg	1600	5/1/2002	MSL	SW846 8270C
1,2-Dichlorobenzene	Below det lim	ug/Kg	1600	5/1/2002	MSL	SW846 8270C
Benzyl alcohol	Below det lim	ug/Kg	1600	5/1/2002	MSL	SW846 8270C
Bis (2-chloroisopropyl) ether	Below det lim	ug/Kg	1600	5/1/2002	MSL	SW846 8270C
2-Methylphenol (o-cresol)	Below det lim	ug/Kg	1600	5/1/2002	MSL	SW846 8270C
Hexachloroethane	Below det lim	ug/Kg	1600	5/1/2002	MSL	SW846 8270C
n-Nitroso-di-n-propylamine	Below det lim	ug/Kg	1600	5/1/2002	MSL	SW846 8270C
3-Methylphenol (m-cresol)	Below det lim	ug/Kg	1600	5/1/2002	MSL	SW846 8270C
4-Methylphenol (p-cresol)	2,100	ug/Kg	1600	5/1/2002	MSL	SW846 8270C
Nitrobenzene	Below det lim	ug/Kg	1600	5/1/2002	MSL	SW846 8270C
Isophorone	Below det lim	ug/Kg	1600	5/1/2002	MSL	SW846 8270C
2-Nitrophenol	Below det lim	ug/Kg	1600	5/1/2002	MSL	SW846 8270C
2,4-Dimethylphenol	Below det lim	ug/Kg	1600	5/1/2002	MSL	SW846 8270C
Bis (2-chloroethoxy) methane	Below det lim	ug/Kg	1600	5/1/2002	MSL	SW846 8270C
2,4-Dichlorophenol	Below det lim	ug/Kg	1600	5/1/2002	MSL	SW846 8270C
1,2,4-Trichlorobenzene	Below det lim	ug/Kg	1600	5/1/2002	MSL	SW846 8270C
Benzoic acid	Below det lim	ug/Kg	1600	5/1/2002	MSL	SW846 8270C
Naphthalene	260,000	ug/Kg	1600	5/1/2002	MSL	SW846 8270C
4-Chloroaniline	Below det lim	ug/Kg	1600	5/1/2002	MSL	SW846 8270C
Hexachlorobutadiene	Below det lim	ug/Kg	1600	5/1/2002	MSL	SW846 8270C
4-Chloro-3-methylphenol	Below det lim	ug/Kg	1600	5/1/2002	MSL	SW846 8270C
2-Methylnaphthalene	210,000	ug/Kg	1600	5/1/2002	MSL	SW846 8270C
Hexachlorocyclopentadiene	Below det lim	ug/Kg	1600	5/1/2002	MSL	SW846 8270C
2,4,6-Trichlorophenol	Below det lim	ug/Kg	1600	5/1/2002	MSL	SW846 8270C
2,4,5-Trichlorophenol	Below det lim	ug/Kg	1600	5/1/2002	MSL	SW846 8270C
2-Chloronaphthalene	Below det lim	ug/Kg	1600	5/1/2002	MSL	SW846 8270C
2-Nitroaniline	Below det lim	ug/Kg	1600	5/1/2002	MSL	SW846 8270C
Acenaphthylene	9,600	ug/Kg	1600	5/1/2002	MSL	SW846 8270C

Lab ID No: AD11640
Client Id: T-1

Collection Date: 4/23/2002
Matrix Railroad Ties

Parameter	Results	Units	PQL	Start Date	Analyst	Method
Dimethylphthalate	Below det lim	ug/Kg	1600	5/1/2002	MSL	SW846 8270C
2,6-Dinitrotoluene	Below det lim	ug/Kg	1600	5/1/2002	MSL	SW846 8270C
Acenaphthene	510,000	ug/Kg	1600	5/1/2002	MSL	SW846 8270C
3-Nitroaniline	Below det lim	ug/Kg	1600	5/1/2002	MSL	SW846 8270C
2,4-Dinitrophenol	Below det lim	ug/Kg	1600	5/1/2002	MSL	SW846 8270C
Dibenzofuran	360,000	ug/Kg	1600	5/1/2002	MSL	SW846 8270C
2,4-Dinitrotoluene	Below det lim	ug/Kg	1600	5/1/2002	MSL	SW846 8270C
4-Nitrophenol	Below det lim	ug/Kg	1600	5/1/2002	MSL	SW846 8270C
Fluorene	520,000	ug/Kg	1600	5/1/2002	MSL	SW846 8270C
4-Chlorophenyl phenyl ether	Below det lim	ug/Kg	1600	5/1/2002	MSL	SW846 8270C
Diethyl phthalate	Below det lim	ug/Kg	1600	5/1/2002	MSL	SW846 8270C
4-Nitroaniline	Below det lim	ug/Kg	1600	5/1/2002	MSL	SW846 8270C
4,6-Dinitro-2-methylphenol	Below det lim	ug/Kg	1600	5/1/2002	MSL	SW846 8270C
n-Nitrosodiphenylamine	Below det lim	ug/Kg	1600	5/1/2002	MSL	SW846 8270C
Azobenzene/Diphenyldiazine	Below det lim	ug/Kg	1600	5/1/2002	MSL	SW846 8270C
4-Bromophenyl phenyl ether	Below det lim	ug/Kg	1600	5/1/2002	MSL	SW846 8270C
Hexachlorobenzene	Below det lim	ug/Kg	1600	5/1/2002	MSL	SW846 8270C
Pentachlorophenol	Below det lim	ug/Kg	1600	5/1/2002	MSL	SW846 8270C
Phenanthrene	2,170,000	ug/Kg	1600	5/1/2002	MSL	SW846 8270C
Anthracene	550,000	ug/Kg	1600	5/1/2002	MSL	SW846 8270C
Carbazole	Below det lim	ug/Kg	1600	5/1/2002	MSL	SW846 8270C
Di-n-butylphthalate	Below det lim	ug/Kg	1600	5/1/2002	MSL	SW846 8270C
Fluoranthene	2,020,000	ug/Kg	1600	5/1/2002	MSL	SW846 8270C
Benzidine	Below det lim	ug/Kg	1600	5/1/2002	MSL	SW846 8270C
Pyrene	1,080,000	ug/Kg	1600	5/1/2002	MSL	SW846 8270C
Butyl benzyl phthalate	Below det lim	ug/Kg	1600	5/1/2002	MSL	SW846 8270C
3,3'-Dichlorobenzidine	Below det lim	ug/Kg	1600	5/1/2002	MSL	SW846 8270C
Benzo (a) anthracene	320,000	ug/Kg	1600	5/1/2002	MSL	SW846 8270C
Chrysene	370,000	ug/Kg	1600	5/1/2002	MSL	SW846 8270C
Bis (2-ethylhexyl) phthalate	Below det lim	ug/Kg	1600	5/1/2002	MSL	SW846 8270C
Di-n-octylphthalate	Below det lim	ug/Kg	1600	5/1/2002	MSL	SW846 8270C
Benzo (b) fluoranthene	210,000	ug/Kg	1600	5/1/2002	MSL	SW846 8270C
Benzo (k) fluoranthene	120,000	ug/Kg	1600	5/1/2002	MSL	SW846 8270C
Benzo (a) pyrene	110,000	ug/Kg	1600	5/1/2002	MSL	SW846 8270C
Indeno (1,2,3-cd) pyrene	47,000	ug/Kg	1600	5/1/2002	MSL	SW846 8270C
Dibenz (a,h) anthracene	12,000	ug/Kg	1600	5/1/2002	MSL	SW846 8270C
Benzo (g,h,i) perylene	39,000	ug/Kg	1600	5/1/2002	MSL	SW846 8270C
2-Fluorobiphenyl (%SR)	80	ug/Kg	0.000	5/1/2002	MSL	SW846 8270C
2-Fluorophenol (%SR)	77	ug/Kg	0.000	5/1/2002	MSL	SW846 8270C
Nitrobenzene-d5 (%SR)	71	ug/Kg	0.000	5/1/2002	MSL	SW846 8270C
Phenol-d5 (%SR)	76	ug/Kg	0.000	5/1/2002	MSL	SW846 8270C
Terphenyl-d14 (%SR)	72	ug/Kg	0.000	5/1/2002	MSL	SW846 8270C
2,4,6-Tribromophenol (%SR)	74	ug/Kg	0.000	5/1/2002	MSL	SW846 8270C

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Parameter	Results	Units	PQL	Start Date	Analyst	Method
Semivolatile Organic Compounds						
Organochlorine Pesticides by GC						
Aldrin	Below det lim	ug/Kg	1945	5/2/2002	MB	SW846 8081A
alpha-BHC	Below det lim	ug/Kg	19	5/2/2002	MB	SW846 8081A
beta-BHC	Below det lim	ug/Kg	19	5/2/2002	MB	SW846 8081A
delta-BHC	Below det lim	ug/Kg	19	5/2/2002	MB	SW846 8081A
gamma-BHC (Lindane)	Below det lim	ug/Kg	19	5/2/2002	MB	SW846 8081A
Chlordane	Below det lim	ug/Kg	80	5/2/2002	MB	SW846 8081A
4,4'-DDD	Below det lim	ug/Kg	19	5/2/2002	MB	SW846 8081A
4,4'-DDE	Below det lim	ug/Kg	19	5/2/2002	MB	SW846 8081A
4,4'-DDT	Below det lim	ug/Kg	19	5/2/2002	MB	SW846 8081A
Dieldrin	Below det lim	ug/Kg	19	5/2/2002	MB	SW846 8081A
Endosulfan I	Below det lim	ug/Kg	19	5/2/2002	MB	SW846 8081A
Endosulfan II	Below det lim	ug/Kg	19	5/2/2002	MB	SW846 8081A
Endosulfan sulfate	Below det lim	ug/Kg	19	5/2/2002	MB	SW846 8081A
Endrin	Below det lim	ug/Kg	19	5/2/2002	MB	SW846 8081A
Endrin aldehyde	Below det lim	ug/Kg	19	5/2/2002	MB	SW846 8081A
Heptachlor	Below det lim	ug/Kg	19	5/2/2002	MB	SW846 8081A
Methoxychlor	Below det lim	ug/Kg	40	5/2/2002	MB	SW846 8081A
Heptachlor epoxide	Below det lim	ug/Kg	19	5/2/2002	MB	SW846 8081A
Toxaphene	Below det lim	ug/Kg	200	5/2/2002	MB	SW846 8081A
Decachlorobiphenyl (%SR)	Below det lim	ug/Kg	0.	5/2/2002	MB	SW846 8081A
Polychlorinated Biphenyls by GC						
PCB-1016	Below det lim	ug/Kg	78	5/2/2002	MB	SW846 8082
PCB-1221	Below det lim	ug/Kg	78	5/2/2002	MB	SW846 8082
PCB-1232	Below det lim	ug/Kg	78	5/2/2002	MB	SW846 8082
PCB-1242	Below det lim	ug/Kg	78	5/2/2002	MB	SW846 8082
PCB-1248	Below det lim	ug/Kg	78	5/2/2002	MB	SW846 8082
PCB-1254	Below det lim	ug/Kg	78	5/2/2002	MB	SW846 8082
PCB-1260	Below det lim	ug/Kg	78	5/2/2002	MB	SW846 8082
Decachlorobiphenyl (%SR)	90	ug/Kg	0.00	5/2/2002	MB	SW846 8082
Metals Preparation						
Mercury Digestion	Completed			4/26/2002	LFR	EPA 245.1
Mercury Digestion on Leachate	Completed			5/1/2002	LK	EPA 245.1
Metals Digestion	Completed			4/26/2002	LFR	EPA 200.7
Metals Digestion on Leachate	Completed			5/1/2002	LK	EPA 200.7
Metals Analysis						
TCLP Mercury	Below det lim	mg/L	0.0004	5/1/2002	EPR	1311/245.1
TCLP RCRA8 Metals						
TCLP Arsenic	Below det lim	mg/L	0.015	5/1/2002	KS	1311/200.7
TCLP Barium	0.263	mg/L	0.005	5/1/2002	KS	1311/200.7
TCLP Cadmium	0.0028	mg/L	0.0025	5/1/2002	KS	1311/200.7

