Peer Engineering
Integrated Environmental Solutions

LIMITED SITE INVESTIGATION

Scherer Brothers Lumber Property
Minneapolis, Minnesota

Prepared for:

Minneapolis Community Planning & Economic Development

May 26, 2010

LIMITED SITE INVESTIGATION
SCHERER BROTHERS LUMBER PROPERTY
MINNEAPOLIS, MINNESOTA
(Peer #20028)

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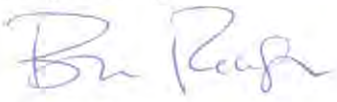

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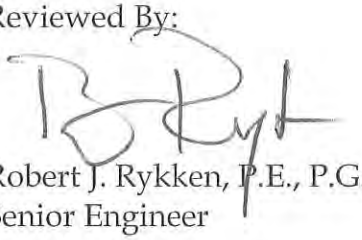

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1.0 INTRODUCTION

Peer Engineering, Inc. (Peer) was retained by Minneapolis Community Planning and Economic Development (CPED) to conduct a Limited Site Investigation (LSI) of the Scherer Brothers Lumber Company properties located at 9 8th Avenue NE, 15 8th Avenue NE; 9 and 52 9th Avenue NE; and 807, 900, and 907 Sibley Street NE in Minneapolis, Minnesota (the Site). CPED plans to purchase a portion of the Site to facilitate re-development. The purpose of this LSI was to assess potential subsurface contamination due to past use of the Site.

2.0 BACKGROUND

2.1 SITE DESCRIPTION

The Site is composed of seven parcels totaling approximately 13.87 acres in size. The Site is bounded by 10th Avenue NE and commercial and industrial property to the north, Ramsey Street and commercial and industrial property to the east, 8th Avenue NE to the south and the Mississippi River to the west, as indicated on **Figure 1**.

The Site is currently owned and occupied by Scherer Bros. Lumber Company. The Site consists of nine buildings and paved storage areas previously used as a retail lumber and building supply facility.

2.2 PREVIOUS ENVIRONMENTAL REPORTS

The following environmental reports have been completed for the Site:

- *Phase One Environmental Site Assessment, Scherer Brothers Lumber Company Propoerty, 9 9th Ave NE, 52 9th Ave NE, 15 8th Ave NE, 9 8th Ave NE, 807 Sibley St NE, 900 Sibley St NE, 907 Sibley St NE Minneapolis, Minnesota, dated November, 2009, prepared by Liesch Associates, Inc. (the 2009 Liesch Phase I).*

- *Limited Phase Two Environmental Site Assessment, Part of Scherer Bros Lumber Property, 9 9th Avenue Northeast, Minneapolis, Minnesota, dated October 22, 2009, prepared by Liesch Associates, Inc. (the 2009 Liesch Phase II).*

- *Limited Soil Investigation Report, Scherer Brothers Property, 9 Ninth Avenue NE and 900 Sibley Street NE, Minneapolis, Minnesota, dated March 31, 2010, prepared by R.J. Rykken Consulting, Inc. (the 2010 RJR LSI).*

The 2009 Liesch Phase II consisted of twelve soil borings (B-1 through B-12) advanced to depths ranging from 16 to 119 feet below ground surface (bgs) in the locations shown on **Figure 2**. Liesch identified elevated levels of lead, diesel range organics (DRO), polynuclear aromatic hydrocarbons (PAHs), and the volatile organic compound (VOC) naphthalene in the southwest portion of the Site. The elevated levels were reported to the Minnesota State Duty Officer in July, 2009.

The 2009 Liesch Phase I identified a Minnesota Pollution Control Agency (MPCA) leaking underground storage tank (LUST) site (Leak #1057) next to the maintenance garage at 52 9th Avenue NE.

The 2010 RJR LSI consisted of twenty push probe soil borings (SB-1 through SB-20) in the locations shown on **Figure 2**. The LSI identified elevated levels of PAHs, lead, arsenic, mercury, and cadmium in fill materials on the 900 Sibley Street NE parcel.

3.0 LSI ACTIVITIES

A description of the LSI and associated documentation is provided in the following sections. Methods and procedures are presented in **Appendix A**.

3.1 FIELD INVESTIGATION

3.1.1 Overview

The LSI included the following general elements:

- Completion of twenty geoprobe borings to a depth of 12 feet bgs.
- Completion of three geotechnical borings to a depth of 60 feet bgs.
- Collection of soil samples from the geoprobes and geotechnical borings for organic vapor monitoring, classification and possible laboratory analysis.
- Collection and laboratory analysis of two ground water samples from temporary monitoring wells in two geoprobe locations.
- Laboratory analysis of select soil samples.

The geoprobe and geotechnical boring locations are shown on **Figure 2**. The boring locations were selected based on discussions with CPED representatives, historic aerial photographs, and to obtain representative spatial coverage of the Site. Several borings were located in the area of the former and existing petroleum underground storage tanks (USTs), dispensers and maintenance building to assess potential contamination from these sources.

3.1.2 Utility Clearance

Prior to the start of investigation activities, the drilling subcontractors Bergerson Caswell, Inc. (Bergerson) of Maple Plain, Minnesota and American Engineering Testing, Inc. (AET) of St. Paul, Minnesota notified the Gopher One-Call System to clear public utilities at the Site. The Site owner cleared private utilities at the Site.

3.1.3 Geoprobes

Twenty geoprobe borings (GP-1 through GP-20) were advanced at the Site on April 22 and 23, 2010 by Bergerson using a hydraulic push-probe rig. With the exception of boring GP-13, which was abandoned after losing the sampling equipment, all geoprobe borings were completed to a depth of 12 feet bgs.

Soil samples were collected continuously until the termination depth of each geoprobe boring. The soil samples were screened in the field for organic vapors using a photoionization detector (PID) equipped with a 10.6 eV lamp and were examined for evidence of potential contamination including odors, staining or debris. Soil samples were selected for laboratory analysis based on visual observations and PID screening results, and to assess potential sources of contamination. Soil boring logs are included in **Appendix B**.

All sampling equipment was decontaminated prior to use to reduce the risk of potential cross-contamination. Upon completion, the soil borings were abandoned in accordance with Minnesota Department of Health (MDH) regulations.

3.1.4 Temporary Monitoring Wells

Two temporary monitoring wells were installed in geoprobe borings GP-13A and GP-14. The temporary monitoring wells were constructed of PVC casing and screen materials. The wells were purged and sampled using dedicated polyethylene tubing and a check valve. Two ground water samples were submitted for laboratory analysis. Water levels were measured in each temporary well using an electronic water level meter.

3.1.5 Geotechnical Borings

Three geotechnical borings (B-1-2010 through B-3-2010) were advanced at the Site on April 26 and 28, 2010 by AET using a hollow stem auger drill rig. All geotechnical borings were completed to depths of 60 feet bgs.

Soil samples collected to depths of 16 feet bgs were screened in the field for organic vapors using a PID equipped with a 10.6 eV lamp and were examined for evidence of potential contamination including odors, staining or debris. One soil sample {B-3-2010 (1'-2')} was selected for laboratory analysis based on visual observations and PID screening results.

All sampling equipment was decontaminated prior to use to reduce the risk of potential cross-contamination. Upon completion, the soil borings were abandoned in accordance with MDH regulations.

AET prepared a "Report of Subsurface Exploration and Geotechnical Review, dated May 11, 2010" (AET Geotechnical Report) providing preliminary foundation and other construction recommendations for the Site. The AET Geotechnical Report was submitted to CPED under separate cover.

3.2 ANALYTICAL TESTING

Selected soil and ground water samples collected during the LSI were submitted to Pace Analytical Services, Inc. (Pace) for analytical testing. The samples were analyzed for a combination of the following parameters:

Soil Samples

- DRO using the WDNR Method.
- VOCs using Environmental Protection Agency (EPA) Method 8260.
- PAHs using EPA Method 8270.
- Total Resource Conservation and Recovery Act (RCRA) Metals using various EPA Methods.
- Toxicity Characteristic Leach Procedure (TCLP) lead using EPA methods 1311/6010.

Groundwater Samples

- VOCs using EPA Method 8260.
- DRO using the WDNR Method.

4.0 INVESTIGATION RESULTS

4.1 HYDROGEOLOGY

Regional

The surface elevation of the Site is approximately 810 feet National Geodetic Vertical Datum (NGVD). The terrain is relatively level. Based on published information, surficial soils in the vicinity of the Site consist of postglacial deposits composed of clay and silt, mixed with very fine sand and organic matter; and loamy sand and gravel with thin beds of fine sediment and organic matter. The depth to bedrock ranges from 100 to 150 feet bgs and consists of the St. Peter Sandstone Formation.

The regional groundwater table occurs less than 10 feet bgs. The estimated direction of region groundwater flow is southwest toward the Mississippi River. It should be noted that the depth and gradient of the water table might change seasonally in response to variations in precipitation and recharge, and over time in response to urban development such as stormwater controls, impervious surfaces, and pumping wells.

Site-Specific

The geoprobe and geotechnical borings completed during this LSI generally encountered sand, gravelly sand, silty clayey sand, clayey sand and clay from the ground surface to the termination depth. Fill was encountered in all twenty of the borings at depths ranging from approximately 0.5 to 7 feet bgs. The deepest fill was encountered in GP-1. Fill soils generally consisted of sand with various amounts of debris (see section 4.2). Soil boring logs are included in **Appendix B.**

Groundwater was observed and estimated at depths ranging from 7 to 11 feet bgs in all of the borings. Ground water was encountered and measured at depths of 9.7 and 9.8 feet bgs in borings GP-13A and GP-14, respectively.

4.2 ORGANIC VAPOR SCREENING/FIELD OBSERVATIONS

Elevated organic vapor (PID) readings, greater than 3.0 parts per million (ppm), were measured in the soil samples collected from geoprobes GP-7, GP-13A, and GP-14 and geotechnical boring B-3-2010. PID reading of 10 ppm was measured in the interval between 0.5 and 4 feet bgs in GP-7. PID readings of 12 ppm and 4 ppm were measured in the interval between 10 and 12 feet bgs in GP-13A and GP-14, respectively. PID reading of 70 ppm was measured in the interval between 1 and 2 feet bgs in B-3-2010. No other elevated PID readings (greater than 3.0 ppm) were measured in any other soil samples collected during the LSI. Sample depths and PID screening results are included on the geoprobe boring logs (**Appendix B**).

Varying amounts of debris (wood, metal, brick, slag and/or ash) were observed in soil samples collected from all of the geoprobe locations in the upper fill material from depths ranging from 0.5 to 7 feet bgs.

Petroleum odors were noted in soil samples collected from geoprobe borings GP-13A and GP-14 at the 10 to 12 foot interval and from geotechnical boring B-3-2010 at the 1 to 4 foot interval.

4.3 ANALYTICAL TESTING RESULTS

4.3.1 Soil Analytical Results

Twenty-two soil samples were submitted for analysis. The soil analytical results are presented in **Table 1**. For comparison purposes, **Table 1** also lists the Residential Soil Reference Values (R-SRVs) and Industrial Soil Reference Values (I-SRVs) and Tier 1 Soil Leaching Values (SLVs) established by the MPCA. A copy of the laboratory analytical report and chain-of-custody forms for the soil samples are included in **Appendix C**.

The following observations are provided regarding the soil analytical results:

- The VOCs chloroform and cis-1,2-dichloroethene (cis-1,2-DCE) were detected above the laboratory reporting limits in GP-7 (1-4') and trichloroethene (TCE) was detected above laboratory reporting limits in GP-7 (1-4') and GP-13A (10-12'). The cis-1,2-DCE and TCE concentrations in GP-7 (1-4') exceeded the established Tier I SLVs. No other VOC were reported above laboratory reporting limits in the samples analyzed for this parameter.
- PAHs were detected in 19 of the 21 soil samples analyzed for PAHs. The Benzo(a)pyrene (BaP) equivalent concentrations exceeded the established R-SRV in GP-18 (2.5-4'), the I-SRV in GP-7 (1-4') and GP-9 (0.5-2') and both the I-SRV and Tier I SLV in GP-3 (1-4'). All other PAH concentrations were below established SRVs and SLVs.

- Measurable concentrations of arsenic were detected in all 21 soil samples analyzed for metals. The arsenic concentrations exceed the R-SRV in 13 of the 21 samples, exceed the Tier I SLV in 8 of these samples, and exceed the I-SRVs in 6 of these samples.
- Cadmium, chromium and/or selenium concentrations exceeded the Tier I SLV in 16 of the 21 soil samples analyzed for metals.
- The lead concentration of 2,120 milligrams per kilogram (mg/kg) detected in GP-7 (1-4') exceeds the I-SRV and Tier I SLV. The lead concentration of 631 mg/kg in GP-15 (0.5-3') exceeds the R-SRV and Tier I SLV. TCLP lead concentrations in these samples (**Table 2**) did not exceed the regulatory level of 5 milligrams per liter (mg/l).
- The mercury concentration of 0.69 mg/kg detected in GP-7 (1-4') exceeds the R-SRV. The mercury concentration of 1.8 mg/kg detected in GP-16 (0.5-4') exceeds both the I-SRV and the Tier I SLV.
- DRO was detected in the 3 of the 5 soil samples analyzed for this parameter. DRO concentrations ranged from 209 mg/kg in GP-14 (1.5-4') to 1,130 mg/kg in B-3-2010 (1-2'). There are no established SRVs or SLVs for DRO in soil.

4.3.2 Ground water Analytical Results

The groundwater analytical results are presented in **Table 3**. For comparison purposes, **Table 3** also lists the MDH Health Risk Limits (HRLs). A copy of the laboratory analytical report and chain-of-custody forms for the ground water samples are included in **Appendix C**.

Ground water samples were collected from temporary monitoring wells installed in geoprobe borings GP-13A and GP-14.

The following observations are provided regarding the groundwater analytical results:

- Several VOCs were detected above laboratory reporting limits in GP-13A-W and GP-14W. The TCE concentration of 7.5 micrograms per liter (µg/L) exceeded the established HRL in GP-13A-W. The vinyl chloride concentration of 2.4 µg/L exceeded the established HRL in GP-14W. Detected concentrations of benzene and cis-1,2-Dichloroethylene (cis-1,2-DCE) did not exceed HRLs. No other VOC were detected above laboratory reporting limits.
- DRO was detected in the ground water sample collected from both GP-13A-W and GP-14W at concentrations of 430 µg/L and 1,400 µg/L, respectively. The DRO concentrations exceed the provisional MDH Health Based Value for Total Petroleum Hydrocarbons (TPH) of 200 µg/L. Currently, there are no established HRLs for DRO.

5.0 SUMMARY AND CONCLUSIONS

The LSI was conducted to further evaluate soil and ground water contamination at the Site and to determine if response actions are necessary for redevelopment of the Site. The following conclusions are provided regarding the LSI results:

- The geoprobes and geotechnical borings completed during this LSI encountered sand, gravelly sand, silty clayey sand, clayey sand and clay from the ground surface to 12 feet bgs. Fill was encountered in all twenty of the geoprobes at depths ranging from approximately 3.5 to 7 feet bgs. Fill soils generally consisted of sand with various amounts of gravel and debris. Groundwater was encountered at estimated depths ranging from 7 to 11 feet bgs in all of the soil boring locations.

- Organic vapors were measured and petroleum odors were noted in soil samples collected from borings GP-13A and GP-14, located near the petroleum USTs and dispenser adjacent to the maintenance building. Laboratory analyses detected DRO in soil and ground water samples collected from these borings. Based on the field monitoring and laboratory data, the DRO concentrations appear to be related to the historic petroleum release (MPCA Leak #1057) or higher boiling hydrocarbons in the fill materials, and do not represent evidence of a new petroleum release.

- DRO was detected in soil sample B-3-2010 (1'-2') at a concentration of 1,130 milligrams per kilogram (mg/kg). Based on the field monitoring and laboratory data, the DRO concentration detected in this soil sample appears to be related to a previously unknown diesel/fuel oil type spill/release in this area.

- Chlorinated volatile organic compounds (VOCs), including trichloroethylene (TCE), cis-1,2-dichloroethylene (c-1,2-DCE), and vinyl chloride, were detected in ground water samples collected from borings GP-13A and GP-14. TCE was also detected in soil sample GP-13A (10'-12'). TCE degrades into c-1,2-DCE and vinyl chloride. The source of the TCE is unknown; however, TCE is commonly used as a degreasing solvent.

- Organic vapors were detected at a concentration of 10 ppmv in the soil sample collected from a depth of 1 to 4 feet bgs in boring GP-7. Laboratory analyses detected TCE, c-1,2-DCE, and chloroform at concentrations less than MPCA SRVs. The source of these chemicals is not known.

- PAH concentrations exceeding MPCA SRVs were detected in fill materials in the locations of soil borings GP-3, GP-7, GP-9 and GP-18. The PAHs appear to be associated with ash and/or slag in the fill materials.

- Metals, including arsenic, mercury and lead, were detected at concentrations exceeding MPCA SRVs in the majority of fill materials.

6.0 RECOMMENDATIONS

Based on the results of the LSI, the following recommendations are provided:

- The information regarding the petroleum release identified in soil boring B-3-2010 should be provided to Scherer Brothers Lumber Company in the event they want to notify the State Duty Officer.

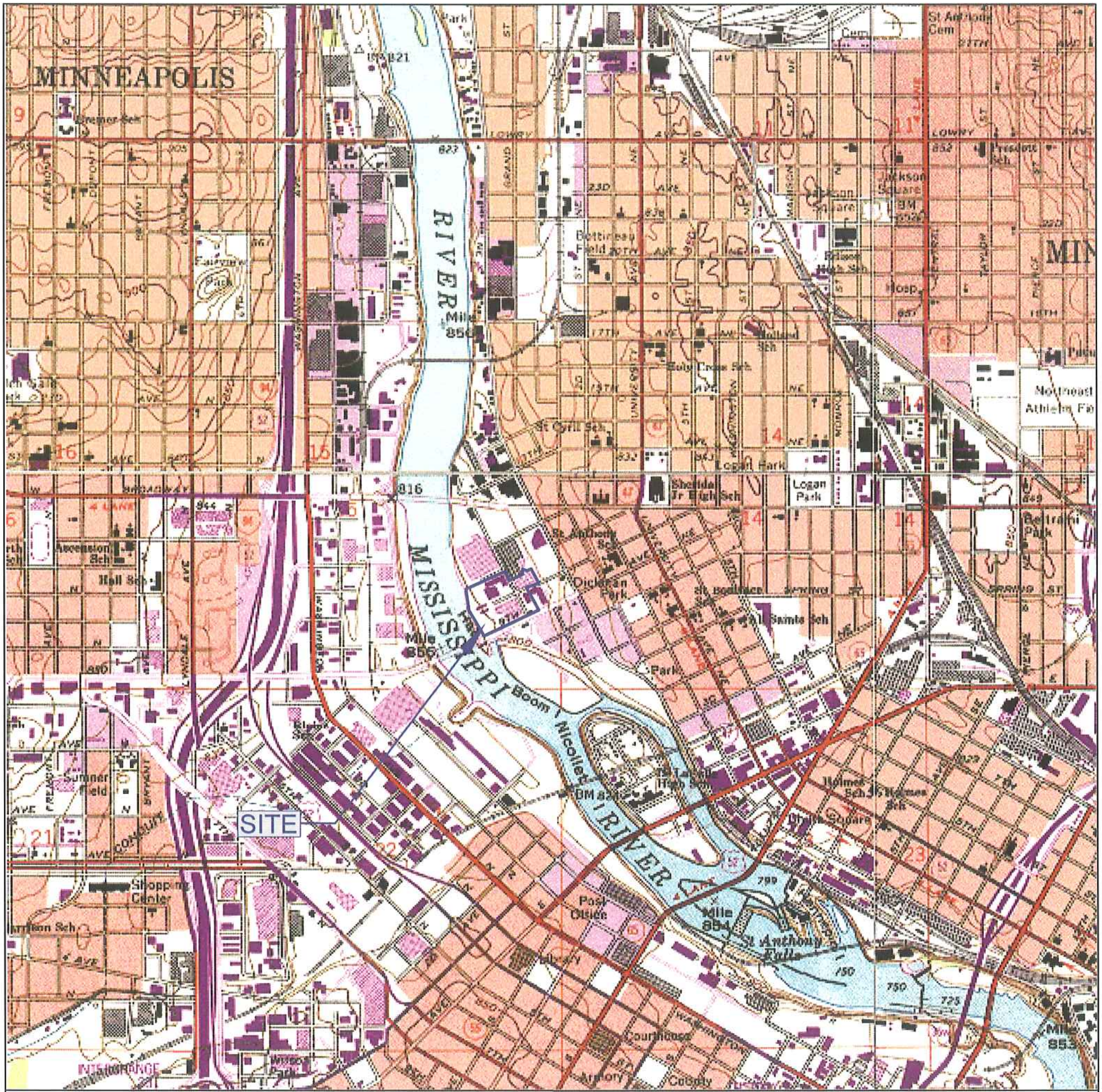
- Chlorinated VOCs, including TCE, cis-1,2-DCE and vinyl chloride were detected in soil samples GP-7 (1-4') and GP-13A (10-12') and in ground water samples GP-13A-W and GP-14W. The source of these chlorinated VOCs is unknown. TCE is commonly used as a degreasing agent breaks down into cis-1,2-DCE and then into vinyl chloride as the final product. Additional investigation is recommended to determine the source and extent of this contamination.

- The uppermost approximately four feet of fill material on Site contains debris and elevated PAH and/or metal contamination. Any fill material exported during future redevelopment activities will have to be disposed of properly at a licensed facility. Fill materials with contaminant concentrations exceeding MPCA SRVs can remain on Site in less accessible locations (below a depth of four feet or beneath permanent structures) with institutional controls.

- Additional work will be necessary to obtain MPCA approval of response actions for future development. Additional investigation is recommended to further assess the extent of the VOC and metal contamination identified in soil boring GP-7 and the extent of metal contamination identified in soil boring GP-16.

- A Response Action Plan (RAP) should be prepared based on the proposed redevelopment of the Site. The RAP should be submitted to the MPCA Petroleum Brownfields (PB) and Voluntary Investigation and Cleanup (VIC) Programs for review and approval prior to initiating any redevelopment activities.

FIGURES



MAP LOCATION

TAKEN FROM: MINNEAPOLIS NORTH, MINNEAPOLIS SOUTH, ST. PAUL WEST, MN, 7.5 MINUTE SERIES TOPOGRAPHIC MAP 1967 (REVISED 1993) UNITED STATES GEOLOGICAL SURVEY

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SCALE IN FEET

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SITE LOCATION MAP

SCHERER LUMBER PROPERTY
MINNEAPOLIS, MINNESOTA

MAY 2010

FIGURE
1

20028\LSI Investigation Locations.DWG

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SITE DIAGRAM

SCHERER BROS. LUMBER PROPERTY
MINNEAPOLIS, MINNESOTA

MAY 2010

FIGURE
2

TABLES

Table 1
Soil Analytical Results
Scherer Bros Lumber Property
Minneapolis, Minnesota

Compound/Parameter	CAS No.	Residential Soil Reference Value (SRV)	Industrial Soil Reference Value (SRV)	Tier I Soil Leaching Value (SLV)	Sample Identifier and Date Collected											
					GP-1 (2-4') 4/22/2010	GP-2 (2-4') 4/22/2010	GP-3 (1-4') 4/22/2010	GP-4 (2-4') 4/22/2010	GP-5 (1-3') 4/22/2010	GP-6 (1-4') 4/22/2010	GP-7 (1-4') 4/22/2010	GP-9 (0.5-2') 4/22/2010	GP-10 (0.5-2') 4/22/2010	GP-11 (0.5-2') 4/22/2010	GP-13A (2-4') 4/23/2010	GP-13A (10-12') 4/23/2010
Volatile Organic Compounds (VOCs) reported in mg/kg																
Chloroform	67-66-3	2.5	4	0.17	NA	NA	NA	NA	NA	NA	0.123	NA	NA	NA	NA	ND (0.0563)
cis-1,2-Dichloroethene	156-59-2	8	22	0.14	NA	NA	NA	NA	NA	NA	0.288	NA	NA	NA	NA	ND (0.0563)
Trichloroethene	79-01-6	29	46	0.14	NA	NA	NA	NA	NA	NA	12.9	NA	NA	NA	NA	0.109
All other reported VOCs	NE	Various	Various	Various	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND
Polynuclear Aromatic Hydrocarbons (PAHs) reported in mg/kg																
Acenaphthene	83-32-9	1,200	5,260	50	ND (0.554)	ND (0.116)	1.48	ND (0.064)	ND (0.0113)	0.111	0.233	0.449	ND (0.0617)	0.156	ND (0.144)	NA
Acenaphthylene	208-96-8	NE	NE	NE	0.121	ND (0.116)	0.195	ND (0.064)	0.115	0.0977	ND (0.135)	0.441	0.155	0.0648	ND (0.144)	NA
Anthracene	120-12-7	7,880	45,400	942	ND (0.554)	0.321	4.33	ND (0.064)	0.025	0.341	0.983	2.6	0.109	0.483	ND (0.144)	NA
Benzo(a)anthracene	56-55-3	[c]	[c]	[c]	0.573	0.769	10.4	0.266	0.0733	1.11	4.33	7.9	0.553	1.23	0.27	NA
Benzo(a)pyrene	50-32-8	[c]	[c]	[c]	0.590	0.684	7.33	0.238	0.0682	0.875	3.35	5.21	0.683	0.987	0.259	NA
Benzo(b)fluoranthene	205-99-2	[c]	[c]	[c]	0.763	1.020	10.1	0.376	0.112	1.62	4.28	7.03	1.1	1.64	0.357	NA
Benzo(g,h,i)perylene	191-24-2	NE	NE	NE	0.273	0.246	5.17	0.212	0.0524	0.45	1.08	1.86	0.522	0.54	0.231	NA
Benzo(k)fluoranthene	207-08-9	[c]	[c]	[c]	0.286	0.436	3.39	0.146	0.0413	0.46	1.43	3.06	0.401	0.532	ND (0.144)	NA
Chrysene	218-01-9	[c]	[c]	[c]	0.461	0.616	7.58	0.214	0.0724	0.989	3.18	5.49	0.468	1.01	0.379	NA
Dibenz(a,h)anthracene	53-70-3	[c]	[c]	[c]	0.103	ND (0.116)	1.58	ND (0.064)	0.0149	0.147	0.374	0.752	0.144	0.175	ND (0.144)	NA
Fluoranthene	206-44-0	1,080	6,800	295	0.456	1.450	18.5	0.371	0.129	1.81	6.2	14.9	0.641	2.29	0.301	NA
Fluorene	86-73-7	850	4,120	47	ND (0.554)	ND (0.116)	1.27	ND (0.064)	ND (0.0113)	0.122	0.219	0.622	ND (0.0617)	0.139	ND (0.144)	NA
Indeno(1,2,3-cd)pyrene	193-39-5	[c]	[c]	[c]	0.260	0.223	4.05	0.175	0.046	0.44	0.991	1.97	0.422	0.495	ND (0.144)	NA
Naphthalene	91-20-3	10	28	7.5	ND (0.554)	0.135	0.208	ND (0.064)	ND (0.0113)	0.103	0.2	ND (0.109)	0.0673	0.0701	0.367	NA
Phenanthrene	85-01-8	NE	NE	NE	0.184	1.140	15.5	0.31	0.127	1.62	3.06	7.08	0.317	1.75	0.728	NA
Pyrene	129-00-0	890	5,800	272	0.622	1.230	17.3	0.32	0.0813	1.26	7.96	12.5	0.552	1.85	0.416	NA
BaP Equivalent [c]	NE	2	3	10.2	0.840	0.935	11.085	0.336	0.105	1.330	4.694	7.682	1.016	1.485	0.325	NA
Metals reported in mg/kg																
Arsenic, Total	7440-38-2	9	20	15.1	6.4	15.3	5.1	11.6	7.7	7.7	27.6	8	10	21.2	23.2	NA
Barium, Total	7440-39-3	1,100	18,000	842	65.1	109	120	129	74.6	174	304	71.1	78.3	106	277	NA
Cadmium, Total	7440-43-9	25	200	4.4	0.86	2.7	17.8	2.5	0.86	0.75	3	ND (0.050)	1.3	3.3	3.7	NA
Chromium, Total [d]	7440-47-3	44,000/87 [d]	100,000/650 [d]	1,000,000/18 [d]	8.4	12.6	8.9	14	9.3	17.2	17	11.3	8	11.5	10.9	NA
Lead, Total	7439-92-1	300	700	525	28.9	155	34.8	36.1	97.3	119	2,120	24.7	119	135	42.4	NA
Mercury, Total	7439-97-6	0.5	1.5	1.6	0.05	0.26	0.07	0.11	0.063	0.19	0.69	0.04	0.25	0.14	0.032	NA
Selenium, Total	7782-49-2	160	1,300	1.5	1.4	2.1	1.1	2.2	1.5	1.3	4.7	1.1	2	2.8	4.4	NA
Silver, Total	7440-22-4	160	1,300	3.9	ND (0.50)	ND (0.48)	ND (0.71)	ND (0.51)	ND (0.47)	ND (0.44)	ND (0.58)	ND (0.50)	ND (0.54)	ND (0.52)	ND (0.67)	NA
Other Parameters reported in mg/kg																
Diesel Range Organics (DRO)	NE	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	245*	ND (6.4)

NOTES:
mg/kg = Milligrams per kilogram.
NA = Sample not analyzed for this parameter.
ND = Not detected at or above the laboratory reporting limit indicated in parentheses.
NE = Regulatory limit not established for this parameter.
* = High boiling point hydrocarbons are present in the sample.
[c] = Benzo(a)pyrene (BaP) equivalent is a calculated value based on the weighted concentration and toxicity of the following compounds: benzo(a)anthracene, benzo(b)fluranthene, benzo(k)fluoranthene, benzo(a)pyrene, chyrsene, dibenz(a,h)anthracene, and indeno (1,2,3-cd)pyrene.
[d] = Reported result(s) is total chromium, regulatory limit for chromium III and chromium VI are provided.

Exceeds Residential SRV
Exceeds Tier I SLV
Exceeds Residential and Industrial SRVs
Exceeds Residential SRV and Tier I SLV
Exceeds Residential and Industrial SRVs and Tier I SLV

Table 1
Soil Analytical Results
Scherer Bros Lumber Property
Minneapolis, Minnesota

Compound/Parameter	CAS No.	Residential Soil Reference Value (SRV)	Industrial Soil Reference Value (SRV)	Tier I Soil Leaching Value (SLV)	Sample Identifier and Date Collected										
					GP-14 (1.5-4') 4/23/2010	GP-14 (4-6') 4/23/2010	GP-15 (0.5-3') 4/23/2010	GP-16 (0.5-4') 4/23/2010	GP-17 (2-4') 4/23/2010	GP-17 (5.5-7') 4/23/2010	GP-18 (2.5-4') 4/23/2010	GP-19 (0.5-2') 4/23/2010	GP-20 (0.5-2') 4/23/2010	B-3 (1-2') 4/28/2010	Trip Blank
Volatile Organic Compounds (VOCs) reported in mg/kg															
Chloroform	67-66-3	2.5	4	0.17	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND (0.05)
cis-1,2-Dichloroethene	156-59-2	8	22	0.14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND (0.05)
Trichloroethene	79-01-6	29	46	0.14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND (0.05)
All other reported VOCs	NE	Various	Various	Various	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
Polynuclear Aromatic Hydrocarbons (PAHs) reported in mg/kg															
Acenaphthene	83-32-9	1,200	5,260	50	ND (0.119)	ND (0.012)	ND (0.0654)	ND (0.0584)	ND (0.0577)	ND (0.0122)	ND (0.0637)	ND (0.0624)	ND (0.116)	**0.526**	NA
Acenaphthylene	208-96-8	NE	NE	NE	ND (0.119)	ND (0.012)	ND (0.0654)	**0.146**	ND (0.0577)	ND (0.0122)	ND (0.0637)	ND (0.0624)	ND (0.116)	**0.222**	NA
Anthracene	120-12-7	7,880	45,400	942	ND (0.119)	ND (0.012)	**0.0727**	**0.157**	ND (0.0577)	ND (0.0122)	**0.0649**	**0.0789**	ND (0.116)	ND (0.0544)	NA
Benzo(a)anthracene	56-55-3	[c]	[c]	[c]	**0.222**	ND (0.012)	**0.262**	**0.689**	**0.123**	ND (0.0122)	**0.538**	**0.285**	**0.62**	**0.702**	NA
Benzo(a)pyrene	50-32-8	[c]	[c]	[c]	**0.208**	ND (0.012)	**0.202**	**0.625**	**0.0914**	ND (0.0122)	**1.65**	**0.267**	**0.557**	**0.477**	NA
Benzo(b)fluoranthene	205-99-2	[c]	[c]	[c]	**0.307**	ND (0.012)	**0.389**	**0.949**	**0.157**	ND (0.0122)	**2.05**	**0.437**	**0.851**	**0.813**	NA
Benzo(g,h,i)perylene	191-24-2	NE	NE	NE	**0.159**	ND (0.012)	**0.163**	**0.395**	**0.0772**	ND (0.0122)	**1.43**	**0.153**	**0.319**	**0.271**	NA
Benzo(k)fluoranthene	207-08-9	[c]	[c]	[c]	ND (0.119)	ND (0.012)	**0.104**	**0.327**	ND (0.0577)	ND (0.0122)	**0.728**	**0.196**	**0.318**	**0.217**	NA
Chrysene	218-01-9	[c]	[c]	[c]	**0.317**	ND (0.012)	**0.34**	**0.568**	**0.177**	ND (0.0122)	**0.751**	**0.255**	**0.762**	**0.434**	NA
Dibenz(a,h)anthracene	53-70-3	[c]	[c]	[c]	ND (0.119)	ND (0.012)	ND (0.0654)	**0.106**	ND (0.0577)	ND (0.0122)	**0.453**	ND (0.0624)	ND (0.116)	**0.0821**	NA
Fluoranthene	206-44-0	1,080	6,800	295	**0.315**	ND (0.012)	**0.391**	**1.04**	**0.126**	ND (0.0122)	**0.434**	**0.445**	**0.665**	**1.09**	NA
Fluorene	86-73-7	850	4,120	47	ND (0.119)	ND (0.012)	ND (0.0654)	ND (0.0584)	ND (0.0577)	ND (0.0122)	ND (0.0637)	ND (0.0624)	ND (0.116)	**0.579**	NA
Indeno(1,2,3-cd)pyrene	193-39-5	[c]	[c]	[c]	ND (0.119)	ND (0.012)	**0.11**	**0.31**	ND (0.0577)	ND (0.0122)	**1.03**	**0.147**	**0.201**	**0.225**	NA
Naphthalene	91-20-3	10	28	7.5	**0.173**	ND (0.012)	**0.247**	ND (0.0584)	**0.0755**	ND (0.0122)	**0.45**	**0.107**	**0.352**	**0.816**	NA
Phenanthrene	85-01-8	NE	NE	NE	**0.47**	ND (0.012)	**0.573**	**0.363**	**0.209**	ND (0.0122)	**0.834**	**0.264**	**0.86**	**1.74**	NA
Pyrene	129-00-0	890	5,800	272	**0.354**	ND (0.012)	**0.359**	**1.02**	**0.135**	ND (0.0122)	**0.486**	**0.411**	**0.77**	**1.33**	NA
BaP Equivalent [c]	NE	2	3	10.2	**0.264**	ND (0.012)	**0.292**	**0.918**	**0.121**	ND (0.0122)	**2.346**	**0.376**	**0.764**	**0.723**	NA
Metals reported in mg/kg															
Arsenic, Total	7440-38-2	9	20	15.1	**11.3**	**5.9**	**36.2**	**21.1**	**10.7**	**4.1**	**23**	**10.9**	**17.8**	**8**	NA
Barium, Total	7440-39-3	1,100	18,000	842	**318**	**58.8**	**258**	**171**	**110**	**48.4**	**94.1**	**147**	**90.6**	**161**	NA
Cadmium, Total	7440-43-9	25	200	4.4	**1.6**	**1**	**1.5**	**7.8**	**0.8**	**1**	**1.6**	**2.1**	**1**	**0.74**	NA
Chromium, Total [d]	7440-47-3	44,000/87 [d]	100,000/650 [d]	1,000,000/18 [d]	**7.7**	**12.9**	**8.5**	**18.5**	**9.8**	**20.8**	**7.6**	**14.1**	**7.7**	**9.8**	NA
Lead, Total	7439-92-1	300	700	525	**228**	**5**	**631**	**228**	**41.1**	**6.6**	**61.4**	**80.1**	**64**	**92.5**	NA
Mercury, Total	7439-97-6	0.5	1.5	1.6	**0.25**	ND (0.021)	**0.18**	**1.8**	**0.036**	ND (0.021)	**0.067**	**0.061**	**0.063**	**0.11**	NA
Selenium, Total	7782-49-2	160	1,300	1.5	**2.2**	**1.4**	**4**	**2.5**	**1.9**	**1.2**	**3.6**	**2.4**	**1.5**	**3.5**	NA
Silver, Total	7440-22-4	160	1,300	3.9	ND (0.56)	ND (0.52)	ND (0.55)	ND (0.55)	ND (0.53)	ND (0.50)	ND (0.56)	ND (0.48)	ND (0.43)	ND (0.38)	NA
Other Parameters reported in mg/kg															
Diesel Range Organics (DRO)	NE	NE	NE	NE	**209**	ND (10)	NA	NA	NA	NA	NA	NA	NA	**1130***	NA

NOTES:
mg/kg = Milligrams per kilogram.
NA = Sample not analyzed for this parameter.
ND = Not detected at or above the laboratory reporting limit indicated in parentheses.
NE = Regulatory limit not established for this parameter.
* = High boiling point hydrocarbons are present in the sample.
[c] = Benzo(a)pyrene (BaP) equivalent is a calculated value based on the weighted concentration and toxicity of the following compounds: benzo(a)anthracene, benzo(b)fluranthene, benzo(k)fluoranthene, benzo(a)pyrene, chyrsene, dibenz(a,h)anthracene, and indeno (1,2,3-cd)pyrene.
[d] = Reported result(s) is total chromium, regulatory limit for chromium III and chromium VI are provided.

