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January 31, 2011

Waukesha County Department of Parks and Land Use
515 West Moreland Boulevard
Room AC 260
Waukesha, WI 53188

Attn: Leslie W. Williams, RHSP, CHMM
Hazardous Materials Coordinator

Re: 2010 Groundwater Monitoring Results
Former Firestone Property
S73 W16437 Janesville Road
Muskego, Wisconsin
PSI Project No.: 0054263
WDNR FID: 268181540
WDNR BRRTS: 03-68-554227

Dear Ms. Williams:

Professional Service Industries, Inc. (PSI) has performed the first, second and third rounds of groundwater monitoring at the above referenced property. This letter report has been prepared in general accordance with Wisconsin Department of Natural Resources (WDNR's) *Guidance on Natural Attenuation for Petroleum Releases PUB-RR-614*. The following is a summary of the work performed, data analysis for natural attenuation and a review of the groundwater sample laboratory analytical results.

PROJECT BACKGROUND/WELL INSTALLATION

PSI completed a NR 716 Site Investigation Work Plan for the Firestone Property on March 9, 2010. As indicated in that plan, PSI recommended completing the work in two phases, referred to as Task 1 and Task 2. The purpose of Task 1, which has been completed, was to define the degree and extent of soil contamination on the property and to provide groundwater data to support the placement of permanent wells. Task 2 included the placement of permanent wells and groundwater sampling/monitoring. In 2010, three rounds of groundwater sampling were completed at the site, the findings of which are presented herein.

PSI installed five NR 141 compliant groundwater monitoring wells (MW-2, MW-4, MW-5, MW-11 and MW-12) on the subject property on May 27 and June 1, 2010. The locations of the monitoring wells were approved prior to installation by Ms. Leslie W. Williams, RHSP, CHMM, Waukesha County Department of Parks and Land Use Hazardous Materials Coordinator and are shown on Figure 2. Investigation derived wastes generated during the well installation and development activities were containerized in 55-gallon drums. The 55-gallon drums of soil and groundwater were transported by Advanced Waste Services, Inc. to their ChemWorks Treatment Facility in

Milwaukee, WI on September 23, 2010. The Non-Hazardous Waste Manifest sheet is included in Appendix A. The site location map is included as Figure 1.

After advancing the soil borings, the monitoring wells were constructed in accordance with NR 141 and completed with 2-inch diameter Schedule 40 polyvinyl chloride (PVC) casings and 15-foot well screens to the final borehole depth. The WDNR monitoring well construction reports are included in Appendix B.

On June 16, August 23, September 8 and December 7 2010, the subject site groundwater monitoring well network was surveyed relative to a site benchmark with an established elevation of 818.67 feet above mean sea level (amsl). The site benchmark was the top nut on the fire hydrant south of Janesville Road and approximately 75-feet north of the centerline driveway of W163 S7324 and approximately 30-feet east of the centerline of Bay Lane Drive.

WELL DEVELOPMENT AND SAMPLING

On June 3, June 16, September 8 and December 7 2010, the subject site groundwater monitoring well network was developed with 2-inch diameter disposable bailers until four times the volume of water in the filter pack and well casing was removed or until the groundwater column failed to adequately recharge the well. The WDNR monitoring well development forms are included in Appendix C.

Following well development activities on June 16, September 8 and December 7, 2010, static groundwater levels and groundwater samples were collected from the subject site groundwater monitoring well network. Groundwater samples were collected in laboratory-supplied containers and submitted to Pace Analytical Laboratory under proper chain-of custody procedures for analysis of volatile organic compounds (VOCs), polynuclear aromatic hydrocarbons (PAHs) and dissolved lead. Disposable Nitrile gloves were used in conjunction with the 2-inch diameter disposable bailers to minimize cross contamination of the samples.

AQUIFER CHARACTERISTICS

The subject property's hydrogeology, contaminants, hydraulic head, hydraulic gradient, hydraulic conductivity, groundwater velocity and transmissivity are important parameters for defining contaminant plume behavior. Finer-grained materials, such as the site soils, have a high porosity but also have a high specific retention (water stored in an aquifer that is retained as a film on the aquifer material or in very small openings) and low specific yield (water stored in an aquifer that will drain under the influence of gravity) when compared to their coarse-grained counterparts, thereby limiting the groundwater movement.

Hydrogeology

Groundwater availability from the Quaternary deposits is directly proportional to the amount of permeable, well-sorted sand and gravel within the glacial drift. The area of the subject property is mostly underlain by fine-grained till with a few sand and gravel deposits. The sand and gravel aquifer consists primarily of layers or lenses within alluvial and glacial deposits and is extremely variable in thickness. The sand and gravel aquifer occurs as broad outwash deposits, isolated lenses within less permeable deposits, stream terraces, valley fill directly overlying bedrock, and other materials

deposited by water or glacier. The sand and gravel aquifer is connected hydrologically with the Silurian dolomite aquifer. Water moves freely between the aquifers, which generally are considered to be a single hydrologic unit referred to as the shallow aquifer.

The Silurian dolomite aquifer is present only in eastern Wisconsin. It was formerly referred to as the Niagara dolomite aquifer, named after the main Silurian formation in Wisconsin. The Silurian dolomite is the uppermost bedrock aquifer in most of the Region and the primary source of most domestic water supplies and many high-capacity wells in the area underlain by the Maquoketa Formation. Water in the aquifer, although confined locally where overlain by clayey till, is generally under water table conditions. The aquifer is often hydraulically connected to the sand and gravel aquifer.

The Maquoketa Formation underlies the Silurian dolomite aquifer and is exposed at the bedrock surface only in the certain parts of Waukesha County. Rock in this unit, which is primarily shale with some dolomite, forms a continuous, low-permeability layer that restricts vertical groundwater flow between the Silurian dolomite aquifer and the underlying sandstone aquifer. Weathered zones near the top of the Maquoketa Formation may yield small amounts of water, but few wells are open exclusively to it.

The upper and lower sandstone aquifer includes all of the Cambrian and Ordovician rocks between the top of the Precambrian basement and the bottom of the Maquoketa Formation. There is a semi-confining unit that locally restricts groundwater flow between the upper and lower sandstone aquifers; however, this unit is not continuous throughout the region. Because the water circulates between the various stratigraphic units of the sandstone aquifers and the semi-confining unit, the aquifer acts as a single hydraulic unit. The overlying semi-permeable Maquoketa Formation acts as a semi-confining bed and maintains artesian pressure in the sandstone aquifers.

Precambrian crystalline rock, mostly granite, underlies the Cambrian sedimentary sequence. Its characteristics are poorly known because only a very few wells reach the Precambrian surface in Southeastern Wisconsin. The Precambrian basement is not a source of water supply in the region. It is assumed to have a very low permeability and forms the lower boundary of the important sandstone aquifer.

Analytical Results

Public health groundwater quality standards are established in Wisconsin Administrative Code (WAC) Chapter NR 140 for several contaminants. Two water quality standards, the Enforcement Standard (ES) and the Preventive Action Limit (PAL) have been established for substances of public health and welfare concern. The ES represents the concentration that requires the implementation of response measures, which typically consist of remedial action or additional investigations. The PAL represents a lower concentration, which typically requires an assessment of the potential for concentrations to exceed the enforcement standards and implementation of responses to prevent an exceedence of the enforcement standards.

<u>June 2010 Groundwater Sampling Event</u>

Groundwater samples collected from the NR 141 groundwater monitoring wells on June

16, 2010 were submitted for laboratory analysis of VOCs, PAHs and dissolved lead. The groundwater sample analytical results indicated the following:

- Benzene and 1,2-Dichloroethane (1,2-DCA) were detected in groundwater sample MW-2 at concentrations above their respective NR 140 ESs. Lead was also detected in groundwater sample MW-2 at a concentration above the NR 140 PAL; however, the lead concentration in MW-2 was detected between the laboratory Limit of Detection (LOD) and the Limit of Quantitation (LOQ) and is not considered to be substantial.

- Chrysene was detected in groundwater samples MW-5, MW-11 and MW-12 at concentrations above their respective NR 140 PALs; however, the concentration in MW-5 was detected between the laboratory LOD and LOQ and is not considered to be substantial. Additionally, benzo(a)pyrene and benzo(b)fluoranthene in MW-11 and lead in MW-12 were detected at concentrations above their respective NR 140 PALs; however, these concentrations were detected between the laboratory LOD and LOQ and are not considered to be substantial.

- Low levels of various VOCs were detected in groundwater sample MW-2 and low levels of various PAHs were detected in all the groundwater samples. These detects are well below the WDNR NR 140 ESs and PALs and are not considered to be substantial.
- Lead was not detected above laboratory method detection limits in groundwater samples MW-4, MW-5 and MW-11. VOCs were not detected above laboratory method detection limits in groundwater samples MW-4, MW-5, MW-11 and MW-12.

<u>September 2010 Groundwater Sampling Event</u>

Groundwater samples collected from the NR 141 groundwater monitoring wells on September 8, 2010 were submitted for laboratory analysis of VOCs, PAHs and dissolved lead. The groundwater sample analytical results indicated the following:

- VOC constituents benzene and 1,2-DCA were detected in groundwater sample MW-2 at concentrations above their respective NR 140 ESs. Additionally, chloromethane was detected in groundwater samples MW-2, MW-4, MW-5, and MW-12 at concentrations above the NR 140 PAL; however, these concentrations were detected between the laboratory LOD and LOQ and are not considered to be substantial. Also, chloromethane is a common laboratory cross-contaminant; therefore, these chloromethane detections may be erroneous.
- Lead was detected in all the groundwater samples at concentrations above the NR 140 PAL; however, these concentrations were detected between the laboratory LOD and the LOQ and are not considered to be substantial.
- PAH constituent chrysene was detected in groundwater samples MW-2 and MW-11 at concentrations above the NR 140 PAL; however, these concentrations

were detected between the laboratory LOD and LOQ and are not considered to be substantial.

- Low levels of various VOCs were detected in groundwater sample MW-2 and low levels of various PAHs were detected in all the groundwater samples. These detects are well below the WDNR NR 140 ESs and PALs and are not considered to be substantial.
- With the exception of chloromethane, VOCs were not detected above laboratory method detection limits in groundwater samples MW-4, MW-5, MW-11 and MW-12.