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Parameter	Results	Units	PQL	Start Date	Analyst	Method
TCLP Chromium	Below det lim	mg/L	0.005	5/1/2002	KS	1311/200.7
TCLP Lead	0.161	mg/L	0.0075	5/1/2002	KS	1311/200.7
TCLP Selenium	Below det lim	mg/L	0.015	5/1/2002	KS	1311/200.7
TCLP Silver	Below det lim	mg/L	0.010	5/1/2002	KS	1311/200.7
Total RCRA8 Metals						
Total Arsenic	Below det lim	mg/Kg	2.89	4/30/2002	KSR	EPA 200.7
Total Barium	23.5	mg/Kg	0.962	4/30/2002	KSR	EPA 200.7
Total Cadmium	Below det lim	mg/Kg	0.481	4/30/2002	KSR	EPA 200.7
Total Chromium	2.84	mg/Kg	0.962	4/30/2002	KSR	EPA 200.7
Total Lead	5.08	mg/Kg	1.44	4/30/2002	KSR	EPA 200.7
Total Selenium	Below det lim	mg/Kg	2.89	4/30/2002	KSR	EPA 200.7
Total Silver	Below det lim	mg/Kg	1.92	4/30/2002	KSR	EPA 200.7
Total Mercury	Below det lim	mg/Kg	0.159	5/1/2002	EPR	EPA 245.1
TCLP/SPLP Preparation						
TCLP Extraction for Metals	Completed			4/29/2002	HB	SW846 1311
General Chemistry						
Total Cyanide	Below det lim	mg/Kg	1.0	4/30/2002	JAK	SW846 9012

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Parameter	Results	Units	PQL	Start Date	Analyst	Method
VOC Preparation						
VOC Extraction (solid)	Lab ext			4/29/2002	AS	SW846 5035
Volatile Organic Compounds						
VOCs by GC/MS						
Acetone	Below det lim	ug/Kg	95200	4/30/2002	RLJ	SW846 8260B
Acrylonitrile	Below det lim	ug/Kg	4760	4/30/2002	RLJ	SW846 8260B
Benzene	Below det lim	ug/Kg	4760	4/30/2002	RLJ	SW846 8260B
Bromobenzene	Below det lim	ug/Kg	4760	4/30/2002	RLJ	SW846 8260B
Bromochloromethane	Below det lim	ug/Kg	4760	4/30/2002	RLJ	SW846 8260B
Bromodichloromethane	Below det lim	ug/Kg	4760	4/30/2002	RLJ	SW846 8260B
Bromoform	Below det lim	ug/Kg	4760	4/30/2002	RLJ	SW846 8260B
Bromomethane	Below det lim	ug/Kg	9520	4/30/2002	RLJ	SW846 8260B
2-Butanone (MEK)	Below det lim	ug/Kg	47600	4/30/2002	RLJ	SW846 8260B
n-Butylbenzene	Below det lim	ug/Kg	4760	4/30/2002	RLJ	SW846 8260B
sec-Butylbenzene	Below det lim	ug/Kg	4760	4/30/2002	RLJ	SW846 8260B
tert-Butylbenzene	Below det lim	ug/Kg	4760	4/30/2002	RLJ	SW846 8260B
Carbon disulfide	Below det lim	ug/Kg	23800	4/30/2002	RLJ	SW846 8260B
Carbon tetrachloride	Below det lim	ug/Kg	4760	4/30/2002	RLJ	SW846 8260B
Chlorobenzene	Below det lim	ug/Kg	4760	4/30/2002	RLJ	SW846 8260B
Chloroethane	Below det lim	ug/Kg	9520	4/30/2002	RLJ	SW846 8260B
Chloroform	Below det lim	ug/Kg	4760	4/30/2002	RLJ	SW846 8260B
Chloromethane	Below det lim	ug/Kg	9520	4/30/2002	RLJ	SW846 8260B
2-Chlorotoluene	Below det lim	ug/Kg	4760	4/30/2002	RLJ	SW846 8260B
4-Chlorotoluene	Below det lim	ug/Kg	4760	4/30/2002	RLJ	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	Below det lim	ug/Kg	9520	4/30/2002	RLJ	SW846 8260B
Dibromochloromethane	Below det lim	ug/Kg	4760	4/30/2002	RLJ	SW846 8260B
1,2-Dibromoethane (EDB)	Below det lim	ug/Kg	4760	4/30/2002	RLJ	SW846 8260B
Dibromomethane	Below det lim	ug/Kg	4760	4/30/2002	RLJ	SW846 8260B
1,2-Dichlorobenzene	Below det lim	ug/Kg	4760	4/30/2002	RLJ	SW846 8260B
1,3-Dichlorobenzene	Below det lim	ug/Kg	4760	4/30/2002	RLJ	SW846 8260B
1,4-Dichlorobenzene	Below det lim	ug/Kg	4760	4/30/2002	RLJ	SW846 8260B
Dichlorodifluoromethane	Below det lim	ug/Kg	9520	4/30/2002	RLJ	SW846 8260B
1,1-Dichloroethane	Below det lim	ug/Kg	4760	4/30/2002	RLJ	SW846 8260B
1,2-Dichloroethane	Below det lim	ug/Kg	4760	4/30/2002	RLJ	SW846 8260B
1,1-Dichloroethene	Below det lim	ug/Kg	4760	4/30/2002	RLJ	SW846 8260B
cis-1,2-Dichloroethene	Below det lim	ug/Kg	4760	4/30/2002	RLJ	SW846 8260B
trans-1,2-Dichloroethene	Below det lim	ug/Kg	4760	4/30/2002	RLJ	SW846 8260B
1,2-Dichloropropane	Below det lim	ug/Kg	4760	4/30/2002	RLJ	SW846 8260B
1,3-Dichloropropane	Below det lim	ug/Kg	4760	4/30/2002	RLJ	SW846 8260B
2,2-Dichloropropane	Below det lim	ug/Kg	4760	4/30/2002	RLJ	SW846 8260B
1,1-Dichloropropene	Below det lim	ug/Kg	4760	4/30/2002	RLJ	SW846 8260B
cis-1,3-Dichloropropene	Below det lim	ug/Kg	4760	4/30/2002	RLJ	SW846 8260B

Parameter	Results	Units	PQL	Start Date	Analyst	Method
trans-1,3-Dichloropropene	Below det lim	ug/Kg	4760	4/30/2002	RLJ	SW846 8260B
Ethylbenzene	Below det lim	ug/Kg	4760	4/30/2002	RLJ	SW846 8260B
Hexachlorobutadiene	Below det lim	ug/Kg	4760	4/30/2002	RLJ	SW846 8260B
2-Hexanone (MBK)	Below det lim	ug/Kg	47600	4/30/2002	RLJ	SW846 8260B
Isopropylbenzene	Below det lim	ug/Kg	4760	4/30/2002	RLJ	SW846 8260B
4-Isopropyltoluene	Below det lim	ug/Kg	4760	4/30/2002	RLJ	SW846 8260B
Methyl-tert-butyl ether (MTBE)	Below det lim	ug/Kg	4760	4/30/2002	RLJ	SW846 8260B
4-Methyl-2-pentanone (MIBK)	Below det lim	ug/Kg	47600	4/30/2002	RLJ	SW846 8260B
Methylene chloride	Below det lim	ug/Kg	9600	4/30/2002	RLJ	SW846 8260B
Naphthalene	4,003,300	ug/Kg	47619	4/30/2002	RLJ	SW846 8260B
n-Propylbenzene	Below det lim	ug/Kg	4760	4/30/2002	RLJ	SW846 8260B
Styrene	Below det lim	ug/Kg	4760	4/30/2002	RLJ	SW846 8260B
1,1,1,2-Tetrachloroethane	Below det lim	ug/Kg	4760	4/30/2002	RLJ	SW846 8260B
1,1,2,2-Tetrachloroethane	Below det lim	ug/Kg	4760	4/30/2002	RLJ	SW846 8260B
Tetrachloroethene (PCE)	Below det lim	ug/Kg	4760	4/30/2002	RLJ	SW846 8260B
Toluene	Below det lim	ug/Kg	4760	4/30/2002	RLJ	SW846 8260B
1,2,3-Trichlorobenzene	Below det lim	ug/Kg	4760	4/30/2002	RLJ	SW846 8260B
1,2,4-Trichlorobenzene	Below det lim	ug/Kg	4760	4/30/2002	RLJ	SW846 8260B
1,1,1-Trichloroethane	Below det lim	ug/Kg	4760	4/30/2002	RLJ	SW846 8260B
1,1,2-Trichloroethane	Below det lim	ug/Kg	4760	4/30/2002	RLJ	SW846 8260B
Trichloroethene (TCE)	Below det lim	ug/Kg	4760	4/30/2002	RLJ	SW846 8260B
Trichlorofluoromethane	Below det lim	ug/Kg	4760	4/30/2002	RLJ	SW846 8260B
1,2,3-Trichloropropane	Below det lim	ug/Kg	4760	4/30/2002	RLJ	SW846 8260B
1,2,4-Trimethylbenzene	Below det lim	ug/Kg	4760	4/30/2002	RLJ	SW846 8260B
1,3,5-Trimethylbenzene	Below det lim	ug/Kg	4760	4/30/2002	RLJ	SW846 8260B
Vinyl chloride	Below det lim	ug/Kg	4760	4/30/2002	RLJ	SW846 8260B
m,p-Xylenes	Below det lim	ug/Kg	9520	4/30/2002	RLJ	SW846 8260B
o-Xylene	Below det lim	ug/Kg	4760	4/30/2002	RLJ	SW846 8260B
4-Bromofluorobenzene (%SR)	98	ug/Kg	0.000	4/30/2002	RLJ	SW846 8260B
1,4-Difluorobenzene (%SR)	106	ug/Kg	0.000	4/30/2002	RLJ	SW846 8260B
Chlorobenzene-d5 (%SR)	105	ug/Kg	0.000	4/30/2002	RLJ	SW846 8260B
TPH Preparation						
Ultrasonic Extraction	Completed			4/29/2002	RT	SW846 3550B
Petroleum Hydrocarbon Analysis						
Extractable TPH						
Total Petroleum Hydrocarbons (C9-C36)	16,000	mg/Kg	30	5/1/2002	JD	CT ETPH
Gasoline	Below det lim	mg/Kg	30	5/1/2002	JD	CT ETPH
Fuel Oil #2	Below det lim	mg/Kg	30	5/1/2002	JD	CT ETPH
Fuel Oil #4	Below det lim	mg/Kg	30	5/1/2002	JD	CT ETPH
Fuel Oil #6	Below det lim	mg/Kg	30	5/1/2002	JD	CT ETPH
Motor Oil	Below det lim	mg/Kg	30	5/1/2002	JD	CT ETPH
Aviation Fuel	Below det lim	mg/Kg	30	5/1/2002	JD	CT ETPH