Exceeds Residential SRV
Exceeds Tier I SLV
Exceeds Residential and Industrial SRVs
Exceeds Residential SRV and Tier I SLV
Exceeds Residential and Industrial SRVs and Tier I SLV

TABLE 2
SOIL ANALYTICAL RESULTS – TCLP LEAD
SCHERER BROS. PROPERTY
MINNEAPOLIS, MINNESOTA

Sample Location	TCLP Lead Concentration (mg/l)
GP-7 (1′-4′)	0.43
GP-15 (0.5′-3′)	0.11
Regulatory Level	5.0

mg/l = milligrams per liter

Table 3
Ground Water Analytical Results
Scherer Lumber Property
Minneapolis, Minnesota

Compound/Parameter	CAS No.	Sample Identifier and Date Collected			Health Risk Limit (HRL) µg/L
		GP-13A-W	GP-14W	Trip Blank	
		4/23/2010	4/23/2010		
Volatile Organic Compounds (VOCs) reported in µg/L					
Benzene	71-43-2	ND (1.0)	2	ND (1.0)	5
cis-1,2-Dichloroethene	156-59-2	1.4	5.6	ND (1.0)	70
Trichloroethene	79-01-6	7.5	ND (1.0)	ND (1.0)	5
Vinyl chloride	75-01-4	ND (0.40)	2.4	ND (0.40)	0.2
All other reported VOCs	NE	ND	ND	ND	Various
Other Parameters reported in µg/L					
Diesel Range Organics (DRO)	NE	430	1,400	NA	200[g]

NOTES:
µg/L = Micrograms per liter.
NA = Sample not analyzed for this parameter.
ND = Not detected at or above the laboratory reporting limit indicated in parentheses.
NE = Regulatory limit not established for this parameter.
[g] = Provisional MDH Health Based Value for total petroleum hydrocarbons (sum of DRO and GRO).
Exceeds HRL

APPENDIX A

Standard Operating Procedure 211
Field Log Preparation

Purpose

Logs of individual borings completed in the field are the basis for printed logs and written field reports. Collecting the right information in the field is key to accurate and informative logs and reports.

Required Equipment

- Blank log form (boring, sampling probe, trench, etc.) or field notebook.

Procedure

1. A day or two before the field work, review the written scope of work with the project manager. The scope should define the boring numbering scheme, boring locations, depths, sample intervals, and types of samples to be collected. Make sure that all required field equipment is prepared and in good working condition.

2. In the field, identify the boring locations with the drilling subcontractor. Discuss the sampling procedures to ensure they meet the scope of work. In particular, discuss sample intervals and water sampling, if appropriate.

3. The drilling subcontractor will collect soil samples from the sample intervals and provide the samples to the field technician. The field technician is responsible for making field observations of the soil, screening soil samples for volatile organic vapors, and collecting soil or water samples for laboratory analysis.

4. If the material at the surface is less than six inches thick, indicate the material at the surface of the borehole (e.g., 4" concrete, asphalt, grass, gravel, etc.) in the Remarks section of the log form.

5. On the log form, indicate (in feet) the sample interval and recovery for each split spoon or probe sleeve provided by the subcontractor.

6. Collect a sample of the soil from each two-foot interval (or less) for organic vapor screening in the field (Peer SOP 212). Record the results of the vapor screening on the log form.

7. As soil samples are collected in the field, a visual identification and description will be completed as described below. Portions of the *Standard Practice for Description and Identification of Soils* (ASTM D2488-93) were used to prepare this SOP and soil descriptions should follow that document as applicable.

When visually describing soils in the field, the following information should be provided at a minimum. Field technicians capable of more-detailed and correct descriptions are encouraged to provide additional detail.

Prepare the soil description **in the order shown**.

a. A description of the main soil group within the sample (e.g., silty sand, clay, silt, etc.).

b. Optional. If coarse-grained soil (i.e., sand or gravel), include a brief description of the predominant particle grain size(s) (e.g., fine, medium, coarse).

c. Optional. If fine grained soil (i.e., clay or silt), describe the consistency based on finger pressure (e.g., very soft = thumb will penetrate soil more than 1 inch, soft = thumb will penetrate soil about 1 inch, firm = thumb will penetrate soil about ¼ inch, hard = thumb will not indent soil, but thumbnail will easily make a mark, very hard = thumbnail will not indent soil).

d. If another soil group is present in the sample describe its concentration with an adjective based on the percentages present within the sample (i.e., trace = < 5%, few = 5 to 10%, little = 10 to 25%, some = 30 to 45 %).

e. Describe the overall moisture of the soil sample using the terms dry, moist, or wet (do not use the term "saturated").

f. Describe the color of the main soil group (e.g., brown, gray, etc.).

g. Be sure to note the presence of any unusual occurrences (e.g., bricks, glass, debris, petroleum odor). Include the specific depth interval of the occurrence of unique material in the description or in the Remarks.

h. If the soil material is fill or probable fill, note in parenthesis [e.g., (fill), (probable fill)].

The following are examples of correct visual soil classifications:

- *Silty sand, fine to medium grained, with few gravel, moist, dark brown.*
- *Sandy clay with trace gravel, soft, wet, gray, petroleum odor (fill).*

8. If and when ground water is encountered, note the depth to water in the log.

9. As samples are collected for laboratory analysis (see Peer SOP 215, SOP 321, or SOP 322) note the sample name, analyses requested and time collected in the Remarks section. For example:

- *SP-1(8-10') DRO, GRO, VOCs @ 10:15*
- *SP-1 DRO, VOCs @ 10:45*

10. At the termination of the borehole record the final boring depth and the material used to backfill the borehole. Note if the borehole met refusal.

Standard Operating Procedure 212
Organic Vapor Screening

Purpose

Use this procedure to obtain a fast, general measurement of volatile organic compounds in soil.

Safety Equipment

- Wear nitrile gloves to reduce the incidence of skin contact with potentially contaminated soil and to reduce the risk of cross-contamination.

- Refer to the site-specific Health and Safety Plan for other safety concerns and applicable personal protective equipment.

Required Equipment

- Photoionization detector (PID) equipped with a 10.6 eV lamp (use an 11.8 eV lamp only if required by a site-specific sampling and analysis plan)

- PID calibration equipment

- One quart sealable bags, or soil jars, lids and aluminum foil

- Appropriate log forms or note pad for field notes

- Sharpie or permanent marker

Procedure

1. Select a PID on the afternoon before the field work is scheduled and charge the battery overnight by plugging in the adapter. As the PIDs have no battery gauge, failure to recharge the battery may leave you with a discharged battery and an unusable PID.

2. Calibrate the PID upon arrival at the site or prior to leaving the office. Record all pertinent information on the calibration record located in the case of each PID and record the calibration on the Field Report form.

3. With a gloved hand, fill a dedicated sealable bag or soil jar approximately half full with soil to be screened. Refer to the site-specific sampling and analysis plan or work plan for appropriate sample container. Manually break up the soil clumps within the bag. Seal the bag, or cover the opening of the soil jar with aluminum foil and screw on a lid. Use a marker to write the sample identifier and depth on the bag or jar lid.

4. Shake the sealed bag or soil jar for approximately 15 seconds, then allow the soil to volatilize for at least 10 minutes in an atmosphere of at least 70°F. On cold days it may be necessary place the bag or soil jar inside a heated room or vehicle.

5. After headspace development, shake the sample for another 15 seconds.

6. Complete organic vapor screening within approximately 20 minutes of sample collection. If using soil jars, remove the lid. Pierce the aluminum foil or plastic bag with the probe of the PID. Record the highest meter response within a time period of two to five seconds.

7. Discard the soil samples on-site and dispose of used bags, soil jars, foil, and lids as trash.

Standard Operating Procedure 215
Collecting Soil Samples for Laboratory Analysis

Purpose

Use this procedure to collect soil or other solid media samples for laboratory analysis. Proper sample collection technique will improve the accuracy of results and will help avoid cross contamination.

Safety Equipment

- Wear nitrile gloves to reduce the incidence of skin contact with potentially contaminated soil and to reduce the risk of cross-contamination.

- Refer to the site-specific Health and Safety Plan for other safety concerns and applicable personal protective equipment.

Required Equipment

- Laboratory sample containers
- Clean cooler(s)
- Temperature blank bottle
- Trip blank for VOC sampling (SOP 327)
- Ice or frozen cold-packs
- Electronic scale (except for VOC by Method 5035/8260)
- Permanent marker
- Sealable bags
- Laboratory chain-of-custody form
- Sampling syringe, such as Terra Core or Easy Draw sampler (required for VOC Method 5035/8260)

Procedure

1. Several days before field work is scheduled to begin, call or email the laboratory or other lab supply source to order sample containers. Be sure to order extra bottles to allow for breakage, extra samples, etc. If you are unsure of the required sample volumes or proper laboratory sample containers for specific analytical parameters, ask that a written description be included with the bottle order which clarifies sample requirements.

2. Before you leave for the field, check the contents of the cooler to be sure that you have the appropriate sample containers and that extra containers are included. Be sure you are aware of sample volume and container requirements.

3. Place ice or a frozen cold pack into each sample cooler before collecting any samples. Double-bag the ice in sealable gallon bags to avoid potential contact of water in the cooler with sample containers.

4. Place a temperature blank into each cooler and under the ice.

5. If some samples may be analyzed for GRO, BETX, or VOCs, include a trip blank in each cooler as described in SOP 327.

6. Before taking a sample, put on a new pair of nitrile gloves.

7. A sample taken for volatile organic analysis is to be taken immediately after the soil is exposed (i.e., directly from the probe sleeve or auger split spoon, excavation side wall, hand auger, etc.). Do not disturb or mix a VOC sample. Never collect a sample from the sealable bag used for organic vapor screening (SOP 212). Samples for DRO are to be collected second and samples for non-VOC or non-DRO analysis are taken last.

8. Prior to GRO (step 9) or DRO (step 10) sample collection the scale must be verified to read a mass of greater than 50 grams within one gram of the expected result. Place a weight of known mass (calibration mass or pre-weighed bottle) on the scale and verify the reading. If the reading is within one gram of the expected result the scale is usable. Record the weight verification on the Field Log. If the reading is more than one gram from the expected weight the scale must be re-calibrated (see SOP 218 if applicable) or a scale that is verified to be correct must be used.

9. Samples collected for GRO, BTEX, or VOCs need to be placed into one pre-weighed glass container and a separate container for determining moisture content. Most labs provide containers including the preservative methanol; however some labs supply a measured volume of methanol in a separate container that must be added to the container after adding the sample. Depending on the laboratory the glass container will have a capacity of either 60 ml or 40 ml. 60 ml containers must be filled with approximately 25 grams of soil (can be between 20 and 35 grams) and 40 ml containers must be filled with approximately 10 grams of soil (can be between 8 and 12 grams).

    a. VOCs by Method 5035/8260 – Use a dedicated sampling syringe to collect the appropriate volume sample and place it directly into the sample container.

    b. GRO, BTEX and VOCs by other methods – Place one soil container on the scale and zero the scale. Carefully add approximately 25 (or 10) grams (depending on laboratory requirements) of soil to the container. <u>During filling, do not mix or aerate the sample.</u> Sample containers with more than 35 (or 12) grams of soil or less than 20 (or 8) grams of soil may be rejected or flagged as outside testing parameters by the laboratory.

    In addition, if there is no non-volatile analysis, fill a plastic vial or plastic whirl-pak bag with soil to be used by the lab to calculate the moisture content of the soil. The soil in the plastic vial or plastic whirl-pak bag need not be weighed.

10. Samples collected for DRO need to be placed in <u>two</u> pre-weighed glass containers with *no methanol* and one plastic vial (if necessary), using the procedure described in step 9, above. If collecting samples for both DRO and VOCs/GRO only one moisture container is required.

11. Samples for non-volatile analysis (i.e., metals, PCBs, pesticides, semi-VOCs, etc.) are to be thoroughly mixed prior to sampling. Place the sample in a resealable plastic bag and shake the bag for at least 10 seconds. Sample containers should be filled, but not packed, with soil from the bag.

12. Before placing the lid back on the sample container, clean the jar threads to assure a tight seal.

13. After collecting soil samples, use a permanent marker to label the sample containers with the project name, sample identifier including depth interval, time, date, and your initials.

14. Place the filled sample containers for each interval in their own sealable bag. Larger, more fragile containers should be placed in bubble wrap to avoid breakage. Place the sample containers and bags into the cooler immediately.

15. When all samples are collected, complete the laboratory chain-of-custody form and arrange for shipment to the contract laboratory (as described by SOP 620 – Chain of Custody Procedures, SOP 630 – Sample Shipping – Peer or Local Carrier, and SOP 640 – Sample Shipping – Overnight Carrier).

Standard Operating Procedure 219
Calibration and Verification of a MiniRAE Lite PID

Purpose

Use this procedure to calibrate and verify that the response of the PID to a known concentration of an organic gas (isobutylene) is correct.

Safety Equipment

- Refer to the site-specific Health and Safety Plan for other safety concerns and applicable personal protective equipment.

Required Equipment

- Rae Systems model MiniRae Lite photoionization detector (PID) equipped with a 10.6 eV lamp
- 100 ppm isobutylene gas cylinder, associated flow regulator, and poly tubing assembly to connect the gas cylinder to the PID
- Photoionization Detector Calibration Record

Procedure

Calibration and verification of the PID is best completed at the job site, however calibration in the office on the day of the work is acceptable.

1. Screw on the probe tip assembly.

2. Push the MODE key (top, middle button) to turn the instrument on. The instrument performs self-tests. When tests are complete, display will read "Ready…Start Sampling?"

3. To start calibration, hold down the MODE key and the N/- key simultaneously for approximately 5 seconds until you see the "Password" screen.

4. No password is needed to calibrate the instrument. To start the calibration press the MODE key. "Calibration" screen is visible with the "Zero Calib" highlighted.

5. Press the Y\+ key to select the "Zero Calib"

6. Be sure the PID is in "zero" / fresh air. Press the Y\+ key to start the zero gas calibration. Zeroing calibration starts a 30-second countdown.

7. When zeroing is completed the screen says "Zeroing is done! Reading = 0.0 ppm". After 5 seconds the screen will return to the Calibration screen and "Span Calib" will be highlighted.

8. Press the Y\+ key to select the "Span Calib".

9. The screen will say "C. Gas = Isobutene. Span = 100 ppm. Please apply gas 1". Attach the calibration gas to the probe with the poly tubing and turn on the gas by pressing in and turning the valve. The calibration process starts immediately and starts a 30 second countdown.

10. When the instrument has completed its automatic calibration the screen displays "Span Gas 1 Complete" and the reading in ppm is displayed. The reading should be close to 100 ppm. After 5 seconds the display returns to the Calibration screen.

11. Close the calibration gas valve and disconnect the tubing to the gas source.

12. Push MODE key to exit out of the calibration and return to the "Ready…Start Sampling?" screen.

13. Press the Y\+ key to start sampling.

14. Calibration Verification. With the gas source attached to the PID with the poly tubing, open the valve on the calibration gas and check to make sure the instrument reading equals the calibration gas concentration (100 ppm). If the zero air or calibration gas reading varies more the 2 ppm from the expected reading, repeat the calibration starting at step 3.

15. Record the date and time of the calibration or verification on the Calibration Record sheet along with the test status.

16. If the calibration does not complete normally, or if the instrument will not produce the expected reading during the calibration verification, note the failure and attempted remedy on the Calibration Record. After attempting a remedy, repeat the calibration from Step #3. If the calibration does not produce the expected result contact the office to obtain instructions for other potential remedies or to obtain a replacement photoionization detector. Do not use a PID that does not calibrate properly.

Standard Operating Procedure 223
Soil Sampling – Sampling Probe

Purpose

Use a sampling probe to collect soil samples for field screening and laboratory analysis.

Safety Equipment

- Steel-toed boots
- Ear plugs (recommended)
- Wear a dedicated pair of nitrile gloves for each sample to reduce the risk of potential cross-contamination between samples and to reduce the incidence of skin contact with the soil.

Required Equipment

- Measuring tape
- Sampling Probe Log forms

Procedure

1. Ensure all field equipment is clean before starting.
2. Determine the appropriate sample location and identification prior to sampling. Use a tape measure to determine the distance (within 1 foot) from site landmarks. Identify the sampling probe location with the letters "SP-" (or other specified identifier) followed by a number unique to that site. Begin with number 1 and sequentially assign numbers for all sampling probes advanced at the site.
3. Advance the probe to the desired sampling depth.
4. A sampling probe is driven into the soil by a hydraulic hammer and ram. The length and inside diameter of the sampler used is determined by the sampling depths or intervals desired. The standard sampler has a length of either two feet (1 inch diameter) or four feet (2 inch diameter).
5. The probe operator will bring the sampler to the surface and remove the inner plastic tube. Record the length (in feet) of sample recovery (length of soil column) in the tube.
6. Cut the tube open lengthwise for sample removal. Use a gloved hand to transfer the soil from the tube directly into a sample container as described in SOP 215 –

Collecting Soil Samples for Laboratory Analysis. If there is a soil change within the tube, a sample should be taken of each stratum and note its location in your notes.

7. Record the sample identifier, depth, and time of sample collection on the sample container. Examples of properly labeled samples are: SP-1 (6") or SP-2 (8-10'). Record pertinent information about the sample location and write a description of the soil samples recovered in Sampling Probe Log form using SOP 211 – Field Soil Classification.

8. Be sure the probe operator decontaminates the sampler between samples to minimize cross contamination using a brush in a detergent and water wash, followed by a clean water rinse. A new plastic tube is used for each sample.

9. Discard gloves and use new gloves for the next sample interval.

Standard Operating Procedure 224
Soil Sampling – Split Spoon Sampling

Purpose

Use a drill rig and split barrel (spoon) sampler to collect soil samples for field screening and laboratory analysis.

Safety Equipment

- Hard hat
- Steel-toed boots
- Ear plugs (recommended)
- Wear a dedicated pair of nitrile gloves for each split spoon sample to reduce the risk of potential cross-contamination between samples and to reduce the incidence of skin contact with the soil.

Required Equipment

- Measuring tape
- Boring Log forms

Procedure

1. Ensure all field equipment is clean before starting.
2. Determine the appropriate location and identification prior to sampling. Use a measuring tape to determine the distance (within 1 foot) from site landmarks. Identify the boring location with the letters "SB-" (or other specified identifier) followed by a number unique to that site. Begin with number 1 and sequentially assign numbers for all soil borings advanced at the site.
3. Advance the boring to the desired sampling depth.
4. Bring the sampler to the surface and open. Record the length (in feet) of sample recovery in the split-spoon, and write a description of the soil samples recovered in the Boring Log form as described in SOP 211 - Soil Classification.
5. Use a gloved hand to transfer the soil from the sampler directly into a sample container as described in SOP 215 – Collecting Soil Samples for Laboratory Analysis. If there is a soil change within the sampler, a sample should be taken of each stratum and note its location in your notes.

6. Record the sample identifier, depth, and time of sample collection on the sample container. Examples of properly identified samples are: SB-1 (6") or SB-2 (6-8'). Record pertinent information about the sample location and sample content in the Boring Log form.

7. Be sure the drill rig operator decontaminates the split barrel sampler between samples to minimize cross contamination using a brush in a detergent and water wash, followed by a clean water rinse.

8. Discard gloves and use new gloves for the next sample interval.

Standard Operating Procedure 311
Water Level Measurement

Purpose

To determine the distance from the top of the well casing to the potentiometric surface of the ground water in a well. This data allows calculation of ground water flow direction or well hydrographs.

Safety equipment

Wear nitrile gloves to reduce the incidence of skin contact with the potentially contaminated water and to reduce the risk of cross contamination.

Required Equipment

- Water level indicator
- Well keys
- 9/16" or 5/8" socket with wrench or triangle tool for at-grade wells
- Distilled water and squirt bottle
- Alconox
- Monitoring Well Sampling Data forms or note pad

Procedure

1. Test the battery of the water level indicator by pressing the black button. You should hear a beep and see a red light.

2. If a well has a recent history of free product or if free product is suspected, use the Product Probe to get water level information, thus avoiding excessive instrument contamination (see SOP 312).

3. Ensure that the water level indicator is clean before starting.

4. Remove the monitoring well covers and j-plugs. Wait at least ten minutes before measuring the water level; this allows the static water level to adjust to isostatic pressure.

5. Determine sampling order prior to starting. Always start with the cleanest well and work progressively towards the most contaminated; this decreases the risk of cross contamination.

6. Turn the water level indicator on before placing it into the well. Use the water level indicator to measure the distance from the top of the well riser to the surface of the water. Read the measured water level to the nearest 0.01 feet and record accurately in the Monitoring Well Sampling Data form or field notes. Because the top of the riser is not always straight, measure to the north edge of the riser or to a measuring mark on the riser, if present. Be especially careful with steel risers not to let the tape run down the edge of the riser. Riser edges can be sharp and can cut through the plastic tape, eventually leading to instrument failure.

7. Before moving to the next well or if all well measurements are complete, decontaminate the probe body and connecting tape as described in SOP 810.

Standard Operating Procedure 319
Filling Water Sample Containers for Laboratory Analysis

Purpose

After a water sample has been obtained by the appropriate method the sample must be poured into the appropriate container by the correct procedure.

Safety Equipment

- Wear clean nitrile gloves to reduce the incidence of skin contact with contaminants and to prevent cross-contamination between sampling locations.

Required Equipment

- Laboratory-supplied sample containers
- Clean cooler(s)
- Ice or frozen ice packs
- Temperature blank bottle
- Trip blanks for VOC sampling (see SOP 327)
- Disposable 0.45 micron water filtration unit with vacuum pump and pre-filters (if necessary)
- Sealable plastic bag or bubble wrap bag

Procedure

1. Several days before field work is scheduled to begin, call or FAX the laboratory or other lab supply source to order sample containers. Be sure to order extra bottles to allow for breakage, extra samples, etc. If you are unsure of the required sample volumes or proper laboratory sample containers for specific analytical parameters, ask that a written description be included with the bottle order which clarifies sample requirements.

2. Before you leave for the field, be sure that you have the appropriate sample containers and that extra containers are included. Be sure you are aware of sample volume and container requirements.

3. Place ice or a frozen cold pack into the sample cooler(s) before collecting any samples. Double-bag the ice in sealable gallon bags to avoid potential contact of water in the cooler with sample containers.

4. Place a temperature blank in each cooler and under the ice.

5. If some samples may be analyzed for GRO, BETX, or VOCs, include a trip blank in each cooler as described in SOP 327.

6. Before taking a sample, put on a new pair of nitrile gloves.

7. Water should be poured directly from the bailer or submersible sampling pump into the sample containers. Collect samples in the following order using the procedures indicated:

    a. Volatile organic compounds (VOCs) and/or gasoline range organics (GRO)/benzene, toluene, ethyl benzene, and total xylenes (BTEX). Collect VOCs and GRO/BTEX samples by tilting the pre-preserved vial to minimize aeration. Do not dilute the preservative by overfilling the vial too much. When properly filled, the water in the vial should display a positive meniscus. Cap the vial. Invert the vial and rap it against your hand to check for bubbles. If bubbles are present, uncap the vial and add only enough water to produce a positive meniscus.

    b. VOC or GRO/BTEX splits or duplicates (optional).

    c. Semivolatile organic compounds (SVOCs) and/or diesel range organics (DRO).

    d. SVOC and/or DRO splits or duplicates (optional).

    e. Metals and other inorganic parameters.

    f. Metals/inorganic splits or duplicates (optional).

8. Samples of dissolved metals must be filtered in the field. If the sample is silty or turbid, place a new pre-filter in a disposable field filtration unit. Carefully pour the sample from the bailer into the top of a new disposable water filtration unit. Attach the hand vacuum pump to the unit. Repeatedly squeeze the hand pump to create a vacuum and draw the water through the filter into the bottom of the unit. After the appropriate volume has been filtered, pour the filtered sample into appropriate sample container(s).

9. Label the sample containers with the location identifier (e.g., MW-2, GP-3 (10-12')). Include the site identifier, time, date, and sampler's initials on the sample label.

10. Put all sample containers from the same sample location into a single plastic bag or bubble bag. Place the sample containers into the cooler immediately. Cover all samples with ice.

11. When all samples are collected, complete the laboratory chain-of-custody form and arrange for shipment to the contract laboratory (as described by SOP 620 – Chain of Custody Procedures, SOP 630 – Sample Shipping – Peer or Local Carrier, and SOP 640 – Sample Shipping – Overnight Carrier).

Standard Operating Procedure 321
Ground Water Sampling from a Sampling Probe

Purpose

To collect a representative ground water sample from a sampling probe for laboratory analysis.

Safety Equipment

- Wear clean nitrile gloves to reduce the incidence of skin contact with contaminants and to prevent cross-contamination between sampling locations.

Equipment

- Sampling Probe Log form

Procedure

There are three major steps to obtaining a ground water sample from a sampling probe:

1. Advance the probe to the appropriate depth and prepare the sampling equipment.
2. Collect the ground water sample.
3. Fill the appropriate sample container(s).

The three steps may be accomplished by a number of methods, depending on the site requirements and sampling probe contractor. The methods are described as follows.

Advance the Probe and Prepare to Sample

The sampling probe operator will advance the probe to the depth you specify and prepare the sampler for ground water collection. The operator may use one of the two following methods:

1. In the case of shallow ground water and a fairly competent soil formation, the operator advances the sampling probe to the desired depth for ground water sampling. All sampling probe equipment is removed from the probe hole. A length of ¾-inch diameter PVC pipe with a five or ten foot screened portion on the bottom is extended

down the open hole. Ground water samples are collected from inside the screened portion of the PVC pipe.

2. In many cases the operator advances a special sampling probe to the desired depth for ground water sampling. The tip of the probe will be an "expendable point" which is snugly attached to the probe. Inside the probe is a 4 foot long stainless steel screen section. The sampling probe is pulled up, releasing the expendable point and exposing the screen. Ground water samples are collected from the inside of the screen.

Collect the Ground Water Sample

The sampling probe operator will then collect the ground water sample from inside the PVC pipe or the sampling probe. One of the three following methods may be used:

1. Plastic tubing with a bottom check valve
2. Plastic tubing attached to a peristaltic pump
3. Small-diameter bailer

The three methods for collecting ground water samples are describe in detail as follows:

Plastic tubing with a bottom check valve

a. A length of new plastic tubing with a clean, bottom-mounted, stainless steel check valve is inserted down the inside of the PVC pipe or sampling probe body.

b. The tubing is manually oscillated up and down, pushing the water sample upward into the tubing as the ball repeatedly lifts and seats. The tubing will fill with water.

c. Once filled, the tubing can either be lifted out of the probe hole and water poured into the sample containers or the sample containers can be filled from the top while the tubing is being pumped. The later process may be used for multiple sample containers. Once the sample containers are filled, the tubing is removed from the PVC pipe or sampling probe body.

Plastic tubing attached to a peristaltic pump

a. A length of new plastic tubing is inserted down the inside of the PVC pipe or sampling probe body. The top end of the tubing is attached to a fitting on the peristaltic pump. (Optionally, the tubing could be attached to a nipple on the lid of a 1-liter container. One end of a second tube is attached to a second fitting on the lid of the container and the other end of the tube is connected to the peristaltic pump.)

b. The pump is activated and water is drawn into the tubing by vacuum. When the tubing is full of water the pump is shut off and the tubing is manually kinked to prevent water from flowing back down the tubing.

c. The tubing is removed from the probe hole and water is poured from the tubing into the sample containers. The peristaltic pump may be reversed to push water out of the tubing.

Small diameter bailer

a. Attach clean rope to a new, small diameter bailer. Slowly lower the bailer into the PVC piping or sampling probe body and allow the bailer to fill with water. Once full, raise the bailer out of the well by grasping a section of cord using each hand alternately. This bailer lift method is used so that bailer rope will not come into contact with the ground or other potentially contaminated surfaces.

b. Water should be poured directly from the bailer into the sample containers.

<u>Fill the Sample Containers</u>

1. Fill sample containers as described in SOP 319 - Filling Water Sample Containers for Laboratory Analysis.

2. Indicate the sample depth and analytical parameters on the Sampling Probe Log form.

Standard Operating Procedure 327
Trip Blanks

Purpose

The purpose of a trip blank is to detect any volatile compounds that may enter sample containers during the process of container transport, sample collection, sample transport or sample analysis. A trip blank is to be placed in all coolers that are to contain samples analyzed for GRO, BTEX, or VOCs.

Safety Equipment

- Nitrile gloves to reduce the incidence of skin contact with sample preservatives.

Required Equipment

- Water – Two 40 ml glass vials with HCl preservative
- Water – Carbon-filtered tap water
- Soil – One 60 ml glass container with methanol preservative

Prior to leaving the office, be sure that appropriate trip blanks are present in each cooler.

Procedure - WATER

1. Preparation of trip blank.
    a. The laboratory will provide VOC trip blanks with every bottle order.
    b. If there is no existing trip blank prepare a trip blank by pouring carbon-filtered water into two HCl-preserved sample vials in the office prior to leaving for the field. Fill the vials by tilting the pre-preserved vial to minimize aeration. Do not dilute the preservative by overfilling the vial too much. When properly filled, the water in the vial should display a positive meniscus. Cap the vial. Invert the vial and rap it against your hand to check for bubbles. If bubbles are present, uncap the vial and add only enough water to produce a positive meniscus.
2. Label the containers using the identifier TB, TB-#, or a blind identifier, as necessary.

3. Place two vials into each cooler to be used to hold the field-collected samples.

4. Preserve and handle trip blanks in the same manner as investigative samples. Trip blanks will be analyzed for GRO, BTEX or VOCs only.

Procedure – SOIL

1. Preparation of trip blank.

    a. The laboratory will provide VOC trip blanks with every bottle order.
    b. If there is no existing trip blank; label a methanol-preserved sample container using the identifier TB, TB-#, or a blind identifier, as necessary.

2. Place a container into each cooler to be used to hold the field-collected samples.

3. Preserve and handle trip blanks in the same manner as investigative samples. Trip blanks will be analyzed for GRO, BTEX or VOCs only.

Standard Operating Procedure 610
Sample Preservation

Purpose

Sample preservation techniques are intended to prevent substantial alteration of the chemical species present in the sample at the moment it was collected.

Required Equipment

- Clean cooler with temperature blank bottle
- Ice or frozen cold packs
- Sample containers with media

Procedure

1. Immediately after media collection, all sample containers will be placed in a clean cooler under ice, to thermally preserve the samples. The cooler must also contain a temperature blank bottle, also kept under the ice.

2. The sample containers will be kept in an environment that is between 0° and 4° Celsius until the laboratory receives the samples. The sample custodian must ensure that some ice remains in the cooler and that excess water from melted ice is drained.

3. In addition, chemical preservatives may be added to individual samples depending on the analytical methods required. In general, the laboratory will supply pre-preserved sample containers for the project and only laboratory-grade preservatives will be used.

Standard Operating Procedure 620
Chain of Custody Procedures

Purpose

The purpose of following chain of custody procedures is to maintain the quality of all samples during collection, transportation, and storage prior to analysis. Chain of custody documentation serves three main purposes:

1. Communication of analytical instructions from Peer to the analytical laboratory.
2. Permanent record of samples provided to the laboratory.
3. Documentation that samples were handled only by authorized personnel and were not available for tampering prior to analysis.

Procedure

Field personnel will complete sample labels and chain of custody forms to be used for tracking samples.

Sample Container Labels

1. Each sample will be assigned a unique identification number that will be affixed to a label on the sample container.
2. Additional information such as sampling location, date and time of collection, and person who collected the sample will also be included on the sample labels.
3. Labeled sample containers, a temperature blank bottle, and ice will be included in each cooler to be shipped to the laboratory.

Chain of Custody Form(s)

If multiple coolers are required to contain all samples from one sampling location, a separate chain of custody form will be prepared for each cooler. At a minimum, the chain of custody form will include the following information:

- Client or project name, or unique identifier, if confidential
- Sample collector's name and signature
- Peer's mailing address and phone number
- Name of project manager or person who will receive data
- Analytical laboratory's name and city

- Description of each sample including
  - Unique identifier and matrix (solid, aqueous, etc.)
  - Date and time of collection
  - Type of analysis required
- Temperature blank listed as a sample
- Dated and timed signatures of persons involved in chain of possession
- Date and method of shipment

Completion of Field Personnel Responsibility

Record all pertinent information about the samples on the field sampling forms or in the field logbook. Upon completion of the chain of custody forms, field personnel will sign the chain of custody forms along with the date and time.

If the field personnel will transfer the custody of the samples to someone other than the laboratory, affix a custody tape to the cooler to prevent the lid from opening. Write the time, date, and initials on the custody tape.

Sample Custody

Each time the custody of a sample or group of samples is transferred, a signature, date, and time will be entered onto the chain of custody form. A sample will be considered to be in custody if it is in any one of the following states:

1. In actual physical possession
2. In view, after being in physical possession
3. In physical possession and locked up so that no one can tamper with it
4. In a secured area such as a locked storage shed or locked vehicle, restricted to authorized personnel

NOTE: While samples are in an individual's custody, they are to ensure that the cooler containing the samples has ice or a frozen cold pack.

Standard Operating Procedure 630
Sample Shipping – Peer or Local Carrier

Purpose

Proper packaging methods and shipment of samples by Peer or a local carrier will:

- Minimize the potential for sample breakage, leakage, or cross contamination.
- Provide a clear record of sample custody from collection to analysis.

Safety Equipment

Wear clean nitrile gloves when handling coolers or sample containers to reduce the incidence of skin contact with contaminants.

Required Equipment

- Coolers or similar shipping containers
- Ice or cold packs
- Temperature blank bottle
- Sample containers with media
- Sealable plastic bags
- Protective wrapping and packaging materials
- Paper towels
- Chain of custody forms

Procedure

1. Verify that each sample container has been labeled with unique sample identification. The sample identification should also correspond to the chain of custody record that will accompany the sample to the laboratory (see SOP 620 Chain of Custody Procedures).

2. Ensure that a temperature blank bottle is in each cooler and included on the chain of custody form.

3. Any dirt on the outside of sample containers should be wiped clean with a paper towel.

4. Optionally, place sample containers inside of sealable plastic bags to reduce the potential for cross contamination or breakage during sample transport. If necessary, protective material should be placed between sample containers to prevent breakage during transport.

5. Reusable cold packs or ice placed in sealable plastic bags should be distributed over the top of the samples. Frozen cold packs or ice must remain in the cooler until the samples reach the laboratory.

6. Place the chain of custody record on top of or inside the cooler.

7. The filled cooler and completed chain of custody form must be delivered to the laboratory before the close of the next business day after sample collection (never longer than 72 hours). One of the following methods will be used:

    a. The sampling technician will personally deliver the samples to the laboratory.

    b. The sampling technician will bring the samples to the Peer office for later pickup by laboratory representative or bonded courier. The technician may either contact the laboratory directly to arrange pickup or transfer custody of the samples to the Peer receptionist. If custody is transferred to the receptionist, the receptionist will contact the laboratory and maintain responsibility for the sample custody, sample condition, and timely pickup.