December 2010 Groundwater Sampling Event

Groundwater samples collected from the NR 141 groundwater monitoring wells on December 7, 2010 were submitted for laboratory analysis of VOCs, PAHs and dissolved lead. The groundwater sample analytical results indicated the following:

- VOC constituents benzene and 1,2-DCA were detected in groundwater sample MW-2 at concentrations above their respective NR 140 ESs. Chloromethane was detected in groundwater sample MW-2 at a concentration exceeding the NR 140 PAL; however, this concentration was detected between the laboratory LOD and LOQ and is not considered to be substantial. Additionally, methylene chloride was detected in groundwater sample MW-11 at a concentration exceeding the NR 140 PAL. Chloromethane and methylene chloride are common laboratory cross-contaminants; therefore, these chloromethane and methylene chloride detections may be erroneous.
- Lead was detected in groundwater sample MW-12 at a concentration exceeding the NR 140 ES. Additionally, lead was detected in groundwater samples MW-2, MW-4, MW-5 and MW-11 at concentrations above the NR 140 PAL; however, these concentrations were detected between the laboratory LOD and the LOQ and are not considered to be substantial.
- PAH constituent chrysene was detected in groundwater samples MW-5, MW-11 and MW-12 at concentrations above the NR 140 PAL; however, these concentrations were detected between the laboratory LOD and LOQ and are not considered to be substantial.

A summary of groundwater analytical data is presented in Table 1 with the most recent sampling event data depicted on Figure 3. Copies of the laboratory analytical reports are attached in Appendix D.

Chemical/Physical Properties of the Contaminants

The chemical and physical properties of the contaminants are critical for determining contaminant plume behavior and whether natural attenuation processes will reduce contaminant concentration to achieve site cleanup goals. The contaminants of concern found at the subject property exhibit the following contaminant properties

- Benzene -- Benzene is one of the most common contaminants of concern at petroleum sites and can naturally biodegrade under most subsurface conditions.

The rate of degradation can vary significantly from site to site. Benzene's biodegradability is relative to the available terminal electron acceptors at the site.

- 1,2 - DCA -- Leaded gasolines, no longer produced, contained 1,2- DCA. 1,2-DCA is degradable to carbon dioxide and water under aerobic as well as anaerobic conditions. 1,2-DCA is not strongly retarded in the aquifer matrix and can migrate significantly beyond the source zone.

- Polycyclic Aromatic Hydrocarbons (PAHs) -- These compounds are composed of 2 to 7 fused aromatic rings. The longer chain, higher molecular weight PAHs are relatively resistant to biodegradation. However, PAHs are only slightly soluble and have a high affinity for soil surfaces. The majority of PAHs remain in weathered petroleum in the source zone after the more soluble and biodegradable petroleum components have been removed.

- Lead (Pb) -- Natural attenuation processes do not reduce the total mass of metals in the subsurface. However, processes of adsorption, ion exchange, precipitation and complexation with organic matter limit the mobility of lead and reduce the mass of lead in the groundwater. The amount of dissolved lead in groundwater depends on pH, the concentration of dissolved salts and colloid formation.

Hydraulic Head

Hydraulic head is an indicator of the total energy available to move ground water through an aquifer. Hydraulic head is measured by the height to which a column of water will stand above a reference elevation (or "datum"). The datum for the subject property was the site benchmark with an established elevation of 818.67-feet amsl. The site benchmark was the top nut on the fire hydrant on the east side of Bay Lane Drive (Table 2). Because hydraulic head represents the energy of water, ground water flows from locations of higher hydraulic head to locations of lower hydraulic head.

On June 16, August 23, September 8 and December 7, 2010, the static groundwater levels were measured in each well from TOC. The depths to water measurements and groundwater elevations from the most recent sampling event are summarized in the following table:

GROUNDWATER DATA – 12/7/2010 (SURFACE ELEVATION = 818.67 FEET AMSL)		
MONITORING WELL	**DEPTH TO WATER TABLE (FT)**	**ELEVATION OF WATER TABLE (FEET AMSL)**
MW-2	7.20	815.53
MW-4	6.61	814.79
MW-5	5.11	816.43
MW-11	6.65	806.02
MW-12	7.51	809.72

The June 16, August 23 September 8 and December 7 2010 groundwater elevation contour maps are included as Figures 4, 5, 6 and 7, respectively.

Hydraulic Gradient (i)

The change in hydraulic head over a specified distance in a given direction is called the "hydraulic gradient." Since groundwater always flows in the direction of decreasing head, the hydraulic gradient was calculated using the following equation:

$$i = \frac{h_1 - h_2}{l}$$

i = hydraulic gradient
h_1 = elevation head at MW-5 (12/7/2010)
h_2 = elevation head at MW-11 (12/7/2010)
l = Distance between wells (feet)

i = 816.43-ft – 806.02-feet/185-feet = 0.056 ft/ft

Based on our interpretation of the physical setting sources, past data, hydraulic calculations and our experience, PSI infers that the shallowest groundwater:

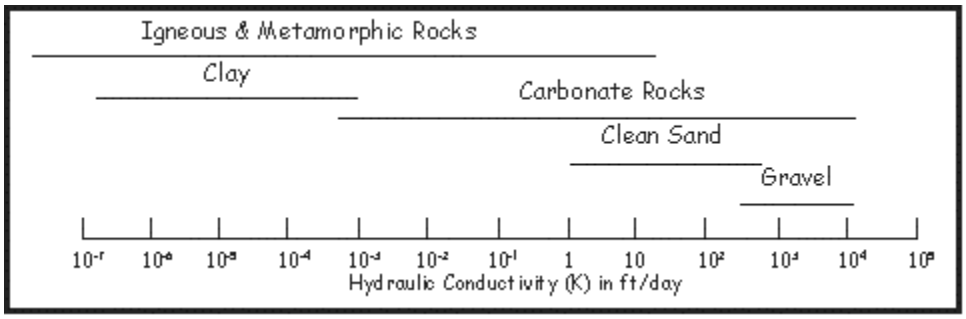
- Occurs between 5 and 8-feet below ground surface;
- Exists under unconfined conditions; and
- Flows south-southwest towards Big Muskego Lake.

Actual groundwater flow may be locally influenced by seasonal rainfall, proximity to surface bodies of water (lakes, rivers, canals), surface topography, underground structures, soil and bedrock geology, production wells and other factors beyond the scope of this study.

Hydraulic Conductivity (K)

Hydraulic conductivity is one of the most critical parameters in assessing the ability of natural attenuation to prevent plume migration. Hydraulic conductivity is a measure of the capacity of rock or other medium to transmit fluids. The hydraulic conductivity of a geologic formation depends on a variety of physical factors including porosity, particle size/distribution/shape/arrangement and secondary features such as fracturing and dissolution. In general, fine-grained clayey materials (like those seen at the subject property) exhibit lower values of hydraulic conductivity than coarse-grained materials.

An aquifer-test of the subject property to determine the hydraulic conductivity was outside the scope of this study. As an alternative, a tabulation of typical hydraulic conductivities for different materials was used. The following table shows the range of values commonly exhibited by geologic materials:



(adapted from Freeze and Cherry, 1979)

Based on the table and the soil types present at the site, the estimated hydraulic conductivity of the site soils is 1 x 10^{-7} feet/day.

Groundwater Velocity (v)

The groundwater at the subject property is moving through aquifer materials that impede ground water velocity. To account for this we need to include effective porosity (ne) because this value better represents water flowing through an aquifer under the forces of gravity. Thus the velocity equation is:

$$v = \left(\frac{Kdh}{n_e dl}\right)$$

The ground water velocity equation
(n_e is effective porosity)

The groundwater velocity for the site was calculated using data already calculated where:

K = 0.00001 feet/day
dh/dl = *i* = 0.056 ft/ft
n_e = 0.02 (effective porosity given to clayey material, unitless)

$$v = \frac{0.00001 \text{ ft}}{\text{day}} \times \frac{1}{0.02} \times \frac{0.056 \text{ ft}}{\text{ft}}$$

$$v = 0.000028 \text{ ft/day}$$

Transmissivity (T)

Transmissivity is the volume of water flowing through a cross-sectional area of an aquifer that is 1-foot x the aquifer thickness (b) under a hydraulic gradient (K) of 1-foot/1-foot in a given amount of time (usually a day). Thus the transmissivity equation is:

T = Kb

The Oak Creek Formation and underlying unconsolidated glacial deposits in the area of the subject property are locally 100-200 feet thick according to the Depth to Bedrock Map in Wisconsin (1973); thus we will assume the unconsolidated aquifer thickness is 150-feet thick. Thus, the transmissivity for the site is:

T = (0.00001 feet/day)(150 feet) = 0.0015 feet^2/day

MANN-KENDALL STATISTICAL TEST

Mann-Kendall is a non-parametric test and as such, it is not dependent upon the magnitude of data, assumptions of distribution, missing data or irregularly spaced monitoring periods. Mann-Kendall assesses whether a time-ordered data set exhibits an increasing or decreasing trend, within a predetermined level of significance. Decreasing contaminant concentrations with time in conjunction with a stable or receding contaminant plume are primary evidence that natural attenuation processes are effective. However, this initial investigation does not contain enough data to assess the subject property contaminant trends with time. Long-term monitoring is needed to assess the data trends.

CONCLUSIONS AND RECOMMENDATIONS

PSI performed the first, second and third rounds of quarterly groundwater monitoring at the subject property on June 16, September 8 and December 7, 2010, respectively. The most recent sampling event showed benzene, 1,2-DCA and dissolved lead above the NR 140 ES and lead, chloromethane, methylene chloride and PAH chrysene above the NR 140 PAL. The source of the contamination is unknown; however, the contamination most likely originated in the subsurface somewhere in the vicinity of MW-2.

PSI recommends collecting, at a minimum, one additional quarterly round of groundwater samples for VOCs, PAHs and dissolved lead to determine the evolution of the natural attenuation process on the site groundwater contaminant plume. After the four quarterly rounds of sampling are complete, PSI will apply the Mann-Kendall Statistical test (which requires at least four rounds of monitoring) to the groundwater analysis results to determine the statistical trend in groundwater contaminant concentrations over time. Regulatory case closure would likely be warranted if a decreasing or stable trend in contaminant levels is achieved over this period. As part of closure, the groundwater monitoring wells would have to be abandoned and the site may need to be placed on the WDNR's Geographic Information System (GIS) Registry.