Parameter	Results	Units	PQL	Start Date	Analyst	Method
Unidentified	16,000	mg/Kg	30	5/1/2002	JD	CT ETPH
Other Oil	*	mg/Kg	30	5/1/2002	JD	CT ETPH
1-Chloro-octadecane (%SR)	86	mg/Kg	0.	5/1/2002	JD	CT ETPH
SVOC Preparation						
Ultrasonic Extraction	Completed			4/29/2002	RT	SW846 3550B
Semivolatile Organic Compounds						
Semivolatiles by GC/MS						
Pyridine	Below det lim	ug/Kg	1350	5/1/2002	MSL	SW846 8270C
n-Nitrosodimethylamine	Below det lim	ug/Kg	1350	5/1/2002	MSL	SW846 8270C
Aniline	Below det lim	ug/Kg	1350	5/1/2002	MSL	SW846 8270C
Bis (2-chloroethyl) ether	Below det lim	ug/Kg	1350	5/1/2002	MSL	SW846 8270C
Phenol	2,700	ug/Kg	1350	5/1/2002	MSL	SW846 8270C
2-Chlorophenol	Below det lim	ug/Kg	1350	5/1/2002	MSL	SW846 8270C
1,3-Dichlorobenzene	Below det lim	ug/Kg	1350	5/1/2002	MSL	SW846 8270C
1,4-Dichlorobenzene	Below det lim	ug/Kg	1350	5/1/2002	MSL	SW846 8270C
1,2-Dichlorobenzene	Below det lim	ug/Kg	1350	5/1/2002	MSL	SW846 8270C
Benzyl alcohol	Below det lim	ug/Kg	1350	5/1/2002	MSL	SW846 8270C
Bis (2-chloroisopropyl) ether	Below det lim	ug/Kg	1350	5/1/2002	MSL	SW846 8270C
2-Methylphenol (o-cresol)	3,800	ug/Kg	1350	5/1/2002	MSL	SW846 8270C
Hexachloroethane	Below det lim	ug/Kg	1350	5/1/2002	MSL	SW846 8270C
n-Nitroso-di-n-propylamine	Below det lim	ug/Kg	1350	5/1/2002	MSL	SW846 8270C
3-Methylphenol (m-cresol)	Below det lim	ug/Kg	1350	5/1/2002	MSL	SW846 8270C
4-Methylphenol (p-cresol)	8,700	ug/Kg	1350	5/1/2002	MSL	SW846 8270C
Nitrobenzene	Below det lim	ug/Kg	1350	5/1/2002	MSL	SW846 8270C
Isophorone	Below det lim	ug/Kg	1350	5/1/2002	MSL	SW846 8270C
2-Nitrophenol	Below det lim	ug/Kg	1350	5/1/2002	MSL	SW846 8270C
2,4-Dimethylphenol	4,100	ug/Kg	1350	5/1/2002	MSL	SW846 8270C
Bis (2-chloroethoxy) methane	Below det lim	ug/Kg	1350	5/1/2002	MSL	SW846 8270C
2,4-Dichlorophenol	Below det lim	ug/Kg	1350	5/1/2002	MSL	SW846 8270C
1,2,4-Trichlorobenzene	Below det lim	ug/Kg	1350	5/1/2002	MSL	SW846 8270C
Benzoic acid	Below det lim	ug/Kg	1350	5/1/2002	MSL	SW846 8270C
Naphthalene	700,000	ug/Kg	1350	5/1/2002	MSL	SW846 8270C
4-Chloroaniline	Below det lim	ug/Kg	1350	5/1/2002	MSL	SW846 8270C
Hexachlorobutadiene	Below det lim	ug/Kg	1350	5/1/2002	MSL	SW846 8270C
4-Chloro-3-methylphenol	Below det lim	ug/Kg	1350	5/1/2002	MSL	SW846 8270C
2-Methylnaphthalene	400,000	ug/Kg	1350	5/1/2002	MSL	SW846 8270C
Hexachlorocyclopentadiene	Below det lim	ug/Kg	1350	5/1/2002	MSL	SW846 8270C
2,4,6-Trichlorophenol	Below det lim	ug/Kg	1350	5/1/2002	MSL	SW846 8270C
2,4,5-Trichlorophenol	Below det lim	ug/Kg	1350	5/1/2002	MSL	SW846 8270C
2-Chloronaphthalene	Below det lim	ug/Kg	1350	5/1/2002	MSL	SW846 8270C
2-Nitroaniline	Below det lim	ug/Kg	1350	5/1/2002	MSL	SW846 8270C
Acenaphthylene	12,000	ug/Kg	1350	5/1/2002	MSL	SW846 8270C

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Parameter	Results	Units	PQL	Start Date	Analyst	Method
Dimethylphthalate	Below det lim	ug/Kg	1350	5/1/2002	MSL	SW846 8270C
2,6-Dinitrotoluene	Below det lim	ug/Kg	1350	5/1/2002	MSL	SW846 8270C
Acenaphthene	620,000	ug/Kg	1350	5/1/2002	MSL	SW846 8270C
3-Nitroaniline	Below det lim	ug/Kg	1350	5/1/2002	MSL	SW846 8270C
2,4-Dinitrophenol	Below det lim	ug/Kg	1350	5/1/2002	MSL	SW846 8270C
Dibenzofuran	500,000	ug/Kg	1350	5/1/2002	MSL	SW846 8270C
2,4-Dinitrotoluene	Below det lim	ug/Kg	1350	5/1/2002	MSL	SW846 8270C
4-Nitrophenol	Below det lim	ug/Kg	1350	5/1/2002	MSL	SW846 8270C
Fluorene	620,000	ug/Kg	1350	5/1/2002	MSL	SW846 8270C
4-Chlorophenyl phenyl ether	Below det lim	ug/Kg	1350	5/1/2002	MSL	SW846 8270C
Diethyl phthalate	Below det lim	ug/Kg	1350	5/1/2002	MSL	SW846 8270C
4-Nitroaniline	Below det lim	ug/Kg	1350	5/1/2002	MSL	SW846 8270C
4,6-Dinitro-2-methylphenol	Below det lim	ug/Kg	1350	5/1/2002	MSL	SW846 8270C
n-Nitrosodiphenylamine	Below det lim	ug/Kg	1350	5/1/2002	MSL	SW846 8270C
Azobenzene/Diphenyldiazine	Below det lim	ug/Kg	1350	5/1/2002	MSL	SW846 8270C
4-Bromophenyl phenyl ether	Below det lim	ug/Kg	1350	5/1/2002	MSL	SW846 8270C
Hexachlorobenzene	Below det lim	ug/Kg	1350	5/1/2002	MSL	SW846 8270C
Pentachlorophenol	Below det lim	ug/Kg	1350	5/1/2002	MSL	SW846 8270C
Phenanthrene	2,670,000	ug/Kg	1350	5/1/2002	MSL	SW846 8270C
Anthracene	770,000	ug/Kg	1350	5/1/2002	MSL	SW846 8270C
Carbazole	Below det lim	ug/Kg	1350	5/1/2002	MSL	SW846 8270C
Di-n-butylphthalate	Below det lim	ug/Kg	1350	5/1/2002	MSL	SW846 8270C
Fluoranthene	2,710,000	ug/Kg	1350	5/1/2002	MSL	SW846 8270C
Benzidine	Below det lim	ug/Kg	1350	5/1/2002	MSL	SW846 8270C
Pyrene	1,410,000	ug/Kg	1350	5/1/2002	MSL	SW846 8270C
Butyl benzyl phthalate	Below det lim	ug/Kg	1350	5/1/2002	MSL	SW846 8270C
3,3'-Dichlorobenzidine	Below det lim	ug/Kg	1350	5/1/2002	MSL	SW846 8270C
Benzo (a) anthracene	440,000	ug/Kg	1350	5/1/2002	MSL	SW846 8270C
Chrysene	440,000	ug/Kg	1350	5/1/2002	MSL	SW846 8270C
Bis (2-ethylhexyl) phthalate	Below det lim	ug/Kg	1350	5/1/2002	MSL	SW846 8270C
Di-n-octylphthalate	Below det lim	ug/Kg	1350	5/1/2002	MSL	SW846 8270C
Benzo (b) fluoranthene	250,000	ug/Kg	1350	5/1/2002	MSL	SW846 8270C
Benzo (k) fluoranthene	180,000	ug/Kg	1350	5/1/2002	MSL	SW846 8270C
Benzo (a) pyrene	160,000	ug/Kg	1350	5/1/2002	MSL	SW846 8270C
Indeno (1,2,3-cd) pyrene	62,000	ug/Kg	1350	5/1/2002	MSL	SW846 8270C
Dibenz (a,h) anthracene	14,000	ug/Kg	1350	5/1/2002	MSL	SW846 8270C
Benzo (g,h,i) perylene	50,000	ug/Kg	1350	5/1/2002	MSL	SW846 8270C
2-Fluorobiphenyl (%SR)	41	ug/Kg	0.000	5/1/2002	MSL	SW846 8270C
2-Fluorophenol (%SR)	41	ug/Kg	0.000	5/1/2002	MSL	SW846 8270C
Nitrobenzene-d5 (%SR)	58	ug/Kg	0.000	5/1/2002	MSL	SW846 8270C
Phenol-d5 (%SR)	53	ug/Kg	0.000	5/1/2002	MSL	SW846 8270C
Terphenyl-d14 (%SR)	48	ug/Kg	0.000	5/1/2002	MSL	SW846 8270C
2,4,6-Tribromophenol (%SR)	48	ug/Kg	0.000	5/1/2002	MSL	SW846 8270C