APPENDIX B

Peer Engineering

BORING LOG

Boring No.: GP-1

Project: Scherer Lumber Property

Contractor/Crew: Bergerson	Date Started: 4/22/10	Date Completed: 4/22/10	
Drilling Method: Geoprobe	Elevation (ft): 0	Total Depth (ft): 12	Depth to Water (ft): ~10

Depth (ft)	Sample Interval	PID (ppm)	Description	Profile	Remarks, Lab Samples, etc.
0			Asphalt		
	--	--	Sand, fine to medium, moist, some gravel, tan		
2					
	2-4'	0.0			GP-1 (2-4') PAHs, Metals
4			Sand, fine to medium, moist, trace ash/slag, trace brick, dark brown		
	4-7'	0.0			
6					
	7-8'	0.0	Sand, fine to medium, moist, trace gravel, red/brown		
8					
	--	--	Sand, fine to medium, moist, trace ash, dark brown		
	9-10'	0.0			Native at 10'
10			Gravelly sand, fine to coarse, wet, brown		
			Sand, fine to medium, poorly sorted, wet, trace gravel, brown		
	10-12'	0.0			
			Clay, soft, moist, gray		
12					
			End of Boring at 12'		
14					

Peer Engineering

BORING LOG

Boring No.: GP-2

Project: Scherer Lumber Property

Contractor/Crew: Bergerson	Date Started: 4/22/10	Date Completed: 4/22/10	
Drilling Method: Geoprobe	Elevation (ft): 0	Total Depth (ft): 12	Depth to Water (ft): ~10.5

Depth (ft)	Sample Interval	PID (ppm)	Description	Profile	Remarks, Lab Samples, etc.
0	--	--	Asphalt		
	0.5-2'	0.0	Sand, fine to medium, moist, brown		
2	2-4'	0.0	Sand, fine to medium, moist, some ash/slag, some brick, black		GP-2 (2-4') PAHs, Metals
4	4-8'	0.0	Sand, fine to medium, moist, tan/brown		
8	8-12'	0.0	Sand, fine to coarse, trace gravel, wet, gray		
12			Clay, soft, moist, gray		
			End of Boring at 12'		
14					

Peer Engineering

BORING LOG

Boring No.: GP-3

Project: Scherer Lumber Property

Contractor/Crew: Bergerson	Date Started: 4/22/10	Date Completed: 4/22/10	
Drilling Method: Geoprobe	Elevation (ft): 0	Total Depth (ft): 12	Depth to Water (ft): ~7

Depth (ft)	Sample Interval	PID (ppm)	Description	Profile	Remarks, Lab Samples, etc.
0	--	--	Asphalt		
2	1-4'	1.5	Sand, fine to medium, with some ash/slag, some wood debris, moist, black		GP-3 (1-4') PAHs, Metals
4	4-5'	1.5			
6	5-8'	0.0	Sand, fine to medium, moist, tan		
8	8-10'	0.0	Sand, fine to coarse, wet, brown		
10	10-12'	0.0	Clay, soft, wet, gray		
12			End of Boring at 12'		
14					

Peer Engineering

BORING LOG

Boring No.: GP-4

Project: Scherer Lumber Property

Contractor/Crew: Bergerson	Date Started: 4/22/10	Date Completed: 4/22/10	
Drilling Method: Geoprobe	Elevation (ft): 0	Total Depth (ft): 12	Depth to Water (ft): ~10

Depth (ft)	Sample Interval	PID (ppm)	Description	Profile	Remarks, Lab Samples, etc.
0	--	--	Asphalt		
			Sand with gravel/Class V		
2	2-4'	0.0	Sand, fine to medium, moist, trace ash/slag, trace wood debris, black/dark brown		GP-4 (2-4') PAHs, Metals
4					
6	4-8'	0.0	Sand, fine to medium, moist, tan		
8					
10	8-12'	0.0	Sand, fine to medium, wet, tan		
			Gravelly sand, fine to coarse, wet, brown		
12			Clay, soft, moist, gray		
			End of Boring at 12'		
14					

Peer Engineering

BORING LOG

Boring No.: GP-5

Project: Scherer Lumber Property

Contractor/Crew: Bergerson	Date Started: 4/22/10	Date Completed: 4/22/10	
Drilling Method: Geoprobe	Elevation (ft): 0	Total Depth (ft): 12	Depth to Water (ft): ~9

Depth (ft)	Sample Interval	PID (ppm)	Description	Profile	Remarks, Lab Samples, etc.
0	--	--	Asphlat/Class V		
2	1-3'	0.0	Sand, fine to medium, moist, some ash/slag, black/dark brown		GP-5 (1-3') PAHs, Metals
4	--	--			
6	4-7'	0.0	Sand, fine to medium, layers of clayey sand, moist, brown		
8	7-8'	0.0	Sand, medium to coarse, trace gravel, moist, brown		
10	8-12'	0.0	Gravelly sand, fine to coarse, wet, brown/red		
12			Clay, soft, moist, gray		
14			End of Boring at 12'		

Peer Engineering

BORING LOG

Boring No.: GP-6

Project: Scherer Lumber Property

Contractor/Crew: Bergerson	Date Started: 4/22/10	Date Completed: 4/22/10	
Drilling Method: Geoprobe	Elevation (ft): 0	Total Depth (ft): 12	Depth to Water (ft): ~8

Depth (ft)	Sample Interval	PID (ppm)	Description	Profile	Remarks, Lab Samples, etc.
0	--	--	Asphalt		
2	1-4'	2	Sand, fine to medium, moist, trace ash/slag, trace wood debris, black/dark brown		GP-6 (1-4') PAHs, Metals
4	4-5'	2.3			
6	5-8'	0.0	Sand, fine to medium, moist, tan		
8					
10	8-12'	0.0	Sand, fine to coarse, with gravel, wet, brown		
12			Clay, soft, moist, gray		
14			End of Boring at 12'		

Peer Engineering

BORING LOG

Boring No.: GP-7

Project: Scherer Lumber Property

Contractor/Crew: Bergerson	Date Started: 4/22/10	Date Completed: 4/22/10	
Drilling Method: Geoprobe	Elevation (ft): 0	Total Depth (ft): 12	Depth to Water (ft): ~8.5

Depth (ft)	Sample Interval	PID (ppm)	Description	Profile	Remarks, Lab Samples, etc.
0	--	--	Asphalt		
2	1-4'	10	Sand, fine to medium, trace gravel, some ash/slag, some wood debris, trace brick, black/dark brown		GP-7 (1-4') VOCs, PAHs, Metals
4			Peat like material, brown		
	4-5.5'	2	Sand, fine to medium, little clay, moist, dark brown		
6	5.5-8'	0.0	Sand, fine to coarse, moist, tan		
8	8-10'	0.0	Sand, medium to coarse, wet, tan		
10	10-12'	0.0	Clay, soft, moist, gray		
12			End of Boring at 12'		
14					

Peer Engineering

BORING LOG

Boring No.: GP-8

Project: Scherer Lumber Property

Contractor/Crew: Bergerson	Date Started: 4/22/10	Date Completed: 4/22/10	
Drilling Method: Geoprobe	Elevation (ft): 0	Total Depth (ft): 12	Depth to Water (ft): ~8

Depth (ft)	Sample Interval	PID (ppm)	Description	Profile	Remarks, Lab Samples, etc.
0			Asphalt		
	0.5-2'	0.0	Sand, fine to medium, moist, trace brick material, trace gravel, dark brown/black		
2					
	2-4'	0.0	Sand, fine to coarse, trace gravel, moist, brown		
4					
	4-8'	0.0	Sand, medium to coarse, moist, tan		
6					
			Sand, little gravel, wet, brown		
8					
	8-12'	0.0	Sand, little gravel, saturated, brown		
10					
12			End of Boring at 12'		
14					

Peer Project Number: 20028	Peer Personnel: BLR	Page 1 of 1

Peer Engineering

BORING LOG

Boring No.: GP-9

Project: Scherer Lumber Property

Contractor/Crew: Bergerson	Date Started: 4/22/10	Date Completed: 4/22/10	
Drilling Method: Geoprobe	Elevation (ft): 0	Total Depth (ft): 12	Depth to Water (ft): ~8.5

Depth (ft)	Sample Interval	PID (ppm)	Description	Profile	Remarks, Lab Samples, etc.
0	--		Asphalt		
	0.5-2'	0.0	Sand, fine to medium, moist, trace ash/slag, trace gravel, dark brown/black		GP-9 (0.5-2') PAHs, Metals
2	2-4'	0.0	Sand, fine to medium, moist, dark brown		
4			Clayey sand, very fine to fine, moist, dark brown		
6	4-8'	0.0	Sand, fine to coarse, moist, little gravel, tan		
8					
10	8-12'	0.0	Gravelly sand, medium to coarse, wet, brown		
12			End of Boring at 12'		
14					

Peer Engineering

BORING LOG

Boring No.: GP-10

Project: Scherer Lumber Property

Contractor/Crew: Bergerson	Date Started: 4/22/10	Date Completed: 4/22/10	
Drilling Method: Geoprobe	Elevation (ft): 0	Total Depth (ft): 12	Depth to Water (ft): ~9

Depth (ft)	Sample Interval	PID (ppm)	Description	Profile	Remarks, Lab Samples, etc.
0	--		Asphalt		
	0.5-2'	0.0	Sand, fine to medium, moist, trace gravel, some ash/slag, black		GP-10 (0.5-2') PAHs, Metals
2	2-4'	0.0	Clayey sand, very fine to fine, moist, dark brown		
4	4-6'	0.0			
6	6-8'	0.0	Sand, medium to coarse, some gravel, moist, red/brown		
8	8-12'	0.0	Sand, medium to coarse, some gravel, wet, red/brown		
10					
12			End of Boring at 12'		
14					

Peer Engineering

BORING LOG

Boring No.: GP-11

Project: Scherer Lumber Property

Contractor/Crew: Bergerson	Date Started: 4/22/10	Date Completed: 4/22/10	
Drilling Method: Geoprobe	Elevation (ft): 0	Total Depth (ft): 12	Depth to Water (ft): ~11

Depth (ft)	Sample Interval	PID (ppm)	Description	Profile	Remarks, Lab Samples, etc.
0	--		Asphalt		
	0.5-2'	0.0	Sand, fine to medium, moist, brown		GP-11 (0.5-2') PAHs, Metals
2	2-4'	0.0	Sand, fine to medium, trace gravel, trace ash/slag, trace brick debris, moist, black		
4	4-8'	0.0	Medium to coarse sand, little fine gravel, layers of clayey sand		
6					
8	8-12'	0.0	Sand, medium to coarse, trace fine gravel, moist, tan		
10					
12			Sand, medium to coarse, trace fine gravel, wet, tan		
			End of Boring at 12'		
14					

Peer Engineering

BORING LOG

Boring No.: GP-12

Project: Scherer Lumber Property

Contractor/Crew: Bergerson	Date Started: 4/23/10	Date Completed: 4/23/10	
Drilling Method: Geoprobe	Elevation (ft): 0	Total Depth (ft): 12	Depth to Water (ft): ~8

Depth (ft)	Sample Interval	PID (ppm)	Description	Profile	Remarks, Lab Samples, etc.
0	--	--	Concrete		
	0.3-1.5'	0.0	Sand, fine to medium,moist, trace gravel, black with ash		
2	1.5-4'	0.0	Sand, fine to medium, moist, brown		
4					
6	4-8'	0.0	Sand, medium to coarse, trace gravel, moist, light brown		
8			Sand, medium to coarse, trace gravel, wet, light brown		
10	8-12'	0.0	Sand, fine to coarse, wet, some gravel, reddish brown		
12			End of Boring at 12'		
14					

Peer Engineering

BORING LOG

Boring No.: GP-13A

Project: Scherer Lumber Property

Contractor/Crew: Bergerson	Date Started: 4/23/10	Date Completed: 4/23/10	
Drilling Method: Geoprobe	Elevation (ft): 0	Total Depth (ft): 12	Depth to Water (ft): 9.7

Depth (ft)	Sample Interval	PID (ppm)	Description	Profile	Remarks, Lab Samples, etc.
0			Asphalt		
	--	--	Class V		
2			Sand, fine to medium, moist, brown		
	2-4'	0.0	Sand, fine to medium, moist, with ash/slag, some metal debris, some wood debris, black		GP-13A (2-4') PAHs, Metals, DRO
4			Wood debris		
	4-5'	0.0	Silty clayey sand, very fine to fine, some ash, moist, black		
6	5-8'	0.0	Sand, fine to medium, moist, orange/brown		
8					
	8-10'	0.0			GP-13A-W 10:00 DRO/VOC
10					
	10-12'	0.0	Sand, fine to coarse, wet, trace gravel, gray/brown		Slight odor 10-12'
					GP-13A (10-12') DRO/VOC
12			End of Boring at 12'		
14					

Peer Project Number: 20028	Peer Personnel: BLR	Page 1 of 1

Peer Engineering

BORING LOG

Boring No.: GP-14

Project: Scherer Lumber Property

Contractor/Crew: Bergerson	Date Started: 4/23/10	Date Completed: 4/23/10	
Drilling Method: Geoprobe	Elevation (ft): 0	Total Depth (ft): 12	Depth to Water (ft): 9.8

Depth (ft)	Sample Interval	PID (ppm)	Description	Profile	Remarks, Lab Samples, etc.
0	--	--	Asphalt Class V		
2	1.5-4'	0.0	Sand, fine to medium, moist, some ash/slag, some wood debris, trace gravel, black		GP-14 (1.5-4') PAHs, Metals, DRO
4			Wood debris		
	4-6'	0.0	Clayey sand, fine to medium, moist, black/dark brown		GP-14 (4-6') PAHs, Metals, DRO
6	6-8'	0.0	Sand, fine to medium, moist, orange/brown		
8	8-10'	0.0			
10	10-12'	4	Sand, fine to coarse, wet, some fine gravel, gray		Slight odor 10-12'
12			End of Boring at 12'		GP-14W 10:45 VOC/DRO
14					

Peer Project Number: 20028	Peer Personnel: BLR	Page 1 of 1

Peer Engineering

BORING LOG

Boring No.: GP-15

Project: Scherer Lumber Property

Contractor/Crew: Bergerson	Date Started: 4/23/10	Date Completed: 4/23/10	
Drilling Method: Geoprobe	Elevation (ft): 0	Total Depth (ft): 12	Depth to Water (ft): ~9

Depth (ft)	Sample Interval	PID (ppm)	Description	Profile	Remarks, Lab Samples, etc.
0	--	--	Asphalt and Class V		
2	0.5-3'	0.0	Sand, fine to medium, moist, with ash/slag, some metal debris, black		GP-15 (0.5-3') PAHs, Metals
			Wood debris		
4	3-4'	0.0	Sand, fine to medium, moist, little ash, dark brown		
6	4-8'	0.0	Sand, medium, moist, orange/brown		
8	--	--			
10	9-12'	0.0	Sand, fine to coarse, some gravel, wet, reddish brown		
12			End of Boring at 12'		
14					

Peer Engineering

BORING LOG

Boring No.: GP-16

Project: Scherer Lumber Property

Contractor/Crew: Bergerson	Date Started: 4/23/10	Date Completed: 4/23/10	
Drilling Method: Geoprobe	Elevation (ft): 0	Total Depth (ft): 12	Depth to Water (ft): ~10

Depth (ft)	Sample Interval	PID (ppm)	Description	Profile	Remarks, Lab Samples, etc.
0	--	--	Asphalt		
2	0.5-4'	0.0	Sand, fine to medium, moist, trace gravel, some ash/slag debris, some wood debris, trace brick/tile debris, black/dark brown		GP-16 (0.5-4') PAHs, Metals Sand seam at 4'
4	4-6.5'	0.0	Clayey sand, very fine to medium,moist, dark brown		
6	6.5-8'	0.0	Sand, medium, trace fine gravel, moist, brown		
8					
10	8-12'	0.0	Sand, medium to coarse, trace fine gravel, wet, brown		
12			End of Boring at 12'		
14					

Peer Engineering

BORING LOG

Boring No.: GP-17

Project: Scherer Lumber Property

Contractor/Crew: Bergerson	Date Started: 4/23/10	Date Completed: 4/23/10	
Drilling Method: Geoprobe	Elevation (ft): 0	Total Depth (ft): 12	Depth to Water (ft): --

Depth (ft)	Sample Interval	PID (ppm)	Description	Profile	Remarks, Lab Samples, etc.
0	--		Asphalt/Class V		
	0.5-2'	0.0	Sand, fine to medium, trace gravel, moist, brown		
2	2-4'	0.0	Sand, fine to medium, moist, with ash/slag, some wood debris, trace brick/cement debris, black/dark brown		GP-17 (2-4') PAHs, Metals
4	--	--			
6	5.5-7'	0.0	Clayey sand, fine to medium, moist, black		Swampy/organic odor GP-17 (5.5-7') PAHs, Metals
	7-8'	0.0	Sand, medium, moist, tan		
8	8-9'	0.0	Silty sand, very fine to medium, wet, black		
10	9-12'	0.0	Sand, medium to coarse, wet, some fine gravel, reddish brown		
12			End of Boring at 12'		
14					

Peer Engineering

BORING LOG

Boring No.: GP-18

Project: Scherer Lumber Property

Contractor/Crew: Bergerson	Date Started: 4/23/10	Date Completed: 4/23/10	
Drilling Method: Geoprobe	Elevation (ft): 0	Total Depth (ft): 12	Depth to Water (ft): ~10

Depth (ft)	Sample Interval	PID (ppm)	Description	Profile	Remarks, Lab Samples, etc.
0	--	--	Concrete		GP-18 (2.5-4') PAHs, Metals 2" of wood debris at 4'
2	0.5-2.5'	0.0	Sand, medium to coarse, moist, trace gravel, brown		
4	2.5-4'	0.0	Sand, medium to coarse, moist, with slag/ash, some metal debris, some wood debris, black		
	4-5'	0.0	Sand, fine to medium, moist, black		
6			Clayey sand, very fine to medium, moist, dark brown		
	5-8'	0.0	Sand, medium, moist, reddish/brown		
8					
10	8-12'	0.0	Sand, medium, wet, trace gravel, tan		
12			End of Boring at 12'		
14					

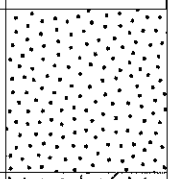
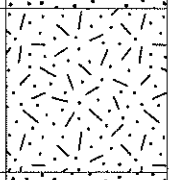
Peer Engineering

BORING LOG

Boring No.: GP-19

Project: Scherer Lumber Property

Contractor/Crew: Bergerson	Date Started: 4/23/10	Date Completed: 4/23/10	
Drilling Method: Geoprobe	Elevation (ft): 0	Total Depth (ft): 12	Depth to Water (ft): ~10

Depth (ft)	Sample Interval	PID (ppm)	Description	Profile	Remarks, Lab Samples, etc.
0	--	--	Asphalt		
	0.5-2'	0.0	Sand, fine to medium, moist, with ash/slag, black		GP-19 (0.5-2') PAHs, Metals
2	2-3.5'	0.0	Clayey sand, very fine to medium, moist, dark brown		
	--	--			
4			Sand, medium, moist, light brown		
6	4-8'	0.0			
8			Sand, medium, moist, trace gravel, light brown		
10	8-12'	0.0	Sand, fine to coarse some gravel, wet, reddish/brown		
12			End of Boring at 12'		
14					

Peer Engineering

BORING LOG

Boring No.: GP-20

Project: Scherer Lumber Property

Contractor/Crew: Bergerson	Date Started: 4/23/10	Date Completed: 4/23/10	
Drilling Method: Geoprobe	Elevation (ft): 0	Total Depth (ft): 12	Depth to Water (ft): --

Depth (ft)	Sample Interval	PID (ppm)	Description	Profile	Remarks, Lab Samples, etc.
0	--	--	Asphalt		
	0.5-2'	0.0	Sand, fine to medium, moist, some ash/slag, some brick, black		GP-20 (0.5-2') PAHs, Metals
2					
	2-4'	0.0	Sand, fine to medium, moist, dark brown		
4					
	4-8'	0.0	Sand, fine to medium, moist, reddish brown		
6					
			Sand, fine to medium, moist, tan		
8					
	8-12'	0.0	Sand, fine to coarse, some fine gravel, wet, reddish brown		
10					
12			End of Boring at 12'		
14					

APPENDIX C

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
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May 07, 2010

Ms. Becca Reason
Peer Engineering
7612 Golden Triangle Drive
Suite N
Eden Prairie, MN 55344

RE: Project: 20028 SCHERER LUMBER
Pace Project No.: 10127568

Dear Ms. Reason:
Enclosed are the analytical results for sample(s) received by the laboratory on April 28, 2010. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Carol Davy for
Diane J. Anderson
diane.anderson@pacelabs.com
Project Manager

Enclosures

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CERTIFICATIONS

Project: 20028 SCHERER LUMBER
Pace Project No.: 10127568

Minnesota Certification IDs

1700 Elm Street SE, Suite 200 Minneapolis, MN 55414
Alaska Certification #: UST-078
Washington Certification #: C754
Tennessee Certification #: 02818
Pennsylvania Certification #: 68-00563
Oregon Certification #: MN200001
North Dakota Certification #: R-036
North Carolina Certification #: 530
New York Certification #: 11647
New Jersey Certification #: MN-002
Montana Certification #: MT CERT0092
Minnesota Certification #: 027-053-137
Michigan DEQ Certification #: 9909
Maine Certification #: 2007029
Louisiana Certification #: LA080009
Louisiana Certification #: 03086
Kansas Certification #: E-10167
Iowa Certification #: 368
Illinois Certification #: 200011
Florida/NELAP Certification #: E87605
California Certification #: 01155CA
Arizona Certification #: AZ-0014
Wisconsin Certification #: 999407970

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SAMPLE SUMMARY

Project: 20028 SCHERER LUMBER
Pace Project No.: 10127568

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10127568001	**B-3 (1-2')**	Solid	04/28/10 00:00	04/28/10 13:00

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SAMPLE ANALYTE COUNT

Project: 20028 SCHERER LUMBER
Pace Project No.: 10127568

Lab ID	Sample ID	Method	Analysts	Analytes Reported
10127568001	**B-3 (1-2')**	WI MOD DRO	KL1	2
		EPA 6010	IP	7
		EPA 7471	TEM	1
		% Moisture	JDL	1
		EPA 8270 by SIM	HRG	18

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ANALYTICAL RESULTS

Project: 20028 SCHERER LUMBER
Pace Project No.: 10127568

Sample: B-3 (1-2') **Lab ID: 10127568001** Collected: 04/28/10 00:00 Received: 04/28/10 13:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO							
Diesel Range Organics	**1130**	mg/kg	170	20	04/30/10 09:03	05/03/10 14:35		
n-Triacontane (S)	0	%	50-150	20	04/30/10 09:03	05/03/10 14:35		S4
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	**8.0**	mg/kg	0.38	1	04/30/10 08:01	04/30/10 14:26	7440-38-2	
Barium	**161**	mg/kg	0.38	1	04/30/10 08:01	04/30/10 14:26	7440-39-3	
Cadmium	**0.74**	mg/kg	0.038	1	04/30/10 08:01	04/30/10 14:26	7440-43-9	
Chromium	**9.8**	mg/kg	0.38	1	04/30/10 08:01	04/30/10 14:26	7440-47-3	
Lead	**92.5**	mg/kg	0.23	1	04/30/10 08:01	04/30/10 14:26	7439-92-1	
Selenium	**3.5**	mg/kg	0.57	1	04/30/10 08:01	04/30/10 14:26	7782-49-2	
Silver	ND	mg/kg	0.38	1	04/30/10 08:01	04/30/10 14:26	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	**0.11**	mg/kg	0.020	1	05/03/10 07:59	05/03/10 13:06	7439-97-6	
Dry Weight	Analytical Method: % Moisture							
Percent Moisture	**8.1**	%	0.10	1		04/29/10 00:00		
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3550							
Acenaphthene	**526**	ug/kg	54.4	5	04/30/10 13:33	05/06/10 01:44	83-32-9	
Acenaphthylene	**222**	ug/kg	54.4	5	04/30/10 13:33	05/06/10 01:44	208-96-8	
Anthracene	ND	ug/kg	54.4	5	04/30/10 13:33	05/06/10 01:44	120-12-7	
Benzo(a)anthracene	**702**	ug/kg	54.4	5	04/30/10 13:33	05/06/10 01:44	56-55-3	
Benzo(a)pyrene	**477**	ug/kg	54.4	5	04/30/10 13:33	05/06/10 01:44	50-32-8	
Benzo(b)fluoranthene	**813**	ug/kg	54.4	5	04/30/10 13:33	05/06/10 01:44	205-99-2	
Benzo(g,h,i)perylene	**271**	ug/kg	54.4	5	04/30/10 13:33	05/06/10 01:44	191-24-2	
Benzo(k)fluoranthene	**217**	ug/kg	54.4	5	04/30/10 13:33	05/06/10 01:44	207-08-9	
Chrysene	**434**	ug/kg	54.4	5	04/30/10 13:33	05/06/10 01:44	218-01-9	
Dibenz(a,h)anthracene	**82.1**	ug/kg	54.4	5	04/30/10 13:33	05/06/10 01:44	53-70-3	
Fluoranthene	**1090**	ug/kg	54.4	5	04/30/10 13:33	05/06/10 01:44	206-44-0	
Fluorene	**579**	ug/kg	54.4	5	04/30/10 13:33	05/06/10 01:44	86-73-7	
Indeno(1,2,3-cd)pyrene	**225**	ug/kg	54.4	5	04/30/10 13:33	05/06/10 01:44	193-39-5	
Naphthalene	**816**	ug/kg	54.4	5	04/30/10 13:33	05/06/10 01:44	91-20-3	
Phenanthrene	**1740**	ug/kg	54.4	5	04/30/10 13:33	05/06/10 01:44	85-01-8	
Pyrene	**1330**	ug/kg	54.4	5	04/30/10 13:33	05/06/10 01:44	129-00-0	
2-Fluorobiphenyl (S)	61	%	48-125	5	04/30/10 13:33	05/06/10 01:44	321-60-8	D3
Terphenyl-d14 (S)	75	%	67-125	5	04/30/10 13:33	05/06/10 01:44	1718-51-0	

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QUALITY CONTROL DATA

Project: 20028 SCHERER LUMBER
Pace Project No.: 10127568

QC Batch: OEXT/12820 Analysis Method: WI MOD DRO
QC Batch Method: WI MOD DRO Analysis Description: WIDRO GCS
Associated Lab Samples: 10127568001

METHOD BLANK: 782591 Matrix: Solid
Associated Lab Samples: 10127568001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Range Organics	mg/kg	ND	5.0	05/03/10 10:53	
n-Triacontane (S)	%	72	50-150	05/03/10 10:53	

LABORATORY CONTROL SAMPLE & LCSD: 782592 782593

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Diesel Range Organics	mg/kg	80	65.8	65.7	82	82	70-120	0	20	
n-Triacontane (S)	%				82	78	50-150			

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QUALITY CONTROL DATA

Project: 20028 SCHERER LUMBER
Pace Project No.: 10127568

QC Batch: MPRP/20227
QC Batch Method: EPA 3050
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Associated Lab Samples: 10127568001

METHOD BLANK: 782016 Matrix: Solid
Associated Lab Samples: 10127568001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/kg	ND	0.42	04/30/10 13:15	
Barium	mg/kg	ND	0.42	04/30/10 13:15	
Cadmium	mg/kg	ND	0.042	04/30/10 13:15	
Chromium	mg/kg	ND	0.42	04/30/10 13:15	
Lead	mg/kg	ND	0.25	04/30/10 13:15	
Selenium	mg/kg	ND	0.62	04/30/10 13:15	
Silver	mg/kg	ND	0.42	04/30/10 13:15	

LABORATORY CONTROL SAMPLE: 782017

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	35.7	35.4	99	80-120	
Barium	mg/kg	35.7	38.1	107	80-120	
Cadmium	mg/kg	35.7	35.7	100	80-120	
Chromium	mg/kg	35.7	37.6	105	80-120	
Lead	mg/kg	35.7	36.4	102	80-120	
Selenium	mg/kg	35.7	33.8	95	80-120	
Silver	mg/kg	17.9	15.8	89	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 782018 782019

Parameter	Units	10127206001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/kg	3.0	53.9	44.9	53.9	49.6	94	104	75-125	8	30	
Barium	mg/kg	57.0	53.9	44.9	109	109	97	115	75-125	1	30	
Cadmium	mg/kg	0.18	53.9	44.9	52.4	45.1	97	100	75-125	15	30	
Chromium	mg/kg	12.1	53.9	44.9	67.8	59.0	103	105	75-125	14	30	
Lead	mg/kg	11.3	53.9	44.9	61.4	72.5	93	137	75-125	17	30	M0
Selenium	mg/kg	3.0	53.9	44.9	52.3	46.7	91	98	75-125	11	30	
Silver	mg/kg	ND	26.9	22.4	22.5	19.2	83	86	75-125	16	30	

MATRIX SPIKE SAMPLE: 782020

Parameter	Units	10127586002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	4.8	43.8	51.7	107	75-125	
Barium	mg/kg	28.7	43.8	95.8	153	75-125	M0
Cadmium	mg/kg	ND	43.8	44.1	101	75-125	
Chromium	mg/kg	5.7	43.8	50.7	103	75-125	

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QUALITY CONTROL DATA

Project: 20028 SCHERER LUMBER
Pace Project No.: 10127568

MATRIX SPIKE SAMPLE: 782020

Parameter	Units	10127586002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	mg/kg	4.4	43.8	46.3	96	75-125	
Selenium	mg/kg	ND	43.8	43.6	99	75-125	
Silver	mg/kg	ND	22	19.2	87	75-125	

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QUALITY CONTROL DATA

Project: 20028 SCHERER LUMBER
Pace Project No.: 10127568

QC Batch: MERP/4411 Analysis Method: EPA 7471
QC Batch Method: EPA 7471 Analysis Description: 7471 Mercury
Associated Lab Samples: 10127568001

METHOD BLANK: 782076 Matrix: Solid
Associated Lab Samples: 10127568001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	ND	0.017	05/03/10 12:43	

LABORATORY CONTROL SAMPLE: 782077

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	.43	0.41	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 782078 782079

Parameter	Units	10127206001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	0.040	.55	.51	0.56	0.53	94	96	80-120	6	20	

MATRIX SPIKE SAMPLE: 782080

Parameter	Units	10127586002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	ND	.49	0.50	99	80-120	

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QUALITY CONTROL DATA

Project: 20028 SCHERER LUMBER
Pace Project No.: 10127568

QC Batch: MPRP/20222
QC Batch Method: % Moisture
Analysis Method: % Moisture
Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 10127568001

SAMPLE DUPLICATE: 781792

Parameter	Units	10127519001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	17.7	17.6	0	30	

SAMPLE DUPLICATE: 781793

Parameter	Units	10127585002 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	13.8	13.9	1	30	

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QUALITY CONTROL DATA

Project: 20028 SCHERER LUMBER
Pace Project No.: 10127568

QC Batch: OEXT/12826
QC Batch Method: EPA 3550
Analysis Method: EPA 8270 by SIM
Analysis Description: 8270 Soild PAH by SIM MSSV
Associated Lab Samples: 10127568001

METHOD BLANK: 782865 Matrix: Solid
Associated Lab Samples: 10127568001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Acenaphthene	ug/kg	ND	10.0	05/04/10 20:57	
Acenaphthylene	ug/kg	ND	10.0	05/04/10 20:57	
Anthracene	ug/kg	ND	10.0	05/04/10 20:57	
Benzo(a)anthracene	ug/kg	ND	10.0	05/04/10 20:57	
Benzo(a)pyrene	ug/kg	ND	10.0	05/04/10 20:57	
Benzo(b)fluoranthene	ug/kg	ND	10.0	05/04/10 20:57	
Benzo(g,h,i)perylene	ug/kg	ND	10.0	05/04/10 20:57	
Benzo(k)fluoranthene	ug/kg	ND	10.0	05/04/10 20:57	
Chrysene	ug/kg	ND	10.0	05/04/10 20:57	
Dibenz(a,h)anthracene	ug/kg	ND	10.0	05/04/10 20:57	
Fluoranthene	ug/kg	ND	10.0	05/04/10 20:57	
Fluorene	ug/kg	ND	10.0	05/04/10 20:57	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	10.0	05/04/10 20:57	
Naphthalene	ug/kg	ND	10.0	05/04/10 20:57	
Phenanthrene	ug/kg	ND	10.0	05/04/10 20:57	
Pyrene	ug/kg	ND	10.0	05/04/10 20:57	
2-Fluorobiphenyl (S)	%	67	48-125	05/04/10 20:57	
Terphenyl-d14 (S)	%	69	67-125	05/04/10 20:57	

LABORATORY CONTROL SAMPLE: 782866

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Acenaphthene	ug/kg	33.3	27.4	82	36-125	
Acenaphthylene	ug/kg	33.3	26.4	79	30-125	
Anthracene	ug/kg	33.3	30.3	91	38-125	
Benzo(a)anthracene	ug/kg	33.3	25.8	77	44-125	
Benzo(a)pyrene	ug/kg	33.3	28.4	85	33-125	
Benzo(b)fluoranthene	ug/kg	33.3	24.0	72	45-127	
Benzo(g,h,i)perylene	ug/kg	33.3	29.6	89	30-130	
Benzo(k)fluoranthene	ug/kg	33.3	33.8	101	42-133	
Chrysene	ug/kg	33.3	32.7	98	48-125	
Dibenz(a,h)anthracene	ug/kg	33.3	29.2	88	30-136	
Fluoranthene	ug/kg	33.3	28.5	86	37-137	
Fluorene	ug/kg	33.3	27.3	82	41-125	
Indeno(1,2,3-cd)pyrene	ug/kg	33.3	28.9	87	30-132	
Naphthalene	ug/kg	33.3	26.4	79	35-125	
Phenanthrene	ug/kg	33.3	28.0	84	47-125	
Pyrene	ug/kg	33.3	25.6	77	48-125	
2-Fluorobiphenyl (S)	%			65	48-125	
Terphenyl-d14 (S)	%			70	67-125	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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(612)607-1700

QUALITY CONTROL DATA

Project: 20028 SCHERER LUMBER
Pace Project No.: 10127568

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 782867 782868

Parameter	Units	10127567001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Acenaphthene	ug/kg	ND	41.4	41.4	31.6	33.5	76	81	30-150	6	30	
Acenaphthylene	ug/kg	ND	41.4	41.4	32.1	33.8	77	81	30-150	5	30	
Anthracene	ug/kg	ND	41.4	41.4	32.5	35.3	78	85	30-150	8	30	
Benzo(a)anthracene	ug/kg	ND	41.4	41.4	38.5	41.7	93	101	30-150	8	30	
Benzo(a)pyrene	ug/kg	ND	41.4	41.4	32.6	37.7	79	91	30-150	15	30	
Benzo(b)fluoranthene	ug/kg	ND	41.4	41.4	40.5	38.0	98	92	30-150	6	30	
Benzo(g,h,i)perylene	ug/kg	ND	41.4	41.4	27.0	27.3	65	66	30-150	1	30	
Benzo(k)fluoranthene	ug/kg	ND	41.4	41.4	30.7	37.3	74	90	30-150	20	30	
Chrysene	ug/kg	ND	41.4	41.4	32.3	35.6	78	86	30-150	10	30	
Dibenz(a,h)anthracene	ug/kg	ND	41.4	41.4	30.8	31.9	74	77	30-150	3	30	
Fluoranthene	ug/kg	ND	41.4	41.4	33.3	41.0	80	99	30-150	21	30	
Fluorene	ug/kg	ND	41.4	41.4	32.5	33.6	78	81	30-150	3	30	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	41.4	41.4	29.4	31.3	71	75	30-150	6	30	
Naphthalene	ug/kg	ND	41.4	41.4	30.8	33.0	74	80	30-150	7	30	
Phenanthrene	ug/kg	ND	41.4	41.4	37.4	40.6	90	98	30-150	8	30	
Pyrene	ug/kg	ND	41.4	41.4	36.9	41.5	89	100	30-150	12	30	
2-Fluorobiphenyl (S)	%						73	80	48-125			
Terphenyl-d14 (S)	%						83	81	67-125			

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QUALIFIERS

Project: 20028 SCHERER LUMBER
Pace Project No.: 10127568

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

U - Indicates the compound was analyzed for, but not detected.

ANALYTE QUALIFIERS

D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
S4	Surrogate recovery not evaluated against control limits due to sample dilution.

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

10127568

Page: 1 of 1

1343685

Section A
Required Client Information:

Company: PEER ENGINEERING
Address: 7615 Golden Triangle Dr.
Eden Prairie, MN 55344
Email To: Becca Reason
Phone: 952-831-3341 Fax: 952-831-4552
Requested Due Date/TAT:

Section B
Required Project Information:

Report To: Becca Reason
Copy To:
Purchase Order No.:
Project Name: Sibert Lumber
Project Number: 20028

Section C
Invoice Information:

Attention: Becca Reason
Company Name: Same
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER _____

Site Location
STATE: _____

14 of 15

Section D
Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Matrix Codes
MATRIX / CODE

Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Tissue	TS
Other	OT

ITEM #	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED: COMPOSITE START DATE	COLLECTED: COMPOSITE START TIME	COLLECTED: COMPOSITE END/GRAB DATE	COLLECTED: COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	DRO	PAH	Metals	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	SL	G	4/28/10					4	4									X	X	X		001
2																						
3																						
4																						
5																						
6																						
7																						
8																						
9																						
10																						
11																						
12																						

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	Bob Rykken - Peer	4/28/10	12:30	Pace	4/28/10	1300	5.8	Y	N	Y

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Bob Rykken
SIGNATURE of SAMPLER: [signature]
DATE Signed (MM/DD/YY): 4-28-10

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Sample Condition Upon Receipt

Pace Analytical

Client Name: Peerless **Project #** L012756

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☑ Client ☐ Commercial ☐ Pace Other _____

Tracking #: _____

Optional: Proj. Due Date: Proj. Name:

Custody Seal on Cooler/Box Present: ☐ yes ☑ no **Seals intact:** ☐ yes ☐ no

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other _____ **Temp Blank:** Yes ____ No ✓

Thermometer Used 80344042 or 179425 **Type of Ice:** (Wet) Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature 5.8 **Biological Tissue is Frozen:** Yes No

Temp should be above freezing to 6°C

Date and initials of person examining contents: 4/28/10 BS

Comments:

Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes ☑No ☐N/A	6.
Rush Turn Around Time Requested:	☐Yes ☑No ☐N/A	7.
Sufficient Volume:	☑Yes ☐No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No ☐N/A	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
Containers Intact:	☑Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC:	☑Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix: SL		
All containers needing acid/base preservation have been checked. Noncompliance are noted in 13.	☐Yes ☐No ☑N/A	13. ☐ HNO3 ☐ H2SO4 ☐ NaOH ☐ HCl
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes ☐No ☑N/A	Samp #
Exceptions: VOA,Coliform, TOC, Oil and Grease, WI-DRO (water)	☐Yes ☑No	Initial when completed / Lot # of added preservative
Samples checked for dechlorination:	☐Yes ☐No ☑N/A	14.
Headespace in VOA Vials (>6mm):	☐Yes ☐No ☑N/A	15.
Trip Blank Present:	☐Yes ☐No ☑N/A	16.
Trip Blank Custody Seals Present	☐Yes ☐No ☑N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution: **Field Data Required?** Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: Deanna Anderson **Date:** 4/29/10

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR.

F-L213Rev.00, 05Aug2009

Pace Analytical Services, Inc.
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(612)607-1700

May 25, 2010

Ms. Becca Reason
Peer Engineering
7612 Golden Triangle Drive
Suite N
Eden Prairie, MN 55344

RE: Project: 20028 Scherer Lumber Revised.
Pace Project No.: 10127340

Dear Ms. Reason:
Enclosed are the analytical results for sample(s) received by the laboratory on April 26, 2010. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

This report has been revised to include TCLP data for samples GP-7 (1-4) and GP-15 (0.5-3).