Thank you for choosing PSI as your consultant for this project. If you have any questions, please call us at (262) 347-0898.

Respectfully submitted,

PROFESSIONAL SERVICE INDUSTRIES, INC.

Matthew J. Dahlem, P.G.
Professional Geologist

Larry Raether, P.E.
Department Manager

LIST OF TABLES

Table 1: Summary of Groundwater Sample Analytical Results
Table 2: Groundwater Elevation Data

TABLE 1

Summary of Groundwater Sample Analytical Results
Firestone Property
S73 W16437 Janesville Road
Muskego, Wisconsin

Analytical Parameter	Sample ID / Date / Units	MW-2 6/16/2010	MW-2 9/8/2010	MW-2 12/7/2010	MW-4 6/16/2010	MW-4 9/8/2010	MW-4 12/7/2010	MW-5 6/16/2010	MW-5 9/8/2010	MW-5 12/7/2010	MW-11 6/16/2010	MW-11 9/8/2010	MW-11 12/7/2010	MW-12 6/16/2010	MW-12 9/8/2010	MW-12 12/7/2010	NR 140 ES	NR 140 PAL
Dissolved Lead	ug/l	**3.1 J**	**6.0 J**	**6.3 J**	< 1.7	**4.0 J**	**2.5 J**	< 1.7	**1.9 J**	**1.9 J**	< 1.7	**4.6 J**	**2.2 J**	**2.4 J**	**4.3 J**	54.9	15	1.5
Detected VOCs																		
Benzene	ug/l	100	114	116	< 0.41	<0.41	< 0.41	< 0.41	<0.41	<0.41	< 0.41	< 0.41	< 0.41	< 0.41	<0.41	< 0.41	5	0.5
Chloromethane	ug/l	<0.24	**0.83 J**	**0.39 J**	<0.24	**0.71 J**	0.27 J	<0.24	**0.67 J**	<0.24	<0.24	< 0.24	< 0.24	<0.24	**0.86 J**	< 0.24	3	0.3
1,2-Dichloroethane	ug/l	25.9	27.1	32.6	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	<0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	5	0.5
Ethylbenzene	ug/l	14.7	15.9	10.6	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	700	140
Isopropylbenzene (Cumene)	ug/l	0.59J	1.8	0.84 J	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59	---	---
p-Isopropyltoluene	ug/l	< 0.67	0.98 J	< 0.67	< 0.67	<0.67	< 0.67	< 0.67	< 0.67	< 0.67	< 0.67	< 0.67	< 0.67	< 0.67	<0.67	<0.67	---	---
Methylene Chloride	ug/l	< 0.43	< 0.43	< 0.43	< 0.43	< 0.43	< 0.43	< 0.43	< 0.43	< 0.43	< 0.43	< 0.43	**1.2**	< 0.43	< 0.43	< 0.43	5	0.5
n-Propylbenzene	ug/l	1.2	3.7	1.3	< 0.81	< 0.81	< 0.81	< 0.81	< 0.81	< 0.81	< 0.81	< 0.81	< 0.81	< 0.81	< 0.81	< 0.81	---	---
Toluene	ug/l	93.4	4.8	3.3	< 0.67	< 0.67	< 0.67	< 0.67	< 0.67	< 0.67	< 0.67	< 0.67	< 0.67	< 0.67	< 0.67	< 0.67	1,000	200
Trimethylbenzenes*	ug/l	15.9	19.7	3.1	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	480	96
Total Xylenes**	ug/l	21.4	4.3	0.89 J	< 2.63	< 2.63	< 2.63	< 2.63	< 2.63	< 2.63	< 2.63	< 2.63	< 2.63	< 2.63	< 2.63	< 2.63	10,000	1,000
PAHs																		
Acenaphthene	ug/l	0.0051 J	0.0066 J	< 0.0045	< 0.0045	< 0.0045	< 0.0045	< 0.0045	< 0.0045	< 0.0045	< 0.0045	< 0.0045	< 0.0045	0.0081 J	< 0.0045	< 0.0046	---	---
Acenaphthylene	ug/l	< 0.0036	< 0.0036	< 0.0036	< 0.0036	< 0.0036	< 0.0036	< 0.0036	< 0.0036	< 0.0036	0.0042 J	< 0.0036	< 0.0036	0.0061 J	< 0.0036	< 0.0037	---	---
Anthracene	ug/l	0.010 J	< 0.0057	< 0.0057	0.0074 J	0.0065 J	< 0.0057	0.0095 J	< 0.0057	0.0057 J	0.0093 J	0.0066 J	0.0058 J	0.019 J	0.0059 J	0.0088 J	3,000	600
Benzo(a)anthracene	ug/l	0.0076 J	0.0089 J	< 0.0036	0.011 J	0.0084 J	0.0050 J	0.0081 J	< 0.0036	0.0057 J	0.023 J	0.012 J	0.016 J	0.015 J	0.0038 J	0.0078 J	---	---
Benzo(a)pyrene	ug/l	0.0080 J	0.0089 J	< 0.0029	0.013 J	0.0074 J	0.0038 J	0.0055 J	< 0.0029	0.0029 J	**0.030 J**	0.015 J	0.016 J	0.011 J	0.0030 J	0.0052 J	0.2	0.02
Benzo(b)fluoranthene	ug/l	0.010 J	0.014 J	0.0041 J	0.016 J	0.010 J	0.0054 J	0.0084 J	0.0035 J	0.0056 J	**0.037 J**	0.013 J	0.020 J	0.015 J	0.0042 J	0.011 J	0.2	0.02
Benzo(ghi)perylene	ug/l	0.011 J	0.014 J	< 0.0048	0.013 J	0.013 J	0.0063 J	0.018 J	0.0066 J	0.013 J	0.030 J	0.015 J	0.019 J	0.039 J	0.0094 J	0.022 J	---	---
Benzo(k)fluoranthene	ug/l	0.012 J	0.011 J	< 0.0044	0.012 J	0.010 J	0.0050 J	< 0.0044	< 0.0044	< 0.0044	0.026 J	0.017 J	0.014 J	0.0076 J	< 0.0044	0.0054 J	---	---
Chrysene	ug/l	0.014 J	**0.023 J**	0.0065 J	0.020 J	0.018 J	0.011 J	**0.040 J**	0.013 J	**0.023 J**	**0.047**	**0.026 J**	**0.030 J**	**0.078**	0.018 J	**0.035 J**	0.2	0.02
Dibenz(a,h)anthracene	ug/l	< 0.0032	< 0.0032	< 0.0032	< 0.0032	< 0.0032	< 0.0032	< 0.0032	< 0.0032	< 0.0032	0.0079 J	< 0.0032	0.0047 J	0.0046 J	< 0.0032	< 0.0033	---	---
Fluoranthene	ug/l	0.015 J	0.027 J	0.0086 J	0.035 J	0.022 J	0.018 J	0.023 J	0.0072 J	0.010 J	0.072	0.030 J	0.030 J	0.029 J	0.0093 J	0.013 J	400	80
Fluorene	ug/l	< 0.0048	< 0.0048	< 0.0048	0.0054 J	< 0.0048	< 0.0048	0.0092 J	< 0.0048	0.0065 J	0.0094 J	< 0.0048	< 0.0048	0.018 J	0.0065 J	0.010 J	400	80
Indeno(1,2,3-cd)pyrene	ug/l	0.0074 J	0.0076 J	< 0.0047	0.0099 J	0.0071 J	< 0.0047	< 0.0047	< 0.0047	< 0.0047	0.021 J	0.0092 J	0.010 J	0.0065 J	< 0.0047	< 0.0048	---	---
1-Methylnaphthalene	ug/l	0.0082 J	0.07	0.013 J	0.023 J	0.012 J	0.018 J	0.067	0.026 J	0.022 J	0.016 J	0.014 J	0.013 J	0.11	0.044 J	0.032 J	---	---
2-Methylnaphthalene	ug/l	0.037 J	0.066	0.032 J	0.045 J	0.024 J	0.041 J	0.11	0.049	0.043 J	0.032 J	0.029 J	0.029 J	0.17	0.073	0.054	---	---
Naphthalene	ug/l	0.036 J	0.26	0.13	0.097	0.028 J	0.040 J	0.11	0.031 J	0.035 J	0.028 J	0.021 J	0.019 J	0.078	0.043 J	0.033 J	100	10
Phenanthrene	ug/l	0.014 J	0.017 J	0.015 J	0.031 J	0.022 J	0.024 J	0.056	0.022J	0.034 J	0.045 J	0.025 J	0.026 J	0.12	0.034 J	0.058	---	---
Pyrene	ug/l	0.13	0.33	0.1	0.11	0.097	0.070	0.32	0.075	0.17	0.15	0.059	0.10	0.14	0.05	0.089	250	50

Notes:
Boxed concentrations exceed NR 140 ES
Bold concentrations exceed NR 140 PAL
--- - not analyzed/no standard established
J - concentration detected between the laboratory limit of detection and the limit of quantitation
ES - NR 140 Enforcement Standard
PAH - polynuclear aromatic hydrocarbons
PAL - NR 140 Preventive Action Limit
ug/l - micrograms per liter
VOC - volatile organic compounds
*1,2,4− and 1,3,5− combined
**Includes meta−, ortho−, and para−xylene combined. The preventive action limit has been set at a concentration that is intended to address taste and od
concerns associated with this substance

TABLE 2

Groundwater Elevation Data
S73 W16437 Janesville Road
Muskego, Wisconsin

Date Collected	MW-2		MW-4		MW-5		MW-11		MW-12	
	GS Elev. =	823.12	GS Elev. =	821.94	GS Elev. =	822.10	GS Elev. =	818.10	GS Elev. =	817.59
	TOC Elev. =	822.73	TOC Elev. =	821.40	TOC Elev. =	821.54	TOC Elev. =	817.42	TOC Elev. =	817.23
	TOS Elev. =	818.28	TOS Elev. =	816.35	TOS Elev. =	816.69	TOS Elev. =	812.67	TOS Elev. =	812.38
	BOW Elev. =	803.28	BOW Elev. =	801.35	BOW Elev. =	801.69	BOW Elev. =	797.67	BOW Elev. =	797.38
	Depth to GW[1]	GW Elevation	Depth to GW[1]	GW Elevation	Depth to GW[1]	GW Elevation	Depth to GW[1]	GW Elevation	Depth to GW[1]	GW Elevation
6/16/2010	3.55	819.18	3.91	817.49	2.87	818.67	4.92	812.50	5.58	811.65
8/23/2010	4.13	818.60	4.38	817.02	4.15	817.39	5.71	811.71	6.45	810.78
9/8/2010	4.20	818.53	4.93	816.47	4.26	817.28	5.86	810.77	6.66	810.57
12/7/2010	7.20	815.53	6.61	814.79	5.11	816.43	6.65	806.02	7.51	809.72

Notes:

GS Elev. - Ground Surface Elevation
TOC Elev. - Top of Casing Elevation
TOS Elev. - Top of Screen Elevation
BOW Elev. - Bottom of Well Elevation
GW - Groundwater
1 - Depth to groundwater measured from top of well casing

* Monitoring well elevations were surveyed relative to an established site benchmark with an established elevation of 818.67-feet above mean sea level. The site benchmark was the top nut on the fire hydrant south of Janesville Road and ~75-feet north of the centerline driveway of W163 S7324 and ~30-feet east of the centerline of Bay Lane Drive.