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Parameter	Results	Units	PQL	Start Date	Analyst	Method
Semivolatile Organic Compounds						
Organochlorine Pesticides by GC						
Aldrin	Below det lim	ug/Kg	4130	5/2/2002	MB	SW846 8081A
alpha-BHC	Below det lim	ug/Kg	21	5/2/2002	MB	SW846 8081A
beta-BHC	Below det lim	ug/Kg	21	5/2/2002	MB	SW846 8081A
delta-BHC	Below det lim	ug/Kg	21	5/2/2002	MB	SW846 8081A
gamma-BHC (Lindane)	Below det lim	ug/Kg	21	5/2/2002	MB	SW846 8081A
Chlordane	Below det lim	ug/Kg	80	5/2/2002	MB	SW846 8081A
4,4'-DDD	Below det lim	ug/Kg	21	5/2/2002	MB	SW846 8081A
4,4'-DDE	Below det lim	ug/Kg	21	5/2/2002	MB	SW846 8081A
4,4'-DDT	Below det lim	ug/Kg	21	5/2/2002	MB	SW846 8081A
Dieldrin	Below det lim	ug/Kg	21	5/2/2002	MB	SW846 8081A
Endosulfan I	Below det lim	ug/Kg	21	5/2/2002	MB	SW846 8081A
Endosulfan II	Below det lim	ug/Kg	21	5/2/2002	MB	SW846 8081A
Endosulfan sulfate	Below det lim	ug/Kg	21	5/2/2002	MB	SW846 8081A
Endrin	Below det lim	ug/Kg	21	5/2/2002	MB	SW846 8081A
Endrin aldehyde	Below det lim	ug/Kg	21	5/2/2002	MB	SW846 8081A
Heptachlor	Below det lim	ug/Kg	21	5/2/2002	MB	SW846 8081A
Methoxychlor	Below det lim	ug/Kg	40	5/2/2002	MB	SW846 8081A
Heptachlor epoxide	Below det lim	ug/Kg	21	5/2/2002	MB	SW846 8081A
Toxaphene	Below det lim	ug/Kg	200	5/2/2002	MB	SW846 8081A
Decachlorobiphenyl (%SR)	76	ug/Kg	0.	5/2/2002	MB	SW846 8081A
Polychlorinated Biphenyls by GC						
PCB-1016	Below det lim	ug/Kg	83	5/2/2002	MB	SW846 8082
PCB-1221	Below det lim	ug/Kg	83	5/2/2002	MB	SW846 8082
PCB-1232	Below det lim	ug/Kg	83	5/2/2002	MB	SW846 8082
PCB-1242	Below det lim	ug/Kg	83	5/2/2002	MB	SW846 8082
PCB-1248	Below det lim	ug/Kg	83	5/2/2002	MB	SW846 8082
PCB-1254	Below det lim	ug/Kg	83	5/2/2002	MB	SW846 8082
PCB-1260	Below det lim	ug/Kg	83	5/2/2002	MB	SW846 8082
Decachlorobiphenyl (%SR)	76	ug/Kg	0.00	5/2/2002	MB	SW846 8082
Metals Preparation						
Mercury Digestion	Completed			4/26/2002	LFR	EPA 245.1
Mercury Digestion on Leachate	Completed			5/1/2002	LK	EPA 245.1
Metals Digestion	Completed			4/26/2002	LFR	EPA 200.7
Metals Digestion on Leachate	Completed			5/1/2002	LK	EPA 200.7
Metals Analysis						
TCLP Mercury	Below det lim	mg/L	0.0004	5/1/2002	EPR	1311/245.1
TCLP RCRA8 Metals						
TCLP Arsenic	Below det lim	mg/L	0.015	5/1/2002	KS	1311/200.7
TCLP Barium	0.308	mg/L	0.005	5/1/2002	KS	1311/200.7
TCLP Cadmium	0.0029	mg/L	0.0025	5/1/2002	KS	1311/200.7

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Parameter	Results	Units	PQL	Start Date	Analyst	Method
TCLP Chromium	Below det lim	mg/L	0.005	5/1/2002	KS	1311/200.7
TCLP Lead	0.0111	mg/L	0.0075	5/1/2002	KS	1311/200.7
TCLP Selenium	Below det lim	mg/L	0.015	5/1/2002	KS	1311/200.7
TCLP Silver	Below det lim	mg/L	0.010	5/1/2002	KS	1311/200.7
Total RCRA8 Metals						
Total Arsenic	Below det lim	mg/Kg	2.76	4/30/2002	KSR	EPA 200.7
Total Barium	28.8	mg/Kg	0.919	4/30/2002	KSR	EPA 200.7
Total Cadmium	1.07	mg/Kg	0.459	4/30/2002	KSR	EPA 200.7
Total Chromium	2.21	mg/Kg	0.919	4/30/2002	KSR	EPA 200.7
Total Lead	6.17	mg/Kg	1.38	4/30/2002	KSR	EPA 200.7
Total Selenium	Below det lim	mg/Kg	2.76	4/30/2002	KSR	EPA 200.7
Total Silver	Below det lim	mg/Kg	1.84	4/30/2002	KSR	EPA 200.7
Total Mercury	Below det lim	mg/Kg	0.158	5/1/2002	EPR	EPA 245.1
TCLP/SPLP Preparation						
TCLP Extraction for Metals	Completed			4/29/2002	HB	SW846 1311
General Chemistry						
Total Cyanide	Below det lim	mg/Kg	1.0	4/30/2002	JAK	SW846 9012

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Parameter	Results	Units	PQL	Start Date	Analyst	Method
VOC Preparation						
VOC Extraction (solid)	Lab ext			4/29/2002	AS	SW846 5035
Volatile Organic Compounds						
VOCs by GC/MS						
Acetone	Below det lim	ug/Kg	99700	4/30/2002	RLJ	SW846 8260B
Acrylonitrile	Below det lim	ug/Kg	4980	4/30/2002	RLJ	SW846 8260B
Benzene	Below det lim	ug/Kg	4980	4/30/2002	RLJ	SW846 8260B
Bromobenzene	Below det lim	ug/Kg	4980	4/30/2002	RLJ	SW846 8260B
Bromochloromethane	Below det lim	ug/Kg	4980	4/30/2002	RLJ	SW846 8260B
Bromodichloromethane	Below det lim	ug/Kg	4980	4/30/2002	RLJ	SW846 8260B
Bromoform	Below det lim	ug/Kg	4980	4/30/2002	RLJ	SW846 8260B
Bromomethane	Below det lim	ug/Kg	9970	4/30/2002	RLJ	SW846 8260B
2-Butanone (MEK)	Below det lim	ug/Kg	49800	4/30/2002	RLJ	SW846 8260B
n-Butylbenzene	Below det lim	ug/Kg	4980	4/30/2002	RLJ	SW846 8260B
sec-Butylbenzene	Below det lim	ug/Kg	4980	4/30/2002	RLJ	SW846 8260B
tert-Butylbenzene	Below det lim	ug/Kg	4980	4/30/2002	RLJ	SW846 8260B
Carbon disulfide	Below det lim	ug/Kg	24900	4/30/2002	RLJ	SW846 8260B
Carbon tetrachloride	Below det lim	ug/Kg	4980	4/30/2002	RLJ	SW846 8260B
Chlorobenzene	Below det lim	ug/Kg	4980	4/30/2002	RLJ	SW846 8260B
Chloroethane	Below det lim	ug/Kg	9970	4/30/2002	RLJ	SW846 8260B
Chloroform	Below det lim	ug/Kg	4980	4/30/2002	RLJ	SW846 8260B
Chloromethane	Below det lim	ug/Kg	9970	4/30/2002	RLJ	SW846 8260B
2-Chlorotoluene	Below det lim	ug/Kg	4980	4/30/2002	RLJ	SW846 8260B
4-Chlorotoluene	Below det lim	ug/Kg	4980	4/30/2002	RLJ	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	Below det lim	ug/Kg	9970	4/30/2002	RLJ	SW846 8260B
Dibromochloromethane	Below det lim	ug/Kg	4980	4/30/2002	RLJ	SW846 8260B
1,2-Dibromoethane (EDB)	Below det lim	ug/Kg	4980	4/30/2002	RLJ	SW846 8260B
Dibromomethane	Below det lim	ug/Kg	4980	4/30/2002	RLJ	SW846 8260B
1,2-Dichlorobenzene	Below det lim	ug/Kg	4980	4/30/2002	RLJ	SW846 8260B
1,3-Dichlorobenzene	Below det lim	ug/Kg	4980	4/30/2002	RLJ	SW846 8260B
1,4-Dichlorobenzene	Below det lim	ug/Kg	4980	4/30/2002	RLJ	SW846 8260B
Dichlorodifluoromethane	Below det lim	ug/Kg	9970	4/30/2002	RLJ	SW846 8260B
1,1-Dichloroethane	Below det lim	ug/Kg	4980	4/30/2002	RLJ	SW846 8260B
1,2-Dichloroethane	Below det lim	ug/Kg	4980	4/30/2002	RLJ	SW846 8260B
1,1-Dichloroethene	Below det lim	ug/Kg	4980	4/30/2002	RLJ	SW846 8260B
cis-1,2-Dichloroethene	Below det lim	ug/Kg	4980	4/30/2002	RLJ	SW846 8260B
trans-1,2-Dichloroethene	Below det lim	ug/Kg	4980	4/30/2002	RLJ	SW846 8260B
1,2-Dichloropropane	Below det lim	ug/Kg	4980	4/30/2002	RLJ	SW846 8260B
1,3-Dichloropropane	Below det lim	ug/Kg	4980	4/30/2002	RLJ	SW846 8260B
2,2-Dichloropropane	Below det lim	ug/Kg	4980	4/30/2002	RLJ	SW846 8260B
1,1-Dichloropropene	Below det lim	ug/Kg	4980	4/30/2002	RLJ	SW846 8260B
cis-1,3-Dichloropropene	Below det lim	ug/Kg	4980	4/30/2002	RLJ	SW846 8260B