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Diane J. Anderson

diane.anderson@pacelabs.com
Project Manager

Enclosures

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

CERTIFICATIONS

Project: 20028 Scherer Lumber Revised.
Pace Project No.: 10127340

Minnesota Certification IDs
1700 Elm Street SE, Suite 200 Minneapolis, MN 55414
Alaska Certification #: UST-078
Washington Certification #: C754
Tennessee Certification #: 02818
Pennsylvania Certification #: 68-00563
Oregon Certification #: MN200001
North Dakota Certification #: R-036
North Carolina Certification #: 530
New York Certification #: 11647
New Jersey Certification #: MN-002
Montana Certification #: MT CERT0092
Minnesota Certification #: 027-053-137
Michigan DEQ Certification #: 9909
Maine Certification #: 2007029
Louisiana Certification #: LA080009
Louisiana Certification #: 03086
Kansas Certification #: E-10167
Iowa Certification #: 368
Illinois Certification #: 200011
Florida/NELAP Certification #: E87605
California Certification #: 01155CA
Arizona Certification #: AZ-0014
Wisconsin Certification #: 999407970

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SAMPLE SUMMARY

Project: 20028 Scherer Lumber Revised.
Pace Project No.: 10127340

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10127340001	GP-13A-W	Water	04/23/10 10:00	04/26/10 16:41
10127340002	GP-14W	Water	04/23/10 10:45	04/26/10 16:41
10127340003	GP-1 (2-4')	Solid	04/22/10 00:00	04/26/10 16:41
10127340004	GP-2 (2-4')	Solid	04/22/10 00:00	04/26/10 16:41
10127340005	GP-3 (1-4')	Solid	04/22/10 00:00	04/26/10 16:41
10127340006	GP-4 (2-4')	Solid	04/22/10 00:00	04/26/10 16:41
10127340007	GP-5 (1-3')	Solid	04/22/10 00:00	04/26/10 16:41
10127340008	GP-6 (1-4')	Solid	04/22/10 00:00	04/26/10 16:41
10127340009	GP-7 (1-4')	Solid	04/22/10 00:00	04/26/10 16:41
10127340010	GP-9 (0.5-2')	Solid	04/22/10 00:00	04/26/10 16:41
10127340011	GP-10 (0.5-2')	Solid	04/22/10 00:00	04/26/10 16:41
10127340012	GP-11 (0.5-2')	Solid	04/22/10 00:00	04/26/10 16:41
10127340013	GP-13A (2-4')	Solid	04/23/10 00:00	04/26/10 16:41
10127340014	GP-13A (10-12')	Solid	04/23/10 10:00	04/26/10 16:41
10127340015	GP-14 (1.5-4')	Solid	04/23/10 00:00	04/26/10 16:41
10127340016	GP-14 (4-6')	Solid	04/23/10 00:00	04/26/10 16:41
10127340017	GP-15 (0.5-3')	Solid	04/23/10 00:00	04/26/10 16:41
10127340018	GP-16 (0.5-4')	Solid	04/23/10 00:00	04/26/10 16:41
10127340019	GP-17 (2-4')	Solid	04/23/10 00:00	04/26/10 16:41
10127340020	GP-17 (5.5-7')	Solid	04/23/10 00:00	04/26/10 16:41
10127340021	GP-18 (2.5-4')	Solid	04/23/10 00:00	04/26/10 16:41
10127340022	GP-19 (0.5-2')	Solid	04/23/10 00:00	04/26/10 16:41
10127340023	GP-20 (0.5-2')	Solid	04/23/10 00:00	04/26/10 16:41
10127340024	Trip Blank (water)	Water		04/26/10 16:41
10127340025	Trip Blank (soil)	Solid		04/26/10 16:41

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SAMPLE ANALYTE COUNT

Project: 20028 Scherer Lumber Revised.
Pace Project No.: 10127340

Lab ID	Sample ID	Method	Analysts	Analytes Reported
10127340001	GP-13A-W	WI MOD DRO	KL1	2
		EPA 8260	CNC	73
10127340002	GP-14W	WI MOD DRO	KL1	2
		EPA 8260	CNC	73
10127340003	GP-1 (2-4')	EPA 6010	IP	7
		EPA 7471	TEM	1
		% Moisture	JDL	1
		EPA 8270 by SIM	HRG	18
10127340004	GP-2 (2-4')	EPA 6010	IP	7
		EPA 7471	TEM	1
		% Moisture	JDL	1
		EPA 8270 by SIM	HRG	18
10127340005	GP-3 (1-4')	EPA 6010	IP	7
		EPA 7471	TEM	1
		% Moisture	JDL	1
		EPA 8270 by SIM	HRG	18
10127340006	GP-4 (2-4')	EPA 6010	IP	7
		EPA 7471	TEM	1
		% Moisture	JDL	1
		EPA 8270 by SIM	HRG	18
10127340007	GP-5 (1-3')	EPA 6010	IP	7
		EPA 7471	TEM	1
		% Moisture	JDL	1
		EPA 8270 by SIM	HRG	18
10127340008	GP-6 (1-4')	EPA 6010	IP	7
		EPA 7471	TEM	1
		% Moisture	JDL	1
		EPA 8270 by SIM	HRG	18
10127340009	GP-7 (1-4')	EPA 6010	IP	7
		EPA 6010	IP	1
		EPA 7471	TEM	1
		% Moisture	JDL	1
		EPA 8270 by SIM	HRG	18
		EPA 8260	RTP	71
10127340010	GP-9 (0.5-2')	EPA 6010	IP	7
		EPA 7471	TEM	1
		% Moisture	JDL	1

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SAMPLE ANALYTE COUNT

Project: 20028 Scherer Lumber Revised.
Pace Project No.: 10127340

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		EPA 8270 by SIM	HRG	18
10127340011	GP-10 (0.5-2')	EPA 6010	IP	7
		EPA 7471	TEM	1
		% Moisture	JDL	1
		EPA 8270 by SIM	HRG	18
10127340012	GP-11 (0.5-2')	EPA 6010	IP	7
		EPA 7471	TEM	1
		% Moisture	JDL	1
		EPA 8270 by SIM	HRG	18
10127340013	GP-13A (2-4')	WI MOD DRO	KL1	2
		EPA 6010	IP	7
		EPA 7471	TEM	1
		% Moisture	JDL	1
		EPA 8270 by SIM	HRG	18
10127340014	GP-13A (10-12')	WI MOD DRO	KL1	2
		% Moisture	JDL	1
		EPA 8260	RTP	71
10127340015	GP-14 (1.5-4')	WI MOD DRO	KL1	2
		EPA 6010	IP	7
		EPA 7471	TEM	1
		% Moisture	JDL	1
		EPA 8270 by SIM	HRG	18
10127340016	GP-14 (4-6')	WI MOD DRO	KL1	2
		EPA 6010	IP	7
		EPA 7471	TEM	1
		% Moisture	JDL	1
		EPA 8270 by SIM	HRG	18
10127340017	GP-15 (0.5-3')	EPA 6010	IP	7
		EPA 6010	IP	1
		EPA 7471	TEM	1
		% Moisture	JDL	1
		EPA 8270 by SIM	HRG	18
10127340018	GP-16 (0.5-4')	EPA 6010	IP	7
		EPA 7471	TEM	1
		% Moisture	JDL	1
		EPA 8270 by SIM	HRG	18
10127340019	GP-17 (2-4')	EPA 6010	IP	7

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SAMPLE ANALYTE COUNT

Project: 20028 Scherer Lumber Revised.
Pace Project No.: 10127340

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		EPA 7471	TEM	1
		% Moisture	JDL	1
		EPA 8270 by SIM	HRG	18
10127340020	**GP-17 (5.5-7')**	EPA 6010	IP	7
		EPA 7471	TEM	1
		% Moisture	JDL	1
		EPA 8270 by SIM	HRG	18
10127340021	**GP-18 (2.5-4')**	EPA 6010	IP	7
		EPA 7471	TEM	1
		% Moisture	JDL	1
		EPA 8270 by SIM	HRG	18
10127340022	**GP-19 (0.5-2')**	EPA 6010	IP	7
		EPA 7471	TEM	1
		% Moisture	JDL	1
		EPA 8270 by SIM	HRG	18
10127340023	**GP-20 (0.5-2')**	EPA 6010	IP	7
		EPA 7471	TEM	1
		% Moisture	JDL	1
		EPA 8270 by SIM	HRG	18
10127340024	**Trip Blank (water)**	EPA 8260	DJT	73
10127340025	**Trip Blank (soil)**	EPA 8260	RTP	71

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ANALYTICAL RESULTS

Project: 20028 Scherer Lumber Revised.
Pace Project No.: 10127340

Sample: GP-13A-W **Lab ID: 10127340001** Collected: 04/23/10 10:00 Received: 04/26/10 16:41 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO							
Diesel Range Organics	**0.43**	mg/L	0.11	1	04/27/10 17:24	04/28/10 18:49		P4
n-Triacontane (S)	82	%	50-150	1	04/27/10 17:24	04/28/10 18:49		
8260 VOC	Analytical Method: EPA 8260							
Acetone	ND	ug/L	10.0	1		04/29/10 22:52	67-64-1	L1
Allyl chloride	ND	ug/L	4.0	1		04/29/10 22:52	107-05-1	
Benzene	ND	ug/L	1.0	1		04/29/10 22:52	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		04/29/10 22:52	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		04/29/10 22:52	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		04/29/10 22:52	75-27-4	
Bromoform	ND	ug/L	8.0	1		04/29/10 22:52	75-25-2	
Bromomethane	ND	ug/L	4.0	1		04/29/10 22:52	74-83-9	
2-Butanone (MEK)	ND	ug/L	4.0	1		04/29/10 22:52	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		04/29/10 22:52	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		04/29/10 22:52	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		04/29/10 22:52	98-06-6	
Carbon tetrachloride	ND	ug/L	4.0	1		04/29/10 22:52	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		04/29/10 22:52	108-90-7	
Chloroethane	ND	ug/L	1.0	1		04/29/10 22:52	75-00-3	
Chloroform	ND	ug/L	1.0	1		04/29/10 22:52	67-66-3	
Chloromethane	ND	ug/L	4.0	1		04/29/10 22:52	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		04/29/10 22:52	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		04/29/10 22:52	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		04/29/10 22:52	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		04/29/10 22:52	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		04/29/10 22:52	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		04/29/10 22:52	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		04/29/10 22:52	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		04/29/10 22:52	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		04/29/10 22:52	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		04/29/10 22:52	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		04/29/10 22:52	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		04/29/10 22:52	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		04/29/10 22:52	75-35-4	
cis-1,2-Dichloroethene	**1.4**	ug/L	1.0	1		04/29/10 22:52	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		04/29/10 22:52	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		04/29/10 22:52	75-43-4	
1,2-Dichloropropane	ND	ug/L	1.0	1		04/29/10 22:52	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		04/29/10 22:52	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		04/29/10 22:52	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		04/29/10 22:52	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		04/29/10 22:52	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		04/29/10 22:52	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		04/29/10 22:52	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		04/29/10 22:52	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	4.0	1		04/29/10 22:52	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		04/29/10 22:52	98-82-8	

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ANALYTICAL RESULTS

Project: 20028 Scherer Lumber Revised.
Pace Project No.: 10127340

Sample: GP-13A-W **Lab ID: 10127340001** Collected: 04/23/10 10:00 Received: 04/26/10 16:41 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
p-Isopropyltoluene	ND	ug/L	1.0	1		04/29/10 22:52	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		04/29/10 22:52	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	4.0	1		04/29/10 22:52	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		04/29/10 22:52	1634-04-4	
Naphthalene	ND	ug/L	4.0	1		04/29/10 22:52	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		04/29/10 22:52	103-65-1	
Styrene	ND	ug/L	1.0	1		04/29/10 22:52	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		04/29/10 22:52	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		04/29/10 22:52	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		04/29/10 22:52	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		04/29/10 22:52	109-99-9	
Toluene	ND	ug/L	1.0	1		04/29/10 22:52	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		04/29/10 22:52	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		04/29/10 22:52	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		04/29/10 22:52	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		04/29/10 22:52	79-00-5	
Trichloroethene	**7.5**	ug/L	1.0	1		04/29/10 22:52	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		04/29/10 22:52	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		04/29/10 22:52	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		04/29/10 22:52	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		04/29/10 22:52	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		04/29/10 22:52	108-67-8	
Vinyl chloride	ND	ug/L	0.40	1		04/29/10 22:52	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		04/29/10 22:52	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		04/29/10 22:52	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		04/29/10 22:52	95-47-6	
Dibromofluoromethane (S)	102	%	75-125	1		04/29/10 22:52	1868-53-7	
1,2-Dichloroethane-d4 (S)	110	%	75-125	1		04/29/10 22:52	17060-07-0	
Toluene-d8 (S)	88	%	75-125	1		04/29/10 22:52	2037-26-5	
4-Bromofluorobenzene (S)	96	%	75-125	1		04/29/10 22:52	460-00-4	

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ANALYTICAL RESULTS

Project: 20028 Scherer Lumber Revised.
Pace Project No.: 10127340

Sample: GP-14W **Lab ID: 10127340002** Collected: 04/23/10 10:45 Received: 04/26/10 16:41 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO							
Diesel Range Organics	**1.4**	mg/L	0.10	1	04/27/10 17:24	04/28/10 19:31		P4
n-Triacontane (S)	74	%	50-150	1	04/27/10 17:24	04/28/10 19:31		
8260 VOC	Analytical Method: EPA 8260							
Acetone	ND	ug/L	10.0	1		04/29/10 23:13	67-64-1	L1
Allyl chloride	ND	ug/L	4.0	1		04/29/10 23:13	107-05-1	
Benzene	**2.0**	ug/L	1.0	1		04/29/10 23:13	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		04/29/10 23:13	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		04/29/10 23:13	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		04/29/10 23:13	75-27-4	
Bromoform	ND	ug/L	8.0	1		04/29/10 23:13	75-25-2	
Bromomethane	ND	ug/L	4.0	1		04/29/10 23:13	74-83-9	
2-Butanone (MEK)	ND	ug/L	4.0	1		04/29/10 23:13	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		04/29/10 23:13	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		04/29/10 23:13	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		04/29/10 23:13	98-06-6	
Carbon tetrachloride	ND	ug/L	4.0	1		04/29/10 23:13	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		04/29/10 23:13	108-90-7	
Chloroethane	ND	ug/L	1.0	1		04/29/10 23:13	75-00-3	
Chloroform	ND	ug/L	1.0	1		04/29/10 23:13	67-66-3	
Chloromethane	ND	ug/L	4.0	1		04/29/10 23:13	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		04/29/10 23:13	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		04/29/10 23:13	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		04/29/10 23:13	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		04/29/10 23:13	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		04/29/10 23:13	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		04/29/10 23:13	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		04/29/10 23:13	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		04/29/10 23:13	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		04/29/10 23:13	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		04/29/10 23:13	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		04/29/10 23:13	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		04/29/10 23:13	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		04/29/10 23:13	75-35-4	
cis-1,2-Dichloroethene	**5.6**	ug/L	1.0	1		04/29/10 23:13	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		04/29/10 23:13	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		04/29/10 23:13	75-43-4	
1,2-Dichloropropane	ND	ug/L	1.0	1		04/29/10 23:13	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		04/29/10 23:13	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		04/29/10 23:13	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		04/29/10 23:13	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		04/29/10 23:13	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		04/29/10 23:13	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		04/29/10 23:13	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		04/29/10 23:13	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	4.0	1		04/29/10 23:13	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		04/29/10 23:13	98-82-8	

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ANALYTICAL RESULTS

Project: 20028 Scherer Lumber Revised.
Pace Project No.: 10127340

Sample: GP-14W **Lab ID: 10127340002** Collected: 04/23/10 10:45 Received: 04/26/10 16:41 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
p-Isopropyltoluene	ND	ug/L	1.0	1		04/29/10 23:13	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		04/29/10 23:13	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	4.0	1		04/29/10 23:13	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		04/29/10 23:13	1634-04-4	
Naphthalene	ND	ug/L	4.0	1		04/29/10 23:13	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		04/29/10 23:13	103-65-1	
Styrene	ND	ug/L	1.0	1		04/29/10 23:13	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		04/29/10 23:13	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		04/29/10 23:13	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		04/29/10 23:13	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		04/29/10 23:13	109-99-9	
Toluene	ND	ug/L	1.0	1		04/29/10 23:13	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		04/29/10 23:13	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		04/29/10 23:13	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		04/29/10 23:13	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		04/29/10 23:13	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		04/29/10 23:13	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		04/29/10 23:13	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		04/29/10 23:13	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		04/29/10 23:13	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		04/29/10 23:13	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		04/29/10 23:13	108-67-8	
Vinyl chloride	**2.4**	ug/L	0.40	1		04/29/10 23:13	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		04/29/10 23:13	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		04/29/10 23:13	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		04/29/10 23:13	95-47-6	
Dibromofluoromethane (S)	98	%	75-125	1		04/29/10 23:13	1868-53-7	
1,2-Dichloroethane-d4 (S)	110	%	75-125	1		04/29/10 23:13	17060-07-0	
Toluene-d8 (S)	94	%	75-125	1		04/29/10 23:13	2037-26-5	
4-Bromofluorobenzene (S)	96	%	75-125	1		04/29/10 23:13	460-00-4	

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ANALYTICAL RESULTS

Project: 20028 Scherer Lumber Revised.
Pace Project No.: 10127340

Sample: GP-1 (2-4') **Lab ID: 10127340003** Collected: 04/22/10 00:00 Received: 04/26/10 16:41 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	**6.4**	mg/kg	0.50	1	04/27/10 15:28	04/28/10 18:19	7440-38-2	
Barium	**65.1**	mg/kg	0.50	1	04/27/10 15:28	04/28/10 18:19	7440-39-3	M0
Cadmium	**0.86**	mg/kg	0.050	1	04/27/10 15:28	04/28/10 18:19	7440-43-9	
Chromium	**8.4**	mg/kg	0.50	1	04/27/10 15:28	04/28/10 18:19	7440-47-3	
Lead	**28.9**	mg/kg	0.30	1	04/27/10 15:28	04/28/10 18:19	7439-92-1	
Selenium	**1.4**	mg/kg	0.76	1	04/27/10 15:28	04/28/10 18:19	7782-49-2	
Silver	ND	mg/kg	0.50	1	04/27/10 15:28	04/28/10 18:19	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	**0.050**	mg/kg	0.021	1	04/28/10 06:59	04/29/10 09:53	7439-97-6	
Dry Weight	Analytical Method: % Moisture							
Percent Moisture	**9.8**	%	0.10	1		04/27/10 00:00		
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3550							
Acenaphthene	ND	ug/kg	55.4	5	04/27/10 11:12	05/02/10 14:16	83-32-9	
Acenaphthylene	**121**	ug/kg	55.4	5	04/27/10 11:12	05/02/10 14:16	208-96-8	
Anthracene	ND	ug/kg	55.4	5	04/27/10 11:12	05/02/10 14:16	120-12-7	
Benzo(a)anthracene	**573**	ug/kg	55.4	5	04/27/10 11:12	05/02/10 14:16	56-55-3	
Benzo(a)pyrene	**590**	ug/kg	55.4	5	04/27/10 11:12	05/02/10 14:16	50-32-8	
Benzo(b)fluoranthene	**763**	ug/kg	55.4	5	04/27/10 11:12	05/02/10 14:16	205-99-2	
Benzo(g,h,i)perylene	**273**	ug/kg	55.4	5	04/27/10 11:12	05/02/10 14:16	191-24-2	
Benzo(k)fluoranthene	**286**	ug/kg	55.4	5	04/27/10 11:12	05/02/10 14:16	207-08-9	
Chrysene	**461**	ug/kg	55.4	5	04/27/10 11:12	05/02/10 14:16	218-01-9	
Dibenz(a,h)anthracene	**103**	ug/kg	55.4	5	04/27/10 11:12	05/02/10 14:16	53-70-3	
Fluoranthene	**456**	ug/kg	55.4	5	04/27/10 11:12	05/02/10 14:16	206-44-0	
Fluorene	ND	ug/kg	55.4	5	04/27/10 11:12	05/02/10 14:16	86-73-7	
Indeno(1,2,3-cd)pyrene	**260**	ug/kg	55.4	5	04/27/10 11:12	05/02/10 14:16	193-39-5	
Naphthalene	ND	ug/kg	55.4	5	04/27/10 11:12	05/02/10 14:16	91-20-3	
Phenanthrene	**184**	ug/kg	55.4	5	04/27/10 11:12	05/02/10 14:16	85-01-8	
Pyrene	**622**	ug/kg	55.4	5	04/27/10 11:12	05/02/10 14:16	129-00-0	
2-Fluorobiphenyl (S)	59	%	48-125	5	04/27/10 11:12	05/02/10 14:16	321-60-8	D3
Terphenyl-d14 (S)	64	%	67-125	5	04/27/10 11:12	05/02/10 14:16	1718-51-0	S5

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ANALYTICAL RESULTS

Project: 20028 Scherer Lumber Revised.
Pace Project No.: 10127340

Sample: GP-2 (2-4') **Lab ID: 10127340004** Collected: 04/22/10 00:00 Received: 04/26/10 16:41 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	**15.3**	mg/kg	0.48	1	04/27/10 15:28	04/28/10 18:38	7440-38-2	
Barium	**109**	mg/kg	0.48	1	04/27/10 15:28	04/28/10 18:38	7440-39-3	
Cadmium	**2.7**	mg/kg	0.048	1	04/27/10 15:28	04/28/10 18:38	7440-43-9	
Chromium	**12.6**	mg/kg	0.48	1	04/27/10 15:28	04/28/10 18:38	7440-47-3	
Lead	**155**	mg/kg	0.29	1	04/27/10 15:28	04/28/10 18:38	7439-92-1	
Selenium	**2.1**	mg/kg	0.72	1	04/27/10 15:28	04/28/10 18:38	7782-49-2	
Silver	ND	mg/kg	0.48	1	04/27/10 15:28	04/28/10 18:38	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	**0.26**	mg/kg	0.022	1	04/28/10 06:59	04/29/10 10:00	7439-97-6	
Dry Weight	Analytical Method: % Moisture							
Percent Moisture	**13.5**	%	0.10	1		04/27/10 00:00		
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3550							
Acenaphthene	ND	ug/kg	116	10	04/27/10 11:12	05/02/10 16:10	83-32-9	
Acenaphthylene	ND	ug/kg	116	10	04/27/10 11:12	05/02/10 16:10	208-96-8	
Anthracene	**321**	ug/kg	116	10	04/27/10 11:12	05/02/10 16:10	120-12-7	
Benzo(a)anthracene	**769**	ug/kg	116	10	04/27/10 11:12	05/02/10 16:10	56-55-3	
Benzo(a)pyrene	**684**	ug/kg	116	10	04/27/10 11:12	05/02/10 16:10	50-32-8	
Benzo(b)fluoranthene	**1020**	ug/kg	116	10	04/27/10 11:12	05/02/10 16:10	205-99-2	
Benzo(g,h,i)perylene	**246**	ug/kg	116	10	04/27/10 11:12	05/02/10 16:10	191-24-2	
Benzo(k)fluoranthene	**436**	ug/kg	116	10	04/27/10 11:12	05/02/10 16:10	207-08-9	
Chrysene	**616**	ug/kg	116	10	04/27/10 11:12	05/02/10 16:10	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	116	10	04/27/10 11:12	05/02/10 16:10	53-70-3	
Fluoranthene	**1450**	ug/kg	116	10	04/27/10 11:12	05/02/10 16:10	206-44-0	
Fluorene	ND	ug/kg	116	10	04/27/10 11:12	05/02/10 16:10	86-73-7	
Indeno(1,2,3-cd)pyrene	**223**	ug/kg	116	10	04/27/10 11:12	05/02/10 16:10	193-39-5	
Naphthalene	**135**	ug/kg	116	10	04/27/10 11:12	05/02/10 16:10	91-20-3	
Phenanthrene	**1140**	ug/kg	116	10	04/27/10 11:12	05/02/10 16:10	85-01-8	
Pyrene	**1230**	ug/kg	116	10	04/27/10 11:12	05/02/10 16:10	129-00-0	
2-Fluorobiphenyl (S)	52	%	48-125	10	04/27/10 11:12	05/02/10 16:10	321-60-8	D3
Terphenyl-d14 (S)	56	%	67-125	10	04/27/10 11:12	05/02/10 16:10	1718-51-0	S5

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ANALYTICAL RESULTS

Project: 20028 Scherer Lumber Revised.
Pace Project No.: 10127340

Sample: GP-3 (1-4') **Lab ID: 10127340005** Collected: 04/22/10 00:00 Received: 04/26/10 16:41 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	**5.1**	mg/kg	0.71	1	04/27/10 15:28	04/28/10 18:51	7440-38-2	
Barium	**120**	mg/kg	0.71	1	04/27/10 15:28	04/28/10 18:51	7440-39-3	
Cadmium	**17.8**	mg/kg	0.071	1	04/27/10 15:28	04/28/10 18:51	7440-43-9	
Chromium	**8.9**	mg/kg	0.71	1	04/27/10 15:28	04/28/10 18:51	7440-47-3	
Lead	**34.8**	mg/kg	0.42	1	04/27/10 15:28	04/28/10 18:51	7439-92-1	
Selenium	**1.1**	mg/kg	1.1	1	04/27/10 15:28	04/28/10 18:51	7782-49-2	
Silver	ND	mg/kg	0.71	1	04/27/10 15:28	04/28/10 18:51	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	**0.070**	mg/kg	0.027	1	04/28/10 06:59	04/29/10 10:01	7439-97-6	
Dry Weight	Analytical Method: % Moisture							
Percent Moisture	**32.5**	%	0.10	1		04/27/10 00:00		
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3550							
Acenaphthene	**1480**	ug/kg	74.0	5	04/27/10 15:56	05/04/10 08:12	83-32-9	M0,R1
Acenaphthylene	**195**	ug/kg	74.0	5	04/27/10 15:56	05/04/10 08:12	208-96-8	M0,R1
Anthracene	**4330**	ug/kg	740	50	04/27/10 15:56	05/04/10 23:48	120-12-7	M0,R1
Benzo(a)anthracene	**10400**	ug/kg	740	50	04/27/10 15:56	05/04/10 23:48	56-55-3	M0,R1
Benzo(a)pyrene	**7330**	ug/kg	740	50	04/27/10 15:56	05/04/10 23:48	50-32-8	M0,R1
Benzo(b)fluoranthene	**10100**	ug/kg	740	50	04/27/10 15:56	05/04/10 23:48	205-99-2	M0,R1
Benzo(g,h,i)perylene	**5170**	ug/kg	740	50	04/27/10 15:56	05/04/10 23:48	191-24-2	M0,R1
Benzo(k)fluoranthene	**3390**	ug/kg	740	50	04/27/10 15:56	05/04/10 23:48	207-08-9	M0,R1
Chrysene	**7580**	ug/kg	740	50	04/27/10 15:56	05/04/10 23:48	218-01-9	M0,R1
Dibenz(a,h)anthracene	**1580**	ug/kg	74.0	5	04/27/10 15:56	05/04/10 08:12	53-70-3	M0,R1
Fluoranthene	**18500**	ug/kg	740	50	04/27/10 15:56	05/04/10 23:48	206-44-0	M0
Fluorene	**1270**	ug/kg	74.0	5	04/27/10 15:56	05/04/10 08:12	86-73-7	M0,R1
Indeno(1,2,3-cd)pyrene	**4050**	ug/kg	740	50	04/27/10 15:56	05/04/10 23:48	193-39-5	M0,R1
Naphthalene	**208**	ug/kg	74.0	5	04/27/10 15:56	05/04/10 08:12	91-20-3	M0,R1
Phenanthrene	**15500**	ug/kg	740	50	04/27/10 15:56	05/04/10 23:48	85-01-8	M0,R1
Pyrene	**17300**	ug/kg	740	50	04/27/10 15:56	05/04/10 23:48	129-00-0	M0
2-Fluorobiphenyl (S)	74	%	48-125	5	04/27/10 15:56	05/04/10 08:12	321-60-8	D3
Terphenyl-d14 (S)	56	%	67-125	5	04/27/10 15:56	05/04/10 08:12	1718-51-0	S5

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ANALYTICAL RESULTS

Project: 20028 Scherer Lumber Revised.
Pace Project No.: 10127340

Sample: GP-4 (2-4') **Lab ID: 10127340006** Collected: 04/22/10 00:00 Received: 04/26/10 16:41 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	**11.6**	mg/kg	0.51	1	04/27/10 15:28	04/28/10 18:57	7440-38-2	
Barium	**129**	mg/kg	0.51	1	04/27/10 15:28	04/28/10 18:57	7440-39-3	
Cadmium	**2.5**	mg/kg	0.051	1	04/27/10 15:28	04/28/10 18:57	7440-43-9	
Chromium	**14.0**	mg/kg	0.51	1	04/27/10 15:28	04/28/10 18:57	7440-47-3	
Lead	**36.1**	mg/kg	0.30	1	04/27/10 15:28	04/28/10 18:57	7439-92-1	
Selenium	**2.2**	mg/kg	0.76	1	04/27/10 15:28	04/28/10 18:57	7782-49-2	
Silver	ND	mg/kg	0.51	1	04/27/10 15:28	04/28/10 18:57	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	**0.11**	mg/kg	0.023	1	04/28/10 06:59	04/29/10 10:02	7439-97-6	
Dry Weight	Analytical Method: % Moisture							
Percent Moisture	**21.8**	%	0.10	1		04/27/10 00:00		
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3550							
Acenaphthene	ND	ug/kg	64.0	5	04/27/10 15:56	05/04/10 09:08	83-32-9	
Acenaphthylene	ND	ug/kg	64.0	5	04/27/10 15:56	05/04/10 09:08	208-96-8	
Anthracene	ND	ug/kg	64.0	5	04/27/10 15:56	05/04/10 09:08	120-12-7	
Benzo(a)anthracene	**266**	ug/kg	64.0	5	04/27/10 15:56	05/04/10 09:08	56-55-3	
Benzo(a)pyrene	**238**	ug/kg	64.0	5	04/27/10 15:56	05/04/10 09:08	50-32-8	
Benzo(b)fluoranthene	**376**	ug/kg	64.0	5	04/27/10 15:56	05/04/10 09:08	205-99-2	
Benzo(g,h,i)perylene	**212**	ug/kg	64.0	5	04/27/10 15:56	05/04/10 09:08	191-24-2	
Benzo(k)fluoranthene	**146**	ug/kg	64.0	5	04/27/10 15:56	05/04/10 09:08	207-08-9	
Chrysene	**214**	ug/kg	64.0	5	04/27/10 15:56	05/04/10 09:08	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	64.0	5	04/27/10 15:56	05/04/10 09:08	53-70-3	
Fluoranthene	**371**	ug/kg	64.0	5	04/27/10 15:56	05/04/10 09:08	206-44-0	
Fluorene	ND	ug/kg	64.0	5	04/27/10 15:56	05/04/10 09:08	86-73-7	
Indeno(1,2,3-cd)pyrene	**175**	ug/kg	64.0	5	04/27/10 15:56	05/04/10 09:08	193-39-5	
Naphthalene	ND	ug/kg	64.0	5	04/27/10 15:56	05/04/10 09:08	91-20-3	
Phenanthrene	**310**	ug/kg	64.0	5	04/27/10 15:56	05/04/10 09:08	85-01-8	
Pyrene	**320**	ug/kg	64.0	5	04/27/10 15:56	05/04/10 09:08	129-00-0	
2-Fluorobiphenyl (S)	66	%	48-125	5	04/27/10 15:56	05/04/10 09:08	321-60-8	D3
Terphenyl-d14 (S)	70	%	67-125	5	04/27/10 15:56	05/04/10 09:08	1718-51-0	

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ANALYTICAL RESULTS

Project: 20028 Scherer Lumber Revised.
Pace Project No.: 10127340

Sample: GP-5 (1-3') **Lab ID: 10127340007** Collected: 04/22/10 00:00 Received: 04/26/10 16:41 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	**7.7**	mg/kg	0.47	1	04/27/10 15:28	04/28/10 19:11	7440-38-2	
Barium	**74.6**	mg/kg	0.47	1	04/27/10 15:28	04/28/10 19:11	7440-39-3	
Cadmium	**0.86**	mg/kg	0.047	1	04/27/10 15:28	04/28/10 19:11	7440-43-9	
Chromium	**9.3**	mg/kg	0.47	1	04/27/10 15:28	04/28/10 19:11	7440-47-3	
Lead	**97.3**	mg/kg	0.28	1	04/27/10 15:28	04/28/10 19:11	7439-92-1	
Selenium	**1.5**	mg/kg	0.71	1	04/27/10 15:28	04/28/10 19:11	7782-49-2	
Silver	ND	mg/kg	0.47	1	04/27/10 15:28	04/28/10 19:11	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	**0.063**	mg/kg	0.021	1	04/28/10 06:59	04/29/10 10:04	7439-97-6	
Dry Weight	Analytical Method: % Moisture							
Percent Moisture	**11.3**	%	0.10	1		04/27/10 00:00		
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3550							
Acenaphthene	ND	ug/kg	11.3	1	04/27/10 15:56	05/04/10 07:15	83-32-9	
Acenaphthylene	**11.5**	ug/kg	11.3	1	04/27/10 15:56	05/04/10 07:15	208-96-8	
Anthracene	**25.0**	ug/kg	11.3	1	04/27/10 15:56	05/04/10 07:15	120-12-7	
Benzo(a)anthracene	**73.3**	ug/kg	11.3	1	04/27/10 15:56	05/04/10 07:15	56-55-3	
Benzo(a)pyrene	**68.2**	ug/kg	11.3	1	04/27/10 15:56	05/04/10 07:15	50-32-8	
Benzo(b)fluoranthene	**112**	ug/kg	11.3	1	04/27/10 15:56	05/04/10 07:15	205-99-2	
Benzo(g,h,i)perylene	**52.4**	ug/kg	11.3	1	04/27/10 15:56	05/04/10 07:15	191-24-2	
Benzo(k)fluoranthene	**41.3**	ug/kg	11.3	1	04/27/10 15:56	05/04/10 07:15	207-08-9	
Chrysene	**72.4**	ug/kg	11.3	1	04/27/10 15:56	05/04/10 07:15	218-01-9	
Dibenz(a,h)anthracene	**14.9**	ug/kg	11.3	1	04/27/10 15:56	05/04/10 07:15	53-70-3	
Fluoranthene	**129**	ug/kg	11.3	1	04/27/10 15:56	05/04/10 07:15	206-44-0	
Fluorene	ND	ug/kg	11.3	1	04/27/10 15:56	05/04/10 07:15	86-73-7	
Indeno(1,2,3-cd)pyrene	**46.0**	ug/kg	11.3	1	04/27/10 15:56	05/04/10 07:15	193-39-5	
Naphthalene	ND	ug/kg	11.3	1	04/27/10 15:56	05/04/10 07:15	91-20-3	
Phenanthrene	**127**	ug/kg	11.3	1	04/27/10 15:56	05/04/10 07:15	85-01-8	
Pyrene	**81.3**	ug/kg	11.3	1	04/27/10 15:56	05/04/10 07:15	129-00-0	
2-Fluorobiphenyl (S)	71	%	48-125	1	04/27/10 15:56	05/04/10 07:15	321-60-8	
Terphenyl-d14 (S)	58	%	67-125	1	04/27/10 15:56	05/04/10 07:15	1718-51-0	S5

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ANALYTICAL RESULTS

Project: 20028 Scherer Lumber Revised.
Pace Project No.: 10127340

Sample: GP-6 (1-4') **Lab ID: 10127340008** Collected: 04/22/10 00:00 Received: 04/26/10 16:41 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	**7.7**	mg/kg	0.44	1	04/27/10 15:28	04/28/10 19:18	7440-38-2	
Barium	**174**	mg/kg	0.44	1	04/27/10 15:28	04/28/10 19:18	7440-39-3	
Cadmium	**0.75**	mg/kg	0.044	1	04/27/10 15:28	04/28/10 19:18	7440-43-9	
Chromium	**17.2**	mg/kg	0.44	1	04/27/10 15:28	04/28/10 19:18	7440-47-3	
Lead	**119**	mg/kg	0.26	1	04/27/10 15:28	04/28/10 19:18	7439-92-1	
Selenium	**1.3**	mg/kg	0.65	1	04/27/10 15:28	04/28/10 19:18	7782-49-2	
Silver	ND	mg/kg	0.44	1	04/27/10 15:28	04/28/10 19:18	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	**0.19**	mg/kg	0.022	1	04/28/10 06:59	04/29/10 10:05	7439-97-6	
Dry Weight	Analytical Method: % Moisture							
Percent Moisture	**16.3**	%	0.10	1		04/27/10 00:00		
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3550							
Acenaphthene	**111**	ug/kg	59.7	5	04/27/10 15:56	05/04/10 09:27	83-32-9	
Acenaphthylene	**97.7**	ug/kg	59.7	5	04/27/10 15:56	05/04/10 09:27	208-96-8	
Anthracene	**341**	ug/kg	59.7	5	04/27/10 15:56	05/04/10 09:27	120-12-7	
Benzo(a)anthracene	**1110**	ug/kg	59.7	5	04/27/10 15:56	05/04/10 09:27	56-55-3	
Benzo(a)pyrene	**875**	ug/kg	59.7	5	04/27/10 15:56	05/04/10 09:27	50-32-8	
Benzo(b)fluoranthene	**1620**	ug/kg	59.7	5	04/27/10 15:56	05/04/10 09:27	205-99-2	
Benzo(g,h,i)perylene	**450**	ug/kg	59.7	5	04/27/10 15:56	05/04/10 09:27	191-24-2	
Benzo(k)fluoranthene	**460**	ug/kg	59.7	5	04/27/10 15:56	05/04/10 09:27	207-08-9	
Chrysene	**989**	ug/kg	59.7	5	04/27/10 15:56	05/04/10 09:27	218-01-9	
Dibenz(a,h)anthracene	**147**	ug/kg	59.7	5	04/27/10 15:56	05/04/10 09:27	53-70-3	
Fluoranthene	**1810**	ug/kg	299	25	04/27/10 15:56	05/05/10 00:06	206-44-0	
Fluorene	**122**	ug/kg	59.7	5	04/27/10 15:56	05/04/10 09:27	86-73-7	
Indeno(1,2,3-cd)pyrene	**440**	ug/kg	59.7	5	04/27/10 15:56	05/04/10 09:27	193-39-5	
Naphthalene	**103**	ug/kg	59.7	5	04/27/10 15:56	05/04/10 09:27	91-20-3	
Phenanthrene	**1620**	ug/kg	59.7	5	04/27/10 15:56	05/04/10 09:27	85-01-8	
Pyrene	**1260**	ug/kg	59.7	5	04/27/10 15:56	05/04/10 09:27	129-00-0	
2-Fluorobiphenyl (S)	71	%	48-125	5	04/27/10 15:56	05/04/10 09:27	321-60-8	D3
Terphenyl-d14 (S)	56	%	67-125	5	04/27/10 15:56	05/04/10 09:27	1718-51-0	S5

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ANALYTICAL RESULTS

Project: 20028 Scherer Lumber Revised.
Pace Project No.: 10127340

Sample: GP-7 (1-4') **Lab ID: 10127340009** Collected: 04/22/10 00:00 Received: 04/26/10 16:41 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	**27.6**	mg/kg	0.58	1	04/27/10 15:28	04/28/10 19:24	7440-38-2	
Barium	**304**	mg/kg	0.58	1	04/27/10 15:28	04/28/10 19:24	7440-39-3	
Cadmium	**3.0**	mg/kg	0.058	1	04/27/10 15:28	04/28/10 19:24	7440-43-9	
Chromium	**17.0**	mg/kg	0.58	1	04/27/10 15:28	04/28/10 19:24	7440-47-3	
Lead	**2120**	mg/kg	0.35	1	04/27/10 15:28	04/28/10 19:24	7439-92-1	
Selenium	**4.7**	mg/kg	0.86	1	04/27/10 15:28	04/28/10 19:24	7782-49-2	
Silver	ND	mg/kg	0.58	1	04/27/10 15:28	04/28/10 19:24	7440-22-4	
6010 MET ICP, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
	Leachate Method/Date: EPA 1311; 05/11/10 16:30							
Lead	**0.43**	mg/L	0.015	5	05/11/10 19:52	05/12/10 11:20	7439-92-1	M0
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	**0.69**	mg/kg	0.025	1	04/28/10 06:59	04/29/10 10:09	7439-97-6	
Dry Weight	Analytical Method: % Moisture							
Percent Moisture	**25.9**	%	0.10	1		04/27/10 00:00		
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3550							
Acenaphthene	**233**	ug/kg	135	10	04/27/10 15:56	05/04/10 13:15	83-32-9	
Acenaphthylene	ND	ug/kg	135	10	04/27/10 15:56	05/04/10 13:15	208-96-8	
Anthracene	**983**	ug/kg	135	10	04/27/10 15:56	05/04/10 13:15	120-12-7	
Benzo(a)anthracene	**4330**	ug/kg	135	10	04/27/10 15:56	05/04/10 13:15	56-55-3	
Benzo(a)pyrene	**3350**	ug/kg	135	10	04/27/10 15:56	05/04/10 13:15	50-32-8	
Benzo(b)fluoranthene	**4280**	ug/kg	135	10	04/27/10 15:56	05/04/10 13:15	205-99-2	
Benzo(g,h,i)perylene	**1080**	ug/kg	135	10	04/27/10 15:56	05/04/10 13:15	191-24-2	
Benzo(k)fluoranthene	**1430**	ug/kg	135	10	04/27/10 15:56	05/04/10 13:15	207-08-9	
Chrysene	**3180**	ug/kg	135	10	04/27/10 15:56	05/04/10 13:15	218-01-9	
Dibenz(a,h)anthracene	**374**	ug/kg	135	10	04/27/10 15:56	05/04/10 13:15	53-70-3	
Fluoranthene	**6200**	ug/kg	675	50	04/27/10 15:56	05/05/10 01:03	206-44-0	
Fluorene	**219**	ug/kg	135	10	04/27/10 15:56	05/04/10 13:15	86-73-7	
Indeno(1,2,3-cd)pyrene	**991**	ug/kg	135	10	04/27/10 15:56	05/04/10 13:15	193-39-5	
Naphthalene	**200**	ug/kg	135	10	04/27/10 15:56	05/04/10 13:15	91-20-3	
Phenanthrene	**3060**	ug/kg	135	10	04/27/10 15:56	05/04/10 13:15	85-01-8	
Pyrene	**7960**	ug/kg	675	50	04/27/10 15:56	05/05/10 01:03	129-00-0	
2-Fluorobiphenyl (S)	72	%	48-125	10	04/27/10 15:56	05/04/10 13:15	321-60-8	D3
Terphenyl-d14 (S)	61	%	67-125	10	04/27/10 15:56	05/04/10 13:15	1718-51-0	S5
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
Acetone	ND	ug/kg	665	1	04/28/10 09:13	04/28/10 15:04	67-64-1	
Allyl chloride	ND	ug/kg	266	1	04/28/10 09:13	04/28/10 15:04	107-05-1	
Benzene	ND	ug/kg	26.6	1	04/28/10 09:13	04/28/10 15:04	71-43-2	
Bromobenzene	ND	ug/kg	66.5	1	04/28/10 09:13	04/28/10 15:04	108-86-1	
Bromochloromethane	ND	ug/kg	66.5	1	04/28/10 09:13	04/28/10 15:04	74-97-5	
Bromodichloromethane	ND	ug/kg	66.5	1	04/28/10 09:13	04/28/10 15:04	75-27-4	