LIST OF FIGURES

Figure 1: Site Location Map
Figure 2: Site Layout
Figure 3: Groundwater Results Map (12/7/2010)
Figure 4: Groundwater Elevation Contour Map (6/16/2010)
Figure 5: Groundwater Elevation Contour Map (8/23/2010)
Figure 6: Groundwater Elevation Contour Map (9/8/2010)
Figure 7: Groundwater Elevation Contour Map (12/7/2010)

Source: United States Geological Survey, Muskego & Hales Corners, Wisconsin, 7.5-Minute Topographic Maps, 1959, photorevised 1971 and 1976

N

SCALE 1:24,000
APPROXIMATE SCALE

0 1 2

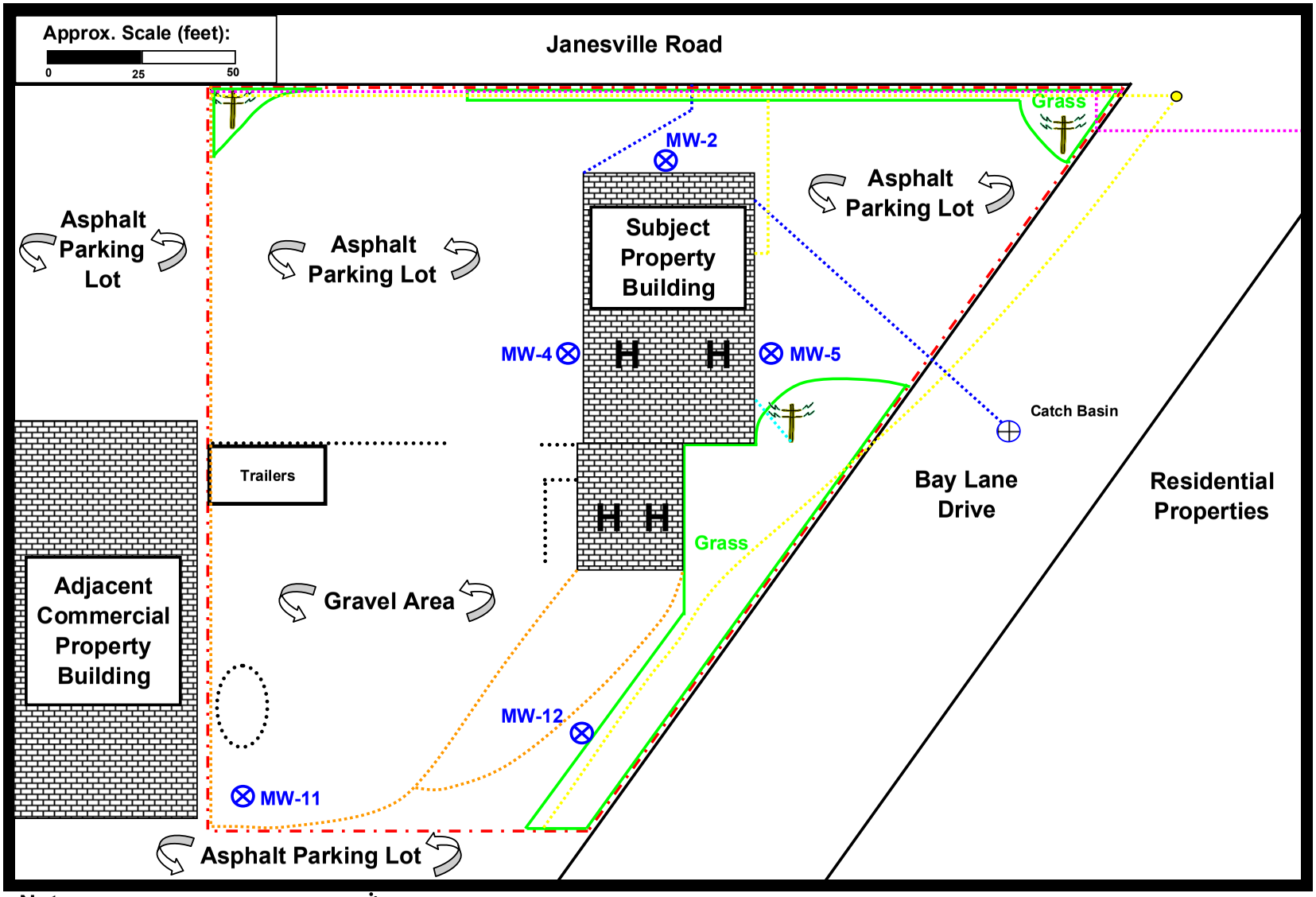
0 1000 2000 3000 4000 5000 6000 7000 8000 FEET

0 1 2 KILOMETERS

CONTOUR INTERVAL 10 FEET

Southeast 1/4 of the Northwest 1/4 of Section 10, Township 5 North, Range 20 East

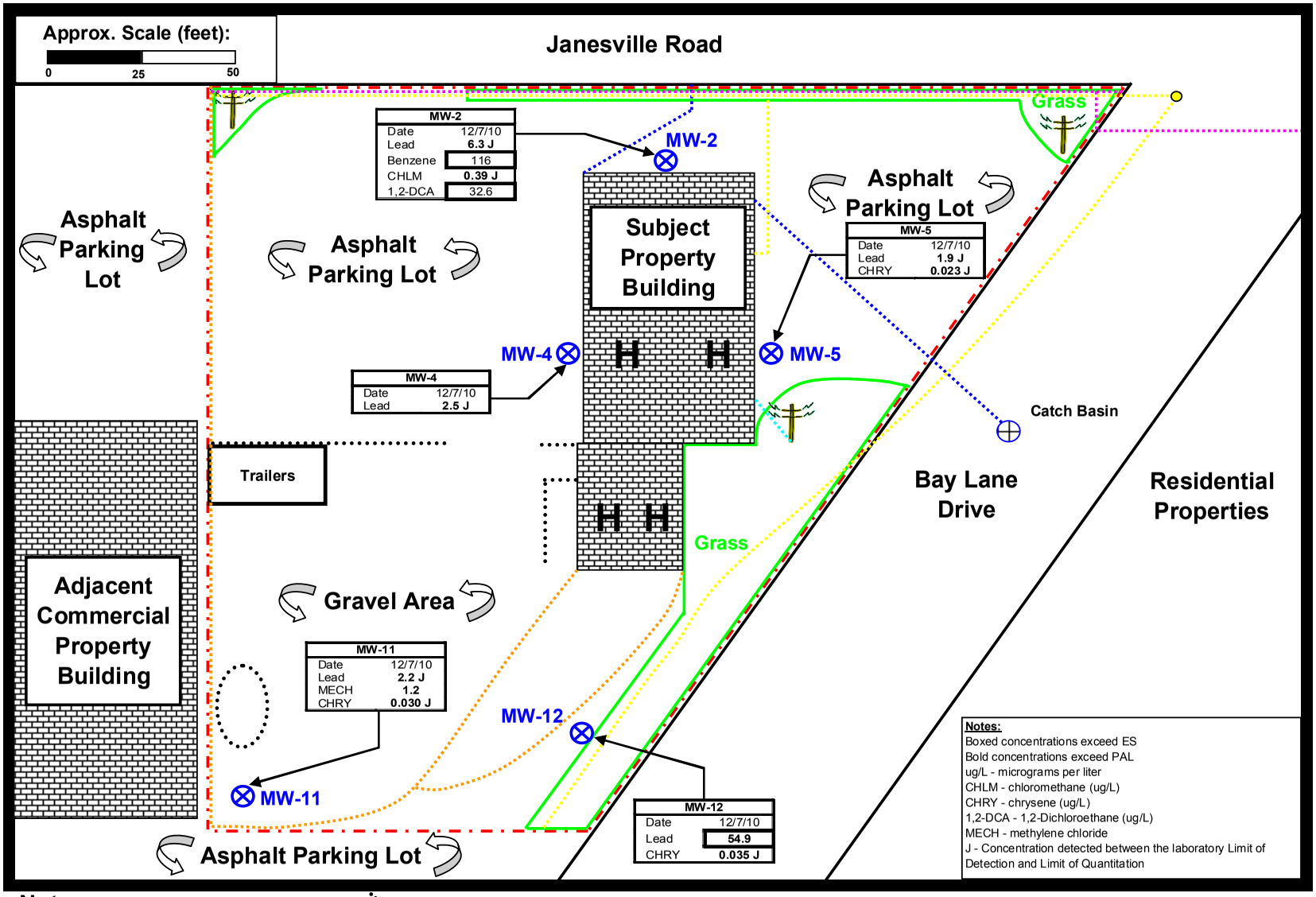
psi Information To Build On Engineering • Consulting • Testing	Environmental Services W237 N2878 Woodgate Rd., Ste. 2 Pewaukee, Wisconsin 53072 (262) 347-0898 Fax (262) 347-2256	Firestone Property S73 W16437 Janesville Road Muskego, Wisconsin **Site Location Map**	DATE: 8/23/2010	PROJECT NO: 0054263 **Figure 1**



Notes:

- Telephone Pole
- Approximate Former UST Location
- Fence
- Water Line
- Subject Property Boundary
- Underground Hydraulic Lifts
- NR 141 Monitoring Well Location
- WE Power Line/Time Warner Cable
- AT&T Underground Utility
- WE Underground Gas Utility
- Traffic Signal Underground Utility

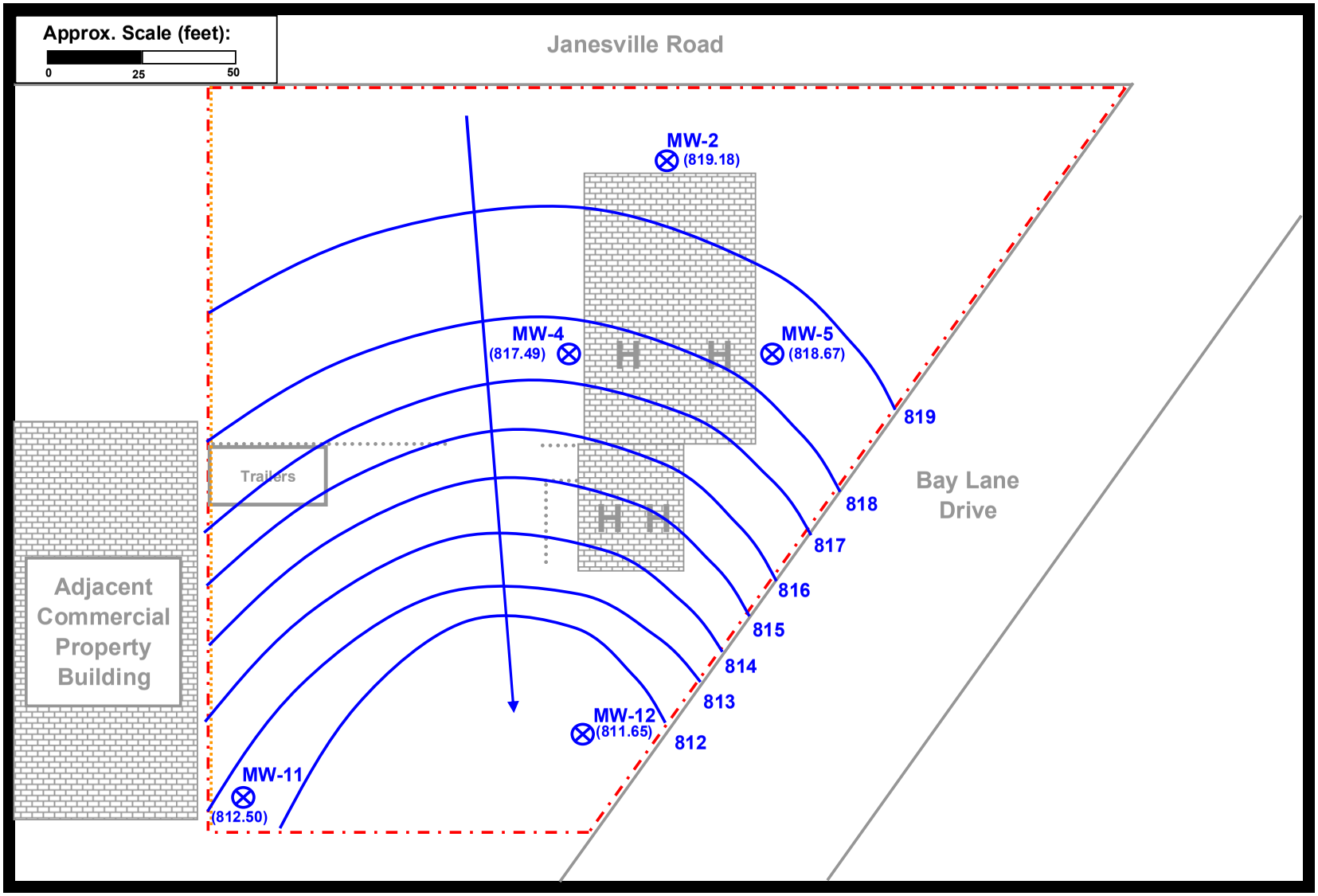
psi Information To Build On Engineering • Consulting • Testing	**Environmental Services** W228 N727 Westmound Drive Waukesha, Wisconsin 53186 (262) 970-9022 Fax (262) 970-9033	**S73 W16437 Janesville Road** Muskego, Wisconsin	**PSI Project Number:** 0054263		NORTH
		Figure 2 Site Layout	**Scale:** See Above	**Date:** 6/15/2010	



Notes:

- Telephone Pole
- Approximate Former UST Location
- Fence
- Water Line
- Subject Property Boundary
- H - Underground Hydraulic Lifts
- NR 141 Monitoring Well Location
- WE Power Line/Time Warner Cable
- AT&T Underground Utility
- WE Underground Gas Utility
- Traffic Signal Underground Utility

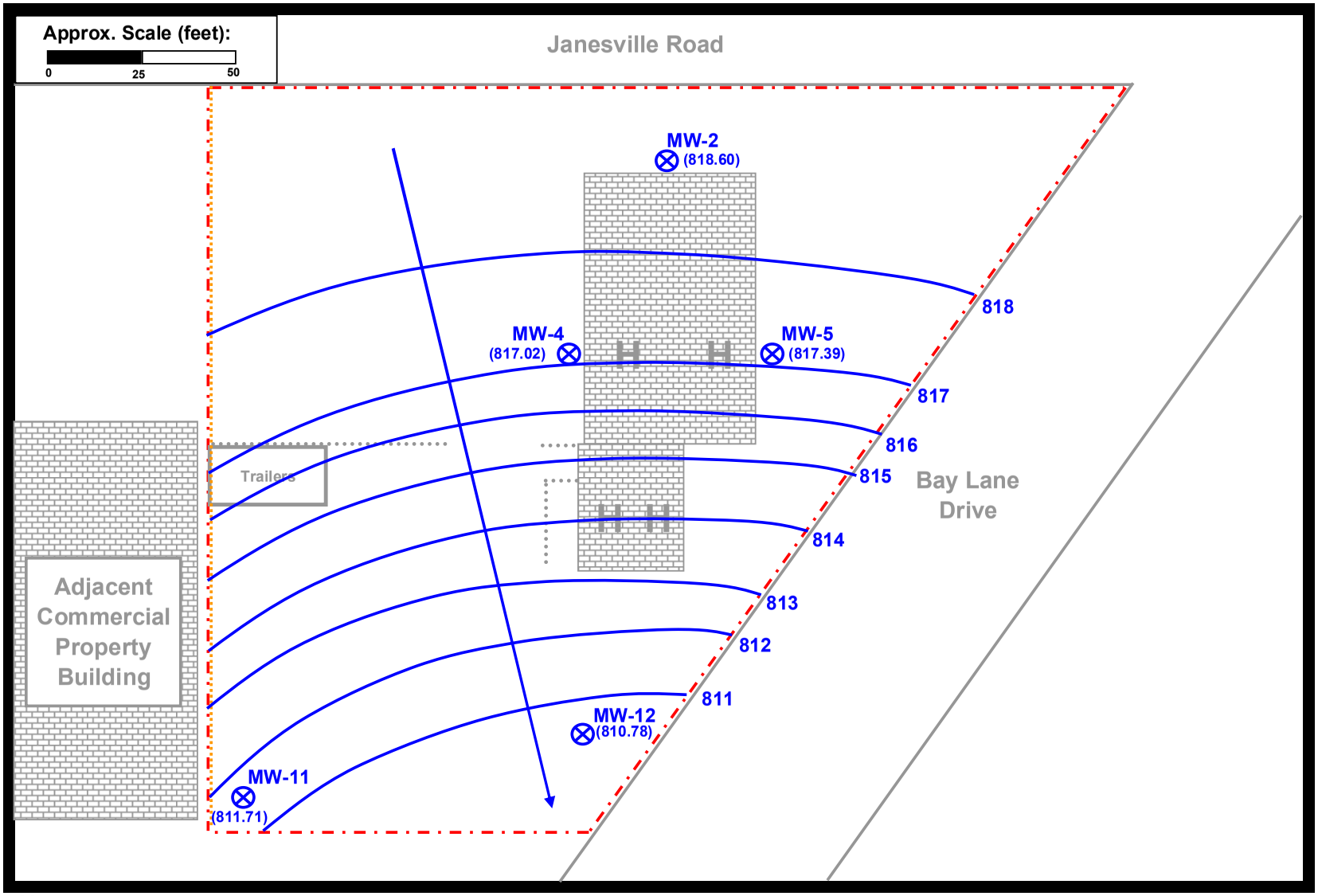
psi Information To Build On — Engineering • Consulting • Testing	**Environmental Services** W237 N2878 Woodgate Rd., Ste. 2 Pewaukee, Wisconsin 53072 (262) 347-0898 Fax (262) 347-2256	**S73 W16437 Janesville Road** Muskego, Wisconsin	**PSI Project Number:** 0054263	NORTH
		Figure 3 December 2010 Groundwater Results Map	**Scale:** See Above **Date:** 12/7/2010	



Notes:

- Subject Property Boundary
- H - Underground Hydraulic Lifts
- NR 141 Monitoring Well Location
- Fence
- 812 / 811 - Groundwater Contour in Feet Above Mean Sea Level (amsl) and Groundwater Flow Direction
- (810.78) - Groundwater Elevation in Feet amsl