Parameter	Results	Units	PQL	Start Date	Analyst	Method
trans-1,3-Dichloropropene	Below det lim	ug/Kg	4980	4/30/2002	RLJ	SW846 8260B
Ethylbenzene	Below det lim	ug/Kg	4980	4/30/2002	RLJ	SW846 8260B
Hexachlorobutadiene	Below det lim	ug/Kg	4980	4/30/2002	RLJ	SW846 8260B
2-Hexanone (MBK)	Below det lim	ug/Kg	49800	4/30/2002	RLJ	SW846 8260B
Isopropylbenzene	Below det lim	ug/Kg	4980	4/30/2002	RLJ	SW846 8260B
4-Isopropyltoluene	Below det lim	ug/Kg	4980	4/30/2002	RLJ	SW846 8260B
Methyl-tert-butyl ether (MTBE)	Below det lim	ug/Kg	4980	4/30/2002	RLJ	SW846 8260B
4-Methyl-2-pentanone (MIBK)	Below det lim	ug/Kg	49800	4/30/2002	RLJ	SW846 8260B
Methylene chloride	Below det lim	ug/Kg	10000	4/30/2002	RLJ	SW846 8260B
Naphthalene	3,475,300	ug/Kg	49826	4/30/2002	RLJ	SW846 8260B
n-Propylbenzene	Below det lim	ug/Kg	4980	4/30/2002	RLJ	SW846 8260B
Styrene	Below det lim	ug/Kg	4980	4/30/2002	RLJ	SW846 8260B
1,1,1,2-Tetrachloroethane	Below det lim	ug/Kg	4980	4/30/2002	RLJ	SW846 8260B
1,1,2,2-Tetrachloroethane	Below det lim	ug/Kg	4980	4/30/2002	RLJ	SW846 8260B
Tetrachloroethene (PCE)	Below det lim	ug/Kg	4980	4/30/2002	RLJ	SW846 8260B
Toluene	Below det lim	ug/Kg	4980	4/30/2002	RLJ	SW846 8260B
1,2,3-Trichlorobenzene	Below det lim	ug/Kg	4980	4/30/2002	RLJ	SW846 8260B
1,2,4-Trichlorobenzene	Below det lim	ug/Kg	4980	4/30/2002	RLJ	SW846 8260B
1,1,1-Trichloroethane	Below det lim	ug/Kg	4980	4/30/2002	RLJ	SW846 8260B
1,1,2-Trichloroethane	Below det lim	ug/Kg	4980	4/30/2002	RLJ	SW846 8260B
Trichloroethene (TCE)	Below det lim	ug/Kg	4980	4/30/2002	RLJ	SW846 8260B
Trichlorofluoromethane	Below det lim	ug/Kg	4980	4/30/2002	RLJ	SW846 8260B
1,2,3-Trichloropropane	Below det lim	ug/Kg	4980	4/30/2002	RLJ	SW846 8260B
1,2,4-Trimethylbenzene	Below det lim	ug/Kg	4980	4/30/2002	RLJ	SW846 8260B
1,3,5-Trimethylbenzene	Below det lim	ug/Kg	4980	4/30/2002	RLJ	SW846 8260B
Vinyl chloride	Below det lim	ug/Kg	4980	4/30/2002	RLJ	SW846 8260B
m,p-Xylenes	Below det lim	ug/Kg	9970	4/30/2002	RLJ	SW846 8260B
o-Xylene	Below det lim	ug/Kg	4980	4/30/2002	RLJ	SW846 8260B
4-Bromofluorobenzene (%SR)	102	ug/Kg	0.000	4/30/2002	RLJ	SW846 8260B
1,4-Difluorobenzene (%SR)	106	ug/Kg	0.000	4/30/2002	RLJ	SW846 8260B
Chlorobenzene-d5 (%SR)	109	ug/Kg	0.000	4/30/2002	RLJ	SW846 8260B
TPH Preparation						
Ultrasonic Extraction	Completed			4/29/2002	RT	SW846 3550B
Petroleum Hydrocarbon Analysis						
Extractable TPH						
Total Petroleum Hydrocarbons (C9-C36)	24,000	mg/Kg	20	5/1/2002	JD	CT ETPH
Gasoline	Below det lim	mg/Kg	20	5/1/2002	JD	CT ETPH
Fuel Oil #2	Below det lim	mg/Kg	20	5/1/2002	JD	CT ETPH
Fuel Oil #4	Below det lim	mg/Kg	20	5/1/2002	JD	CT ETPH
Fuel Oil #6	Below det lim	mg/Kg	20	5/1/2002	JD	CT ETPH
Motor Oil	Below det lim	mg/Kg	20	5/1/2002	JD	CT ETPH
Aviation Fuel	Below det lim	mg/Kg	20	5/1/2002	JD	CT ETPH

Parameter	Results	Units	PQL	Start Date	Analyst	Method
Unidentified	24,000	mg/Kg	20	5/1/2002	JD	CT ETPH
Other Oil	*	mg/Kg	20	5/1/2002	JD	CT ETPH
1-Chloro-octadecane (%SR)	87	mg/Kg	0.	5/1/2002	JD	CT ETPH
SVOC Preparation						
Ultrasonic Extraction	Completed			4/29/2002	RT	SW846 3550B
Semivolatile Organic Compounds						
Semivolatiles by GC/MS						
Pyridine	Below det lim	ug/Kg	1180	5/1/2002	MSL	SW846 8270C
n-Nitrosodimethylamine	Below det lim	ug/Kg	1180	5/1/2002	MSL	SW846 8270C
Aniline	Below det lim	ug/Kg	1180	5/1/2002	MSL	SW846 8270C
Bis (2-chloroethyl) ether	Below det lim	ug/Kg	1180	5/1/2002	MSL	SW846 8270C
Phenol	5,300	ug/Kg	1180	5/1/2002	MSL	SW846 8270C
2-Chlorophenol	Below det lim	ug/Kg	1180	5/1/2002	MSL	SW846 8270C
1,3-Dichlorobenzene	Below det lim	ug/Kg	1180	5/1/2002	MSL	SW846 8270C
1,4-Dichlorobenzene	Below det lim	ug/Kg	1180	5/1/2002	MSL	SW846 8270C
1,2-Dichlorobenzene	Below det lim	ug/Kg	1180	5/1/2002	MSL	SW846 8270C
Benzyl alcohol	Below det lim	ug/Kg	1180	5/1/2002	MSL	SW846 8270C
Bis (2-chloroisopropyl) ether	Below det lim	ug/Kg	1180	5/1/2002	MSL	SW846 8270C
2-Methylphenol (o-cresol)	5,400	ug/Kg	1180	5/1/2002	MSL	SW846 8270C
Hexachloroethane	Below det lim	ug/Kg	1180	5/1/2002	MSL	SW846 8270C
n-Nitroso-di-n-propylamine	Below det lim	ug/Kg	1180	5/1/2002	MSL	SW846 8270C
3-Methylphenol (m-cresol)	Below det lim	ug/Kg	1180	5/1/2002	MSL	SW846 8270C
4-Methylphenol (p-cresol)	16,000	ug/Kg	1180	5/1/2002	MSL	SW846 8270C
Nitrobenzene	Below det lim	ug/Kg	1180	5/1/2002	MSL	SW846 8270C
Isophorone	Below det lim	ug/Kg	1180	5/1/2002	MSL	SW846 8270C
2-Nitrophenol	Below det lim	ug/Kg	1180	5/1/2002	MSL	SW846 8270C
2,4-Dimethylphenol	6,500	ug/Kg	1180	5/1/2002	MSL	SW846 8270C
Bis (2-chloroethoxy) methane	Below det lim	ug/Kg	1180	5/1/2002	MSL	SW846 8270C
2,4-Dichlorophenol	Below det lim	ug/Kg	1180	5/1/2002	MSL	SW846 8270C
1,2,4-Trichlorobenzene	Below det lim	ug/Kg	1180	5/1/2002	MSL	SW846 8270C
Benzoic acid	Below det lim	ug/Kg	1180	5/1/2002	MSL	SW846 8270C
Naphthalene	520,000	ug/Kg	1180	5/1/2002	MSL	SW846 8270C
4-Chloroaniline	Below det lim	ug/Kg	1180	5/1/2002	MSL	SW846 8270C
Hexachlorobutadiene	Below det lim	ug/Kg	1180	5/1/2002	MSL	SW846 8270C
4-Chloro-3-methylphenol	Below det lim	ug/Kg	1180	5/1/2002	MSL	SW846 8270C
2-Methylnaphthalene	360,000	ug/Kg	1180	5/1/2002	MSL	SW846 8270C
Hexachlorocyclopentadiene	Below det lim	ug/Kg	1180	5/1/2002	MSL	SW846 8270C
2,4,6-Trichlorophenol	Below det lim	ug/Kg	1180	5/1/2002	MSL	SW846 8270C
2,4,5-Trichlorophenol	Below det lim	ug/Kg	1180	5/1/2002	MSL	SW846 8270C
2-Chloronaphthalene	Below det lim	ug/Kg	1180	5/1/2002	MSL	SW846 8270C
2-Nitroaniline	Below det lim	ug/Kg	1180	5/1/2002	MSL	SW846 8270C
Acenaphthylene	12,000	ug/Kg	1180	5/1/2002	MSL	SW846 8270C