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ANALYTICAL RESULTS

Project: 20028 Scherer Lumber Revised.
Pace Project No.: 10127340

Sample: GP-7 (1-4') **Lab ID: 10127340009** Collected: 04/22/10 00:00 Received: 04/26/10 16:41 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
Bromoform	ND	ug/kg	532	1	04/28/10 09:13	04/28/10 15:04	75-25-2	
Bromomethane	ND	ug/kg	665	1	04/28/10 09:13	04/28/10 15:04	74-83-9	
2-Butanone (MEK)	ND	ug/kg	665	1	04/28/10 09:13	04/28/10 15:04	78-93-3	
n-Butylbenzene	ND	ug/kg	66.5	1	04/28/10 09:13	04/28/10 15:04	104-51-8	
sec-Butylbenzene	ND	ug/kg	66.5	1	04/28/10 09:13	04/28/10 15:04	135-98-8	
tert-Butylbenzene	ND	ug/kg	66.5	1	04/28/10 09:13	04/28/10 15:04	98-06-6	
Carbon tetrachloride	ND	ug/kg	266	1	04/28/10 09:13	04/28/10 15:04	56-23-5	
Chlorobenzene	ND	ug/kg	66.5	1	04/28/10 09:13	04/28/10 15:04	108-90-7	
Chloroethane	ND	ug/kg	665	1	04/28/10 09:13	04/28/10 15:04	75-00-3	
Chloroform	**123**	ug/kg	66.5	1	04/28/10 09:13	04/28/10 15:04	67-66-3	
Chloromethane	ND	ug/kg	266	1	04/28/10 09:13	04/28/10 15:04	74-87-3	
2-Chlorotoluene	ND	ug/kg	66.5	1	04/28/10 09:13	04/28/10 15:04	95-49-8	
4-Chlorotoluene	ND	ug/kg	66.5	1	04/28/10 09:13	04/28/10 15:04	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	266	1	04/28/10 09:13	04/28/10 15:04	96-12-8	
Dibromochloromethane	ND	ug/kg	266	1	04/28/10 09:13	04/28/10 15:04	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	66.5	1	04/28/10 09:13	04/28/10 15:04	106-93-4	
Dibromomethane	ND	ug/kg	66.5	1	04/28/10 09:13	04/28/10 15:04	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	66.5	1	04/28/10 09:13	04/28/10 15:04	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	66.5	1	04/28/10 09:13	04/28/10 15:04	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	66.5	1	04/28/10 09:13	04/28/10 15:04	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	66.5	1	04/28/10 09:13	04/28/10 15:04	75-71-8	
1,1-Dichloroethane	ND	ug/kg	66.5	1	04/28/10 09:13	04/28/10 15:04	75-34-3	
1,2-Dichloroethane	ND	ug/kg	66.5	1	04/28/10 09:13	04/28/10 15:04	107-06-2	
1,1-Dichloroethene	ND	ug/kg	66.5	1	04/28/10 09:13	04/28/10 15:04	75-35-4	
cis-1,2-Dichloroethene	**288**	ug/kg	66.5	1	04/28/10 09:13	04/28/10 15:04	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	66.5	1	04/28/10 09:13	04/28/10 15:04	156-60-5	
Dichlorofluoromethane	ND	ug/kg	66.5	1	04/28/10 09:13	04/28/10 15:04	75-43-4	
1,2-Dichloropropane	ND	ug/kg	66.5	1	04/28/10 09:13	04/28/10 15:04	78-87-5	
1,3-Dichloropropane	ND	ug/kg	66.5	1	04/28/10 09:13	04/28/10 15:04	142-28-9	
2,2-Dichloropropane	ND	ug/kg	665	1	04/28/10 09:13	04/28/10 15:04	594-20-7	L1
1,1-Dichloropropene	ND	ug/kg	66.5	1	04/28/10 09:13	04/28/10 15:04	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	66.5	1	04/28/10 09:13	04/28/10 15:04	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	266	1	04/28/10 09:13	04/28/10 15:04	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/kg	266	1	04/28/10 09:13	04/28/10 15:04	60-29-7	
Ethylbenzene	ND	ug/kg	66.5	1	04/28/10 09:13	04/28/10 15:04	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	266	1	04/28/10 09:13	04/28/10 15:04	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/kg	66.5	1	04/28/10 09:13	04/28/10 15:04	98-82-8	
p-Isopropyltoluene	ND	ug/kg	66.5	1	04/28/10 09:13	04/28/10 15:04	99-87-6	
Methylene Chloride	ND	ug/kg	266	1	04/28/10 09:13	04/28/10 15:04	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	665	1	04/28/10 09:13	04/28/10 15:04	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	66.5	1	04/28/10 09:13	04/28/10 15:04	1634-04-4	
Naphthalene	ND	ug/kg	266	1	04/28/10 09:13	04/28/10 15:04	91-20-3	
n-Propylbenzene	ND	ug/kg	66.5	1	04/28/10 09:13	04/28/10 15:04	103-65-1	
Styrene	ND	ug/kg	66.5	1	04/28/10 09:13	04/28/10 15:04	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	266	1	04/28/10 09:13	04/28/10 15:04	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	66.5	1	04/28/10 09:13	04/28/10 15:04	79-34-5	

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ANALYTICAL RESULTS

Project: 20028 Scherer Lumber Revised.
Pace Project No.: 10127340

Sample: GP-7 (1-4') **Lab ID: 10127340009** Collected: 04/22/10 00:00 Received: 04/26/10 16:41 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
Tetrachloroethene	ND	ug/kg	66.5	1	04/28/10 09:13	04/28/10 15:04	127-18-4	
Tetrahydrofuran	ND	ug/kg	665	1	04/28/10 09:13	04/28/10 15:04	109-99-9	
Toluene	ND	ug/kg	66.5	1	04/28/10 09:13	04/28/10 15:04	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	66.5	1	04/28/10 09:13	04/28/10 15:04	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	66.5	1	04/28/10 09:13	04/28/10 15:04	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	66.5	1	04/28/10 09:13	04/28/10 15:04	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	66.5	1	04/28/10 09:13	04/28/10 15:04	79-00-5	
Trichloroethene	**12900**	ug/kg	66.5	1	04/28/10 09:13	04/28/10 15:04	79-01-6	
Trichlorofluoromethane	ND	ug/kg	66.5	1	04/28/10 09:13	04/28/10 15:04	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	66.5	1	04/28/10 09:13	04/28/10 15:04	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	66.5	1	04/28/10 09:13	04/28/10 15:04	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/kg	66.5	1	04/28/10 09:13	04/28/10 15:04	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	66.5	1	04/28/10 09:13	04/28/10 15:04	108-67-8	
Vinyl chloride	ND	ug/kg	26.6	1	04/28/10 09:13	04/28/10 15:04	75-01-4	
Xylene (Total)	ND	ug/kg	199	1	04/28/10 09:13	04/28/10 15:04	1330-20-7	
Dibromofluoromethane (S)	94	%	61-139	1	04/28/10 09:13	04/28/10 15:04	1868-53-7	
1,2-Dichloroethane-d4 (S)	91	%	68-136	1	04/28/10 09:13	04/28/10 15:04	17060-07-0	
Toluene-d8 (S)	100	%	68-133	1	04/28/10 09:13	04/28/10 15:04	2037-26-5	
4-Bromofluorobenzene (S)	96	%	68-126	1	04/28/10 09:13	04/28/10 15:04	460-00-4	

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ANALYTICAL RESULTS

Project: 20028 Scherer Lumber Revised.
Pace Project No.: 10127340

Sample: GP-9 (0.5-2') **Lab ID: 10127340010** Collected: 04/22/10 00:00 Received: 04/26/10 16:41 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	**8.0**	mg/kg	0.50	1	04/27/10 15:28	04/28/10 19:30	7440-38-2	
Barium	**71.1**	mg/kg	0.50	1	04/27/10 15:28	04/28/10 19:30	7440-39-3	
Cadmium	ND	mg/kg	0.050	1	04/27/10 15:28	04/28/10 19:30	7440-43-9	
Chromium	**11.3**	mg/kg	0.50	1	04/27/10 15:28	04/28/10 19:30	7440-47-3	
Lead	**24.7**	mg/kg	0.30	1	04/27/10 15:28	04/28/10 19:30	7439-92-1	
Selenium	**1.1**	mg/kg	0.75	1	04/27/10 15:28	04/28/10 19:30	7782-49-2	
Silver	ND	mg/kg	0.50	1	04/27/10 15:28	04/28/10 19:30	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	**0.040**	mg/kg	0.020	1	04/28/10 06:59	04/29/10 10:11	7439-97-6	
Dry Weight	Analytical Method: % Moisture							
Percent Moisture	**8.6**	%	0.10	1		04/27/10 00:00		
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3550							
Acenaphthene	**449**	ug/kg	109	10	04/27/10 15:56	05/04/10 13:52	83-32-9	
Acenaphthylene	**441**	ug/kg	109	10	04/27/10 15:56	05/04/10 13:52	208-96-8	
Anthracene	**2600**	ug/kg	109	10	04/27/10 15:56	05/04/10 13:52	120-12-7	
Benzo(a)anthracene	**7900**	ug/kg	1090	100	04/27/10 15:56	05/05/10 01:22	56-55-3	
Benzo(a)pyrene	**5210**	ug/kg	1090	100	04/27/10 15:56	05/05/10 01:22	50-32-8	
Benzo(b)fluoranthene	**7030**	ug/kg	1090	100	04/27/10 15:56	05/05/10 01:22	205-99-2	
Benzo(g,h,i)perylene	**1860**	ug/kg	109	10	04/27/10 15:56	05/04/10 13:52	191-24-2	
Benzo(k)fluoranthene	**3060**	ug/kg	109	10	04/27/10 15:56	05/04/10 13:52	207-08-9	
Chrysene	**5490**	ug/kg	1090	100	04/27/10 15:56	05/05/10 01:22	218-01-9	
Dibenz(a,h)anthracene	**752**	ug/kg	109	10	04/27/10 15:56	05/04/10 13:52	53-70-3	
Fluoranthene	**14900**	ug/kg	1090	100	04/27/10 15:56	05/05/10 01:22	206-44-0	
Fluorene	**622**	ug/kg	109	10	04/27/10 15:56	05/04/10 13:52	86-73-7	
Indeno(1,2,3-cd)pyrene	**1970**	ug/kg	109	10	04/27/10 15:56	05/04/10 13:52	193-39-5	
Naphthalene	ND	ug/kg	109	10	04/27/10 15:56	05/04/10 13:52	91-20-3	
Phenanthrene	**7080**	ug/kg	1090	100	04/27/10 15:56	05/05/10 01:22	85-01-8	
Pyrene	**12500**	ug/kg	1090	100	04/27/10 15:56	05/05/10 01:22	129-00-0	
2-Fluorobiphenyl (S)	72	%	48-125	10	04/27/10 15:56	05/04/10 13:52	321-60-8	D3
Terphenyl-d14 (S)	58	%	67-125	10	04/27/10 15:56	05/04/10 13:52	1718-51-0	S5

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ANALYTICAL RESULTS

Project: 20028 Scherer Lumber Revised.
Pace Project No.: 10127340

Sample: GP-10 (0.5-2') **Lab ID: 10127340011** Collected: 04/22/10 00:00 Received: 04/26/10 16:41 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	**10**	mg/kg	0.54	1	04/27/10 15:28	04/28/10 19:36	7440-38-2	
Barium	**78.3**	mg/kg	0.54	1	04/27/10 15:28	04/28/10 19:36	7440-39-3	
Cadmium	**1.3**	mg/kg	0.054	1	04/27/10 15:28	04/28/10 19:36	7440-43-9	
Chromium	**8.0**	mg/kg	0.54	1	04/27/10 15:28	04/28/10 19:36	7440-47-3	
Lead	**119**	mg/kg	0.32	1	04/27/10 15:28	04/28/10 19:36	7439-92-1	
Selenium	**2.0**	mg/kg	0.81	1	04/27/10 15:28	04/28/10 19:36	7782-49-2	
Silver	ND	mg/kg	0.54	1	04/27/10 15:28	04/28/10 19:36	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	**0.25**	mg/kg	0.021	1	04/28/10 06:59	04/29/10 10:12	7439-97-6	
Dry Weight	Analytical Method: % Moisture							
Percent Moisture	**19.0**	%	0.10	1		04/27/10 00:00		
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3550							
Acenaphthene	ND	ug/kg	61.7	5	04/27/10 15:56	05/04/10 09:46	83-32-9	
Acenaphthylene	**155**	ug/kg	61.7	5	04/27/10 15:56	05/04/10 09:46	208-96-8	
Anthracene	**109**	ug/kg	61.7	5	04/27/10 15:56	05/04/10 09:46	120-12-7	
Benzo(a)anthracene	**553**	ug/kg	61.7	5	04/27/10 15:56	05/04/10 09:46	56-55-3	
Benzo(a)pyrene	**683**	ug/kg	61.7	5	04/27/10 15:56	05/04/10 09:46	50-32-8	
Benzo(b)fluoranthene	**1100**	ug/kg	61.7	5	04/27/10 15:56	05/04/10 09:46	205-99-2	
Benzo(g,h,i)perylene	**522**	ug/kg	61.7	5	04/27/10 15:56	05/04/10 09:46	191-24-2	
Benzo(k)fluoranthene	**401**	ug/kg	61.7	5	04/27/10 15:56	05/04/10 09:46	207-08-9	
Chrysene	**468**	ug/kg	61.7	5	04/27/10 15:56	05/04/10 09:46	218-01-9	
Dibenz(a,h)anthracene	**144**	ug/kg	61.7	5	04/27/10 15:56	05/04/10 09:46	53-70-3	
Fluoranthene	**641**	ug/kg	61.7	5	04/27/10 15:56	05/04/10 09:46	206-44-0	
Fluorene	ND	ug/kg	61.7	5	04/27/10 15:56	05/04/10 09:46	86-73-7	
Indeno(1,2,3-cd)pyrene	**422**	ug/kg	61.7	5	04/27/10 15:56	05/04/10 09:46	193-39-5	
Naphthalene	**67.3**	ug/kg	61.7	5	04/27/10 15:56	05/04/10 09:46	91-20-3	
Phenanthrene	**317**	ug/kg	61.7	5	04/27/10 15:56	05/04/10 09:46	85-01-8	
Pyrene	**552**	ug/kg	61.7	5	04/27/10 15:56	05/04/10 09:46	129-00-0	
2-Fluorobiphenyl (S)	71	%	48-125	5	04/27/10 15:56	05/04/10 09:46	321-60-8	D3
Terphenyl-d14 (S)	68	%	67-125	5	04/27/10 15:56	05/04/10 09:46	1718-51-0	

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ANALYTICAL RESULTS

Project: 20028 Scherer Lumber Revised.
Pace Project No.: 10127340

Sample: GP-11 (0.5-2') **Lab ID: 10127340012** Collected: 04/22/10 00:00 Received: 04/26/10 16:41 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	**21.2**	mg/kg	0.52	1	04/27/10 15:28	04/28/10 19:43	7440-38-2	
Barium	**106**	mg/kg	0.52	1	04/27/10 15:28	04/28/10 19:43	7440-39-3	
Cadmium	**3.3**	mg/kg	0.052	1	04/27/10 15:28	04/28/10 19:43	7440-43-9	
Chromium	**11.5**	mg/kg	0.52	1	04/27/10 15:28	04/28/10 19:43	7440-47-3	
Lead	**135**	mg/kg	0.31	1	04/27/10 15:28	04/28/10 19:43	7439-92-1	
Selenium	**2.8**	mg/kg	0.78	1	04/27/10 15:28	04/28/10 19:43	7782-49-2	
Silver	ND	mg/kg	0.52	1	04/27/10 15:28	04/28/10 19:43	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	**0.14**	mg/kg	0.022	1	04/28/10 06:59	04/29/10 10:13	7439-97-6	
Dry Weight	Analytical Method: % Moisture							
Percent Moisture	**12.5**	%	0.10	1		04/27/10 00:00		
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3550							
Acenaphthene	**156**	ug/kg	57.2	5	04/27/10 15:56	05/04/10 10:05	83-32-9	
Acenaphthylene	**64.8**	ug/kg	57.2	5	04/27/10 15:56	05/04/10 10:05	208-96-8	
Anthracene	**483**	ug/kg	57.2	5	04/27/10 15:56	05/04/10 10:05	120-12-7	
Benzo(a)anthracene	**1230**	ug/kg	57.2	5	04/27/10 15:56	05/04/10 10:05	56-55-3	
Benzo(a)pyrene	**987**	ug/kg	57.2	5	04/27/10 15:56	05/04/10 10:05	50-32-8	
Benzo(b)fluoranthene	**1640**	ug/kg	57.2	5	04/27/10 15:56	05/04/10 10:05	205-99-2	
Benzo(g,h,i)perylene	**540**	ug/kg	57.2	5	04/27/10 15:56	05/04/10 10:05	191-24-2	
Benzo(k)fluoranthene	**532**	ug/kg	57.2	5	04/27/10 15:56	05/04/10 10:05	207-08-9	
Chrysene	**1010**	ug/kg	57.2	5	04/27/10 15:56	05/04/10 10:05	218-01-9	
Dibenz(a,h)anthracene	**175**	ug/kg	57.2	5	04/27/10 15:56	05/04/10 10:05	53-70-3	
Fluoranthene	**2290**	ug/kg	286	25	04/27/10 15:56	05/05/10 00:25	206-44-0	
Fluorene	**139**	ug/kg	57.2	5	04/27/10 15:56	05/04/10 10:05	86-73-7	
Indeno(1,2,3-cd)pyrene	**495**	ug/kg	57.2	5	04/27/10 15:56	05/04/10 10:05	193-39-5	
Naphthalene	**70.1**	ug/kg	57.2	5	04/27/10 15:56	05/04/10 10:05	91-20-3	
Phenanthrene	**1750**	ug/kg	57.2	5	04/27/10 15:56	05/04/10 10:05	85-01-8	
Pyrene	**1850**	ug/kg	57.2	5	04/27/10 15:56	05/04/10 10:05	129-00-0	
2-Fluorobiphenyl (S)	75	%	48-125	5	04/27/10 15:56	05/04/10 10:05	321-60-8	D3
Terphenyl-d14 (S)	72	%	67-125	5	04/27/10 15:56	05/04/10 10:05	1718-51-0	

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ANALYTICAL RESULTS

Project: 20028 Scherer Lumber Revised.
Pace Project No.: 10127340

Sample: GP-13A (2-4') **Lab ID: 10127340013** Collected: 04/23/10 00:00 Received: 04/26/10 16:41 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO							
Diesel Range Organics	**245**	mg/kg	30.5	2	04/26/10 15:57	04/29/10 12:20		T6
n-Triacontane (S)	77	%	50-150	2	04/26/10 15:57	04/29/10 12:20		
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	**23.2**	mg/kg	0.67	1	04/27/10 15:28	04/28/10 19:49	7440-38-2	
Barium	**277**	mg/kg	0.67	1	04/27/10 15:28	04/28/10 19:49	7440-39-3	
Cadmium	**3.7**	mg/kg	0.067	1	04/27/10 15:28	04/28/10 19:49	7440-43-9	
Chromium	**10.9**	mg/kg	0.67	1	04/27/10 15:28	04/28/10 19:49	7440-47-3	
Lead	**42.4**	mg/kg	0.40	1	04/27/10 15:28	04/28/10 19:49	7439-92-1	
Selenium	**4.4**	mg/kg	1.0	1	04/27/10 15:28	04/28/10 19:49	7782-49-2	
Silver	ND	mg/kg	0.67	1	04/27/10 15:28	04/28/10 19:49	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	**0.032**	mg/kg	0.025	1	04/28/10 06:59	04/29/10 10:15	7439-97-6	
Dry Weight	Analytical Method: % Moisture							
Percent Moisture	**30.5**	%	0.10	1		04/27/10 00:00		
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3550							
Acenaphthene	ND	ug/kg	144	10	04/27/10 15:56	05/04/10 14:11	83-32-9	
Acenaphthylene	ND	ug/kg	144	10	04/27/10 15:56	05/04/10 14:11	208-96-8	
Anthracene	ND	ug/kg	144	10	04/27/10 15:56	05/04/10 14:11	120-12-7	
Benzo(a)anthracene	**270**	ug/kg	144	10	04/27/10 15:56	05/04/10 14:11	56-55-3	
Benzo(a)pyrene	**259**	ug/kg	144	10	04/27/10 15:56	05/04/10 14:11	50-32-8	
Benzo(b)fluoranthene	**357**	ug/kg	144	10	04/27/10 15:56	05/04/10 14:11	205-99-2	
Benzo(g,h,i)perylene	**231**	ug/kg	144	10	04/27/10 15:56	05/04/10 14:11	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	144	10	04/27/10 15:56	05/04/10 14:11	207-08-9	
Chrysene	**379**	ug/kg	144	10	04/27/10 15:56	05/04/10 14:11	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	144	10	04/27/10 15:56	05/04/10 14:11	53-70-3	
Fluoranthene	**301**	ug/kg	144	10	04/27/10 15:56	05/04/10 14:11	206-44-0	
Fluorene	ND	ug/kg	144	10	04/27/10 15:56	05/04/10 14:11	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	144	10	04/27/10 15:56	05/04/10 14:11	193-39-5	
Naphthalene	**367**	ug/kg	144	10	04/27/10 15:56	05/04/10 14:11	91-20-3	
Phenanthrene	**728**	ug/kg	144	10	04/27/10 15:56	05/04/10 14:11	85-01-8	
Pyrene	**416**	ug/kg	144	10	04/27/10 15:56	05/04/10 14:11	129-00-0	
2-Fluorobiphenyl (S)	72	%	48-125	10	04/27/10 15:56	05/04/10 14:11	321-60-8	D3
Terphenyl-d14 (S)	71	%	67-125	10	04/27/10 15:56	05/04/10 14:11	1718-51-0	

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ANALYTICAL RESULTS

Project: 20028 Scherer Lumber Revised.
Pace Project No.: 10127340

Sample: GP-13A (10-12') **Lab ID: 10127340014** Collected: 04/23/10 10:00 Received: 04/26/10 16:41 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO							
Diesel Range Organics	ND	mg/kg	6.4	1	04/26/10 15:57	04/28/10 14:46		
n-Triacontane (S)	78	%	50-150	1	04/26/10 15:57	04/28/10 14:46		
Dry Weight	Analytical Method: % Moisture							
Percent Moisture	**12.9**	%	0.10	1		04/27/10 00:00		
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
Acetone	ND	ug/kg	563	1	04/28/10 09:13	04/28/10 15:25	67-64-1	
Allyl chloride	ND	ug/kg	225	1	04/28/10 09:13	04/28/10 15:25	107-05-1	
Benzene	ND	ug/kg	22.5	1	04/28/10 09:13	04/28/10 15:25	71-43-2	
Bromobenzene	ND	ug/kg	56.3	1	04/28/10 09:13	04/28/10 15:25	108-86-1	
Bromochloromethane	ND	ug/kg	56.3	1	04/28/10 09:13	04/28/10 15:25	74-97-5	
Bromodichloromethane	ND	ug/kg	56.3	1	04/28/10 09:13	04/28/10 15:25	75-27-4	
Bromoform	ND	ug/kg	451	1	04/28/10 09:13	04/28/10 15:25	75-25-2	
Bromomethane	ND	ug/kg	563	1	04/28/10 09:13	04/28/10 15:25	74-83-9	
2-Butanone (MEK)	ND	ug/kg	563	1	04/28/10 09:13	04/28/10 15:25	78-93-3	
n-Butylbenzene	ND	ug/kg	56.3	1	04/28/10 09:13	04/28/10 15:25	104-51-8	
sec-Butylbenzene	ND	ug/kg	56.3	1	04/28/10 09:13	04/28/10 15:25	135-98-8	
tert-Butylbenzene	ND	ug/kg	56.3	1	04/28/10 09:13	04/28/10 15:25	98-06-6	
Carbon tetrachloride	ND	ug/kg	225	1	04/28/10 09:13	04/28/10 15:25	56-23-5	
Chlorobenzene	ND	ug/kg	56.3	1	04/28/10 09:13	04/28/10 15:25	108-90-7	
Chloroethane	ND	ug/kg	563	1	04/28/10 09:13	04/28/10 15:25	75-00-3	
Chloroform	ND	ug/kg	56.3	1	04/28/10 09:13	04/28/10 15:25	67-66-3	
Chloromethane	ND	ug/kg	225	1	04/28/10 09:13	04/28/10 15:25	74-87-3	
2-Chlorotoluene	ND	ug/kg	56.3	1	04/28/10 09:13	04/28/10 15:25	95-49-8	
4-Chlorotoluene	ND	ug/kg	56.3	1	04/28/10 09:13	04/28/10 15:25	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	225	1	04/28/10 09:13	04/28/10 15:25	96-12-8	
Dibromochloromethane	ND	ug/kg	225	1	04/28/10 09:13	04/28/10 15:25	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	56.3	1	04/28/10 09:13	04/28/10 15:25	106-93-4	
Dibromomethane	ND	ug/kg	56.3	1	04/28/10 09:13	04/28/10 15:25	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	56.3	1	04/28/10 09:13	04/28/10 15:25	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	56.3	1	04/28/10 09:13	04/28/10 15:25	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	56.3	1	04/28/10 09:13	04/28/10 15:25	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	56.3	1	04/28/10 09:13	04/28/10 15:25	75-71-8	
1,1-Dichloroethane	ND	ug/kg	56.3	1	04/28/10 09:13	04/28/10 15:25	75-34-3	
1,2-Dichloroethane	ND	ug/kg	56.3	1	04/28/10 09:13	04/28/10 15:25	107-06-2	
1,1-Dichloroethene	ND	ug/kg	56.3	1	04/28/10 09:13	04/28/10 15:25	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	56.3	1	04/28/10 09:13	04/28/10 15:25	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	56.3	1	04/28/10 09:13	04/28/10 15:25	156-60-5	
Dichlorofluoromethane	ND	ug/kg	56.3	1	04/28/10 09:13	04/28/10 15:25	75-43-4	
1,2-Dichloropropane	ND	ug/kg	56.3	1	04/28/10 09:13	04/28/10 15:25	78-87-5	
1,3-Dichloropropane	ND	ug/kg	56.3	1	04/28/10 09:13	04/28/10 15:25	142-28-9	
2,2-Dichloropropane	ND	ug/kg	563	1	04/28/10 09:13	04/28/10 15:25	594-20-7	L1
1,1-Dichloropropene	ND	ug/kg	56.3	1	04/28/10 09:13	04/28/10 15:25	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	56.3	1	04/28/10 09:13	04/28/10 15:25	10061-01-5	

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ANALYTICAL RESULTS

Project: 20028 Scherer Lumber Revised.
Pace Project No.: 10127340

Sample: GP-13A (10-12') **Lab ID: 10127340014** Collected: 04/23/10 10:00 Received: 04/26/10 16:41 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
trans-1,3-Dichloropropene	ND	ug/kg	225	1	04/28/10 09:13	04/28/10 15:25	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/kg	225	1	04/28/10 09:13	04/28/10 15:25	60-29-7	
Ethylbenzene	ND	ug/kg	56.3	1	04/28/10 09:13	04/28/10 15:25	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	225	1	04/28/10 09:13	04/28/10 15:25	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/kg	56.3	1	04/28/10 09:13	04/28/10 15:25	98-82-8	
p-Isopropyltoluene	ND	ug/kg	56.3	1	04/28/10 09:13	04/28/10 15:25	99-87-6	
Methylene Chloride	ND	ug/kg	225	1	04/28/10 09:13	04/28/10 15:25	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	563	1	04/28/10 09:13	04/28/10 15:25	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	56.3	1	04/28/10 09:13	04/28/10 15:25	1634-04-4	
Naphthalene	ND	ug/kg	225	1	04/28/10 09:13	04/28/10 15:25	91-20-3	
n-Propylbenzene	ND	ug/kg	56.3	1	04/28/10 09:13	04/28/10 15:25	103-65-1	
Styrene	ND	ug/kg	56.3	1	04/28/10 09:13	04/28/10 15:25	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	225	1	04/28/10 09:13	04/28/10 15:25	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	56.3	1	04/28/10 09:13	04/28/10 15:25	79-34-5	
Tetrachloroethene	ND	ug/kg	56.3	1	04/28/10 09:13	04/28/10 15:25	127-18-4	
Tetrahydrofuran	ND	ug/kg	563	1	04/28/10 09:13	04/28/10 15:25	109-99-9	
Toluene	ND	ug/kg	56.3	1	04/28/10 09:13	04/28/10 15:25	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	56.3	1	04/28/10 09:13	04/28/10 15:25	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	56.3	1	04/28/10 09:13	04/28/10 15:25	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	56.3	1	04/28/10 09:13	04/28/10 15:25	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	56.3	1	04/28/10 09:13	04/28/10 15:25	79-00-5	
Trichloroethene	**109**	ug/kg	56.3	1	04/28/10 09:13	04/28/10 15:25	79-01-6	
Trichlorofluoromethane	ND	ug/kg	56.3	1	04/28/10 09:13	04/28/10 15:25	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	56.3	1	04/28/10 09:13	04/28/10 15:25	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	56.3	1	04/28/10 09:13	04/28/10 15:25	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/kg	56.3	1	04/28/10 09:13	04/28/10 15:25	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	56.3	1	04/28/10 09:13	04/28/10 15:25	108-67-8	
Vinyl chloride	ND	ug/kg	22.5	1	04/28/10 09:13	04/28/10 15:25	75-01-4	
Xylene (Total)	ND	ug/kg	169	1	04/28/10 09:13	04/28/10 15:25	1330-20-7	
Dibromofluoromethane (S)	100	%	61-139	1	04/28/10 09:13	04/28/10 15:25	1868-53-7	
1,2-Dichloroethane-d4 (S)	98	%	68-136	1	04/28/10 09:13	04/28/10 15:25	17060-07-0	
Toluene-d8 (S)	104	%	68-133	1	04/28/10 09:13	04/28/10 15:25	2037-26-5	
4-Bromofluorobenzene (S)	105	%	68-126	1	04/28/10 09:13	04/28/10 15:25	460-00-4	

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ANALYTICAL RESULTS

Project: 20028 Scherer Lumber Revised.
Pace Project No.: 10127340

Sample: GP-14 (1.5-4') **Lab ID: 10127340015** Collected: 04/23/10 00:00 Received: 04/26/10 16:41 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO							
Diesel Range Organics	**209**	mg/kg	52.9	5	04/26/10 15:57	04/28/10 16:52		T6
n-Triacontane (S)	92	%	50-150	5	04/26/10 15:57	04/28/10 16:52		
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	**11.3**	mg/kg	0.56	1	04/27/10 15:28	04/28/10 19:54	7440-38-2	
Barium	**318**	mg/kg	0.56	1	04/27/10 15:28	04/28/10 19:54	7440-39-3	
Cadmium	**1.6**	mg/kg	0.056	1	04/27/10 15:28	04/28/10 19:54	7440-43-9	
Chromium	**7.7**	mg/kg	0.56	1	04/27/10 15:28	04/28/10 19:54	7440-47-3	
Lead	**228**	mg/kg	0.33	1	04/27/10 15:28	04/28/10 19:54	7439-92-1	
Selenium	**2.2**	mg/kg	0.84	1	04/27/10 15:28	04/28/10 19:54	7782-49-2	
Silver	ND	mg/kg	0.56	1	04/27/10 15:28	04/28/10 19:54	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	**0.25**	mg/kg	0.021	1	04/28/10 06:59	04/29/10 10:19	7439-97-6	
Dry Weight	Analytical Method: % Moisture							
Percent Moisture	**16.3**	%	0.10	1		04/27/10 00:00		
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3550							
Acenaphthene	ND	ug/kg	119	10	04/27/10 15:56	05/04/10 14:30	83-32-9	
Acenaphthylene	ND	ug/kg	119	10	04/27/10 15:56	05/04/10 14:30	208-96-8	
Anthracene	ND	ug/kg	119	10	04/27/10 15:56	05/04/10 14:30	120-12-7	
Benzo(a)anthracene	**222**	ug/kg	119	10	04/27/10 15:56	05/04/10 14:30	56-55-3	
Benzo(a)pyrene	**208**	ug/kg	119	10	04/27/10 15:56	05/04/10 14:30	50-32-8	
Benzo(b)fluoranthene	**307**	ug/kg	119	10	04/27/10 15:56	05/04/10 14:30	205-99-2	
Benzo(g,h,i)perylene	**159**	ug/kg	119	10	04/27/10 15:56	05/04/10 14:30	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	119	10	04/27/10 15:56	05/04/10 14:30	207-08-9	
Chrysene	**317**	ug/kg	119	10	04/27/10 15:56	05/04/10 14:30	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	119	10	04/27/10 15:56	05/04/10 14:30	53-70-3	
Fluoranthene	**315**	ug/kg	119	10	04/27/10 15:56	05/04/10 14:30	206-44-0	
Fluorene	ND	ug/kg	119	10	04/27/10 15:56	05/04/10 14:30	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	119	10	04/27/10 15:56	05/04/10 14:30	193-39-5	
Naphthalene	**173**	ug/kg	119	10	04/27/10 15:56	05/04/10 14:30	91-20-3	
Phenanthrene	**470**	ug/kg	119	10	04/27/10 15:56	05/04/10 14:30	85-01-8	
Pyrene	**354**	ug/kg	119	10	04/27/10 15:56	05/04/10 14:30	129-00-0	
2-Fluorobiphenyl (S)	71	%	48-125	10	04/27/10 15:56	05/04/10 14:30	321-60-8	D3
Terphenyl-d14 (S)	74	%	67-125	10	04/27/10 15:56	05/04/10 14:30	1718-51-0	

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ANALYTICAL RESULTS

Project: 20028 Scherer Lumber Revised.
Pace Project No.: 10127340

Sample: GP-14 (4-6') **Lab ID: 10127340016** Collected: 04/23/10 00:00 Received: 04/26/10 16:41 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO							
Diesel Range Organics	ND	mg/kg	10	1	04/26/10 15:57	04/28/10 16:03		
n-Triacontane (S)	79	%	50-150	1	04/26/10 15:57	04/28/10 16:03		
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	**5.9**	mg/kg	0.52	1	04/27/10 15:28	04/28/10 20:01	7440-38-2	
Barium	**58.8**	mg/kg	0.52	1	04/27/10 15:28	04/28/10 20:01	7440-39-3	
Cadmium	**1.0**	mg/kg	0.052	1	04/27/10 15:28	04/28/10 20:01	7440-43-9	
Chromium	**12.9**	mg/kg	0.52	1	04/27/10 15:28	04/28/10 20:01	7440-47-3	
Lead	**5.0**	mg/kg	0.31	1	04/27/10 15:28	04/28/10 20:01	7439-92-1	
Selenium	**1.4**	mg/kg	0.78	1	04/27/10 15:28	04/28/10 20:01	7782-49-2	
Silver	ND	mg/kg	0.52	1	04/27/10 15:28	04/28/10 20:01	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	ND	mg/kg	0.021	1	04/28/10 06:59	04/29/10 10:20	7439-97-6	
Dry Weight	Analytical Method: % Moisture							
Percent Moisture	**16.6**	%	0.10	1		04/27/10 00:00		
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3550							
Acenaphthene	ND	ug/kg	12.0	1	04/27/10 15:56	05/04/10 07:34	83-32-9	
Acenaphthylene	ND	ug/kg	12.0	1	04/27/10 15:56	05/04/10 07:34	208-96-8	
Anthracene	ND	ug/kg	12.0	1	04/27/10 15:56	05/04/10 07:34	120-12-7	
Benzo(a)anthracene	ND	ug/kg	12.0	1	04/27/10 15:56	05/04/10 07:34	56-55-3	
Benzo(a)pyrene	ND	ug/kg	12.0	1	04/27/10 15:56	05/04/10 07:34	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	12.0	1	04/27/10 15:56	05/04/10 07:34	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	12.0	1	04/27/10 15:56	05/04/10 07:34	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	12.0	1	04/27/10 15:56	05/04/10 07:34	207-08-9	
Chrysene	ND	ug/kg	12.0	1	04/27/10 15:56	05/04/10 07:34	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	12.0	1	04/27/10 15:56	05/04/10 07:34	53-70-3	
Fluoranthene	ND	ug/kg	12.0	1	04/27/10 15:56	05/04/10 07:34	206-44-0	
Fluorene	ND	ug/kg	12.0	1	04/27/10 15:56	05/04/10 07:34	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	12.0	1	04/27/10 15:56	05/04/10 07:34	193-39-5	
Naphthalene	ND	ug/kg	12.0	1	04/27/10 15:56	05/04/10 07:34	91-20-3	
Phenanthrene	ND	ug/kg	12.0	1	04/27/10 15:56	05/04/10 07:34	85-01-8	
Pyrene	ND	ug/kg	12.0	1	04/27/10 15:56	05/04/10 07:34	129-00-0	
2-Fluorobiphenyl (S)	65	%	48-125	1	04/27/10 15:56	05/04/10 07:34	321-60-8	
Terphenyl-d14 (S)	72	%	67-125	1	04/27/10 15:56	05/04/10 07:34	1718-51-0	

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ANALYTICAL RESULTS

Project: 20028 Scherer Lumber Revised.
Pace Project No.: 10127340

Sample: GP-15 (0.5-3') **Lab ID: 10127340017** Collected: 04/23/10 00:00 Received: 04/26/10 16:41 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	**36.2**	mg/kg	0.55	1	04/27/10 15:28	04/28/10 20:16	7440-38-2	
Barium	**258**	mg/kg	0.55	1	04/27/10 15:28	04/28/10 20:16	7440-39-3	
Cadmium	**1.5**	mg/kg	0.055	1	04/27/10 15:28	04/28/10 20:16	7440-43-9	
Chromium	**8.5**	mg/kg	0.55	1	04/27/10 15:28	04/28/10 20:16	7440-47-3	
Lead	**631**	mg/kg	0.33	1	04/27/10 15:28	04/28/10 20:16	7439-92-1	
Selenium	**4.0**	mg/kg	0.82	1	04/27/10 15:28	04/28/10 20:16	7782-49-2	
Silver	ND	mg/kg	0.55	1	04/27/10 15:28	04/28/10 20:16	7440-22-4	
6010 MET ICP, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
	Leachate Method/Date: EPA 1311; 05/11/10 16:30							
Lead	**0.11**	mg/L	0.015	5	05/11/10 19:52	05/12/10 11:40	7439-92-1	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	**0.18**	mg/kg	0.023	1	04/28/10 06:59	04/29/10 10:22	7439-97-6	
Dry Weight	Analytical Method: % Moisture							
Percent Moisture	**23.5**	%	0.10	1		04/27/10 00:00		
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3550							
Acenaphthene	ND	ug/kg	65.4	5	04/27/10 15:56	05/04/10 10:24	83-32-9	
Acenaphthylene	ND	ug/kg	65.4	5	04/27/10 15:56	05/04/10 10:24	208-96-8	
Anthracene	**72.7**	ug/kg	65.4	5	04/27/10 15:56	05/04/10 10:24	120-12-7	
Benzo(a)anthracene	**262**	ug/kg	65.4	5	04/27/10 15:56	05/04/10 10:24	56-55-3	
Benzo(a)pyrene	**202**	ug/kg	65.4	5	04/27/10 15:56	05/04/10 10:24	50-32-8	
Benzo(b)fluoranthene	**389**	ug/kg	65.4	5	04/27/10 15:56	05/04/10 10:24	205-99-2	
Benzo(g,h,i)perylene	**163**	ug/kg	65.4	5	04/27/10 15:56	05/04/10 10:24	191-24-2	
Benzo(k)fluoranthene	**104**	ug/kg	65.4	5	04/27/10 15:56	05/04/10 10:24	207-08-9	
Chrysene	**340**	ug/kg	65.4	5	04/27/10 15:56	05/04/10 10:24	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	65.4	5	04/27/10 15:56	05/04/10 10:24	53-70-3	
Fluoranthene	**391**	ug/kg	65.4	5	04/27/10 15:56	05/04/10 10:24	206-44-0	
Fluorene	ND	ug/kg	65.4	5	04/27/10 15:56	05/04/10 10:24	86-73-7	
Indeno(1,2,3-cd)pyrene	**110**	ug/kg	65.4	5	04/27/10 15:56	05/04/10 10:24	193-39-5	
Naphthalene	**247**	ug/kg	65.4	5	04/27/10 15:56	05/04/10 10:24	91-20-3	
Phenanthrene	**573**	ug/kg	65.4	5	04/27/10 15:56	05/04/10 10:24	85-01-8	
Pyrene	**359**	ug/kg	65.4	5	04/27/10 15:56	05/04/10 10:24	129-00-0	
2-Fluorobiphenyl (S)	63	%	48-125	5	04/27/10 15:56	05/04/10 10:24	321-60-8	D3
Terphenyl-d14 (S)	64	%	67-125	5	04/27/10 15:56	05/04/10 10:24	1718-51-0	S5