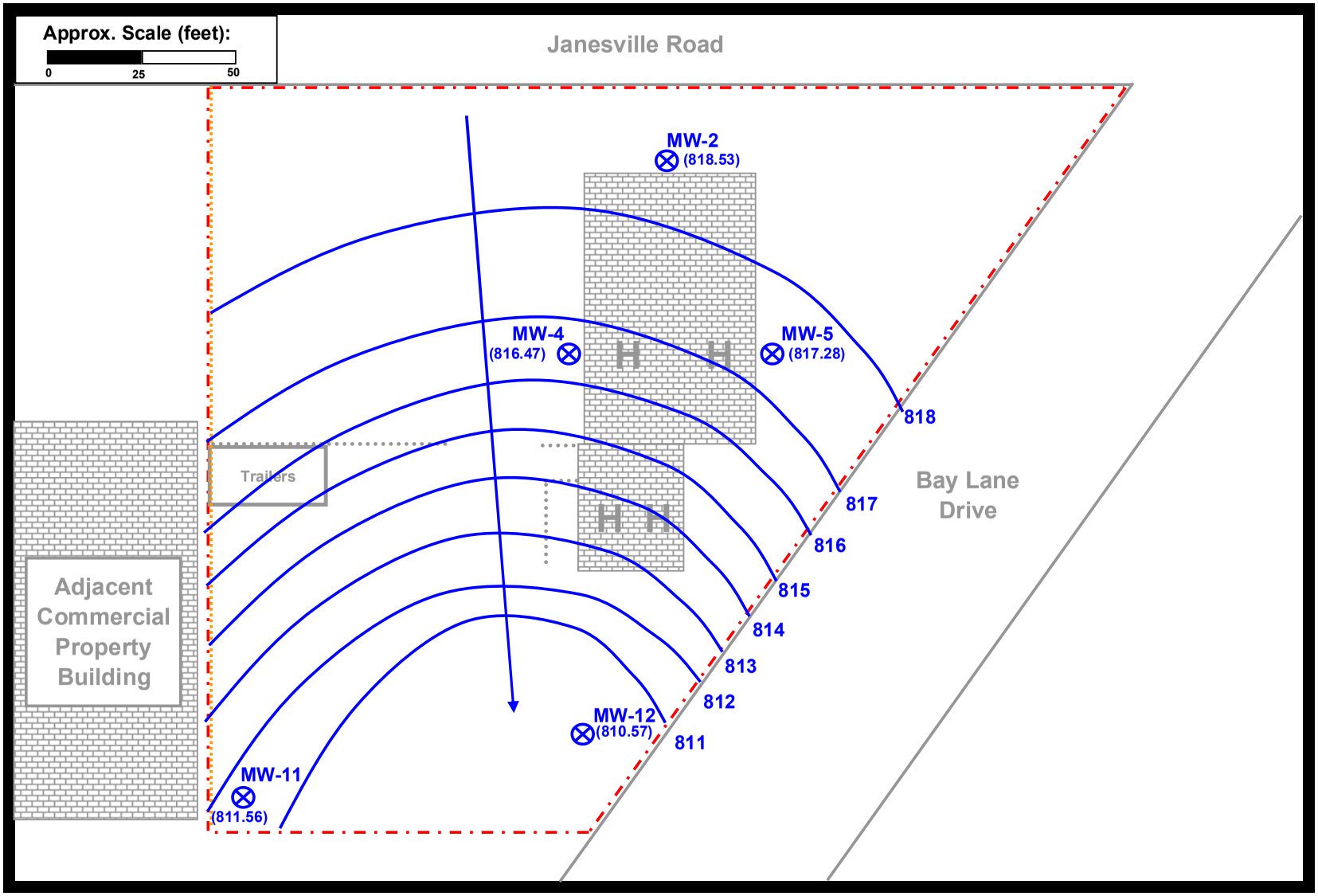
psi Information To Build On — Engineering • Consulting • Testing	**Environmental Services** W237 N2878 Woodgate Rd., Ste. 2 Pewaukee, Wisconsin 53072 (262) 347-0898 Fax (262) 347-2256	**S73 W16437 Janesville Road** Muskego, Wisconsin	**PSI Project Number:** 0054263	NORTH
		Figure 4 June 2010 Groundwater Contour Map	**Scale:** See Above **Date:** 8/23/2010	



Notes:

- Subject Property Boundary
- H - Underground Hydraulic Lifts
- NR 141 Monitoring Well Location
- Fence
- 812 / 811 - Groundwater Contour in Feet Above Mean Sea Level (amsl) and Groundwater Flow Direction
- (810.78) - Groundwater Elevation in Feet amsl

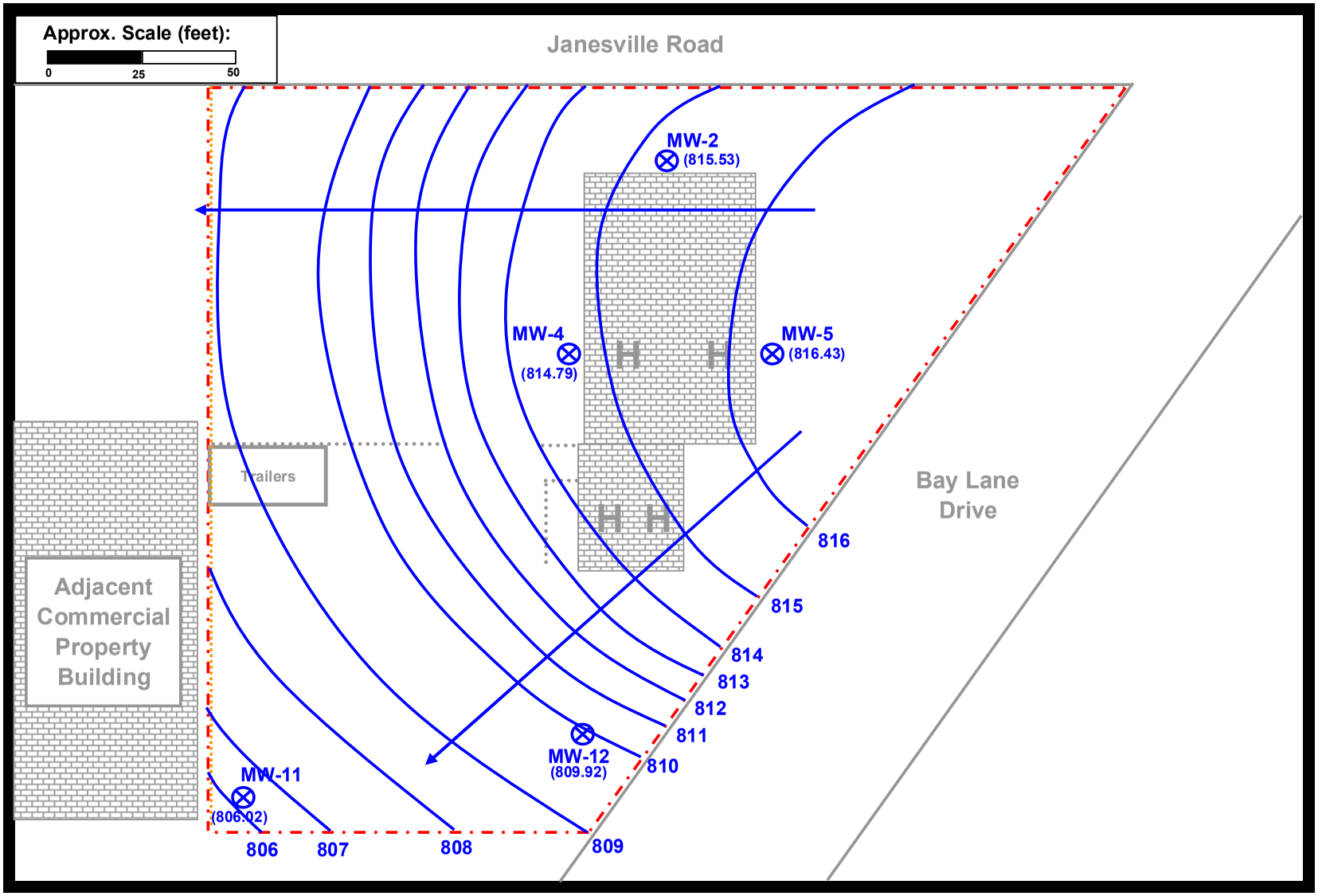
psi Information To Build On — Engineering • Consulting • Testing	**Environmental Services** W237 N2878 Woodgate Rd., Ste. 2 Pewaukee, Wisconsin 53072 (262) 347-0898 Fax (262) 347-2256	**S73 W16437 Janesville Road** Muskego, Wisconsin	**PSI Project Number:** 0054263	NORTH
		Figure 5 August 2010 Groundwater Contour Map	**Scale:** See Above **Date:** 8/23/2010	



Notes:

- Subject Property Boundary
- H - Underground Hydraulic Lifts
- NR 141 Monitoring Well Location
- Fence
- 812 / 811 - Groundwater Contour in Feet Above Mean Sea Level (amsl) and Groundwater Flow Direction
- (810.78) - Groundwater Elevation in Feet amsl

psi Information To Build On — Engineering • Consulting • Testing	**Environmental Services** W237 N2878 Woodgate Rd., Ste. 2 Pewaukee, Wisconsin 53072 (262) 347-0898 Fax (262) 347-2256	**S73 W16437 Janesville Road** Muskego, Wisconsin	**PSI Project Number:** 0054263	NORTH
		Figure 6 September 2010 Groundwater Contour Map	**Scale:** See Above **Date:** 9/23/2010	



Notes:

- Subject Property Boundary
- H - Underground Hydraulic Lifts
- NR 141 Monitoring Well Location
- Fence
- 812 / 811 - Groundwater Contour in Feet Above Mean Sea Level (amsl) and Groundwater Flow Direction
- (810.78) - Groundwater Elevation in Feet amsl

psi Information To Build On — Engineering • Consulting • Testing	**Environmental Services** W237 N2878 Woodgate Rd., Ste. 2 Pewaukee, Wisconsin 53072 (262) 347-0898 Fax (262) 347-2256	**S73 W16437 Janesville Road** Muskego, Wisconsin	**PSI Project Number:** 0054263		NORTH
		Figure 7 December 2010 Groundwater Contour Map	**Scale:** See Above	**Date:** 12/7/2010	

APPENDICES

Appendix A:	Non-Hazardous Waste Manifest
Appendix B:	WDNR Monitoring Well Construction Forms
Appendix C:	WDNR Monitoring Well Development Forms
Appendix D:	Laboratory Analytical Reports

APPENDIX A

NON-HAZARDOUS WASTE MANIFEST

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number:
2. Page 1 of 1
3. Emergency Response Phone: 800 842 9792
4. Manifest Tracking Number: 007854896 JJK

5. Generator's Name and Mailing Address
PSI Professional Service Industries Inc
W237 N2878 Woodgate Rd, Suite 2
Pewaukee WI 53072
Generator's Phone: 920 246-8292

Att: Matt Dahlem

Generator's Site Address (if different than mailing address)
Firestone
S73 W16437 Janesville Rd
Muskego WI 53150