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Parameter	Results	Units	PQL	Start Date	Analyst	Method
Dimethylphthalate	Below det lim	ug/Kg	1180	5/1/2002	MSL	SW846 8270C
2,6-Dinitrotoluene	Below det lim	ug/Kg	1180	5/1/2002	MSL	SW846 8270C
Acenaphthene	640,000	ug/Kg	1180	5/1/2002	MSL	SW846 8270C
3-Nitroaniline	Below det lim	ug/Kg	1180	5/1/2002	MSL	SW846 8270C
2,4-Dinitrophenol	Below det lim	ug/Kg	1180	5/1/2002	MSL	SW846 8270C
Dibenzofuran	520,000	ug/Kg	1180	5/1/2002	MSL	SW846 8270C
2,4-Dinitrotoluene	Below det lim	ug/Kg	1180	5/1/2002	MSL	SW846 8270C
4-Nitrophenol	Below det lim	ug/Kg	1180	5/1/2002	MSL	SW846 8270C
Fluorene	660,000	ug/Kg	1180	5/1/2002	MSL	SW846 8270C
4-Chlorophenyl phenyl ether	Below det lim	ug/Kg	1180	5/1/2002	MSL	SW846 8270C
Diethyl phthalate	Below det lim	ug/Kg	1180	5/1/2002	MSL	SW846 8270C
4-Nitroaniline	Below det lim	ug/Kg	1180	5/1/2002	MSL	SW846 8270C
4,6-Dinitro-2-methylphenol	Below det lim	ug/Kg	1180	5/1/2002	MSL	SW846 8270C
n-Nitrosodiphenylamine	Below det lim	ug/Kg	1180	5/1/2002	MSL	SW846 8270C
Azobenzene/Diphenyldiazine	Below det lim	ug/Kg	1180	5/1/2002	MSL	SW846 8270C
4-Bromophenyl phenyl ether	Below det lim	ug/Kg	1180	5/1/2002	MSL	SW846 8270C
Hexachlorobenzene	Below det lim	ug/Kg	1180	5/1/2002	MSL	SW846 8270C
Pentachlorophenol	Below det lim	ug/Kg	1180	5/1/2002	MSL	SW846 8270C
Phenanthrene	2,650,000	ug/Kg	1180	5/1/2002	MSL	SW846 8270C
Anthracene	680,000	ug/Kg	1180	5/1/2002	MSL	SW846 8270C
Carbazole	Below det lim	ug/Kg	1180	5/1/2002	MSL	SW846 8270C
Di-n-butylphthalate	Below det lim	ug/Kg	1180	5/1/2002	MSL	SW846 8270C
Fluoranthene	2,100,000	ug/Kg	1180	5/1/2002	MSL	SW846 8270C
Benzidine	Below det lim	ug/Kg	1180	5/1/2002	MSL	SW846 8270C
Pyrene	1,130,000	ug/Kg	1180	5/1/2002	MSL	SW846 8270C
Butyl benzyl phthalate	Below det lim	ug/Kg	1180	5/1/2002	MSL	SW846 8270C
3,3'-Dichlorobenzidine	Below det lim	ug/Kg	1180	5/1/2002	MSL	SW846 8270C
Benzo (a) anthracene	350,000	ug/Kg	1180	5/1/2002	MSL	SW846 8270C
Chrysene	310,000	ug/Kg	1180	5/1/2002	MSL	SW846 8270C
Bis (2-ethylhexyl) phthalate	Below det lim	ug/Kg	1180	5/1/2002	MSL	SW846 8270C
Di-n-octylphthalate	Below det lim	ug/Kg	1180	5/1/2002	MSL	SW846 8270C
Benzo (b) fluoranthene	170,000	ug/Kg	1180	5/1/2002	MSL	SW846 8270C
Benzo (k) fluoranthene	120,000	ug/Kg	1180	5/1/2002	MSL	SW846 8270C
Benzo (a) pyrene	130,000	ug/Kg	1180	5/1/2002	MSL	SW846 8270C
Indeno (1,2,3-cd) pyrene	44,000	ug/Kg	1180	5/1/2002	MSL	SW846 8270C
Dibenz (a,h) anthracene	10,000	ug/Kg	1180	5/1/2002	MSL	SW846 8270C
Benzo (g,h,i) perylene	37,000	ug/Kg	1180	5/1/2002	MSL	SW846 8270C
2-Fluorobiphenyl (%SR)	46	ug/Kg	0.000	5/1/2002	MSL	SW846 8270C
2-Fluorophenol (%SR)	44	ug/Kg	0.000	5/1/2002	MSL	SW846 8270C
Nitrobenzene-d5 (%SR)	43	ug/Kg	0.000	5/1/2002	MSL	SW846 8270C
Phenol-d5 (%SR)	44	ug/Kg	0.000	5/1/2002	MSL	SW846 8270C
Terphenyl-d14 (%SR)	46	ug/Kg	0.000	5/1/2002	MSL	SW846 8270C
2,4,6-Tribromophenol (%SR)	52	ug/Kg	0.000	5/1/2002	MSL	SW846 8270C

Lab ID No: AD11642
Client Id: T-3

Collection Date: 4/23/2002
Matrix Railroad Ties

Parameter	Results	Units	PQL	Start Date	Analyst	Method
Semivolatile Organic Compounds						
Organochlorine Pesticides by GC						
Aldrin	Below det lim	ug/Kg	16	5/2/2002	MB	SW846 8081A
alpha-BHC	Below det lim	ug/Kg	16	5/2/2002	MB	SW846 8081A
beta-BHC	Below det lim	ug/Kg	16	5/2/2002	MB	SW846 8081A
delta-BHC	Below det lim	ug/Kg	16	5/2/2002	MB	SW846 8081A
gamma-BHC (Lindane)	Below det lim	ug/Kg	16	5/2/2002	MB	SW846 8081A
Chlordane	Below det lim	ug/Kg	60	5/2/2002	MB	SW846 8081A
4,4'-DDD	Below det lim	ug/Kg	16	5/2/2002	MB	SW846 8081A
4,4'-DDE	Below det lim	ug/Kg	16	5/2/2002	MB	SW846 8081A
4,4'-DDT	Below det lim	ug/Kg	16	5/2/2002	MB	SW846 8081A
Dieldrin	Below det lim	ug/Kg	16	5/2/2002	MB	SW846 8081A
Endosulfan I	Below det lim	ug/Kg	16	5/2/2002	MB	SW846 8081A
Endosulfan II	Below det lim	ug/Kg	16	5/2/2002	MB	SW846 8081A
Endosulfan sulfate	Below det lim	ug/Kg	16	5/2/2002	MB	SW846 8081A
Endrin	Below det lim	ug/Kg	16	5/2/2002	MB	SW846 8081A
Endrin aldehyde	Below det lim	ug/Kg	16	5/2/2002	MB	SW846 8081A
Heptachlor	Below det lim	ug/Kg	16	5/2/2002	MB	SW846 8081A
Methoxychlor	Below det lim	ug/Kg	30	5/2/2002	MB	SW846 8081A
Heptachlor epoxide	Below det lim	ug/Kg	16	5/2/2002	MB	SW846 8081A
Toxaphene	Below det lim	ug/Kg	200	5/2/2002	MB	SW846 8081A
Decachlorobiphenyl (%SR)	115	ug/Kg	0.	5/2/2002	MB	SW846 8081A
Polychlorinated Biphenyls by GC						
PCB-1016	Below det lim	ug/Kg	63	5/2/2002	MB	SW846 8082
PCB-1221	Below det lim	ug/Kg	63	5/2/2002	MB	SW846 8082
PCB-1232	Below det lim	ug/Kg	63	5/2/2002	MB	SW846 8082
PCB-1242	Below det lim	ug/Kg	63	5/2/2002	MB	SW846 8082
PCB-1248	Below det lim	ug/Kg	63	5/2/2002	MB	SW846 8082
PCB-1254	Below det lim	ug/Kg	63	5/2/2002	MB	SW846 8082
PCB-1260	Below det lim	ug/Kg	63	5/2/2002	MB	SW846 8082
Decachlorobiphenyl (%SR)	115	ug/Kg	0.00	5/2/2002	MB	SW846 8082
Metals Preparation						
Mercury Digestion	Completed			4/26/2002	LFR	EPA 245.1
Mercury Digestion on Leachate	Completed			5/1/2002	LK	EPA 245.1
Metals Digestion	Completed			4/26/2002	LFR	EPA 200.7
Metals Digestion on Leachate	Completed			5/1/2002	LK	EPA 200.7
Metals Analysis						
TCLP Mercury	Below det lim	mg/L	0.0004	5/1/2002	EPR	1311/245.1
TCLP RCRA8 Metals						
TCLP Arsenic	Below det lim	mg/L	0.015	5/1/2002	KS	1311/200.7
TCLP Barium	0.274	mg/L	0.005	5/1/2002	KS	1311/200.7
TCLP Cadmium	0.0027	mg/L	0.0025	5/1/2002	KS	1311/200.7

Lab ID No: AD11642
Client Id: T-3

Collection Date: 4/23/2002
Matrix Railroad Ties

Parameter	Results	Units	PQL	Start Date	Analyst	Method
TCLP Chromium	Below det lim	mg/L	0.005	5/1/2002	KS	1311/200.7
TCLP Lead	0.0096	mg/L	0.0075	5/1/2002	KS	1311/200.7
TCLP Selenium	Below det lim	mg/L	0.015	5/1/2002	KS	1311/200.7
TCLP Silver	Below det lim	mg/L	0.010	5/1/2002	KS	1311/200.7
Total RCRA8 Metals						
Total Arsenic	Below det lim	mg/Kg	2.71	4/30/2002	KSR	EPA 200.7
Total Barium	28.1	mg/Kg	0.902	4/30/2002	KSR	EPA 200.7
Total Cadmium	0.505	mg/Kg	0.451	4/30/2002	KSR	EPA 200.7
Total Chromium	1.35	mg/Kg	0.902	4/30/2002	KSR	EPA 200.7
Total Lead	2.67	mg/Kg	1.35	4/30/2002	KSR	EPA 200.7
Total Selenium	Below det lim	mg/Kg	2.71	4/30/2002	KSR	EPA 200.7
Total Silver	Below det lim	mg/Kg	1.80	4/30/2002	KSR	EPA 200.7
Total Mercury	Below det lim	mg/Kg	0.165	5/1/2002	EPR	EPA 245.1
TCLP/SPLP Preparation						
TCLP Extraction for Metals	Completed			4/29/2002	HB	SW846 1311
General Chemistry						
Total Cyanide	Below det lim	mg/Kg	1.0	4/30/2002	JAK	SW846 9012

Reviewed by:

Quality Service/Quality Assurance Depts.