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ANALYTICAL RESULTS

Project: 20028 Scherer Lumber Revised.
Pace Project No.: 10127340

Sample: GP-16 (0.5-4') **Lab ID: 10127340018** Collected: 04/23/10 00:00 Received: 04/26/10 16:41 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	**21.1**	mg/kg	0.55	1	04/27/10 15:28	04/28/10 20:22	7440-38-2	
Barium	**171**	mg/kg	0.55	1	04/27/10 15:28	04/28/10 20:22	7440-39-3	
Cadmium	**7.8**	mg/kg	0.055	1	04/27/10 15:28	04/28/10 20:22	7440-43-9	
Chromium	**18.5**	mg/kg	0.55	1	04/27/10 15:28	04/28/10 20:22	7440-47-3	
Lead	**228**	mg/kg	0.33	1	04/27/10 15:28	04/28/10 20:22	7439-92-1	
Selenium	**2.5**	mg/kg	0.83	1	04/27/10 15:28	04/28/10 20:22	7782-49-2	
Silver	ND	mg/kg	0.55	1	04/27/10 15:28	04/28/10 20:22	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	**1.8**	mg/kg	0.10	5	04/28/10 06:59	04/29/10 10:32	7439-97-6	
Dry Weight	Analytical Method: % Moisture							
Percent Moisture	**14.3**	%	0.10	1		04/27/10 00:00		
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3550							
Acenaphthene	ND	ug/kg	58.4	5	04/27/10 15:56	05/04/10 10:43	83-32-9	
Acenaphthylene	**146**	ug/kg	58.4	5	04/27/10 15:56	05/04/10 10:43	208-96-8	
Anthracene	**157**	ug/kg	58.4	5	04/27/10 15:56	05/04/10 10:43	120-12-7	
Benzo(a)anthracene	**689**	ug/kg	58.4	5	04/27/10 15:56	05/04/10 10:43	56-55-3	
Benzo(a)pyrene	**625**	ug/kg	58.4	5	04/27/10 15:56	05/04/10 10:43	50-32-8	
Benzo(b)fluoranthene	**949**	ug/kg	58.4	5	04/27/10 15:56	05/04/10 10:43	205-99-2	
Benzo(g,h,i)perylene	**395**	ug/kg	58.4	5	04/27/10 15:56	05/04/10 10:43	191-24-2	
Benzo(k)fluoranthene	**327**	ug/kg	58.4	5	04/27/10 15:56	05/04/10 10:43	207-08-9	
Chrysene	**568**	ug/kg	58.4	5	04/27/10 15:56	05/04/10 10:43	218-01-9	
Dibenz(a,h)anthracene	**106**	ug/kg	58.4	5	04/27/10 15:56	05/04/10 10:43	53-70-3	
Fluoranthene	**1040**	ug/kg	58.4	5	04/27/10 15:56	05/04/10 10:43	206-44-0	
Fluorene	ND	ug/kg	58.4	5	04/27/10 15:56	05/04/10 10:43	86-73-7	
Indeno(1,2,3-cd)pyrene	**310**	ug/kg	58.4	5	04/27/10 15:56	05/04/10 10:43	193-39-5	
Naphthalene	ND	ug/kg	58.4	5	04/27/10 15:56	05/04/10 10:43	91-20-3	
Phenanthrene	**363**	ug/kg	58.4	5	04/27/10 15:56	05/04/10 10:43	85-01-8	
Pyrene	**1020**	ug/kg	58.4	5	04/27/10 15:56	05/04/10 10:43	129-00-0	
2-Fluorobiphenyl (S)	72	%	48-125	5	04/27/10 15:56	05/04/10 10:43	321-60-8	D3
Terphenyl-d14 (S)	69	%	67-125	5	04/27/10 15:56	05/04/10 10:43	1718-51-0	

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ANALYTICAL RESULTS

Project: 20028 Scherer Lumber Revised.
Pace Project No.: 10127340

Sample: GP-17 (2-4') **Lab ID: 10127340019** Collected: 04/23/10 00:00 Received: 04/26/10 16:41 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	**10.7**	mg/kg	0.53	1	04/27/10 15:28	04/28/10 20:29	7440-38-2	
Barium	**110**	mg/kg	0.53	1	04/27/10 15:28	04/28/10 20:29	7440-39-3	
Cadmium	**0.80**	mg/kg	0.053	1	04/27/10 15:28	04/28/10 20:29	7440-43-9	
Chromium	**9.8**	mg/kg	0.53	1	04/27/10 15:28	04/28/10 20:29	7440-47-3	
Lead	**41.1**	mg/kg	0.32	1	04/27/10 15:28	04/28/10 20:29	7439-92-1	
Selenium	**1.9**	mg/kg	0.79	1	04/27/10 15:28	04/28/10 20:29	7782-49-2	
Silver	ND	mg/kg	0.53	1	04/27/10 15:28	04/28/10 20:29	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	**0.036**	mg/kg	0.020	1	04/28/10 06:59	04/29/10 10:25	7439-97-6	
Dry Weight	Analytical Method: % Moisture							
Percent Moisture	**13.4**	%	0.10	1		04/27/10 00:00		
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3550							
Acenaphthene	ND	ug/kg	57.7	5	04/27/10 15:56	05/04/10 11:02	83-32-9	
Acenaphthylene	ND	ug/kg	57.7	5	04/27/10 15:56	05/04/10 11:02	208-96-8	
Anthracene	ND	ug/kg	57.7	5	04/27/10 15:56	05/04/10 11:02	120-12-7	
Benzo(a)anthracene	**123**	ug/kg	57.7	5	04/27/10 15:56	05/04/10 11:02	56-55-3	
Benzo(a)pyrene	**91.4**	ug/kg	57.7	5	04/27/10 15:56	05/04/10 11:02	50-32-8	
Benzo(b)fluoranthene	**157**	ug/kg	57.7	5	04/27/10 15:56	05/04/10 11:02	205-99-2	
Benzo(g,h,i)perylene	**77.2**	ug/kg	57.7	5	04/27/10 15:56	05/04/10 11:02	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	57.7	5	04/27/10 15:56	05/04/10 11:02	207-08-9	
Chrysene	**177**	ug/kg	57.7	5	04/27/10 15:56	05/04/10 11:02	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	57.7	5	04/27/10 15:56	05/04/10 11:02	53-70-3	
Fluoranthene	**126**	ug/kg	57.7	5	04/27/10 15:56	05/04/10 11:02	206-44-0	
Fluorene	ND	ug/kg	57.7	5	04/27/10 15:56	05/04/10 11:02	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	57.7	5	04/27/10 15:56	05/04/10 11:02	193-39-5	
Naphthalene	**75.5**	ug/kg	57.7	5	04/27/10 15:56	05/04/10 11:02	91-20-3	
Phenanthrene	**209**	ug/kg	57.7	5	04/27/10 15:56	05/04/10 11:02	85-01-8	
Pyrene	**135**	ug/kg	57.7	5	04/27/10 15:56	05/04/10 11:02	129-00-0	
2-Fluorobiphenyl (S)	69	%	48-125	5	04/27/10 15:56	05/04/10 11:02	321-60-8	D3
Terphenyl-d14 (S)	74	%	67-125	5	04/27/10 15:56	05/04/10 11:02	1718-51-0	

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ANALYTICAL RESULTS

Project: 20028 Scherer Lumber Revised.
Pace Project No.: 10127340

Sample: GP-17 (5.5-7') **Lab ID: 10127340020** Collected: 04/23/10 00:00 Received: 04/26/10 16:41 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	**4.1**	mg/kg	0.50	1	04/27/10 15:28	04/28/10 20:35	7440-38-2	
Barium	**48.4**	mg/kg	0.50	1	04/27/10 15:28	04/28/10 20:35	7440-39-3	
Cadmium	**1.0**	mg/kg	0.050	1	04/27/10 15:28	04/28/10 20:35	7440-43-9	
Chromium	**20.8**	mg/kg	0.50	1	04/27/10 15:28	04/28/10 20:35	7440-47-3	
Lead	**6.6**	mg/kg	0.30	1	04/27/10 15:28	04/28/10 20:35	7439-92-1	
Selenium	**1.2**	mg/kg	0.75	1	04/27/10 15:28	04/28/10 20:35	7782-49-2	
Silver	ND	mg/kg	0.50	1	04/27/10 15:28	04/28/10 20:35	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	ND	mg/kg	0.021	1	04/28/10 06:59	04/29/10 10:29	7439-97-6	
Dry Weight	Analytical Method: % Moisture							
Percent Moisture	**18.1**	%	0.10	1		04/27/10 00:00		
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3550							
Acenaphthene	ND	ug/kg	12.2	1	04/27/10 15:56	05/04/10 07:53	83-32-9	
Acenaphthylene	ND	ug/kg	12.2	1	04/27/10 15:56	05/04/10 07:53	208-96-8	
Anthracene	ND	ug/kg	12.2	1	04/27/10 15:56	05/04/10 07:53	120-12-7	
Benzo(a)anthracene	ND	ug/kg	12.2	1	04/27/10 15:56	05/04/10 07:53	56-55-3	
Benzo(a)pyrene	ND	ug/kg	12.2	1	04/27/10 15:56	05/04/10 07:53	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	12.2	1	04/27/10 15:56	05/04/10 07:53	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	12.2	1	04/27/10 15:56	05/04/10 07:53	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	12.2	1	04/27/10 15:56	05/04/10 07:53	207-08-9	
Chrysene	ND	ug/kg	12.2	1	04/27/10 15:56	05/04/10 07:53	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	12.2	1	04/27/10 15:56	05/04/10 07:53	53-70-3	
Fluoranthene	ND	ug/kg	12.2	1	04/27/10 15:56	05/04/10 07:53	206-44-0	
Fluorene	ND	ug/kg	12.2	1	04/27/10 15:56	05/04/10 07:53	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	12.2	1	04/27/10 15:56	05/04/10 07:53	193-39-5	
Naphthalene	ND	ug/kg	12.2	1	04/27/10 15:56	05/04/10 07:53	91-20-3	
Phenanthrene	ND	ug/kg	12.2	1	04/27/10 15:56	05/04/10 07:53	85-01-8	
Pyrene	ND	ug/kg	12.2	1	04/27/10 15:56	05/04/10 07:53	129-00-0	
2-Fluorobiphenyl (S)	68	%	48-125	1	04/27/10 15:56	05/04/10 07:53	321-60-8	
Terphenyl-d14 (S)	76	%	67-125	1	04/27/10 15:56	05/04/10 07:53	1718-51-0	

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ANALYTICAL RESULTS

Project: 20028 Scherer Lumber Revised.
Pace Project No.: 10127340

Sample: GP-18 (2.5-4') **Lab ID: 10127340021** Collected: 04/23/10 00:00 Received: 04/26/10 16:41 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	**23.0**	mg/kg	0.56	1	04/27/10 15:28	04/28/10 20:42	7440-38-2	
Barium	**94.1**	mg/kg	0.56	1	04/27/10 15:28	04/28/10 20:42	7440-39-3	
Cadmium	**1.6**	mg/kg	0.056	1	04/27/10 15:28	04/28/10 20:42	7440-43-9	
Chromium	**7.6**	mg/kg	0.56	1	04/27/10 15:28	04/28/10 20:42	7440-47-3	
Lead	**61.4**	mg/kg	0.34	1	04/27/10 15:28	04/28/10 20:42	7439-92-1	
Selenium	**3.6**	mg/kg	0.85	1	04/27/10 15:28	04/28/10 20:42	7782-49-2	
Silver	ND	mg/kg	0.56	1	04/27/10 15:28	04/28/10 20:42	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	**0.067**	mg/kg	0.025	1	04/28/10 06:59	04/29/10 10:33	7439-97-6	
Dry Weight	Analytical Method: % Moisture							
Percent Moisture	**21.5**	%	0.10	1		04/27/10 00:00		
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3550							
Acenaphthene	ND	ug/kg	63.7	5	04/27/10 15:56	05/04/10 12:18	83-32-9	
Acenaphthylene	ND	ug/kg	63.7	5	04/27/10 15:56	05/04/10 12:18	208-96-8	
Anthracene	**64.9**	ug/kg	63.7	5	04/27/10 15:56	05/04/10 12:18	120-12-7	
Benzo(a)anthracene	**538**	ug/kg	63.7	5	04/27/10 15:56	05/04/10 12:18	56-55-3	
Benzo(a)pyrene	**1650**	ug/kg	63.7	5	04/27/10 15:56	05/04/10 12:18	50-32-8	
Benzo(b)fluoranthene	**2050**	ug/kg	318	25	04/27/10 15:56	05/05/10 00:44	205-99-2	
Benzo(g,h,i)perylene	**1430**	ug/kg	63.7	5	04/27/10 15:56	05/04/10 12:18	191-24-2	
Benzo(k)fluoranthene	**728**	ug/kg	63.7	5	04/27/10 15:56	05/04/10 12:18	207-08-9	
Chrysene	**751**	ug/kg	63.7	5	04/27/10 15:56	05/04/10 12:18	218-01-9	
Dibenz(a,h)anthracene	**453**	ug/kg	63.7	5	04/27/10 15:56	05/04/10 12:18	53-70-3	
Fluoranthene	**434**	ug/kg	63.7	5	04/27/10 15:56	05/04/10 12:18	206-44-0	
Fluorene	ND	ug/kg	63.7	5	04/27/10 15:56	05/04/10 12:18	86-73-7	
Indeno(1,2,3-cd)pyrene	**1030**	ug/kg	63.7	5	04/27/10 15:56	05/04/10 12:18	193-39-5	
Naphthalene	**450**	ug/kg	63.7	5	04/27/10 15:56	05/04/10 12:18	91-20-3	
Phenanthrene	**834**	ug/kg	63.7	5	04/27/10 15:56	05/04/10 12:18	85-01-8	
Pyrene	**486**	ug/kg	63.7	5	04/27/10 15:56	05/04/10 12:18	129-00-0	
2-Fluorobiphenyl (S)	66	%	48-125	5	04/27/10 15:56	05/04/10 12:18	321-60-8	D3
Terphenyl-d14 (S)	67	%	67-125	5	04/27/10 15:56	05/04/10 12:18	1718-51-0	

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ANALYTICAL RESULTS

Project: 20028 Scherer Lumber Revised.
Pace Project No.: 10127340

Sample: GP-19 (0.5-2') **Lab ID: 10127340022** Collected: 04/23/10 00:00 Received: 04/26/10 16:41 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	**10.9**	mg/kg	0.48	1	04/27/10 15:28	04/28/10 20:49	7440-38-2	
Barium	**147**	mg/kg	0.48	1	04/27/10 15:28	04/28/10 20:49	7440-39-3	
Cadmium	**2.1**	mg/kg	0.048	1	04/27/10 15:28	04/28/10 20:49	7440-43-9	
Chromium	**14.1**	mg/kg	0.48	1	04/27/10 15:28	04/28/10 20:49	7440-47-3	
Lead	**80.1**	mg/kg	0.29	1	04/27/10 15:28	04/28/10 20:49	7439-92-1	
Selenium	**2.4**	mg/kg	0.72	1	04/27/10 15:28	04/28/10 20:49	7782-49-2	
Silver	ND	mg/kg	0.48	1	04/27/10 15:28	04/28/10 20:49	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	**0.061**	mg/kg	0.023	1	04/28/10 06:59	04/29/10 10:34	7439-97-6	
Dry Weight	Analytical Method: % Moisture							
Percent Moisture	**19.9**	%	0.10	1		04/27/10 00:00		
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3550							
Acenaphthene	ND	ug/kg	62.4	5	04/27/10 15:56	05/04/10 12:37	83-32-9	
Acenaphthylene	ND	ug/kg	62.4	5	04/27/10 15:56	05/04/10 12:37	208-96-8	
Anthracene	**78.9**	ug/kg	62.4	5	04/27/10 15:56	05/04/10 12:37	120-12-7	
Benzo(a)anthracene	**285**	ug/kg	62.4	5	04/27/10 15:56	05/04/10 12:37	56-55-3	
Benzo(a)pyrene	**267**	ug/kg	62.4	5	04/27/10 15:56	05/04/10 12:37	50-32-8	
Benzo(b)fluoranthene	**437**	ug/kg	62.4	5	04/27/10 15:56	05/04/10 12:37	205-99-2	
Benzo(g,h,i)perylene	**153**	ug/kg	62.4	5	04/27/10 15:56	05/04/10 12:37	191-24-2	
Benzo(k)fluoranthene	**196**	ug/kg	62.4	5	04/27/10 15:56	05/04/10 12:37	207-08-9	
Chrysene	**255**	ug/kg	62.4	5	04/27/10 15:56	05/04/10 12:37	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	62.4	5	04/27/10 15:56	05/04/10 12:37	53-70-3	
Fluoranthene	**445**	ug/kg	62.4	5	04/27/10 15:56	05/04/10 12:37	206-44-0	
Fluorene	ND	ug/kg	62.4	5	04/27/10 15:56	05/04/10 12:37	86-73-7	
Indeno(1,2,3-cd)pyrene	**147**	ug/kg	62.4	5	04/27/10 15:56	05/04/10 12:37	193-39-5	
Naphthalene	**107**	ug/kg	62.4	5	04/27/10 15:56	05/04/10 12:37	91-20-3	
Phenanthrene	**264**	ug/kg	62.4	5	04/27/10 15:56	05/04/10 12:37	85-01-8	
Pyrene	**411**	ug/kg	62.4	5	04/27/10 15:56	05/04/10 12:37	129-00-0	
2-Fluorobiphenyl (S)	68	%	48-125	5	04/27/10 15:56	05/04/10 12:37	321-60-8	D3
Terphenyl-d14 (S)	81	%	67-125	5	04/27/10 15:56	05/04/10 12:37	1718-51-0	

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ANALYTICAL RESULTS

Project: 20028 Scherer Lumber Revised.
Pace Project No.: 10127340

Sample: GP-20 (0.5-2') **Lab ID: 10127340023** Collected: 04/23/10 00:00 Received: 04/26/10 16:41 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	**17.8**	mg/kg	0.43	1	04/27/10 15:28	04/28/10 20:55	7440-38-2	M0
Barium	**90.6**	mg/kg	0.43	1	04/27/10 15:28	04/28/10 20:55	7440-39-3	M0
Cadmium	**1.0**	mg/kg	0.043	1	04/27/10 15:28	04/28/10 20:55	7440-43-9	
Chromium	**7.7**	mg/kg	0.43	1	04/27/10 15:28	04/28/10 20:55	7440-47-3	
Lead	**64.0**	mg/kg	0.26	1	04/27/10 15:28	04/28/10 20:55	7439-92-1	
Selenium	**1.5**	mg/kg	0.64	1	04/27/10 15:28	04/28/10 20:55	7782-49-2	
Silver	ND	mg/kg	0.43	1	04/27/10 15:28	04/28/10 20:55	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	**0.063**	mg/kg	0.021	1	04/28/10 06:59	04/29/10 10:36	7439-97-6	
Dry Weight	Analytical Method: % Moisture							
Percent Moisture	**13.5**	%	0.10	1		04/28/10 00:00		
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3550							
Acenaphthene	ND	ug/kg	116	10	04/27/10 15:56	05/04/10 14:49	83-32-9	
Acenaphthylene	ND	ug/kg	116	10	04/27/10 15:56	05/04/10 14:49	208-96-8	
Anthracene	ND	ug/kg	116	10	04/27/10 15:56	05/04/10 14:49	120-12-7	
Benzo(a)anthracene	**620**	ug/kg	116	10	04/27/10 15:56	05/04/10 14:49	56-55-3	
Benzo(a)pyrene	**557**	ug/kg	116	10	04/27/10 15:56	05/04/10 14:49	50-32-8	
Benzo(b)fluoranthene	**851**	ug/kg	116	10	04/27/10 15:56	05/04/10 14:49	205-99-2	
Benzo(g,h,i)perylene	**319**	ug/kg	116	10	04/27/10 15:56	05/04/10 14:49	191-24-2	
Benzo(k)fluoranthene	**318**	ug/kg	116	10	04/27/10 15:56	05/04/10 14:49	207-08-9	
Chrysene	**762**	ug/kg	116	10	04/27/10 15:56	05/04/10 14:49	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	116	10	04/27/10 15:56	05/04/10 14:49	53-70-3	
Fluoranthene	**665**	ug/kg	116	10	04/27/10 15:56	05/04/10 14:49	206-44-0	
Fluorene	ND	ug/kg	116	10	04/27/10 15:56	05/04/10 14:49	86-73-7	
Indeno(1,2,3-cd)pyrene	**201**	ug/kg	116	10	04/27/10 15:56	05/04/10 14:49	193-39-5	
Naphthalene	**352**	ug/kg	116	10	04/27/10 15:56	05/04/10 14:49	91-20-3	
Phenanthrene	**860**	ug/kg	116	10	04/27/10 15:56	05/04/10 14:49	85-01-8	
Pyrene	**770**	ug/kg	116	10	04/27/10 15:56	05/04/10 14:49	129-00-0	
2-Fluorobiphenyl (S)	71	%	48-125	10	04/27/10 15:56	05/04/10 14:49	321-60-8	D3
Terphenyl-d14 (S)	72	%	67-125	10	04/27/10 15:56	05/04/10 14:49	1718-51-0	

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ANALYTICAL RESULTS

Project: 20028 Scherer Lumber Revised.
Pace Project No.: 10127340

Sample: Trip Blank (water) **Lab ID: 10127340024** Collected: Received: 04/26/10 16:41 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
Acetone	ND	ug/L	10.0	1		04/28/10 00:02	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		04/28/10 00:02	107-05-1	
Benzene	ND	ug/L	1.0	1		04/28/10 00:02	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		04/28/10 00:02	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		04/28/10 00:02	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		04/28/10 00:02	75-27-4	
Bromoform	ND	ug/L	8.0	1		04/28/10 00:02	75-25-2	
Bromomethane	ND	ug/L	4.0	1		04/28/10 00:02	74-83-9	L1
2-Butanone (MEK)	ND	ug/L	4.0	1		04/28/10 00:02	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		04/28/10 00:02	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		04/28/10 00:02	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		04/28/10 00:02	98-06-6	
Carbon tetrachloride	ND	ug/L	4.0	1		04/28/10 00:02	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		04/28/10 00:02	108-90-7	
Chloroethane	ND	ug/L	1.0	1		04/28/10 00:02	75-00-3	
Chloroform	ND	ug/L	1.0	1		04/28/10 00:02	67-66-3	
Chloromethane	ND	ug/L	4.0	1		04/28/10 00:02	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		04/28/10 00:02	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		04/28/10 00:02	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		04/28/10 00:02	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		04/28/10 00:02	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		04/28/10 00:02	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		04/28/10 00:02	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		04/28/10 00:02	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		04/28/10 00:02	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		04/28/10 00:02	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		04/28/10 00:02	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		04/28/10 00:02	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		04/28/10 00:02	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		04/28/10 00:02	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		04/28/10 00:02	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		04/28/10 00:02	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		04/28/10 00:02	75-43-4	
1,2-Dichloropropane	ND	ug/L	1.0	1		04/28/10 00:02	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		04/28/10 00:02	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		04/28/10 00:02	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		04/28/10 00:02	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		04/28/10 00:02	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		04/28/10 00:02	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		04/28/10 00:02	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		04/28/10 00:02	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	4.0	1		04/28/10 00:02	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		04/28/10 00:02	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		04/28/10 00:02	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		04/28/10 00:02	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	4.0	1		04/28/10 00:02	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		04/28/10 00:02	1634-04-4	

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ANALYTICAL RESULTS

Project: 20028 Scherer Lumber Revised.
Pace Project No.: 10127340

Sample: Trip Blank (water) **Lab ID: 10127340024** Collected: Received: 04/26/10 16:41 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
Naphthalene	ND	ug/L	4.0	1		04/28/10 00:02	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		04/28/10 00:02	103-65-1	
Styrene	ND	ug/L	1.0	1		04/28/10 00:02	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		04/28/10 00:02	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		04/28/10 00:02	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		04/28/10 00:02	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		04/28/10 00:02	109-99-9	
Toluene	ND	ug/L	1.0	1		04/28/10 00:02	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		04/28/10 00:02	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		04/28/10 00:02	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		04/28/10 00:02	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		04/28/10 00:02	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		04/28/10 00:02	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		04/28/10 00:02	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		04/28/10 00:02	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		04/28/10 00:02	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		04/28/10 00:02	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		04/28/10 00:02	108-67-8	
Vinyl chloride	ND	ug/L	0.40	1		04/28/10 00:02	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		04/28/10 00:02	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		04/28/10 00:02	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		04/28/10 00:02	95-47-6	
Dibromofluoromethane (S)	107	%	75-125	1		04/28/10 00:02	1868-53-7	
1,2-Dichloroethane-d4 (S)	103	%	75-125	1		04/28/10 00:02	17060-07-0	
Toluene-d8 (S)	97	%	75-125	1		04/28/10 00:02	2037-26-5	
4-Bromofluorobenzene (S)	98	%	75-125	1		04/28/10 00:02	460-00-4	

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ANALYTICAL RESULTS

Project: 20028 Scherer Lumber Revised.
Pace Project No.: 10127340

Sample: Trip Blank (soil) **Lab ID: 10127340025** Collected: Received: 04/26/10 16:41 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
Acetone	ND	ug/kg	500	1	04/28/10 09:13	04/28/10 14:02	67-64-1	
Allyl chloride	ND	ug/kg	200	1	04/28/10 09:13	04/28/10 14:02	107-05-1	
Benzene	ND	ug/kg	20.0	1	04/28/10 09:13	04/28/10 14:02	71-43-2	
Bromobenzene	ND	ug/kg	50.0	1	04/28/10 09:13	04/28/10 14:02	108-86-1	
Bromochloromethane	ND	ug/kg	50.0	1	04/28/10 09:13	04/28/10 14:02	74-97-5	
Bromodichloromethane	ND	ug/kg	50.0	1	04/28/10 09:13	04/28/10 14:02	75-27-4	
Bromoform	ND	ug/kg	400	1	04/28/10 09:13	04/28/10 14:02	75-25-2	
Bromomethane	ND	ug/kg	500	1	04/28/10 09:13	04/28/10 14:02	74-83-9	
2-Butanone (MEK)	ND	ug/kg	500	1	04/28/10 09:13	04/28/10 14:02	78-93-3	
n-Butylbenzene	ND	ug/kg	50.0	1	04/28/10 09:13	04/28/10 14:02	104-51-8	
sec-Butylbenzene	ND	ug/kg	50.0	1	04/28/10 09:13	04/28/10 14:02	135-98-8	
tert-Butylbenzene	ND	ug/kg	50.0	1	04/28/10 09:13	04/28/10 14:02	98-06-6	
Carbon tetrachloride	ND	ug/kg	200	1	04/28/10 09:13	04/28/10 14:02	56-23-5	
Chlorobenzene	ND	ug/kg	50.0	1	04/28/10 09:13	04/28/10 14:02	108-90-7	
Chloroethane	ND	ug/kg	500	1	04/28/10 09:13	04/28/10 14:02	75-00-3	
Chloroform	ND	ug/kg	50.0	1	04/28/10 09:13	04/28/10 14:02	67-66-3	
Chloromethane	ND	ug/kg	200	1	04/28/10 09:13	04/28/10 14:02	74-87-3	
2-Chlorotoluene	ND	ug/kg	50.0	1	04/28/10 09:13	04/28/10 14:02	95-49-8	
4-Chlorotoluene	ND	ug/kg	50.0	1	04/28/10 09:13	04/28/10 14:02	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	200	1	04/28/10 09:13	04/28/10 14:02	96-12-8	
Dibromochloromethane	ND	ug/kg	200	1	04/28/10 09:13	04/28/10 14:02	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	50.0	1	04/28/10 09:13	04/28/10 14:02	106-93-4	
Dibromomethane	ND	ug/kg	50.0	1	04/28/10 09:13	04/28/10 14:02	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	50.0	1	04/28/10 09:13	04/28/10 14:02	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	50.0	1	04/28/10 09:13	04/28/10 14:02	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	50.0	1	04/28/10 09:13	04/28/10 14:02	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	50.0	1	04/28/10 09:13	04/28/10 14:02	75-71-8	
1,1-Dichloroethane	ND	ug/kg	50.0	1	04/28/10 09:13	04/28/10 14:02	75-34-3	
1,2-Dichloroethane	ND	ug/kg	50.0	1	04/28/10 09:13	04/28/10 14:02	107-06-2	
1,1-Dichloroethene	ND	ug/kg	50.0	1	04/28/10 09:13	04/28/10 14:02	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	50.0	1	04/28/10 09:13	04/28/10 14:02	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	50.0	1	04/28/10 09:13	04/28/10 14:02	156-60-5	
Dichlorofluoromethane	ND	ug/kg	50.0	1	04/28/10 09:13	04/28/10 14:02	75-43-4	
1,2-Dichloropropane	ND	ug/kg	50.0	1	04/28/10 09:13	04/28/10 14:02	78-87-5	
1,3-Dichloropropane	ND	ug/kg	50.0	1	04/28/10 09:13	04/28/10 14:02	142-28-9	
2,2-Dichloropropane	ND	ug/kg	500	1	04/28/10 09:13	04/28/10 14:02	594-20-7	L1
1,1-Dichloropropene	ND	ug/kg	50.0	1	04/28/10 09:13	04/28/10 14:02	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	50.0	1	04/28/10 09:13	04/28/10 14:02	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	200	1	04/28/10 09:13	04/28/10 14:02	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/kg	200	1	04/28/10 09:13	04/28/10 14:02	60-29-7	
Ethylbenzene	ND	ug/kg	50.0	1	04/28/10 09:13	04/28/10 14:02	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	200	1	04/28/10 09:13	04/28/10 14:02	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/kg	50.0	1	04/28/10 09:13	04/28/10 14:02	98-82-8	
p-Isopropyltoluene	ND	ug/kg	50.0	1	04/28/10 09:13	04/28/10 14:02	99-87-6	
Methylene Chloride	ND	ug/kg	200	1	04/28/10 09:13	04/28/10 14:02	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	500	1	04/28/10 09:13	04/28/10 14:02	108-10-1	

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ANALYTICAL RESULTS

Project: 20028 Scherer Lumber Revised.
Pace Project No.: 10127340

Sample: Trip Blank (soil) **Lab ID: 10127340025** Collected: Received: 04/26/10 16:41 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
Methyl-tert-butyl ether	ND	ug/kg	50.0	1	04/28/10 09:13	04/28/10 14:02	1634-04-4	
Naphthalene	ND	ug/kg	200	1	04/28/10 09:13	04/28/10 14:02	91-20-3	
n-Propylbenzene	ND	ug/kg	50.0	1	04/28/10 09:13	04/28/10 14:02	103-65-1	
Styrene	ND	ug/kg	50.0	1	04/28/10 09:13	04/28/10 14:02	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	200	1	04/28/10 09:13	04/28/10 14:02	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	50.0	1	04/28/10 09:13	04/28/10 14:02	79-34-5	
Tetrachloroethene	ND	ug/kg	50.0	1	04/28/10 09:13	04/28/10 14:02	127-18-4	
Tetrahydrofuran	ND	ug/kg	500	1	04/28/10 09:13	04/28/10 14:02	109-99-9	
Toluene	ND	ug/kg	50.0	1	04/28/10 09:13	04/28/10 14:02	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	50.0	1	04/28/10 09:13	04/28/10 14:02	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	50.0	1	04/28/10 09:13	04/28/10 14:02	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	50.0	1	04/28/10 09:13	04/28/10 14:02	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	50.0	1	04/28/10 09:13	04/28/10 14:02	79-00-5	
Trichloroethene	ND	ug/kg	50.0	1	04/28/10 09:13	04/28/10 14:02	79-01-6	
Trichlorofluoromethane	ND	ug/kg	50.0	1	04/28/10 09:13	04/28/10 14:02	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	50.0	1	04/28/10 09:13	04/28/10 14:02	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	50.0	1	04/28/10 09:13	04/28/10 14:02	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/kg	50.0	1	04/28/10 09:13	04/28/10 14:02	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	50.0	1	04/28/10 09:13	04/28/10 14:02	108-67-8	
Vinyl chloride	ND	ug/kg	20.0	1	04/28/10 09:13	04/28/10 14:02	75-01-4	
Xylene (Total)	ND	ug/kg	150	1	04/28/10 09:13	04/28/10 14:02	1330-20-7	
Dibromofluoromethane (S)	116	%	61-139	1	04/28/10 09:13	04/28/10 14:02	1868-53-7	
1,2-Dichloroethane-d4 (S)	112	%	68-136	1	04/28/10 09:13	04/28/10 14:02	17060-07-0	
Toluene-d8 (S)	122	%	68-133	1	04/28/10 09:13	04/28/10 14:02	2037-26-5	
4-Bromofluorobenzene (S)	124	%	68-126	1	04/28/10 09:13	04/28/10 14:02	460-00-4	

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QUALITY CONTROL DATA

Project: 20028 Scherer Lumber Revised.
Pace Project No.: 10127340

QC Batch: OEXT/12796 Analysis Method: WI MOD DRO
QC Batch Method: WI MOD DRO Analysis Description: WIDRO GCS
Associated Lab Samples: 10127340013, 10127340014, 10127340015, 10127340016

METHOD BLANK: 780614 Matrix: Solid
Associated Lab Samples: 10127340013, 10127340014, 10127340015, 10127340016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Range Organics	mg/kg	ND	5.0	04/28/10 14:32	
n-Triacontane (S)	%	75	50-150	04/28/10 14:32	

LABORATORY CONTROL SAMPLE & LCSD: 780615 780616

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Diesel Range Organics	mg/kg	80	59.7	64.0	75	80	70-120	7	20	
n-Triacontane (S)	%				82	84	50-150			

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QUALITY CONTROL DATA

Project: 20028 Scherer Lumber Revised.
Pace Project No.: 10127340

QC Batch: OEXT/12797 Analysis Method: WI MOD DRO
QC Batch Method: WI MOD DRO Analysis Description: WIDRO GCS
Associated Lab Samples: 10127340001, 10127340002

METHOD BLANK: 780757 Matrix: Water
Associated Lab Samples: 10127340001, 10127340002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Range Organics	mg/L	ND	0.10	04/28/10 17:27	
n-Triacontane (S)	%	88	50-150	04/28/10 17:27	

LABORATORY CONTROL SAMPLE & LCSD: 780758 780759

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Diesel Range Organics	mg/L	2	1.7	1.7	86	84	75-115	3	20	
n-Triacontane (S)	%				97	99	50-150			

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QUALITY CONTROL DATA

Project: 20028 Scherer Lumber Revised.
Pace Project No.: 10127340

QC Batch: MPRP/20178 Analysis Method: EPA 6010
QC Batch Method: EPA 3050 Analysis Description: 6010 MET
Associated Lab Samples: 10127340003, 10127340004, 10127340005, 10127340006, 10127340007, 10127340008, 10127340009, 10127340010, 10127340011, 10127340012, 10127340013, 10127340015, 10127340016, 10127340017, 10127340018, 10127340019, 10127340020, 10127340021, 10127340022, 10127340023

METHOD BLANK: 780472 Matrix: Solid
Associated Lab Samples: 10127340003, 10127340004, 10127340005, 10127340006, 10127340007, 10127340008, 10127340009, 10127340010, 10127340011, 10127340012, 10127340013, 10127340015, 10127340016, 10127340017, 10127340018, 10127340019, 10127340020, 10127340021, 10127340022, 10127340023

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/kg	ND	0.44	04/28/10 18:10	
Barium	mg/kg	ND	0.44	04/28/10 18:10	
Cadmium	mg/kg	ND	0.044	04/28/10 18:10	
Chromium	mg/kg	ND	0.44	04/28/10 18:10	
Lead	mg/kg	ND	0.27	04/28/10 18:10	
Selenium	mg/kg	ND	0.66	04/28/10 18:10	
Silver	mg/kg	ND	0.44	04/28/10 18:10	

LABORATORY CONTROL SAMPLE: 780473

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	37.6	33.8	90	80-120	
Barium	mg/kg	37.6	36.0	96	80-120	
Cadmium	mg/kg	37.6	33.7	90	80-120	
Chromium	mg/kg	37.6	35.9	96	80-120	
Lead	mg/kg	37.6	34.3	91	80-120	
Selenium	mg/kg	37.6	32.7	87	80-120	
Silver	mg/kg	18.8	16.7	89	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 780474 780475

Parameter	Units	10127340003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/kg	6.4	48.6	42	50.9	45.8	92	94	75-125	11	30	
Barium	mg/kg	65.1	48.6	42	119	95.1	112	71	75-125	23	30	M0
Cadmium	mg/kg	0.86	48.6	42	45.9	40.4	93	94	75-125	13	30	
Chromium	mg/kg	8.4	48.6	42	54.9	49.9	96	99	75-125	10	30	
Lead	mg/kg	28.9	48.6	42	74.6	68.4	94	94	75-125	9	30	
Selenium	mg/kg	1.4	48.6	42	40.4	35.6	80	82	75-125	13	30	
Silver	mg/kg	ND	24.3	20.9	21.6	18.8	89	89	75-125	14	30	

MATRIX SPIKE SAMPLE: 780476

Parameter	Units	10127340023 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	17.8	53.5	57.6	74	75-125	M0