6. Transporter 1 Company Name: Advanced Waste Carriers, Inc.
U.S. EPA ID Number: WI0000815381

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Advanced Waste Services - Chemworks
3801L West Mckinley Ave
Milwaukee WI 53208
Facility's Phone: 414 342 1852
U.S. EPA ID Number: WIR000130572

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1. Non-RCRA regulated Non-DOT hazardous material	011	DM	5500	P	NONE
	2. Non-RCRA regulated Non-DOT hazardous material	002	DM	110	G	NONE
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1) #1003242 Soil cuttings
2) #1003243 Purge Water

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Matt Dahlem on behalf of Waukesha County
Signature: Matt Dahlem
Month 09 Day 23 Year 10

GENERATOR

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Mike Lamb
Signature: Michael L
Month 09 Day 23 Year 10
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: R. Gordon Cus
Signature:
Month 9 Day 24 Year 10

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

APPENDIX B

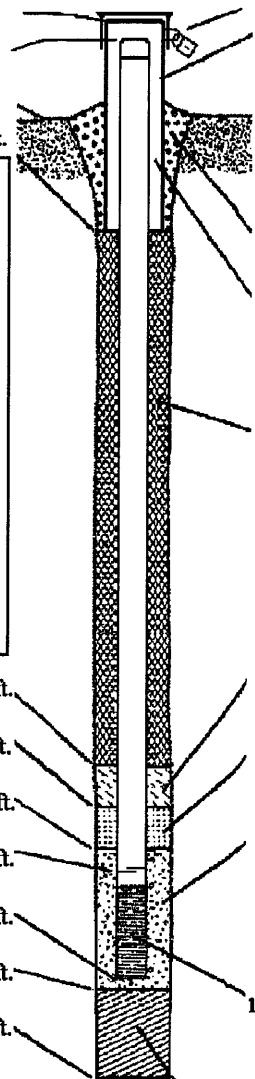
WDNR MONITORING WELL CONSTRUCTION FORMS

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐ Remediation/Redevelopment ☒ Other ☐ _____

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 7-98

Facility/Project Name: Firestone Property	Local Grid Location of Well: ____ ft. ☐ N. ☐ S. ____ ft. ☐ E. ☐ W.	Well Name: MW-2
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☒) or Well Location ☐ Lat. 42° 54' 43.8" Long. 88° 7' 11.3" or	Wis. Unique Well No. ____ / DNR Well ID No. ____
Facility ID: 268181540	St. Plane ____ ft. N, ____ ft. E. S/C/N	Date Well Installed: 05/27/2010 (m m d d y y y y)
Type of Well: Well Code 11 / MW	Section Location of Waste/Source: SE 1/4 of NW 1/4 of Sec. 10, T. 5 N, R. 20 ☒ E ☐ W	Well Installed By: Name (first, last) and Firm: Tim Ebert, PSI
Distance from Waste/Source ____ ft. Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☒ Not Known	Gov. Lot Number ____



A. Protective pipe, top elevation 823.12 ft. MSL

B. Well casing, top elevation 822.73 ft. MSL

C. Land surface elevation 823.12 ft. MSL

D. Surface seal, bottom _____ ft. MSL or 1 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☒ CH ☐
Bedrock ☐

13. Sieve analysis performed? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50; Hollow Stem Auger ☒ 41; Other ☐ ____

15. Drilling fluid used: Water ☐ 02; Air ☐ 01; Drilling Mud ☐ 03; None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No

Describe ____

17. Source of water (attach analysis, if required): ____

E. Bentonite seal, top _____ ft. MSL or 1 ft.

F. Fine sand, top _____ ft. MSL or 3 ft.

G. Filter pack, top _____ ft. MSL or 3 ft.

H. Screen joint, top 818.28 ft. MSL or _____ ft.

I. Well bottom 803.28 ft. MSL or _____ ft.

J. Filter pack, bottom 803.28 ft. MSL or _____ ft.

K. Borehole, bottom 803.28 ft. MSL or _____ ft.

L. Borehole, diameter 6 in.

M. O.D. well casing 2.07 in.

N. I.D. well casing 2 in.

1. Cap and lock? ☐ Yes ☒ No

2. Protective cover pipe:
a. Inside diameter: 6 in.
b. Length: 1 ft.
c. Material: Steel ☒ 04; Other ☐ ____
d. Additional protection? ☐ Yes ☒ No
If yes, describe: ____

3. Surface seal: Bentonite ☐ 30; Concrete ☒ 01; Other ☐ ____

4. Material between well casing and protective pipe: Bentonite ☒ 30; Other ☐ ____

5. Annular space seal: a. Granular/Chipped Bentonite ☒ 33
b. ____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. ____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. ____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. ____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01; Tremie pumped ☐ 02; Gravity ☒ 08

6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite chips ☒ 32
c. ____ Other ☐ ____

7. Fine sand material: Manufacturer, product name & mesh size
a. Red Flint Filter + Industrial Sands #0
b. Volume added 450 lbs ft^3

8. Filter pack material: Manufacturer, product name & mesh size
a. Same as #7
b. Volume added ____ ft^3

9. Well casing: Flush threaded PVC schedule 40 ☒ 23; Flush threaded PVC schedule 80 ☐ 24; Other ☐ ____

10. Screen material: PVC
a. Screen type: Factory cut ☒ 11; Continuous slot ☐ 01; Other ☐ ____
b. Manufacturer Diedrich
c. Slot size: 0.01 in.
d. Slotted length: 15 ft.

11. Backfill material (below filter pack): None ☒ 14; Other ☐ ____

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
Matt [illegible]	PSI

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐ Remediation/Redevelopment ☒ Other ☐ _____

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 7-98

Facility/Project Name: Firestone Property	Local Grid Location of Well: _____ ft. ☐ N. ☐ S. _____ ft. ☐ E. ☐ W.	Well Name: MW-4
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☒) or Well Location ☐ Lat. 42° 54' 43.8" Long. 88° 7' 11.3" or	Wis. Unique Well No. ___ / DNR Well ID No. ___
Facility ID: 268181540	St. Plane _____ ft. N, _____ ft. E. S/C/N	Date Well Installed: 06/01/2010 (m m d d y y y y)
Type of Well: Well Code 11 / MW	Section Location of Waste/Source: SE 1/4 of NW 1/4 of Sec. 10, T. 5 N, R. 20 ☒ E ☐ W	Well Installed By: Name (first, last) and Firm: Tim Ebert, PSI
Distance from Waste/Source _____ ft. Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☒ Downgradient n ☐ Not Known	Gov. Lot Number: _____

A. Protective pipe, top elevation 821.91 ft. MSL

B. Well casing, top elevation 821.40 ft. MSL

C. Land surface elevation 821.94 ft. MSL

D. Surface seal, bottom _____ ft. MSL or 1 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☒ CH ☐
Bedrock ☐

13. Sieve analysis performed? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50; Hollow Stem Auger ☒ 41; Other ☐ ___

15. Drilling fluid used: Water ☐ 02; Air ☐ 01; Drilling Mud ☐ 03; None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No

Describe _____

17. Source of water (attach analysis, if required):

E. Bentonite seal, top _____ ft. MSL or 1 ft.

F. Fine sand, top _____ ft. MSL or 3 ft.

G. Filter pack, top _____ ft. MSL or 3 ft.

H. Screen joint, top 816.35 ft. MSL or _____ ft.

I. Well bottom 801.35 ft. MSL or _____ ft.

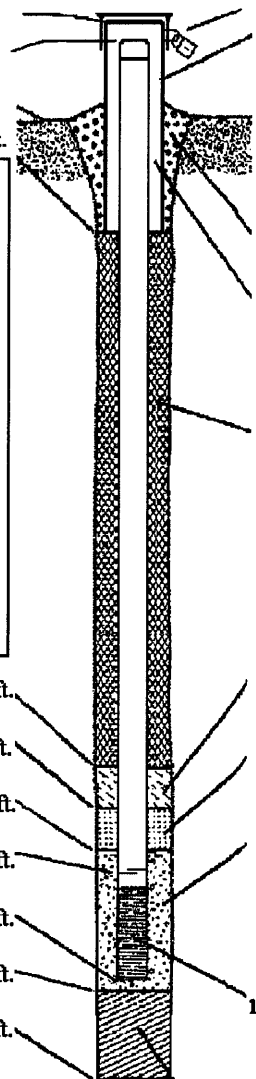
J. Filter pack, bottom 801.35 ft. MSL or _____ ft.

K. Borehole, bottom 801.35 ft. MSL or _____ ft.

L. Borehole, diameter 6 in.

M. O.D. well casing 2.07 in.

N. I.D. well casing 2 in.



1. Cap and lock? ☐ Yes ☒ No

2. Protective cover pipe:
a. Inside diameter: 6 in.
b. Length: 1 ft.
c. Material: Steel ☒ 04; Other ☐ ___
d. Additional protection? ☐ Yes ☒ No
If yes, describe: _____

3. Surface seal: Bentonite ☐ 30; Concrete ☒ 01; Other ☐ ___

4. Material between well casing and protective pipe: Bentonite ☒ 30; Other ☐ ___

5. Annular space seal: a. Granular/Chipped Bentonite ☒ 33
b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. _____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. _____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01; Tremie pumped ☐ 02; Gravity ☒ 08

6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite chips ☒ 32
c. _____ Other ☐ ___

7. Fine sand material: Manufacturer, product name & mesh size
a. Red Flint Filter + Industrial Sands 30
b. Volume added 450 lbs ft^3

8. Filter pack material: Manufacturer, product name & mesh size
a. Same as #7
b. Volume added _____ ft^3

9. Well casing: Flush threaded PVC schedule 40 ☒ 23; Flush threaded PVC schedule 80 ☐ 24; Other ☐ ___

10. Screen material: PVC
a. Screen type: Factory cut ☒ 11; Continuous slot ☐ 01; Other ☐ ___
b. Manufacturer Diedrich
c. Slot size: 0.01 in.
d. Slotted length: 15 ft.