Validated by:

President/Laboratory Director

5/3/2002

APPENDIX D
Membrane Sample Laboratory Reports

Lab ID No: AD11639
Client Id: M-1

Collection Date: 4/23/2002
Matrix Membrane

Parameter	Results	Units	PQL	Start Date	Analyst	Method
VOC Preparation						
VOC Extraction (solid)	Lab ext			4/29/2002	AS	SW846 5035
Volatile Organic Compounds						
VOCs by GC/MS						
Acetone	Below det lim	ug/Kg	200	4/30/2002	RLJ	SW846 8260B
Acrylonitrile	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
Benzene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
Bromobenzene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
Bromochloromethane	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
Bromodichloromethane	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
Bromoform	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
Bromomethane	Below det lim	ug/Kg	20.0	4/30/2002	RLJ	SW846 8260B
2-Butanone (MEK)	Below det lim	ug/Kg	100	4/30/2002	RLJ	SW846 8260B
n-Butylbenzene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
sec-Butylbenzene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
tert-Butylbenzene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
Carbon disulfide	Below det lim	ug/Kg	50.0	4/30/2002	RLJ	SW846 8260B
Carbon tetrachloride	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
Chlorobenzene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
Chloroethane	Below det lim	ug/Kg	20.0	4/30/2002	RLJ	SW846 8260B
Chloroform	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
Chloromethane	Below det lim	ug/Kg	20.0	4/30/2002	RLJ	SW846 8260B
2-Chlorotoluene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
4-Chlorotoluene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	Below det lim	ug/Kg	20.0	4/30/2002	RLJ	SW846 8260B
Dibromochloromethane	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
1,2-Dibromoethane (EDB)	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
Dibromomethane	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
1,2-Dichlorobenzene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
1,3-Dichlorobenzene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
1,4-Dichlorobenzene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
Dichlorodifluoromethane	Below det lim	ug/Kg	20.0	4/30/2002	RLJ	SW846 8260B
1,1-Dichloroethane	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
1,2-Dichloroethane	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
1,1-Dichloroethene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
cis-1,2-Dichloroethene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
trans-1,2-Dichloroethene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
1,2-Dichloropropane	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
1,3-Dichloropropane	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
2,2-Dichloropropane	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
1,1-Dichloropropene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
cis-1,3-Dichloropropene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B

Parameter	Results	Units	PQL	Start Date	Analyst	Method
trans-1,3-Dichloropropene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
Ethylbenzene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
Hexachlorobutadiene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
2-Hexanone (MBK)	Below det lim	ug/Kg	100	4/30/2002	RLJ	SW846 8260B
Isopropylbenzene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
4-Isopropyltoluene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
Methyl-tert-butyl ether (MTBE)	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
4-Methyl-2-pentanone (MIBK)	Below det lim	ug/Kg	100	4/30/2002	RLJ	SW846 8260B
Methylene chloride	Below det lim	ug/Kg	25.0	4/30/2002	RLJ	SW846 8260B
Naphthalene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
n-Propylbenzene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
Styrene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
1,1,1,2-Tetrachloroethane	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
1,1,2,2-Tetrachloroethane	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
Tetrachloroethene (PCE)	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
Toluene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
1,2,3-Trichlorobenzene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
1,2,4-Trichlorobenzene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
1,1,1-Trichloroethane	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
1,1,2-Trichloroethane	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
Trichloroethene (TCE)	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
Trichlorofluoromethane	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
1,2,3-Trichloropropane	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
1,2,4-Trimethylbenzene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
1,3,5-Trimethylbenzene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
Vinyl chloride	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
m,p-Xylenes	Below det lim	ug/Kg	20.0	4/30/2002	RLJ	SW846 8260B
o-Xylene	Below det lim	ug/Kg	10.0	4/30/2002	RLJ	SW846 8260B
4-Bromofluorobenzene (%SR)	113	ug/Kg	0.000	4/30/2002	RLJ	SW846 8260B
1,4-Difluorobenzene (%SR)	109	ug/Kg	0.000	4/30/2002	RLJ	SW846 8260B
Chlorobenzene-d5 (%SR)	116	ug/Kg	0.000	4/30/2002	RLJ	SW846 8260B
TPH Preparation						
Ultrasonic Extraction	Completed			4/29/2002	RT	SW846 3550B
Petroleum Hydrocarbon Analysis						
Extractable TPH						
Total Petroleum Hydrocarbons (C9-C36)	44,000	mg/Kg	700	5/1/2002	JD	CT ETPH
Gasoline	Below det lim	mg/Kg	700	5/1/2002	JD	CT ETPH
Fuel Oil #2	Below det lim	mg/Kg	700	5/1/2002	JD	CT ETPH
Fuel Oil #4	Below det lim	mg/Kg	700	5/1/2002	JD	CT ETPH
Fuel Oil #6	Below det lim	mg/Kg	700	5/1/2002	JD	CT ETPH
Motor Oil	Below det lim	mg/Kg	700	5/1/2002	JD	CT ETPH
Aviation Fuel	Below det lim	mg/Kg	700	5/1/2002	JD	CT ETPH

Parameter	Results	Units	PQL	Start Date	Analyst	Method
Unidentified	44,000	mg/Kg	700	5/1/2002	JD	CT ETPH
Other Oil	*	mg/Kg	700	5/1/2002	JD	CT ETPH
1-Chloro-octadecane (%SR)	67	mg/Kg	0.	5/1/2002	JD	CT ETPH
SVOC Preparation						
Ultrasonic Extraction	Completed			4/29/2002	RT	SW846 3550B
Semivolatile Organic Compounds						
PAHs by GC/MS						
Naphthalene	Below det lim	ug/Kg	1670	5/1/2002	MSL	SW846 8270C
2-Methylnaphthalene	Below det lim	ug/Kg	1670	5/1/2002	MSL	SW846 8270C
1-Methylnaphthalene	Below det lim	ug/Kg	1670	5/1/2002	MSL	SW846 8270C
Acenaphthylene	Below det lim	ug/Kg	1670	5/1/2002	MSL	SW846 8270C
Acenaphthene	Below det lim	ug/Kg	1670	5/1/2002	MSL	SW846 8270C
Fluorene	Below det lim	ug/Kg	1670	5/1/2002	MSL	SW846 8270C
Phenanthrene	5,500	ug/Kg	1670	5/1/2002	MSL	SW846 8270C
Anthracene	Below det lim	ug/Kg	1670	5/1/2002	MSL	SW846 8270C
Fluoranthene	8,100	ug/Kg	1670	5/1/2002	MSL	SW846 8270C
Pyrene	8,100	ug/Kg	1670	5/1/2002	MSL	SW846 8270C
Benzo (a) anthracene	Below det lim	ug/Kg	1670	5/1/2002	MSL	SW846 8270C
Chrysene	Below det lim	ug/Kg	1670	5/1/2002	MSL	SW846 8270C
Benzo (b) fluoranthene	Below det lim	ug/Kg	1670	5/1/2002	MSL	SW846 8270C
Benzo (k) fluoranthene	Below det lim	ug/Kg	1670	5/1/2002	MSL	SW846 8270C
Benzo (a) pyrene	Below det lim	ug/Kg	1670	5/1/2002	MSL	SW846 8270C
Indeno (1,2,3-cd) pyrene	Below det lim	ug/Kg	1670	5/1/2002	MSL	SW846 8270C
Dibenzo (a,h) anthracene	Below det lim	ug/Kg	1670	5/1/2002	MSL	SW846 8270C
Benzo (g,h,i) perylene	Below det lim	ug/Kg	1670	5/1/2002	MSL	SW846 8270C
2-Fluorobiphenyl (%SR)	75	ug/Kg	0.000	5/1/2002	MSL	SW846 8270C
Terphenyl-d14 (%SR)	66	ug/Kg	0.000	5/1/2002	MSL	SW846 8270C
Semivolatile Organic Compounds						
Organochlorine Pesticides by GC						
Aldrin	Below det lim	ug/Kg	47	5/2/2002	MB	SW846 8081A
alpha-BHC	Below det lim	ug/Kg	47	5/2/2002	MB	SW846 8081A
beta-BHC	Below det lim	ug/Kg	47	5/2/2002	MB	SW846 8081A
delta-BHC	Below det lim	ug/Kg	47	5/2/2002	MB	SW846 8081A
gamma-BHC (Lindane)	Below det lim	ug/Kg	47	5/2/2002	MB	SW846 8081A
Chlordane	Below det lim	ug/Kg	200	5/2/2002	MB	SW846 8081A
4,4'-DDD	Below det lim	ug/Kg	47	5/2/2002	MB	SW846 8081A
4,4'-DDE	Below det lim	ug/Kg	47	5/2/2002	MB	SW846 8081A
4,4'-DDT	Below det lim	ug/Kg	47	5/2/2002	MB	SW846 8081A
Dieldrin	Below det lim	ug/Kg	47	5/2/2002	MB	SW846 8081A
Endosulfan I	Below det lim	ug/Kg	47	5/2/2002	MB	SW846 8081A
Endosulfan II	Below det lim	ug/Kg	47	5/2/2002	MB	SW846 8081A
Endosulfan sulfate	Below det lim	ug/Kg	47	5/2/2002	MB	SW846 8081A

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Collection Date: 4/23/2002
Matrix Membrane

Parameter	Results	Units	PQL	Start Date	Analyst	Method
Endrin	Below det lim	ug/Kg	47	5/2/2002	MB	SW846 8081A
Endrin aldehyde	Below det lim	ug/Kg	47	5/2/2002	MB	SW846 8081A
Heptachlor	Below det lim	ug/Kg	47	5/2/2002	MB	SW846 8081A
Methoxychlor	Below det lim	ug/Kg	90	5/2/2002	MB	SW846 8081A
Heptachlor epoxide	Below det lim	ug/Kg	47	5/2/2002	MB	SW846 8081A
Toxaphene	Below det lim	ug/Kg	500	5/2/2002	MB	SW846 8081A
Decachlorobiphenyl (%SR)	102	ug/Kg	0.	5/2/2002	MB	SW846 8081A
Polychlorinated Biphenyls by GC						
PCB-1016	Below det lim	ug/Kg	190	5/2/2002	MB	SW846 8082
PCB-1221	Below det lim	ug/Kg	190	5/2/2002	MB	SW846 8082
PCB-1232	Below det lim	ug/Kg	190	5/2/2002	MB	SW846 8082
PCB-1242	Below det lim	ug/Kg	190	5/2/2002	MB	SW846 8082
PCB-1248	Below det lim	ug/Kg	190	5/2/2002	MB	SW846 8082
PCB-1254	Below det lim	ug/Kg	190	5/2/2002	MB	SW846 8082
PCB-1260	Below det lim	ug/Kg	190	5/2/2002	MB	SW846 8082
Decachlorobiphenyl (%SR)	102	ug/Kg	0.00	5/2/2002	MB	SW846 8082
Herbicides						
Chlorinated Herbicides						
2,4-D	Below det lim	ug/Kg	100	5/1/2002	MP	SW846 8151A
2,4,5-T	Below det lim	ug/Kg	20	5/1/2002	MP	SW846 8151A
2,4,5-TP(Silvex)	Below det lim	ug/Kg	20	5/1/2002	MP	SW846 8151A
Dinoseb	Below det lim	ug/Kg	10	5/1/2002	MP	SW846 8151A
Dicamba	Below det lim	ug/Kg	30	5/1/2002	MP	SW846 8151A
Dalapon	Below det lim	ug/Kg	500	5/1/2002	MP	SW846 8151A
Dichlorprop	Below det lim	ug/Kg	100	5/1/2002	MP	SW846 8151A
2,4-DB	Below det lim	ug/Kg	100	5/1/2002	MP	SW846 8151A
4,4'-DB-Octafluorobiphenyl (SR)	95	ug/Kg		5/1/2002	MP	SW846 8151A
Metals Preparation						
Mercury Digestion	Completed			4/26/2002	LFR	EPA 245.1
Mercury Digestion on Leachate	Completed			5/1/2002	LK	EPA 245.1
Metals Digestion	Completed			4/26/2002	LFR	EPA 200.7
Metals Digestion on Leachate	Completed			5/1/2002	LK	EPA 200.7
Metals Analysis						
SPLP RCRA8 Metals						
SPLP Arsenic	Below det lim	mg/L	0.015	5/1/2002	KS	1312/200.7
SPLP Barium	0.0193	mg/L	0.005	5/1/2002	KS	1312/200.7
SPLP Cadmium	Below det lim	mg/L	0.0025	5/1/2002	KS	1312/200.7
SPLP Chromium	Below det lim	mg/L	0.005	5/1/2002	KS	1312/200.7
SPLP Lead	0.0204	mg/L	0.0075	5/1/2002	KS	1312/200.7
SPLP Selenium	Below det lim	mg/L	0.015	5/1/2002	KS	1312/200.7
SPLP Silver	Below det lim	mg/L	0.010	5/1/2002	KS	1312/200.7