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QUALITY CONTROL DATA

Project: 20028 Scherer Lumber Revised.
Pace Project No.: 10127340

MATRIX SPIKE SAMPLE: 780476

Parameter	Units	10127340023 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Barium	mg/kg	90.6	53.5	126	65	75-125	M0
Cadmium	mg/kg	1.0	53.5	48.7	89	75-125	
Chromium	mg/kg	7.7	53.5	57.7	93	75-125	
Lead	mg/kg	64.0	53.5	117	99	75-125	
Selenium	mg/kg	1.5	53.5	43.4	78	75-125	
Silver	mg/kg	ND	26.7	24.1	90	75-125	

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QUALITY CONTROL DATA

Project: 20028 Scherer Lumber Revised.
Pace Project No.: 10127340

QC Batch: MPRP/20410 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET TCLP
Associated Lab Samples: 10127340009, 10127340017

METHOD BLANK: 788057 Matrix: Water
Associated Lab Samples: 10127340009, 10127340017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	mg/L	ND	0.015	05/12/10 11:07	

LABORATORY CONTROL SAMPLE: 788058

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	mg/L	1	0.88	88	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 788059 788060

Parameter	Units	10127340009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	mg/L	0.43	1	1	1.3	1.2	85	74	75-125	9	30	M0

MATRIX SPIKE SAMPLE: 788282

Parameter	Units	10127891002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	mg/L	0.11	1	1.1	101	75-125	

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QUALITY CONTROL DATA

Project: 20028 Scherer Lumber Revised.
Pace Project No.: 10127340

QC Batch: MERP/4406 Analysis Method: EPA 7471
QC Batch Method: EPA 7471 Analysis Description: 7471 Mercury
Associated Lab Samples: 10127340003, 10127340004, 10127340005, 10127340006, 10127340007, 10127340008, 10127340009, 10127340010, 10127340011, 10127340012, 10127340013, 10127340015, 10127340016, 10127340017, 10127340018, 10127340019, 10127340020, 10127340021, 10127340022, 10127340023

METHOD BLANK: 780773 Matrix: Solid
Associated Lab Samples: 10127340003, 10127340004, 10127340005, 10127340006, 10127340007, 10127340008, 10127340009, 10127340010, 10127340011, 10127340012, 10127340013, 10127340015, 10127340016, 10127340017, 10127340018, 10127340019, 10127340020, 10127340021, 10127340022, 10127340023

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	ND	0.019	04/29/10 09:50	

LABORATORY CONTROL SAMPLE: 780774

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	.43	0.45	106	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 780775 780776

Parameter	Units	10127340003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	0.050	.52	.52	0.63	0.63	112	112	80-120	.04	20	

MATRIX SPIKE SAMPLE: 780777

Parameter	Units	10127340023 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.063	.52	0.56	95	80-120	

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QUALITY CONTROL DATA

Project: 20028 Scherer Lumber Revised.
Pace Project No.: 10127340

QC Batch: MPRP/20179
QC Batch Method: % Moisture
Analysis Method: % Moisture
Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 10127340003

SAMPLE DUPLICATE: 780500

Parameter	Units	10127303004 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	13.2	12.5	6	30	

SAMPLE DUPLICATE: 780501

Parameter	Units	10127340003 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	9.8	9.8	.5	30	

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QUALITY CONTROL DATA

Project: 20028 Scherer Lumber Revised.
Pace Project No.: 10127340

QC Batch: MPRP/20180 Analysis Method: % Moisture
QC Batch Method: % Moisture Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 10127340004, 10127340005, 10127340006, 10127340007, 10127340008, 10127340009, 10127340010, 10127340011, 10127340012, 10127340013, 10127340014, 10127340015, 10127340016, 10127340017, 10127340018, 10127340019, 10127340020, 10127340021, 10127340022

SAMPLE DUPLICATE: 780559

Parameter	Units	10127398001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	26.7	25.0	7	30	

SAMPLE DUPLICATE: 780560

Parameter	Units	10127340022 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	19.9	20.2	2	30	

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QUALITY CONTROL DATA

Project: 20028 Scherer Lumber Revised.
Pace Project No.: 10127340

QC Batch: MPRP/20192
QC Batch Method: % Moisture
Associated Lab Samples: 10127340023

Analysis Method: % Moisture
Analysis Description: Dry Weight/Percent Moisture

SAMPLE DUPLICATE: 781001

Parameter	Units	10126365001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	5.0	27.5	.5	30	

SAMPLE DUPLICATE: 781002

Parameter	Units	10127169007 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	24.1	24.0	.7	30	

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QUALITY CONTROL DATA

Project: 20028 Scherer Lumber Revised.
Pace Project No.: 10127340

QC Batch: OEXT/12790 Analysis Method: EPA 8270 by SIM
QC Batch Method: EPA 3550 Analysis Description: 8270 Soild PAH by SIM MSSV
Associated Lab Samples: 10127340003, 10127340004

METHOD BLANK: 780296 Matrix: Solid
Associated Lab Samples: 10127340003, 10127340004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Acenaphthene	ug/kg	ND	10.0	04/30/10 11:54	
Acenaphthylene	ug/kg	ND	10.0	04/30/10 11:54	
Anthracene	ug/kg	ND	10.0	04/30/10 11:54	
Benzo(a)anthracene	ug/kg	ND	10.0	04/30/10 11:54	
Benzo(a)pyrene	ug/kg	ND	10.0	04/30/10 11:54	
Benzo(b)fluoranthene	ug/kg	ND	10.0	04/30/10 11:54	
Benzo(g,h,i)perylene	ug/kg	ND	10.0	04/30/10 11:54	
Benzo(k)fluoranthene	ug/kg	ND	10.0	04/30/10 11:54	
Chrysene	ug/kg	ND	10.0	04/30/10 11:54	
Dibenz(a,h)anthracene	ug/kg	ND	10.0	04/30/10 11:54	
Fluoranthene	ug/kg	ND	10.0	04/30/10 11:54	
Fluorene	ug/kg	ND	10.0	04/30/10 11:54	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	10.0	04/30/10 11:54	
Naphthalene	ug/kg	ND	10.0	04/30/10 11:54	
Phenanthrene	ug/kg	ND	10.0	04/30/10 11:54	
Pyrene	ug/kg	ND	10.0	04/30/10 11:54	
2-Fluorobiphenyl (S)	%	67	48-125	04/30/10 11:54	
Terphenyl-d14 (S)	%	70	67-125	04/30/10 11:54	

LABORATORY CONTROL SAMPLE: 780297

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Acenaphthene	ug/kg	33.3	26.0	78	36-125	
Acenaphthylene	ug/kg	33.3	26.6	80	30-125	
Anthracene	ug/kg	33.3	27.8	83	38-125	
Benzo(a)anthracene	ug/kg	33.3	24.3	73	44-125	
Benzo(a)pyrene	ug/kg	33.3	30.8	92	33-125	
Benzo(b)fluoranthene	ug/kg	33.3	37.6	113	45-127	
Benzo(g,h,i)perylene	ug/kg	33.3	34.9	105	30-130	
Benzo(k)fluoranthene	ug/kg	33.3	40.1	120	42-133	
Chrysene	ug/kg	33.3	28.6	86	48-125	
Dibenz(a,h)anthracene	ug/kg	33.3	36.8	110	30-136	
Fluoranthene	ug/kg	33.3	28.3	85	37-137	
Fluorene	ug/kg	33.3	27.0	81	41-125	
Indeno(1,2,3-cd)pyrene	ug/kg	33.3	35.3	106	30-132	
Naphthalene	ug/kg	33.3	25.3	76	35-125	
Phenanthrene	ug/kg	33.3	27.7	83	47-125	
Pyrene	ug/kg	33.3	25.6	77	48-125	
2-Fluorobiphenyl (S)	%			64	48-125	
Terphenyl-d14 (S)	%			70	67-125	

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QUALITY CONTROL DATA

Project: 20028 Scherer Lumber Revised.
Pace Project No.: 10127340

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 780298 780299

Parameter	Units	10127176001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Acenaphthene	ug/kg	ND	40.8	40.8	35.2	34.7	86	85	30-150	1	30	
Acenaphthylene	ug/kg	ND	40.8	40.8	36.5	35.5	89	87	30-150	3	30	
Anthracene	ug/kg	ND	40.8	40.8	38.1	35.8	93	88	30-150	6	30	
Benzo(a)anthracene	ug/kg	ND	40.8	40.8	46.9	44.7	115	110	30-150	5	30	
Benzo(a)pyrene	ug/kg	ND	40.8	40.8	43.3	39.6	106	97	30-150	9	30	
Benzo(b)fluoranthene	ug/kg	14.9	40.8	40.8	61.6	57.0	115	103	30-150	8	30	
Benzo(g,h,i)perylene	ug/kg	ND	40.8	40.8	29.2	25.1	72	61	30-150	15	30	
Benzo(k)fluoranthene	ug/kg	ND	40.8	40.8	38.4	37.5	94	92	30-150	2	30	
Chrysene	ug/kg	ND	40.8	40.8	42.5	39.8	104	98	30-150	6	30	
Dibenz(a,h)anthracene	ug/kg	ND	40.8	40.8	29.2	24.8	71	61	30-150	16	30	
Fluoranthene	ug/kg	14.2	40.8	40.8	57.7	57.1	107	105	30-150	1	30	
Fluorene	ug/kg	ND	40.8	40.8	37.4	36.4	92	89	30-150	3	30	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	40.8	40.8	29.7	26.5	73	65	30-150	12	30	
Naphthalene	ug/kg	ND	40.8	40.8	30.5	30.4	75	74	30-150	.4	30	
Phenanthrene	ug/kg	ND	40.8	40.8	47.3	46.8	116	115	30-150	.9	30	
Pyrene	ug/kg	ND	40.8	40.8	49.2	48.7	120	119	30-150	1	30	
2-Fluorobiphenyl (S)	%						65	64	48-125			
Terphenyl-d14 (S)	%						67	67	67-125			

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QUALITY CONTROL DATA

Project: 20028 Scherer Lumber Revised.
Pace Project No.: 10127340

QC Batch: OEXT/12795 Analysis Method: EPA 8270 by SIM
QC Batch Method: EPA 3550 Analysis Description: 8270 Soild PAH by SIM MSSV
Associated Lab Samples: 10127340005, 10127340006, 10127340007, 10127340008, 10127340009, 10127340010, 10127340011, 10127340012, 10127340013, 10127340015, 10127340016, 10127340017, 10127340018, 10127340019, 10127340020, 10127340021, 10127340022, 10127340023

METHOD BLANK: 780610 Matrix: Solid
Associated Lab Samples: 10127340005, 10127340006, 10127340007, 10127340008, 10127340009, 10127340010, 10127340011, 10127340012, 10127340013, 10127340015, 10127340016, 10127340017, 10127340018, 10127340019, 10127340020, 10127340021, 10127340022, 10127340023

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Acenaphthene	ug/kg	ND	10.0	05/03/10 09:26	
Acenaphthylene	ug/kg	ND	10.0	05/03/10 09:26	
Anthracene	ug/kg	ND	10.0	05/03/10 09:26	
Benzo(a)anthracene	ug/kg	ND	10.0	05/03/10 09:26	
Benzo(a)pyrene	ug/kg	ND	10.0	05/03/10 09:26	
Benzo(b)fluoranthene	ug/kg	ND	10.0	05/03/10 09:26	
Benzo(g,h,i)perylene	ug/kg	ND	10.0	05/03/10 09:26	
Benzo(k)fluoranthene	ug/kg	ND	10.0	05/03/10 09:26	
Chrysene	ug/kg	ND	10.0	05/03/10 09:26	
Dibenz(a,h)anthracene	ug/kg	ND	10.0	05/03/10 09:26	
Fluoranthene	ug/kg	ND	10.0	05/03/10 09:26	
Fluorene	ug/kg	ND	10.0	05/03/10 09:26	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	10.0	05/03/10 09:26	
Naphthalene	ug/kg	ND	10.0	05/03/10 09:26	
Phenanthrene	ug/kg	ND	10.0	05/03/10 09:26	
Pyrene	ug/kg	ND	10.0	05/03/10 09:26	
2-Fluorobiphenyl (S)	%	72	48-125	05/03/10 09:26	
Terphenyl-d14 (S)	%	72	67-125	05/03/10 09:26	

LABORATORY CONTROL SAMPLE: 780611

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Acenaphthene	ug/kg	33.3	28.4	85	36-125	
Acenaphthylene	ug/kg	33.3	29.4	88	30-125	
Anthracene	ug/kg	33.3	27.8	83	38-125	
Benzo(a)anthracene	ug/kg	33.3	27.5	82	44-125	
Benzo(a)pyrene	ug/kg	33.3	29.6	89	33-125	
Benzo(b)fluoranthene	ug/kg	33.3	30.4	91	45-127	
Benzo(g,h,i)perylene	ug/kg	33.3	29.7	89	30-130	
Benzo(k)fluoranthene	ug/kg	33.3	32.7	98	42-133	
Chrysene	ug/kg	33.3	28.4	85	48-125	
Dibenz(a,h)anthracene	ug/kg	33.3	30.0	90	30-136	
Fluoranthene	ug/kg	33.3	29.9	90	37-137	
Fluorene	ug/kg	33.3	28.3	85	41-125	
Indeno(1,2,3-cd)pyrene	ug/kg	33.3	29.0	87	30-132	
Naphthalene	ug/kg	33.3	27.3	82	35-125	
Phenanthrene	ug/kg	33.3	27.0	81	47-125	
Pyrene	ug/kg	33.3	26.0	78	48-125	

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QUALITY CONTROL DATA

Project: 20028 Scherer Lumber Revised.
Pace Project No.: 10127340

LABORATORY CONTROL SAMPLE: 780611

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Fluorobiphenyl (S)	%			72	48-125	
Terphenyl-d14 (S)	%			72	67-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 780612 780613

Parameter	Units	10127340005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Acenaphthene	ug/kg	1480	49.3	49.3	542	219	-1900	-2550	30-150	85	30	E,M0, R1
Acenaphthylene	ug/kg	195	49.3	49.3	66.3	42.2	-261	-310	30-150	45	30	M0,R1
Anthracene	ug/kg	4330	49.3	49.3	869	402	-7020	-7960	30-150	73	30	E,M0, R1
Benzo(a)anthracene	ug/kg	10400	49.3	49.3	2240	1480	-16500	-18100	30-150	41	30	E,M0, R1
Benzo(a)pyrene	ug/kg	7330	49.3	49.3	2930	1350	-8920	-12100	30-150	74	30	E,M0, R1
Benzo(b)fluoranthene	ug/kg	10100	49.3	49.3	4710	2000	-10900	-16400	30-150	81	30	E,M0, R1
Benzo(g,h,i)perylene	ug/kg	5170	49.3	49.3	1430	717	-7560	-9010	30-150	67	30	E,M0, R1
Benzo(k)fluoranthene	ug/kg	3390	49.3	49.3	1430	737	-3970	-5380	30-150	64	30	E,M0, R1
Chrysene	ug/kg	7580	49.3	49.3	1640	1040	-12000	-13300	30-150	45	30	E,M0, R1
Dibenz(a,h)anthracene	ug/kg	1580	49.3	49.3	516	221	-2150	-2750	30-150	80	30	E,M0, R1
Fluoranthene	ug/kg	18500	49.3	49.3	3540	2640	-30300	-32100	30-150	29	30	E,M0
Fluorene	ug/kg	1270	49.3	49.3	447	194	-1660	-2170	30-150	79	30	M0,R1
Indeno(1,2,3-cd)pyrene	ug/kg	4050	49.3	49.3	1290	630	-5580	-6920	30-150	69	30	E,M0, R1
Naphthalene	ug/kg	208	49.3	49.3	84.1	34.8	-252	-352	30-150	83	30	M0,R1
Phenanthrene	ug/kg	15500	49.3	49.3	3710	2440	-23900	-26500	30-150	41	30	E,M0, R1
Pyrene	ug/kg	17300	49.3	49.3	2200	2070	-30600	-30800	30-150	6	30	E,M0
2-Fluorobiphenyl (S)	%						14	14	48-125			S0
Terphenyl-d14 (S)	%						10	11	67-125			S0

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QUALITY CONTROL DATA

Project: 20028 Scherer Lumber Revised.
Pace Project No.: 10127340

QC Batch: MSV/14363 Analysis Method: EPA 8260
QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV 5030 Med Level
Associated Lab Samples: 10127340009, 10127340014, 10127340025

METHOD BLANK: 780947 Matrix: Solid
Associated Lab Samples: 10127340009, 10127340014, 10127340025

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	200	04/28/10 13:42	
1,1,1-Trichloroethane	ug/kg	ND	50.0	04/28/10 13:42	
1,1,2,2-Tetrachloroethane	ug/kg	ND	50.0	04/28/10 13:42	
1,1,2-Trichloroethane	ug/kg	ND	50.0	04/28/10 13:42	
1,1,2-Trichlorotrifluoroethane	ug/kg	ND	50.0	04/28/10 13:42	
1,1-Dichloroethane	ug/kg	ND	50.0	04/28/10 13:42	
1,1-Dichloroethene	ug/kg	ND	50.0	04/28/10 13:42	
1,1-Dichloropropene	ug/kg	ND	50.0	04/28/10 13:42	
1,2,3-Trichlorobenzene	ug/kg	ND	50.0	04/28/10 13:42	
1,2,3-Trichloropropane	ug/kg	ND	50.0	04/28/10 13:42	
1,2,4-Trichlorobenzene	ug/kg	ND	50.0	04/28/10 13:42	
1,2,4-Trimethylbenzene	ug/kg	ND	50.0	04/28/10 13:42	
1,2-Dibromo-3-chloropropane	ug/kg	ND	200	04/28/10 13:42	
1,2-Dibromoethane (EDB)	ug/kg	ND	50.0	04/28/10 13:42	
1,2-Dichlorobenzene	ug/kg	ND	50.0	04/28/10 13:42	
1,2-Dichloroethane	ug/kg	ND	50.0	04/28/10 13:42	
1,2-Dichloropropane	ug/kg	ND	50.0	04/28/10 13:42	
1,3,5-Trimethylbenzene	ug/kg	ND	50.0	04/28/10 13:42	
1,3-Dichlorobenzene	ug/kg	ND	50.0	04/28/10 13:42	
1,3-Dichloropropane	ug/kg	ND	50.0	04/28/10 13:42	
1,4-Dichlorobenzene	ug/kg	ND	50.0	04/28/10 13:42	
2,2-Dichloropropane	ug/kg	ND	500	04/28/10 13:42	
2-Butanone (MEK)	ug/kg	ND	500	04/28/10 13:42	
2-Chlorotoluene	ug/kg	ND	50.0	04/28/10 13:42	
4-Chlorotoluene	ug/kg	ND	50.0	04/28/10 13:42	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	500	04/28/10 13:42	
Acetone	ug/kg	ND	500	04/28/10 13:42	
Allyl chloride	ug/kg	ND	200	04/28/10 13:42	
Benzene	ug/kg	ND	20.0	04/28/10 13:42	
Bromobenzene	ug/kg	ND	50.0	04/28/10 13:42	
Bromochloromethane	ug/kg	ND	50.0	04/28/10 13:42	
Bromodichloromethane	ug/kg	ND	50.0	04/28/10 13:42	
Bromoform	ug/kg	ND	400	04/28/10 13:42	
Bromomethane	ug/kg	ND	500	04/28/10 13:42	
Carbon tetrachloride	ug/kg	ND	200	04/28/10 13:42	
Chlorobenzene	ug/kg	ND	50.0	04/28/10 13:42	
Chloroethane	ug/kg	ND	500	04/28/10 13:42	
Chloroform	ug/kg	ND	50.0	04/28/10 13:42	
Chloromethane	ug/kg	ND	200	04/28/10 13:42	
cis-1,2-Dichloroethene	ug/kg	ND	50.0	04/28/10 13:42	
cis-1,3-Dichloropropene	ug/kg	ND	50.0	04/28/10 13:42	
Dibromochloromethane	ug/kg	ND	200	04/28/10 13:42	
Dibromomethane	ug/kg	ND	50.0	04/28/10 13:42	

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QUALITY CONTROL DATA

Project: 20028 Scherer Lumber Revised.
Pace Project No.: 10127340

METHOD BLANK: 780947 Matrix: Solid

Associated Lab Samples: 10127340009, 10127340014, 10127340025

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dichlorodifluoromethane	ug/kg	ND	50.0	04/28/10 13:42	
Dichlorofluoromethane	ug/kg	ND	50.0	04/28/10 13:42	
Diethyl ether (Ethyl ether)	ug/kg	ND	200	04/28/10 13:42	
Ethylbenzene	ug/kg	ND	50.0	04/28/10 13:42	
Hexachloro-1,3-butadiene	ug/kg	ND	200	04/28/10 13:42	
Isopropylbenzene (Cumene)	ug/kg	ND	50.0	04/28/10 13:42	
Methyl-tert-butyl ether	ug/kg	ND	50.0	04/28/10 13:42	
Methylene Chloride	ug/kg	ND	200	04/28/10 13:42	
n-Butylbenzene	ug/kg	ND	50.0	04/28/10 13:42	
n-Propylbenzene	ug/kg	ND	50.0	04/28/10 13:42	
Naphthalene	ug/kg	ND	200	04/28/10 13:42	
p-Isopropyltoluene	ug/kg	ND	50.0	04/28/10 13:42	
sec-Butylbenzene	ug/kg	ND	50.0	04/28/10 13:42	
Styrene	ug/kg	ND	50.0	04/28/10 13:42	
tert-Butylbenzene	ug/kg	ND	50.0	04/28/10 13:42	
Tetrachloroethene	ug/kg	ND	50.0	04/28/10 13:42	
Tetrahydrofuran	ug/kg	ND	500	04/28/10 13:42	
Toluene	ug/kg	ND	50.0	04/28/10 13:42	
trans-1,2-Dichloroethene	ug/kg	ND	50.0	04/28/10 13:42	
trans-1,3-Dichloropropene	ug/kg	ND	200	04/28/10 13:42	
Trichloroethene	ug/kg	ND	50.0	04/28/10 13:42	
Trichlorofluoromethane	ug/kg	ND	50.0	04/28/10 13:42	
Vinyl chloride	ug/kg	ND	20.0	04/28/10 13:42	
Xylene (Total)	ug/kg	ND	150	04/28/10 13:42	
1,2-Dichloroethane-d4 (S)	%	104	68-136	04/28/10 13:42	
4-Bromofluorobenzene (S)	%	116	68-126	04/28/10 13:42	
Dibromofluoromethane (S)	%	108	61-139	04/28/10 13:42	
Toluene-d8 (S)	%	112	68-133	04/28/10 13:42	

LABORATORY CONTROL SAMPLE & LCSD: 780948 780949

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	1000	933	948	93	95	75-125	2	20	
1,1,1-Trichloroethane	ug/kg	1000	1020	1080	102	108	75-130	5	20	
1,1,2,2-Tetrachloroethane	ug/kg	1000	1080	1120	108	112	70-139	3	20	
1,1,2-Trichloroethane	ug/kg	1000	957	984	96	98	75-125	3	20	
1,1,2-Trichlorotrifluoroethane	ug/kg	1000	957	944	96	94	58-142	1	20	
1,1-Dichloroethane	ug/kg	1000	962	1020	96	102	75-126	6	20	
1,1-Dichloroethene	ug/kg	1000	1010	1050	101	105	71-127	4	20	
1,1-Dichloropropene	ug/kg	1000	997	1050	100	105	75-125	5	20	
1,2,3-Trichlorobenzene	ug/kg	1000	1110	1060	111	106	75-133	4	20	
1,2,3-Trichloropropane	ug/kg	1000	840	929	84	93	75-126	10	20	
1,2,4-Trichlorobenzene	ug/kg	1000	1110	1090	111	109	75-134	2	20	
1,2,4-Trimethylbenzene	ug/kg	1000	1030	1050	103	105	75-136	3	20	
1,2-Dibromo-3-chloropropane	ug/kg	1000	852	755	85	75	69-136	12	20	

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QUALITY CONTROL DATA

Project: 20028 Scherer Lumber Revised.
Pace Project No.: 10127340

LABORATORY CONTROL SAMPLE & LCSD: 780948 780949

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/kg	1000	935	954	94	95	75-125	2	20	
1,2-Dichlorobenzene	ug/kg	1000	968	980	97	98	75-125	1	20	
1,2-Dichloroethane	ug/kg	1000	943	952	94	95	75-135	.9	20	
1,2-Dichloropropane	ug/kg	1000	929	945	93	95	75-125	2	20	
1,3,5-Trimethylbenzene	ug/kg	1000	1050	1070	105	107	75-136	2	20	
1,3-Dichlorobenzene	ug/kg	1000	1020	1070	102	107	75-125	5	20	
1,3-Dichloropropane	ug/kg	1000	941	977	94	98	75-125	4	20	
1,4-Dichlorobenzene	ug/kg	1000	1010	1000	101	100	75-125	.4	20	
2,2-Dichloropropane	ug/kg	1000	1790	1820	179	182	30-150	2	20	CH,L0
2-Butanone (MEK)	ug/kg	1000	984	999	98	100	49-149	1	20	
2-Chlorotoluene	ug/kg	1000	1010	1020	101	102	75-125	1	20	
4-Chlorotoluene	ug/kg	1000	1050	1090	105	109	75-126	4	20	
4-Methyl-2-pentanone (MIBK)	ug/kg	1000	930	985	93	99	73-134	6	20	
Acetone	ug/kg	2500	2160	2230	86	89	57-150	3	20	
Allyl chloride	ug/kg	1000	1050	1040	105	104	69-139	.8	20	
Benzene	ug/kg	1000	969	1010	97	101	75-130	4	20	
Bromobenzene	ug/kg	1000	1020	1090	102	109	75-125	6	20	
Bromochloromethane	ug/kg	1000	1040	1080	104	108	75-125	4	20	
Bromodichloromethane	ug/kg	1000	915	947	92	95	75-130	3	20	
Bromoform	ug/kg	2000	1600	1710	80	86	75-128	7	20	
Bromomethane	ug/kg	1000	1070	1050	107	105	47-150	2	20	
Carbon tetrachloride	ug/kg	1000	1170	1210	117	121	67-138	3	20	
Chlorobenzene	ug/kg	1000	987	1000	99	100	75-125	2	20	
Chloroethane	ug/kg	1000	996	874	100	87	54-150	13	20	
Chloroform	ug/kg	1000	941	978	94	98	75-131	4	20	
Chloromethane	ug/kg	1000	914	950	91	95	65-126	4	20	
cis-1,2-Dichloroethene	ug/kg	1000	1030	1040	103	104	75-125	.5	20	
cis-1,3-Dichloropropene	ug/kg	1000	1060	1080	106	108	75-125	2	20	
Dibromochloromethane	ug/kg	1000	874	893	87	89	75-125	2	20	
Dibromomethane	ug/kg	1000	963	1000	96	100	75-125	4	20	
Dichlorodifluoromethane	ug/kg	1000	1040	1040	104	104	37-125	.07	20	
Dichlorofluoromethane	ug/kg	1000	959	983	96	98	30-150	2	20	
Diethyl ether (Ethyl ether)	ug/kg	1000	971	1010	97	101	67-135	4	20	
Ethylbenzene	ug/kg	1000	1040	1040	104	104	75-125	.2	20	
Hexachloro-1,3-butadiene	ug/kg	1000	1130	1130	113	113	75-150	.02	20	
Isopropylbenzene (Cumene)	ug/kg	1000	1020	1050	102	105	75-125	3	20	
Methyl-tert-butyl ether	ug/kg	1000	876	921	88	92	75-133	5	20	
Methylene Chloride	ug/kg	1000	964	972	96	97	75-130	.7	20	
n-Butylbenzene	ug/kg	1000	1130	1130	113	113	75-138	.4	20	
n-Propylbenzene	ug/kg	1000	1090	1090	109	109	75-129	.008	20	
Naphthalene	ug/kg	1000	1090	1070	109	107	73-128	2	20	
p-Isopropyltoluene	ug/kg	1000	1070	1080	107	108	75-134	.9	20	
sec-Butylbenzene	ug/kg	1000	1070	1090	107	109	75-133	2	20	
Styrene	ug/kg	1000	1000	1010	100	101	75-125	.7	20	
tert-Butylbenzene	ug/kg	1000	1070	1090	107	109	75-130	2	20	
Tetrachloroethene	ug/kg	1000	1030	1030	103	103	75-125	.4	20	
Tetrahydrofuran	ug/kg	10000	9010	9560	90	96	75-133	6	20	
Toluene	ug/kg	1000	1020	1040	102	104	75-125	2	20	

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QUALITY CONTROL DATA

Project: 20028 Scherer Lumber Revised.
Pace Project No.: 10127340

LABORATORY CONTROL SAMPLE & LCSD: 780948 780949

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
trans-1,2-Dichloroethene	ug/kg	1000	967	1030	97	103	75-125	6	20	
trans-1,3-Dichloropropene	ug/kg	1000	1010	1020	101	102	65-129	.8	20	
Trichloroethene	ug/kg	1000	931	915	93	92	75-132	2	20	
Trichlorofluoromethane	ug/kg	1000	1060	1070	106	107	30-150	2	20	
Vinyl chloride	ug/kg	1000	1010	1020	101	102	65-125	2	20	
Xylene (Total)	ug/kg	3000	3070	3130	102	104	75-125	2	20	
1,2-Dichloroethane-d4 (S)	%				97	100	68-136			
4-Bromofluorobenzene (S)	%				107	111	68-126			
Dibromofluoromethane (S)	%				105	107	61-139			
Toluene-d8 (S)	%				108	109	68-133			

MATRIX SPIKE SAMPLE: 780950

Parameter	Units	10127424001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	1250	1190	95	74-133	
1,1,1-Trichloroethane	ug/kg	ND	1250	1320	105	73-150	
1,1,2,2-Tetrachloroethane	ug/kg	ND	1250	1410	113	65-145	
1,1,2-Trichloroethane	ug/kg	ND	1250	1250	100	71-145	
1,1,2-Trichlorotrifluoroethane	ug/kg	ND	1250	1190	95	30-150	
1,1-Dichloroethane	ug/kg	ND	1250	1210	97	71-150	
1,1-Dichloroethene	ug/kg	ND	1250	1330	106	75-150	
1,1-Dichloropropene	ug/kg	ND	1250	1300	104	30-150	
1,2,3-Trichlorobenzene	ug/kg	ND	1250	1340	107	30-150	
1,2,3-Trichloropropane	ug/kg	ND	1250	1120	90	30-150	
1,2,4-Trichlorobenzene	ug/kg	ND	1250	1310	104	75-145	
1,2,4-Trimethylbenzene	ug/kg	ND	1250	1310	104	71-150	
1,2-Dibromo-3-chloropropane	ug/kg	ND	1250	1070	86	65-136	
1,2-Dibromoethane (EDB)	ug/kg	ND	1250	1220	97	75-145	
1,2-Dichlorobenzene	ug/kg	ND	1250	1230	98	75-140	
1,2-Dichloroethane	ug/kg	ND	1250	1200	96	73-146	
1,2-Dichloropropane	ug/kg	ND	1250	1190	95	75-147	
1,3,5-Trimethylbenzene	ug/kg	ND	1250	1320	105	70-150	
1,3-Dichlorobenzene	ug/kg	ND	1250	1300	103	75-141	
1,3-Dichloropropane	ug/kg	ND	1250	1230	98	30-150	
1,4-Dichlorobenzene	ug/kg	ND	1250	1250	100	75-139	
2,2-Dichloropropane	ug/kg	ND	1250	2200	176	30-150	CH,M0
2-Butanone (MEK)	ug/kg	ND	1250	1150	91	41-150	
2-Chlorotoluene	ug/kg	ND	1250	1280	102	30-150	
4-Chlorotoluene	ug/kg	ND	1250	1350	108	30-150	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	1250	1220	97	60-150	
Acetone	ug/kg	ND	3130	2960	94	51-150	
Allyl chloride	ug/kg	ND	1250	1350	108	30-150	
Benzene	ug/kg	ND	1250	1250	100	73-150	
Bromobenzene	ug/kg	ND	1250	1290	103	30-150	
Bromochloromethane	ug/kg	ND	1250	1300	103	30-150	
Bromodichloromethane	ug/kg	ND	1250	1190	95	71-138	
Bromoform	ug/kg	ND	2510	2100	84	64-128	

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QUALITY CONTROL DATA

Project: 20028 Scherer Lumber Revised.
Pace Project No.: 10127340

MATRIX SPIKE SAMPLE: 780950

Parameter	Units	10127424001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Bromomethane	ug/kg	ND	1250	1420	113	30-150	
Carbon tetrachloride	ug/kg	ND	1250	1500	120	67-150	
Chlorobenzene	ug/kg	ND	1250	1250	100	74-142	
Chloroethane	ug/kg	ND	1250	1230	98	30-150	
Chloroform	ug/kg	ND	1250	1220	98	74-150	
Chloromethane	ug/kg	ND	1250	1150	91	50-150	
cis-1,2-Dichloroethene	ug/kg	ND	1250	1260	101	75-147	
cis-1,3-Dichloropropene	ug/kg	ND	1250	1380	110	68-133	
Dibromochloromethane	ug/kg	ND	1250	1110	89	71-128	
Dibromomethane	ug/kg	ND	1250	1290	103	69-137	
Dichlorodifluoromethane	ug/kg	ND	1250	1200	95	50-150	
Dichlorofluoromethane	ug/kg	ND	1250	1210	96	50-150	
Diethyl ether (Ethyl ether)	ug/kg	ND	1250	1240	99	30-150	
Ethylbenzene	ug/kg	ND	1250	1330	106	74-150	
Hexachloro-1,3-butadiene	ug/kg	ND	1250	1380	110	54-150	
Isopropylbenzene (Cumene)	ug/kg	ND	1250	1310	105	75-150	
Methyl-tert-butyl ether	ug/kg	ND	1250	1150	92	70-142	
Methylene Chloride	ug/kg	ND	1250	1200	96	67-144	
n-Butylbenzene	ug/kg	ND	1250	1390	111	55-150	
n-Propylbenzene	ug/kg	ND	1250	1370	110	50-150	
Naphthalene	ug/kg	ND	1250	1390	111	64-150	
p-Isopropyltoluene	ug/kg	ND	1250	1360	108	75-138	
sec-Butylbenzene	ug/kg	ND	1250	1350	108	75-144	
Styrene	ug/kg	ND	1250	1310	105	75-144	
tert-Butylbenzene	ug/kg	ND	1250	1280	102	54-150	
Tetrachloroethene	ug/kg	ND	1250	1300	103	75-150	
Tetrahydrofuran	ug/kg	ND	12500	12200	97	50-150	
Toluene	ug/kg	ND	1250	1310	104	73-144	
trans-1,2-Dichloroethene	ug/kg	ND	1250	1250	100	75-150	
trans-1,3-Dichloropropene	ug/kg	ND	1250	1340	107	66-127	
Trichloroethene	ug/kg	ND	1250	1170	94	75-150	
Trichlorofluoromethane	ug/kg	ND	1250	1320	105	50-150	
Vinyl chloride	ug/kg	ND	1250	1210	97	44-150	
Xylene (Total)	ug/kg	ND	3760	3910	104	75-148	
1,2-Dichloroethane-d4 (S)	%				95	68-136	
4-Bromofluorobenzene (S)	%				105	68-126	
Dibromofluoromethane (S)	%				104	61-139	
Toluene-d8 (S)	%				105	68-133	

SAMPLE DUPLICATE: 780951

Parameter	Units	10127424002 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	ND		30	
1,1,1-Trichloroethane	ug/kg	ND	ND		30	
1,1,2,2-Tetrachloroethane	ug/kg	ND	ND		30	
1,1,2-Trichloroethane	ug/kg	ND	ND		30	
1,1,2-Trichlorotrifluoroethane	ug/kg	ND	ND		30	

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QUALITY CONTROL DATA

Project: 20028 Scherer Lumber Revised.
Pace Project No.: 10127340

SAMPLE DUPLICATE: 780951

Parameter	Units	10127424002 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1-Dichloroethane	ug/kg	ND	ND		30	
1,1-Dichloroethene	ug/kg	ND	ND		30	
1,1-Dichloropropene	ug/kg	ND	ND		30	
1,2,3-Trichlorobenzene	ug/kg	ND	ND		30	
1,2,3-Trichloropropane	ug/kg	ND	ND		30	
1,2,4-Trichlorobenzene	ug/kg	ND	ND		30	
1,2,4-Trimethylbenzene	ug/kg	ND	ND		30	
1,2-Dibromo-3-chloropropane	ug/kg	ND	ND		30	
1,2-Dibromoethane (EDB)	ug/kg	ND	ND		30	
1,2-Dichlorobenzene	ug/kg	ND	ND		30	
1,2-Dichloroethane	ug/kg	ND	ND		30	
1,2-Dichloropropane	ug/kg	ND	ND		30	
1,3,5-Trimethylbenzene	ug/kg	ND	ND		30	
1,3-Dichlorobenzene	ug/kg	ND	ND		30	
1,3-Dichloropropane	ug/kg	ND	ND		30	
1,4-Dichlorobenzene	ug/kg	ND	ND		30	
2,2-Dichloropropane	ug/kg	ND	ND		30	
2-Butanone (MEK)	ug/kg	ND	ND		30	
2-Chlorotoluene	ug/kg	ND	ND		30	
4-Chlorotoluene	ug/kg	ND	ND		30	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	ND		30	
Acetone	ug/kg	ND	ND		30	
Allyl chloride	ug/kg	ND	ND		30	
Benzene	ug/kg	ND	ND		30	
Bromobenzene	ug/kg	ND	ND		30	
Bromochloromethane	ug/kg	ND	ND		30	
Bromodichloromethane	ug/kg	ND	ND		30	
Bromoform	ug/kg	ND	ND		30	
Bromomethane	ug/kg	ND	ND		30	
Carbon tetrachloride	ug/kg	ND	ND		30	
Chlorobenzene	ug/kg	ND	ND		30	
Chloroethane	ug/kg	ND	ND		30	
Chloroform	ug/kg	ND	ND		30	
Chloromethane	ug/kg	ND	ND		30	
cis-1,2-Dichloroethene	ug/kg	ND	ND		30	
cis-1,3-Dichloropropene	ug/kg	ND	ND		30	
Dibromochloromethane	ug/kg	ND	ND		30	
Dibromomethane	ug/kg	ND	ND		30	
Dichlorodifluoromethane	ug/kg	ND	ND		30	
Dichlorofluoromethane	ug/kg	ND	ND		30	
Diethyl ether (Ethyl ether)	ug/kg	ND	ND		30	
Ethylbenzene	ug/kg	ND	ND		30	
Hexachloro-1,3-butadiene	ug/kg	ND	ND		30	
Isopropylbenzene (Cumene)	ug/kg	ND	ND		30	
Methyl-tert-butyl ether	ug/kg	ND	ND		30	
Methylene Chloride	ug/kg	ND	ND		30	
n-Butylbenzene	ug/kg	ND	ND		30	
n-Propylbenzene	ug/kg	ND	ND		30	

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QUALITY CONTROL DATA

Project: 20028 Scherer Lumber Revised.
Pace Project No.: 10127340

SAMPLE DUPLICATE: 780951

Parameter	Units	10127424002 Result	Dup Result	RPD	Max RPD	Qualifiers
Naphthalene	ug/kg	ND	ND		30	
p-Isopropyltoluene	ug/kg	ND	ND		30	
sec-Butylbenzene	ug/kg	ND	ND		30	
Styrene	ug/kg	ND	ND		30	
tert-Butylbenzene	ug/kg	ND	ND		30	
Tetrachloroethene	ug/kg	ND	ND		30	
Tetrahydrofuran	ug/kg	ND	ND		30	
Toluene	ug/kg	ND	ND		30	
trans-1,2-Dichloroethene	ug/kg	ND	ND		30	
trans-1,3-Dichloropropene	ug/kg	ND	ND		30	
Trichloroethene	ug/kg	ND	ND		30	
Trichlorofluoromethane	ug/kg	ND	ND		30	
Vinyl chloride	ug/kg	ND	ND		30	
Xylene (Total)	ug/kg	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	98	103	3		
4-Bromofluorobenzene (S)	%	109	109	1		
Dibromofluoromethane (S)	%	102	108	4		
Toluene-d8 (S)	%	109	110	.2		

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QUALITY CONTROL DATA

Project: 20028 Scherer Lumber Revised.
Pace Project No.: 10127340

QC Batch: MSV/14348
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV 465 W
Associated Lab Samples: 10127340024

METHOD BLANK: 779903
Matrix: Water
Associated Lab Samples: 10127340024

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	04/27/10 23:29	
1,1,1-Trichloroethane	ug/L	ND	1.0	04/27/10 23:29	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	04/27/10 23:29	
1,1,2-Trichloroethane	ug/L	ND	1.0	04/27/10 23:29	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	1.0	04/27/10 23:29	
1,1-Dichloroethane	ug/L	ND	1.0	04/27/10 23:29	
1,1-Dichloroethene	ug/L	ND	1.0	04/27/10 23:29	
1,1-Dichloropropene	ug/L	ND	1.0	04/27/10 23:29	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	04/27/10 23:29	
1,2,3-Trichloropropane	ug/L	ND	1.0	04/27/10 23:29	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	04/27/10 23:29	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	04/27/10 23:29	
1,2-Dibromo-3-chloropropane	ug/L	ND	4.0	04/27/10 23:29	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	04/27/10 23:29	
1,2-Dichlorobenzene	ug/L	ND	1.0	04/27/10 23:29	
1,2-Dichloroethane	ug/L	ND	1.0	04/27/10 23:29	
1,2-Dichloropropane	ug/L	ND	1.0	04/27/10 23:29	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	04/27/10 23:29	
1,3-Dichlorobenzene	ug/L	ND	1.0	04/27/10 23:29	
1,3-Dichloropropane	ug/L	ND	1.0	04/27/10 23:29	
1,4-Dichlorobenzene	ug/L	ND	1.0	04/27/10 23:29	
2,2-Dichloropropane	ug/L	ND	4.0	04/27/10 23:29	
2-Butanone (MEK)	ug/L	ND	4.0	04/27/10 23:29	
2-Chlorotoluene	ug/L	ND	1.0	04/27/10 23:29	
4-Chlorotoluene	ug/L	ND	1.0	04/27/10 23:29	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	4.0	04/27/10 23:29	
Acetone	ug/L	ND	10.0	04/27/10 23:29	
Allyl chloride	ug/L	ND	4.0	04/27/10 23:29	
Benzene	ug/L	ND	1.0	04/27/10 23:29	
Bromobenzene	ug/L	ND	1.0	04/27/10 23:29	
Bromochloromethane	ug/L	ND	1.0	04/27/10 23:29	
Bromodichloromethane	ug/L	ND	1.0	04/27/10 23:29	
Bromoform	ug/L	ND	8.0	04/27/10 23:29	
Bromomethane	ug/L	ND	4.0	04/27/10 23:29	
Carbon tetrachloride	ug/L	ND	4.0	04/27/10 23:29	
Chlorobenzene	ug/L	ND	1.0	04/27/10 23:29	
Chloroethane	ug/L	ND	1.0	04/27/10 23:29	
Chloroform	ug/L	ND	1.0	04/27/10 23:29	
Chloromethane	ug/L	ND	4.0	04/27/10 23:29	
cis-1,2-Dichloroethene	ug/L	ND	1.0	04/27/10 23:29	
cis-1,3-Dichloropropene	ug/L	ND	4.0	04/27/10 23:29	
Dibromochloromethane	ug/L	ND	1.0	04/27/10 23:29	
Dibromomethane	ug/L	ND	4.0	04/27/10 23:29	

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QUALITY CONTROL DATA

Project: 20028 Scherer Lumber Revised.
Pace Project No.: 10127340

METHOD BLANK: 779903 Matrix: Water

Associated Lab Samples: 10127340024

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dichlorodifluoromethane	ug/L	ND	1.0	04/27/10 23:29	
Dichlorofluoromethane	ug/L	ND	1.0	04/27/10 23:29	
Diethyl ether (Ethyl ether)	ug/L	ND	4.0	04/27/10 23:29	
Ethylbenzene	ug/L	ND	1.0	04/27/10 23:29	
Hexachloro-1,3-butadiene	ug/L	ND	4.0	04/27/10 23:29	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	04/27/10 23:29	
m&p-Xylene	ug/L	ND	2.0	04/27/10 23:29	
Methyl-tert-butyl ether	ug/L	ND	1.0	04/27/10 23:29	
Methylene Chloride	ug/L	ND	4.0	04/27/10 23:29	
n-Butylbenzene	ug/L	ND	1.0	04/27/10 23:29	
n-Propylbenzene	ug/L	ND	1.0	04/27/10 23:29	
Naphthalene	ug/L	ND	4.0	04/27/10 23:29	
o-Xylene	ug/L	ND	1.0	04/27/10 23:29	
p-Isopropyltoluene	ug/L	ND	1.0	04/27/10 23:29	
sec-Butylbenzene	ug/L	ND	1.0	04/27/10 23:29	
Styrene	ug/L	ND	1.0	04/27/10 23:29	
tert-Butylbenzene	ug/L	ND	1.0	04/27/10 23:29	
Tetrachloroethene	ug/L	ND	1.0	04/27/10 23:29	
Tetrahydrofuran	ug/L	ND	10.0	04/27/10 23:29	
Toluene	ug/L	ND	1.0	04/27/10 23:29	
trans-1,2-Dichloroethene	ug/L	ND	1.0	04/27/10 23:29	
trans-1,3-Dichloropropene	ug/L	ND	4.0	04/27/10 23:29	
Trichloroethene	ug/L	ND	1.0	04/27/10 23:29	
Trichlorofluoromethane	ug/L	ND	1.0	04/27/10 23:29	
Vinyl chloride	ug/L	ND	0.40	04/27/10 23:29	
Xylene (Total)	ug/L	ND	3.0	04/27/10 23:29	
1,2-Dichloroethane-d4 (S)	%	104	75-125	04/27/10 23:29	
4-Bromofluorobenzene (S)	%	100	75-125	04/27/10 23:29	
Dibromofluoromethane (S)	%	106	75-125	04/27/10 23:29	
Toluene-d8 (S)	%	98	75-125	04/27/10 23:29	

LABORATORY CONTROL SAMPLE: 779904

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	17.4	87	75-125	
1,1,1-Trichloroethane	ug/L	20	18.4	92	75-125	
1,1,2,2-Tetrachloroethane	ug/L	20	18.5	92	75-125	
1,1,2-Trichloroethane	ug/L	20	17.8	89	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	20	16.9	84	70-138	
1,1-Dichloroethane	ug/L	20	18.5	93	75-125	
1,1-Dichloroethene	ug/L	20	18.4	92	69-129	
1,1-Dichloropropene	ug/L	20	17.7	89	75-126	
1,2,3-Trichlorobenzene	ug/L	20	17.6	88	75-125	
1,2,3-Trichloropropane	ug/L	20	18.6	93	72-126	
1,2,4-Trichlorobenzene	ug/L	20	17.4	87	75-125	

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QUALITY CONTROL DATA

Project: 20028 Scherer Lumber Revised.
Pace Project No.: 10127340

LABORATORY CONTROL SAMPLE: 779904

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trimethylbenzene	ug/L	20	17.6	88	75-125	
1,2-Dibromo-3-chloropropane	ug/L	20	17.5	87	67-125	
1,2-Dibromoethane (EDB)	ug/L	20	17.9	89	75-125	
1,2-Dichlorobenzene	ug/L	20	17.6	88	75-125	
1,2-Dichloroethane	ug/L	20	18.8	94	75-125	
1,2-Dichloropropane	ug/L	20	17.5	88	75-125	
1,3,5-Trimethylbenzene	ug/L	20	17.1	86	75-125	
1,3-Dichlorobenzene	ug/L	20	17.4	87	75-125	
1,3-Dichloropropane	ug/L	20	18.1	91	75-125	
1,4-Dichlorobenzene	ug/L	20	17.4	87	75-125	
2,2-Dichloropropane	ug/L	20	17.1	86	48-150	
2-Butanone (MEK)	ug/L	20	20.0	100	51-134	
2-Chlorotoluene	ug/L	20	17.0	85	75-125	
4-Chlorotoluene	ug/L	20	17.3	87	75-125	
4-Methyl-2-pentanone (MIBK)	ug/L	20	18.3	91	60-125	
Acetone	ug/L	50	58.0	116	38-125	
Allyl chloride	ug/L	20	18.1	90	64-137	
Benzene	ug/L	20	18.0	90	75-125	
Bromobenzene	ug/L	20	17.4	87	75-125	
Bromochloromethane	ug/L	20	20.3	101	75-125	
Bromodichloromethane	ug/L	20	18.2	91	75-125	
Bromoform	ug/L	40	34.9	87	68-125	
Bromomethane	ug/L	20	27.0	135	47-129	L0
Carbon tetrachloride	ug/L	20	15.9	79	59-133	
Chlorobenzene	ug/L	20	17.3	86	75-125	
Chloroethane	ug/L	20	17.8	89	73-132	
Chloroform	ug/L	20	18.5	92	75-125	
Chloromethane	ug/L	20	20.0	100	72-125	
cis-1,2-Dichloroethene	ug/L	20	18.4	92	75-125	
cis-1,3-Dichloropropene	ug/L	20	18.0	90	75-125	
Dibromochloromethane	ug/L	20	17.9	89	75-125	
Dibromomethane	ug/L	20	18.4	92	75-125	
Dichlorodifluoromethane	ug/L	20	15.0	75	69-134	
Dichlorofluoromethane	ug/L	20	17.0	85	70-125	
Diethyl ether (Ethyl ether)	ug/L	20	19.7	99	71-125	
Ethylbenzene	ug/L	20	17.1	85	75-125	
Hexachloro-1,3-butadiene	ug/L	20	16.8	84	75-137	
Isopropylbenzene (Cumene)	ug/L	20	17.3	86	75-125	
m&p-Xylene	ug/L	40	34.4	86	75-125	
Methyl-tert-butyl ether	ug/L	20	19.6	98	75-125	
Methylene Chloride	ug/L	20	16.5	83	75-125	
n-Butylbenzene	ug/L	20	16.9	85	75-125	
n-Propylbenzene	ug/L	20	16.8	84	75-125	
Naphthalene	ug/L	20	18.3	91	72-125	
o-Xylene	ug/L	20	16.9	85	75-125	
p-Isopropyltoluene	ug/L	20	17.1	85	75-125	
sec-Butylbenzene	ug/L	20	17.1	85	75-125	
Styrene	ug/L	20	17.6	88	75-125	

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QUALITY CONTROL DATA

Project: 20028 Scherer Lumber Revised.
Pace Project No.: 10127340

LABORATORY CONTROL SAMPLE: 779904

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
tert-Butylbenzene	ug/L	20	17.1	86	75-125	
Tetrachloroethene	ug/L	20	17.0	85	74-125	
Tetrahydrofuran	ug/L	200	194	97	65-125	
Toluene	ug/L	20	17.1	85	75-125	
trans-1,2-Dichloroethene	ug/L	20	17.4	87	74-125	
trans-1,3-Dichloropropene	ug/L	20	18.0	90	75-125	
Trichloroethene	ug/L	20	17.8	89	75-125	
Trichlorofluoromethane	ug/L	20	18.2	91	73-134	
Vinyl chloride	ug/L	20	18.2	91	75-126	
Xylene (Total)	ug/L	60	51.3	86	75-125	
1,2-Dichloroethane-d4 (S)	%			95	75-125	
4-Bromofluorobenzene (S)	%			99	75-125	
Dibromofluoromethane (S)	%			103	75-125	
Toluene-d8 (S)	%			98	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 779905 779906

Parameter	Units	10127287024 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	ND	200	200	190	187	95	94	71-125	1	30	
1,1,1-Trichloroethane	ug/L	ND	200	200	212	209	106	105	75-125	2	30	
1,1,2,2-Tetrachloroethane	ug/L	ND	200	200	190	198	95	99	75-126	4	30	
1,1,2-Trichloroethane	ug/L	ND	200	200	187	194	93	97	75-125	4	30	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	200	200	199	208	100	104	70-150	4	30	
1,1-Dichloroethane	ug/L	ND	200	200	212	205	106	102	75-125	4	30	
1,1-Dichloroethene	ug/L	ND	200	200	218	213	109	106	64-142	2	30	
1,1-Dichloropropene	ug/L	ND	200	200	207	199	104	99	75-125	4	30	
1,2,3-Trichlorobenzene	ug/L	ND	200	200	180	183	90	91	75-125	2	30	
1,2,3-Trichloropropane	ug/L	ND	200	200	188	190	94	95	72-127	1	30	
1,2,4-Trichlorobenzene	ug/L	ND	200	200	177	178	88	89	75-125	.9	30	
1,2,4-Trimethylbenzene	ug/L	ND	200	200	189	189	94	94	75-125	.1	30	
1,2-Dibromo-3-chloropropane	ug/L	ND	200	200	179	178	90	89	65-125	1	30	
1,2-Dibromoethane (EDB)	ug/L	ND	200	200	190	191	95	96	75-125	.5	30	
1,2-Dichlorobenzene	ug/L	ND	200	200	185	187	93	93	75-125	.7	30	
1,2-Dichloroethane	ug/L	ND	200	200	200	200	100	100	75-125	.04	30	
1,2-Dichloropropane	ug/L	ND	200	200	198	190	99	95	75-125	4	30	
1,3,5-Trimethylbenzene	ug/L	ND	200	200	185	187	92	94	75-127	1	30	
1,3-Dichlorobenzene	ug/L	ND	200	200	183	183	92	91	75-125	.2	30	
1,3-Dichloropropane	ug/L	ND	200	200	190	192	95	96	75-125	1	30	
1,4-Dichlorobenzene	ug/L	ND	200	200	181	182	90	91	75-125	.5	30	
2,2-Dichloropropane	ug/L	ND	200	200	139	132	69	66	48-150	5	30	
2-Butanone (MEK)	ug/L	ND	200	200	181	185	91	93	51-134	2	30	
2-Chlorotoluene	ug/L	ND	200	200	184	183	92	92	75-125	.6	30	
4-Chlorotoluene	ug/L	ND	200	200	188	189	94	95	68-127	.5	30	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	200	200	186	191	93	96	60-135	3	30	
Acetone	ug/L	ND	500	500	416	459	83	92	30-125	10	30	
Allyl chloride	ug/L	ND	200	200	204	163	102	81	40-137	23	30	

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QUALITY CONTROL DATA

Project: 20028 Scherer Lumber Revised.
Pace Project No.: 10127340

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 779905 779906

Parameter	Units	10127287024 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	ND	200	200	207	201	103	101	75-125	3	30	
Bromobenzene	ug/L	ND	200	200	185	185	93	93	75-125	.04	30	
Bromochloromethane	ug/L	ND	200	200	218	221	109	110	75-125	1	30	
Bromodichloromethane	ug/L	ND	200	200	199	192	100	96	72-125	4	30	
Bromoform	ug/L	ND	400	400	352	327	88	82	51-125	8	30	
Bromomethane	ug/L	ND	200	200	317	318	158	159	47-130	.3	30	M0
Carbon tetrachloride	ug/L	ND	200	200	192	176	96	88	61-133	9	30	
Chlorobenzene	ug/L	ND	200	200	192	191	96	95	75-125	.6	30	
Chloroethane	ug/L	ND	200	200	206	201	103	100	75-132	3	30	
Chloroform	ug/L	ND	200	200	208	205	104	103	75-125	1	30	
Chloromethane	ug/L	ND	200	200	233	213	117	106	68-132	9	30	
cis-1,2-Dichloroethene	ug/L	ND	200	200	215	210	106	104	75-125	3	30	
cis-1,3-Dichloropropene	ug/L	ND	200	200	185	172	93	86	63-125	8	30	
Dibromochloromethane	ug/L	ND	200	200	185	178	92	89	62-125	4	30	
Dibromomethane	ug/L	ND	200	200	199	194	99	97	75-125	2	30	
Dichlorodifluoromethane	ug/L	ND	200	200	179	174	89	87	65-150	3	30	
Dichlorofluoromethane	ug/L	ND	200	200	198	194	99	97	68-127	2	30	
Diethyl ether (Ethyl ether)	ug/L	ND	200	200	201	205	100	103	71-125	2	30	
Ethylbenzene	ug/L	ND	200	200	193	193	96	96	75-125	.1	30	
Hexachloro-1,3-butadiene	ug/L	ND	200	200	169	174	85	87	75-147	3	30	
Isopropylbenzene (Cumene)	ug/L	ND	200	200	197	192	99	96	75-125	3	30	
m&p-Xylene	ug/L	ND	400	400	383	379	96	95	67-125	1	30	
Methyl-tert-butyl ether	ug/L	ND	200	200	203	208	102	104	75-125	2	30	
Methylene Chloride	ug/L	ND	200	200	190	187	95	94	75-125	1	30	
n-Butylbenzene	ug/L	ND	200	200	177	180	89	90	70-135	2	30	
n-Propylbenzene	ug/L	ND	200	200	184	182	92	91	70-131	.7	30	
Naphthalene	ug/L	ND	200	200	183	189	91	95	66-127	3	30	
o-Xylene	ug/L	ND	200	200	192	187	96	94	72-125	2	30	
p-Isopropyltoluene	ug/L	ND	200	200	182	182	91	91	71-126	.04	30	
sec-Butylbenzene	ug/L	ND	200	200	184	182	92	91	75-127	1	30	
Styrene	ug/L	ND	200	200	191	189	96	94	30-134	2	30	
tert-Butylbenzene	ug/L	ND	200	200	189	188	94	94	75-125	.2	30	
Tetrachloroethene	ug/L	ND	200	200	192	187	96	93	74-125	3	30	
Tetrahydrofuran	ug/L	ND	2000	2000	1920	2000	96	100	65-125	4	30	
Toluene	ug/L	ND	200	200	200	196	100	98	75-125	2	30	
trans-1,2-Dichloroethene	ug/L	ND	200	200	202	204	101	102	72-125	1	30	
trans-1,3-Dichloropropene	ug/L	ND	200	200	184	178	92	89	63-125	3	30	
Trichloroethene	ug/L	1240	200	200	1470	1410	118	84	58-127	5	30	E
Trichlorofluoromethane	ug/L	ND	200	200	208	202	104	101	73-150	3	30	
Vinyl chloride	ug/L	ND	200	200	214	202	107	101	75-134	6	30	
Xylene (Total)	ug/L	ND	600	600	575	566	96	94	75-125	2	30	
1,2-Dichloroethane-d4 (S)	%						97	99	75-125			
4-Bromofluorobenzene (S)	%						98	99	75-125			
Dibromofluoromethane (S)	%						100	105	75-125			
Toluene-d8 (S)	%						96	100	75-125			

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QUALITY CONTROL DATA

Project: 20028 Scherer Lumber Revised.
Pace Project No.: 10127340

QC Batch: MSV/14357 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 465 W
Associated Lab Samples: 10127340001, 10127340002

METHOD BLANK: 780549 Matrix: Water
Associated Lab Samples: 10127340001, 10127340002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	04/29/10 18:13	
1,1,1-Trichloroethane	ug/L	ND	1.0	04/29/10 18:13	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	04/29/10 18:13	
1,1,2-Trichloroethane	ug/L	ND	1.0	04/29/10 18:13	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	1.0	04/29/10 18:13	
1,1-Dichloroethane	ug/L	ND	1.0	04/29/10 18:13	
1,1-Dichloroethene	ug/L	ND	1.0	04/29/10 18:13	
1,1-Dichloropropene	ug/L	ND	1.0	04/29/10 18:13	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	04/29/10 18:13	
1,2,3-Trichloropropane	ug/L	ND	1.0	04/29/10 18:13	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	04/29/10 18:13	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	04/29/10 18:13	
1,2-Dibromo-3-chloropropane	ug/L	ND	4.0	04/29/10 18:13	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	04/29/10 18:13	
1,2-Dichlorobenzene	ug/L	ND	1.0	04/29/10 18:13	
1,2-Dichloroethane	ug/L	ND	1.0	04/29/10 18:13	
1,2-Dichloropropane	ug/L	ND	1.0	04/29/10 18:13	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	04/29/10 18:13	
1,3-Dichlorobenzene	ug/L	ND	1.0	04/29/10 18:13	
1,3-Dichloropropane	ug/L	ND	1.0	04/29/10 18:13	
1,4-Dichlorobenzene	ug/L	ND	1.0	04/29/10 18:13	
2,2-Dichloropropane	ug/L	ND	4.0	04/29/10 18:13	
2-Butanone (MEK)	ug/L	ND	4.0	04/29/10 18:13	
2-Chlorotoluene	ug/L	ND	1.0	04/29/10 18:13	
4-Chlorotoluene	ug/L	ND	1.0	04/29/10 18:13	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	4.0	04/29/10 18:13	
Acetone	ug/L	ND	10.0	04/29/10 18:13	
Allyl chloride	ug/L	ND	4.0	04/29/10 18:13	
Benzene	ug/L	ND	1.0	04/29/10 18:13	
Bromobenzene	ug/L	ND	1.0	04/29/10 18:13	
Bromochloromethane	ug/L	ND	1.0	04/29/10 18:13	
Bromodichloromethane	ug/L	ND	1.0	04/29/10 18:13	
Bromoform	ug/L	ND	8.0	04/29/10 18:13	
Bromomethane	ug/L	ND	4.0	04/29/10 18:13	
Carbon tetrachloride	ug/L	ND	4.0	04/29/10 18:13	
Chlorobenzene	ug/L	ND	1.0	04/29/10 18:13	
Chloroethane	ug/L	ND	1.0	04/29/10 18:13	
Chloroform	ug/L	ND	1.0	04/29/10 18:13	
Chloromethane	ug/L	ND	4.0	04/29/10 18:13	
cis-1,2-Dichloroethene	ug/L	ND	1.0	04/29/10 18:13	
cis-1,3-Dichloropropene	ug/L	ND	4.0	04/29/10 18:13	
Dibromochloromethane	ug/L	ND	1.0	04/29/10 18:13	
Dibromomethane	ug/L	ND	4.0	04/29/10 18:13	

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QUALITY CONTROL DATA

Project: 20028 Scherer Lumber Revised.
Pace Project No.: 10127340

METHOD BLANK: 780549 Matrix: Water

Associated Lab Samples: 10127340001, 10127340002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dichlorodifluoromethane	ug/L	ND	1.0	04/29/10 18:13	
Dichlorofluoromethane	ug/L	ND	1.0	04/29/10 18:13	
Diethyl ether (Ethyl ether)	ug/L	ND	4.0	04/29/10 18:13	
Ethylbenzene	ug/L	ND	1.0	04/29/10 18:13	
Hexachloro-1,3-butadiene	ug/L	ND	4.0	04/29/10 18:13	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	04/29/10 18:13	
m&p-Xylene	ug/L	ND	2.0	04/29/10 18:13	
Methyl-tert-butyl ether	ug/L	ND	1.0	04/29/10 18:13	
Methylene Chloride	ug/L	ND	4.0	04/29/10 18:13	
n-Butylbenzene	ug/L	ND	1.0	04/29/10 18:13	
n-Propylbenzene	ug/L	ND	1.0	04/29/10 18:13	
Naphthalene	ug/L	ND	4.0	04/29/10 18:13	
o-Xylene	ug/L	ND	1.0	04/29/10 18:13	
p-Isopropyltoluene	ug/L	ND	1.0	04/29/10 18:13	
sec-Butylbenzene	ug/L	ND	1.0	04/29/10 18:13	
Styrene	ug/L	ND	1.0	04/29/10 18:13	
tert-Butylbenzene	ug/L	ND	1.0	04/29/10 18:13	
Tetrachloroethene	ug/L	ND	1.0	04/29/10 18:13	
Tetrahydrofuran	ug/L	ND	10.0	04/29/10 18:13	
Toluene	ug/L	ND	1.0	04/29/10 18:13	
trans-1,2-Dichloroethene	ug/L	ND	1.0	04/29/10 18:13	
trans-1,3-Dichloropropene	ug/L	ND	4.0	04/29/10 18:13	
Trichloroethene	ug/L	ND	1.0	04/29/10 18:13	
Trichlorofluoromethane	ug/L	ND	1.0	04/29/10 18:13	
Vinyl chloride	ug/L	ND	0.40	04/29/10 18:13	
Xylene (Total)	ug/L	ND	3.0	04/29/10 18:13	
1,2-Dichloroethane-d4 (S)	%	105	75-125	04/29/10 18:13	
4-Bromofluorobenzene (S)	%	95	75-125	04/29/10 18:13	
Dibromofluoromethane (S)	%	99	75-125	04/29/10 18:13	
Toluene-d8 (S)	%	96	75-125	04/29/10 18:13	

LABORATORY CONTROL SAMPLE: 780550

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	54.1	108	75-125	
1,1,1-Trichloroethane	ug/L	50	56.1	112	75-125	
1,1,2,2-Tetrachloroethane	ug/L	50	49.6	99	75-125	
1,1,2-Trichloroethane	ug/L	50	50.2	100	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	50	51.4	103	70-138	
1,1-Dichloroethane	ug/L	50	52.1	104	75-125	
1,1-Dichloroethene	ug/L	50	47.7	95	69-129	
1,1-Dichloropropene	ug/L	50	53.0	106	75-126	
1,2,3-Trichlorobenzene	ug/L	50	53.6	107	75-125	
1,2,3-Trichloropropane	ug/L	50	50.6	101	72-126	
1,2,4-Trichlorobenzene	ug/L	50	54.8	110	75-125	

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QUALITY CONTROL DATA

Project: 20028 Scherer Lumber Revised.
Pace Project No.: 10127340

LABORATORY CONTROL SAMPLE: 780550

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trimethylbenzene	ug/L	50	51.2	102	75-125	
1,2-Dibromo-3-chloropropane	ug/L	50	52.7	105	67-125	
1,2-Dibromoethane (EDB)	ug/L	50	53.2	106	75-125	
1,2-Dichlorobenzene	ug/L	50	51.7	103	75-125	
1,2-Dichloroethane	ug/L	50	58.7	117	75-125	
1,2-Dichloropropane	ug/L	50	51.9	104	75-125	
1,3,5-Trimethylbenzene	ug/L	50	51.1	102	75-125	
1,3-Dichlorobenzene	ug/L	50	52.1	104	75-125	
1,3-Dichloropropane	ug/L	50	51.9	104	75-125	
1,4-Dichlorobenzene	ug/L	50	51.7	103	75-125	
2,2-Dichloropropane	ug/L	50	59.1	118	48-150	
2-Butanone (MEK)	ug/L	50	56.1	112	51-134	
2-Chlorotoluene	ug/L	50	51.3	103	75-125	
4-Chlorotoluene	ug/L	50	51.6	103	75-125	
4-Methyl-2-pentanone (MIBK)	ug/L	50	51.6	103	60-125	
Acetone	ug/L	125	159	127	38-125	L0
Allyl chloride	ug/L	50	50.1	100	64-137	
Benzene	ug/L	50	50.4	101	75-125	
Bromobenzene	ug/L	50	52.3	105	75-125	
Bromochloromethane	ug/L	50	47.7	95	75-125	
Bromodichloromethane	ug/L	50	54.6	109	75-125	
Bromoform	ug/L	100	114	114	68-125	
Bromomethane	ug/L	50	64.1	128	47-129	
Carbon tetrachloride	ug/L	50	56.0	112	59-133	
Chlorobenzene	ug/L	50	52.4	105	75-125	
Chloroethane	ug/L	50	54.1	108	73-132	
Chloroform	ug/L	50	54.0	108	75-125	
Chloromethane	ug/L	50	52.2	104	72-125	
cis-1,2-Dichloroethene	ug/L	50	48.3	97	75-125	
cis-1,3-Dichloropropene	ug/L	50	53.8	108	75-125	
Dibromochloromethane	ug/L	50	54.3	109	75-125	
Dibromomethane	ug/L	50	53.3	107	75-125	
Dichlorodifluoromethane	ug/L	50	61.2	122	69-134	
Dichlorofluoromethane	ug/L	50	52.7	105	70-125	
Diethyl ether (Ethyl ether)	ug/L	50	49.3	99	71-125	
Ethylbenzene	ug/L	50	53.4	107	75-125	
Hexachloro-1,3-butadiene	ug/L	50	55.3	111	75-137	
Isopropylbenzene (Cumene)	ug/L	50	53.9	108	75-125	
m&p-Xylene	ug/L	100	106	106	75-125	
Methyl-tert-butyl ether	ug/L	50	52.7	105	75-125	
Methylene Chloride	ug/L	50	49.0	98	75-125	
n-Butylbenzene	ug/L	50	52.4	105	75-125	
n-Propylbenzene	ug/L	50	51.9	104	75-125	
Naphthalene	ug/L	50	51.4	103	72-125	
o-Xylene	ug/L	50	52.1	104	75-125	
p-Isopropyltoluene	ug/L	50	52.9	106	75-125	
sec-Butylbenzene	ug/L	50	51.5	103	75-125	
Styrene	ug/L	50	52.3	105	75-125	

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QUALITY CONTROL DATA

Project: 20028 Scherer Lumber Revised.
Pace Project No.: 10127340

LABORATORY CONTROL SAMPLE: 780550

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
tert-Butylbenzene	ug/L	50	51.8	104	75-125	
Tetrachloroethene	ug/L	50	53.8	108	74-125	
Tetrahydrofuran	ug/L	500	472	94	65-125	
Toluene	ug/L	50	49.5	99	75-125	
trans-1,2-Dichloroethene	ug/L	50	48.6	97	74-125	
trans-1,3-Dichloropropene	ug/L	50	55.5	111	75-125	
Trichloroethene	ug/L	50	53.7	107	75-125	
Trichlorofluoromethane	ug/L	50	60.3	121	73-134	
Vinyl chloride	ug/L	50	55.5	111	75-126	
Xylene (Total)	ug/L	150	158	105	75-125	
1,2-Dichloroethane-d4 (S)	%			113	75-125	
4-Bromofluorobenzene (S)	%			94	75-125	
Dibromofluoromethane (S)	%			103	75-125	
Toluene-d8 (S)	%			97	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 782252 782253

Parameter	Units	10127263001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	ND	2000	2000	2090	2020	104	101	71-125	3	30	
1,1,1-Trichloroethane	ug/L	ND	2000	2000	2250	2120	113	106	75-125	6	30	
1,1,2,2-Tetrachloroethane	ug/L	ND	2000	2000	1930	1810	97	90	75-126	7	30	
1,1,2-Trichloroethane	ug/L	ND	2000	2000	2070	1950	103	98	75-125	6	30	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	2000	2000	2260	2130	113	106	70-150	6	30	
1,1-Dichloroethane	ug/L	ND	2000	2000	2140	2050	107	103	75-125	4	30	
1,1-Dichloroethene	ug/L	ND	2000	2000	1940	1810	97	91	64-142	7	30	
1,1-Dichloropropene	ug/L	ND	2000	2000	2120	2050	106	103	75-125	3	30	
1,2,3-Trichlorobenzene	ug/L	ND	2000	2000	2250	1940	112	97	75-125	15	30	
1,2,3-Trichloropropane	ug/L	ND	2000	2000	2040	1890	102	95	72-127	7	30	
1,2,4-Trichlorobenzene	ug/L	ND	2000	2000	2250	2040	113	102	75-125	10	30	
1,2,4-Trimethylbenzene	ug/L	3110	2000	2000	4980	4940	93	92	75-125	.7	30	
1,2-Dibromo-3-chloropropane	ug/L	ND	2000	2000	1950	1750	97	88	65-125	11	30	
1,2-Dibromoethane (EDB)	ug/L	202	2000	2000	2260	2110	103	95	75-125	7	30	
1,2-Dichlorobenzene	ug/L	ND	2000	2000	2080	1970	104	99	75-125	5	30	
1,2-Dichloroethane	ug/L	648	2000	2000	2920	2790	114	107	75-125	5	30	
1,2-Dichloropropane	ug/L	ND	2000	2000	2100	2050	105	102	75-125	3	30	
1,3,5-Trimethylbenzene	ug/L	805	2000	2000	2840	2790	102	99	75-127	2	30	
1,3-Dichlorobenzene	ug/L	ND	2000	2000	2100	2040	105	102	75-125	3	30	
1,3-Dichloropropane	ug/L	ND	2000	2000	2040	1930	102	96	75-125	6	30	
1,4-Dichlorobenzene	ug/L	ND	2000	2000	2110	2040	105	102	75-125	3	30	
2,2-Dichloropropane	ug/L	ND	2000	2000	2460	2170	123	109	48-150	12	30	
2-Butanone (MEK)	ug/L	ND	2000	2000	2420	2180	121	109	51-134	11	30	
2-Chlorotoluene	ug/L	ND	2000	2000	2450	2390	122	119	75-125	2	30	
4-Chlorotoluene	ug/L	ND	2000	2000	2100	2030	105	102	68-127	3	30	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	2000	2000	2040	1840	102	92	60-135	10	30	
Acetone	ug/L	ND	5000	5000	5060	4610	101	92	30-125	9	30	
Allyl chloride	ug/L	ND	2000	2000	2030	1980	102	99	40-137	2	30	

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QUALITY CONTROL DATA

Project: 20028 Scherer Lumber Revised.
Pace Project No.: 10127340

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 782252 782253

Parameter	Units	10127263001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	15400	2000	2000	16700	16200	66	40	75-125	3	30	P6
Bromobenzene	ug/L	ND	2000	2000	2080	2050	104	102	75-125	2	30	
Bromochloromethane	ug/L	ND	2000	2000	1840	1850	92	93	75-125	.5	30	
Bromodichloromethane	ug/L	ND	2000	2000	2140	2050	107	103	72-125	4	30	
Bromoform	ug/L	ND	4000	4000	4200	3870	105	97	51-125	8	30	
Bromomethane	ug/L	ND	2000	2000	2460	2330	123	116	47-130	6	30	
Carbon tetrachloride	ug/L	ND	2000	2000	2190	2100	110	105	61-133	4	30	
Chlorobenzene	ug/L	ND	2000	2000	2080	2020	104	101	75-125	3	30	
Chloroethane	ug/L	ND	2000	2000	2240	2160	112	108	75-132	4	30	
Chloroform	ug/L	ND	2000	2000	2200	2020	110	101	75-125	8	30	
Chloromethane	ug/L	ND	2000	2000	2270	2210	114	111	68-132	3	30	
cis-1,2-Dichloroethene	ug/L	ND	2000	2000	1960	1910	98	96	75-125	2	30	
cis-1,3-Dichloropropene	ug/L	ND	2000	2000	2150	2060	107	103	63-125	4	30	
Dibromochloromethane	ug/L	ND	2000	2000	2080	1980	104	99	62-125	5	30	
Dibromomethane	ug/L	ND	2000	2000	2150	1990	108	99	75-125	8	30	
Dichlorodifluoromethane	ug/L	ND	2000	2000	2650	2470	132	124	65-150	7	30	
Dichlorofluoromethane	ug/L	ND	2000	2000	2150	2080	108	104	68-127	4	30	
Diethyl ether (Ethyl ether)	ug/L	ND	2000	2000	1960	1820	98	91	71-125	8	30	
Ethylbenzene	ug/L	3310	2000	2000	5240	5090	96	89	75-125	3	30	
Hexachloro-1,3-butadiene	ug/L	ND	2000	2000	2320	2150	116	107	75-147	8	30	
Isopropylbenzene (Cumene)	ug/L	144	2000	2000	2270	2210	106	103	75-125	3	30	
m&p-Xylene	ug/L	12300	4000	4000	15900	15500	89	81	67-125	2	30	
Methyl-tert-butyl ether	ug/L	331	2000	2000	2430	2230	105	95	75-125	9	30	
Methylene Chloride	ug/L	ND	2000	2000	2080	2000	104	100	75-125	4	30	
n-Butylbenzene	ug/L	134	2000	2000	2300	2220	108	104	70-135	4	30	
n-Propylbenzene	ug/L	444	2000	2000	2550	2510	105	103	70-131	2	30	
Naphthalene	ug/L	680	2000	2000	2820	2500	107	91	66-127	12	30	
o-Xylene	ug/L	5310	2000	2000	7150	6990	92	84	72-125	2	30	
p-Isopropyltoluene	ug/L	ND	2000	2000	2220	2160	111	108	71-126	3	30	
sec-Butylbenzene	ug/L	ND	2000	2000	2140	2090	107	104	75-127	3	30	
Styrene	ug/L	ND	2000	2000	2090	2020	105	101	30-134	4	30	
tert-Butylbenzene	ug/L	ND	2000	2000	2120	2070	106	104	75-125	2	30	
Tetrachloroethene	ug/L	ND	2000	2000	2130	2060	107	103	74-125	3	30	
Tetrahydrofuran	ug/L	ND	20000	20000	22800	20000	114	100	65-125	13	30	
Toluene	ug/L	12600	2000	2000	13900	13500	66	46	75-125	3	30	P6
trans-1,2-Dichloroethene	ug/L	ND	2000	2000	2000	1910	100	95	72-125	5	30	
trans-1,3-Dichloropropene	ug/L	ND	2000	2000	2130	2040	106	102	63-125	4	30	
Trichloroethene	ug/L	ND	2000	2000	2120	2060	106	103	58-127	3	30	
Trichlorofluoromethane	ug/L	ND	2000	2000	2440	2300	122	115	73-150	6	30	
Vinyl chloride	ug/L	ND	2000	2000	2270	2150	113	108	75-134	5	30	
Xylene (Total)	ug/L	17600	6000	6000	23000	22500	90	82	75-125	2	30	
1,2-Dichloroethane-d4 (S)	%						116	110	75-125			
4-Bromofluorobenzene (S)	%						98	99	75-125			
Dibromofluoromethane (S)	%						104	99	75-125			
Toluene-d8 (S)	%						97	97	75-125			

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QUALIFIERS

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DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

U - Indicates the compound was analyzed for, but not detected.

ANALYTE QUALIFIERS

CH	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.
D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
E	Analyte concentration exceeded the calibration range. The reported result is estimated.
L0	Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
L1	Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results may be biased high.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
P4	Sample field preservation does not meet EPA or method recommendations for this analysis.
P6	Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.
R1	RPD value was outside control limits.
S0	Surrogate recovery outside laboratory control limits.
S5	Surrogate recovery outside control limits due to matrix interferences (not confirmed by re-analysis).
T6	High boiling point hydrocarbons are present in the sample.