Lab ID No: AD11639
Client Id: M-1

Collection Date: 4/23/2002
Matrix Membrane

Parameter	Results	Units	PQL	Start Date	Analyst	Method
SPLP Mercury	Below det lim	mg/L	0.0004	5/1/2002	EPR	1312/245.1
Total RCRA8 Metals						
Total Arsenic	4.29	mg/Kg	2.69	4/30/2002	KSR	EPA 200.7
Total Barium	94.7	mg/Kg	0.897	4/30/2002	KSR	EPA 200.7
Total Cadmium	0.942	mg/Kg	0.449	4/30/2002	KSR	EPA 200.7
Total Chromium	9.73	mg/Kg	0.897	4/30/2002	KSR	EPA 200.7
Total Lead	194	mg/Kg	1.35	4/30/2002	KSR	EPA 200.7
Total Selenium	Below det lim	mg/Kg	2.69	4/30/2002	KSR	EPA 200.7
Total Silver	Below det lim	mg/Kg	1.79	4/30/2002	KSR	EPA 200.7
Total Mercury	Below det lim	mg/Kg	0.161	5/1/2002	EPR	EPA 245.1
TCLP/SPLP Preparation						
SPLP Extraction for Metals	Completed			4/29/2002	HB	SW846 1312
Subcontracted Analyses						
Asbestos Determination						
% Asbestos	Below det lim	%	1	5/1/2002	TRC	EPA 600R
Asbestos Type	None	%		5/1/2002	TRC	EPA 600R

Lab ID No: AD11640
Client Id: T-1

Collection Date: 4/23/2002
Matrix Railroad Ties

Parameter	Results	Units	PQL	Start Date	Analyst	Method
VOC Preparation						
VOC Extraction (solid)	Lab ext			4/29/2002	AS	SW846 5035
Volatile Organic Compounds						
VOCs by GC/MS						
Acetone	Below det lim	ug/Kg	42500	4/30/2002	RLJ	SW846 8260B
Acrylonitrile	Below det lim	ug/Kg	2120	4/30/2002	RLJ	SW846 8260B
Benzene	Below det lim	ug/Kg	2120	4/30/2002	RLJ	SW846 8260B
Bromobenzene	Below det lim	ug/Kg	2120	4/30/2002	RLJ	SW846 8260B
Bromochloromethane	Below det lim	ug/Kg	2120	4/30/2002	RLJ	SW846 8260B
Bromodichloromethane	Below det lim	ug/Kg	2120	4/30/2002	RLJ	SW846 8260B
Bromoform	Below det lim	ug/Kg	2120	4/30/2002	RLJ	SW846 8260B
Bromomethane	Below det lim	ug/Kg	4250	4/30/2002	RLJ	SW846 8260B
2-Butanone (MEK)	Below det lim	ug/Kg	21200	4/30/2002	RLJ	SW846 8260B
n-Butylbenzene	Below det lim	ug/Kg	2120	4/30/2002	RLJ	SW846 8260B
sec-Butylbenzene	Below det lim	ug/Kg	2120	4/30/2002	RLJ	SW846 8260B
tert-Butylbenzene	Below det lim	ug/Kg	2120	4/30/2002	RLJ	SW846 8260B
Carbon disulfide	Below det lim	ug/Kg	10600	4/30/2002	RLJ	SW846 8260B
Carbon tetrachloride	Below det lim	ug/Kg	2120	4/30/2002	RLJ	SW846 8260B
Chlorobenzene	Below det lim	ug/Kg	2120	4/30/2002	RLJ	SW846 8260B
Chloroethane	Below det lim	ug/Kg	4250	4/30/2002	RLJ	SW846 8260B
Chloroform	Below det lim	ug/Kg	2120	4/30/2002	RLJ	SW846 8260B
Chloromethane	Below det lim	ug/Kg	4250	4/30/2002	RLJ	SW846 8260B
2-Chlorotoluene	Below det lim	ug/Kg	2120	4/30/2002	RLJ	SW846 8260B
4-Chlorotoluene	Below det lim	ug/Kg	2120	4/30/2002	RLJ	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	Below det lim	ug/Kg	4250	4/30/2002	RLJ	SW846 8260B
Dibromochloromethane	Below det lim	ug/Kg	2120	4/30/2002	RLJ	SW846 8260B
1,2-Dibromoethane (EDB)	Below det lim	ug/Kg	2120	4/30/2002	RLJ	SW846 8260B
Dibromomethane	Below det lim	ug/Kg	2120	4/30/2002	RLJ	SW846 8260B
1,2-Dichlorobenzene	Below det lim	ug/Kg	2120	4/30/2002	RLJ	SW846 8260B
1,3-Dichlorobenzene	Below det lim	ug/Kg	2120	4/30/2002	RLJ	SW846 8260B
1,4-Dichlorobenzene	Below det lim	ug/Kg	2120	4/30/2002	RLJ	SW846 8260B
Dichlorodifluoromethane	Below det lim	ug/Kg	4250	4/30/2002	RLJ	SW846 8260B
1,1-Dichloroethane	Below det lim	ug/Kg	2120	4/30/2002	RLJ	SW846 8260B
1,2-Dichloroethane	Below det lim	ug/Kg	2120	4/30/2002	RLJ	SW846 8260B
1,1-Dichloroethene	Below det lim	ug/Kg	2120	4/30/2002	RLJ	SW846 8260B
cis-1,2-Dichloroethene	Below det lim	ug/Kg	2120	4/30/2002	RLJ	SW846 8260B
trans-1,2-Dichloroethene	Below det lim	ug/Kg	2120	4/30/2002	RLJ	SW846 8260B
1,2-Dichloropropane	Below det lim	ug/Kg	2120	4/30/2002	RLJ	SW846 8260B
1,3-Dichloropropane	Below det lim	ug/Kg	2120	4/30/2002	RLJ	SW846 8260B
2,2-Dichloropropane	Below det lim	ug/Kg	2120	4/30/2002	RLJ	SW846 8260B
1,1-Dichloropropene	Below det lim	ug/Kg	2120	4/30/2002	RLJ	SW846 8260B
cis-1,3-Dichloropropene	Below det lim	ug/Kg	2120	4/30/2002	RLJ	SW846 8260B

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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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Laboratory Report Supplement
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

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CHAIN OF CUSTODY RECORD

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.

Page 1 of 2

Report To: Cindy Knight - LES
354 S River Rd.
Tolland CT 06084
Project Mgr.: D. Stock - M&I

Invoice To: CTDOT - DAS Contract #6
c/o LES
354 S. River Rd.
Tolland CT 06084
P.O. No.: _____ RQN: _____

Project No.: 303-005
Site Name: Bridge 710R Over Route 15
Location: New Canaan State: CT
Sampler(s): C. Criscuolo

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=_____

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= BALLAST 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 - 8260	CT ETPH	PAHs - 8270	Pesticides - 8081	PCBs - 8082	Herbicides - 8151	Total RCRA 8 Metals	SPLP RCRA 8 Metals	Notes:
AD11628	S-1	4/23/02		G	SO			2				X	X	X	X	X	X	X	X	
AD11629	S-2			G	SO			2				X	X	X	X	X	X	X	X	
AD11630	S-3			G	SO			2				X	X	X	X	X	X	X	X	
AD11631	S-4			G	SO			2				X	X	X	X	X	X	X	X	
AD11632	B-1			G	X1				2			X	X	X	X	X	X	X	X	
AD11633	B-2			G	X1				2			X	X	X	X	X	X	X	X	
AD11634	B-3			G	X1				2			X	X	X	X	X	X	X	X	
AD11635	B-4			G	X1				2			X	X	X	X	X	X	X	X	
AD11636	B-5			G	X1				2			X	X	X	X	X	X	X	X	
AD11637	B-6			G	X1				2			X	X	X	X	X	X	X	X	

Relinquished by:	Received by:	Date:	Time:
[signature]	Jeremy Lingbuell	4/24/02	13:17
[signature]	[signature]	4/24/	1505

☐ Fax results when available to (____) _____
☐ E-mail results when available to _____
Condition upon Receipt: ☒ Iced ☐ Ambient ☐ 2 °C Cooler Ice

04261517 (m)

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Special Handling:
☒ Standard TAT - 7 to 10 business days
☐ Rush TAT - Date Needed: _____
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Page 2 of 2

Report To: C Knight - LES
354 S. River Rd.
Tolland CT 06084
Project Mgr.: D. Stock - MCI

Invoice To: CTDOT - DAS Contract #6
c/o LES
354 S River Rd.
Tolland CT 06084
P.O. No.: _____ RQN: _____

Project No.: 303-005
Site Name: Bridge 710R Over Rte. 15
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7=CH_3OH 8= $NaHSO_4$ 9= _____ 10= _____

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
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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-8260	CTETPH	PAHs-8270	Pesticides-8081	PCBs-8082	Herbicides-8151	Total RCRA 8 Metals	SPLP RCRA 8 Metals	Asbestos	TCLP RCRA 8 Metals	~~TCLP~~ HAZARDOUS SUBSTANCE LIST	*Notes:
AC 11638	B-7	4/23/02		G	X1				2			X	X	X	X	X	X	X	X				PCBs Pest 8260 8270 Tot. RCRA8 CN 9012 per attached list.
AC 11639	M-1			G	X2				2			X	X	X	X	X	X	X	X	X			
AC 11640	T-1			G	X3				2				X								X	X	X
AC 11641	T-2			G	X3				2				X								X	X	X
AC 11642	T-3			G	X3				2				X								X	X	X
AC																							
AC																							
AC																							
AC																							
AC																							

Relinquished by:	Received by:	Date:	Time:
[signature]	Jeremy Lindfield	4/24/02	13:17
[signature]	[signature]	4/24/02	1505

☐ Fax results when available to (____) _____
☐ E-mail results when available to _____
Condition upon Receipt: ☒ Iced ☐ Ambient ☐ 2 °C Cooler Ice