11. Backfill material (below filter pack): None ☒ 14; Other ☐ ___

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
Matt [signature]	PSI

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐ Remediation/Redevelopment ☒ Other ☐ _____

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 7-98

Facility/Project Name: Firestone Property	Local Grid Location of Well: ____ ft. ☐ N. ☐ S. ____ ft. ☐ E. ☐ W.	Well Name: MW-5
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☒) or Well Location ☐ Lat. 42° 54' 43.8" Long. 88° 7' 11.3" or	Wis. Unique Well No. ____ / DNR Well ID No. ____
Facility ID: 268181540	St. Plane ____ ft. N, ____ ft. E. S/C/N	Date Well Installed: 06/01/2010 (m m d d y y y y)
Type of Well: Well Code 11 / MW	Section Location of Waste/Source: SE 1/4 of NW 1/4 of Sec. 10, T. 5 N, R. 20 ☒ E ☐ W	Well Installed By: Name (first, last) and Firm: Tim Ebert, PSI
Distance from Waste/Source ____ ft. / Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☒ Downgradient n ☐ Not Known	Gov. Lot Number ____

A. Protective pipe, top elevation 822.10 ft. MSL

B. Well casing, top elevation 821.54 ft. MSL

C. Land surface elevation 822.10 ft. MSL

D. Surface seal, bottom ____ ft. MSL or 1 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☒
SM ☐ SC ☐ ML ☐ MH ☐ CL ☒ CH ☐
Bedrock ☐

13. Sieve analysis performed? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50 Hollow Stem Auger ☒ 41 Other ☐ ____

15. Drilling fluid used: Water ☐ 02 Air ☐ 01 Drilling Mud ☐ 03 None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No

Describe ____

17. Source of water (attach analysis, if required): ____

E. Bentonite seal, top ____ ft. MSL or 1 ft.

F. Fine sand, top ____ ft. MSL or 3 ft.

G. Filter pack, top ____ ft. MSL or 3 ft.

H. Screen joint, top 816.69 ft. MSL or ____ ft.

I. Well bottom 801.69 ft. MSL or ____ ft.

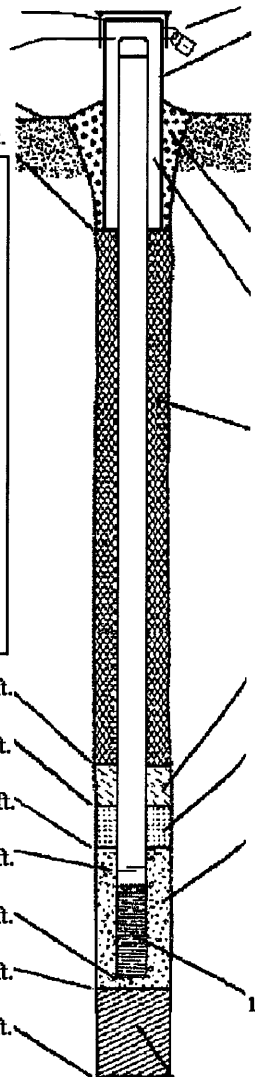
J. Filter pack, bottom 801.69 ft. MSL or ____ ft.

K. Borehole, bottom 801.69 ft. MSL or ____ ft.

L. Borehole, diameter 6 in.

M. O.D. well casing 2.07 in.

N. I.D. well casing 2 in.



1. Cap and lock? ☐ Yes ☒ No

2. Protective cover pipe:
a. Inside diameter: 6 in.
b. Length: 1 ft.
c. Material: Steel ☒ 04 Other ☐ ____
d. Additional protection? ☐ Yes ☒ No
If yes, describe: ____

3. Surface seal: Bentonite ☐ 30 Concrete ☒ 01 Other ☐ ____

4. Material between well casing and protective pipe: Bentonite ☒ 30 Other ☐ ____

5. Annular space seal: a. Granular/Chipped Bentonite ☒ 33
b. ____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. ____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. ____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. ____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01 Tremie pumped ☐ 02 Gravity ☒ 08

6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite chips ☒ 32
c. ____ Other ☐ ____

7. Fine sand material: Manufacturer, product name & mesh size
a. Red Flint Filter + Industrial Sands
b. Volume added 450 lbs ft^3

8. Filter pack material: Manufacturer, product name & mesh size
a. Same as #7
b. Volume added ____ ft^3

9. Well casing: Flush threaded PVC schedule 40 ☒ 23 Flush threaded PVC schedule 80 ☐ 24 Other ☐ ____

10. Screen material: PVC
a. Screen type: Factory cut ☒ 11 Continuous slot ☐ 01 Other ☐ ____
b. Manufacturer Diedrich
c. Slot size: 0.01 in.
d. Slotted length: 15 ft.

11. Backfill material (below filter pack): None ☒ 14 Other ☐ ____

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
Matt [illegible]	PSI

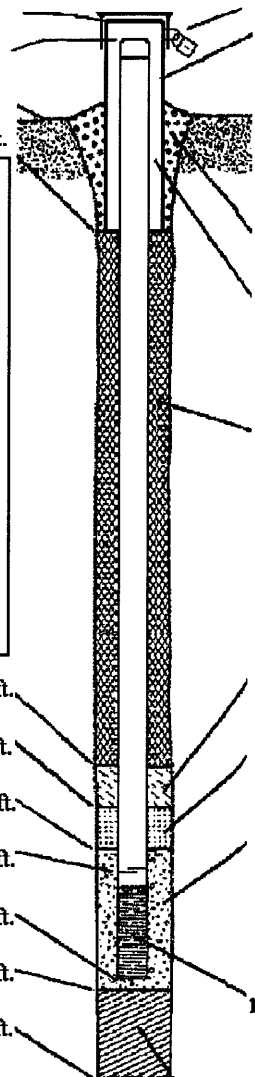
Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐ Remediation/Redevelopment ☒ Other ☐ _____

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 7-98

Facility/Project Name: Firestone Property	Local Grid Location of Well: ____ ft. ☐ N. ☐ S. ____ ft. ☐ E. ☐ W.	Well Name: MW-11
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☒) or Well Location ☐ Lat. 42° 54' 43.8" Long. 88° 7' 11.3" or	Wis. Unique Well No. ____ / DNR Well ID No. ____
Facility ID: 268181540	St. Plane ____ ft. N, ____ ft. E. S/C/N	Date Well Installed: 05/27/2010 (m m d d y y y y)
Type of Well: Well Code 11 / MW	Section Location of Waste/Source: SE 1/4 of NW 1/4 of Sec. 10, T. 5 N, R. 20 ☒ E ☐ W	Well Installed By: Name (first, last) and Firm: Tim Ebert, PSI
Distance from Waste/Source ____ ft. / Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☒ Downgradient n ☐ Not Known	Gov. Lot Number: ____



A. Protective pipe, top elevation 818.10 ft. MSL

B. Well casing, top elevation 812.42 ft. MSL

C. Land surface elevation 818.10 ft. MSL

D. Surface seal, bottom _____ ft. MSL or 1 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☒ ML ☐ MH ☐ CL ☒ CH ☐
Bedrock ☐

13. Sieve analysis performed? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50; Hollow Stem Auger ☒ 41; Other ☐ ____

15. Drilling fluid used: Water ☐ 02; Air ☐ 01; Drilling Mud ☐ 03; None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No

Describe ____

17. Source of water (attach analysis, if required): ____

E. Bentonite seal, top _____ ft. MSL or 1 ft.

F. Fine sand, top _____ ft. MSL or 3 ft.

G. Filter pack, top _____ ft. MSL or 3 ft.

H. Screen joint, top 812.67 ft. MSL or _____ ft.

I. Well bottom 797.67 ft. MSL or _____ ft.

J. Filter pack, bottom 797.67 ft. MSL or _____ ft.

K. Borehole, bottom 797.67 ft. MSL or _____ ft.

L. Borehole, diameter 6 in.

M. O.D. well casing 2.07 in.

N. I.D. well casing 2 in.

1. Cap and lock? ☐ Yes ☒ No

2. Protective cover pipe:
a. Inside diameter: 6 in.
b. Length: 1 ft.
c. Material: Steel ☒ 04; Other ☐ ____
d. Additional protection? ☐ Yes ☒ No
If yes, describe: ____

3. Surface seal: Bentonite ☒ 30; Concrete ☒ 01; Other ☐ ____

4. Material between well casing and protective pipe: Bentonite ☒ 30; Other ☐ ____

5. Annular space seal: a. Granular/Chipped Bentonite ☒ 33
b. ____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. ____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. ____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. ____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01; Tremie pumped ☐ 02; Gravity ☒ 08

6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite chips ☒ 32
c. ____ Other ☐ ____

7. Fine sand material: Manufacturer, product name & mesh size
a. Red Flint Filter + Industrial Sands 10
b. Volume added 500 lbs ft^3

8. Filter pack material: Manufacturer, product name & mesh size
a. Same as #7
b. Volume added ____ ft^3

9. Well casing: Flush threaded PVC schedule 40 ☒ 23; Flush threaded PVC schedule 80 ☐ 24; Other ☐ ____

10. Screen material: PVC
a. Screen type: Factory cut ☒ 11; Continuous slot ☐ 01; Other ☐ ____
b. Manufacturer Diedrich
c. Slot size: 0.01 in.
d. Slotted length: 15 ft.

11. Backfill material (below filter pack): None ☒ 14; Other ☐ ____

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
Matt Dal	PSI

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐ Remediation/Redevelopment ☒ Other ☐ _____

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 7-98

Facility/Project Name: Firestone Property	Local Grid Location of Well: _____ ft. ☐ N. ☐ S. _____ ft. ☐ E. ☐ W.	Well Name: MW-12
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☒) or Well Location ☐ Lat. 42° 54' 43.8" Long. 88° 7' 11.3" or	Wis. Unique Well No. _____ / DNR Well ID No. _____
Facility ID: 268181540	St. Plane _____ ft. N, _____ ft. E. S/C/N	Date Well Installed: 06/01/2010 (m m d d y y y y)
Type of Well: Well Code 11 / mw	Section Location of Waste/Source: SE 1/4 of NW 1/4 of Sec. 10, T. 5 N, R. 20 ☒ E ☐ W	Well Installed By: Name (first, last) and Firm: Tim Ebert, PSI
Distance from Waste/Source _____ ft. Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☒ Downgradient n ☐ Not Known	Gov. Lot Number _____

A. Protective pipe, top elevation 817.59 ft. MSL

B. Well casing, top elevation 817.23 ft. MSL

C. Land surface elevation 817.59 ft. MSL

D. Surface seal, bottom _____ ft. MSL or 1 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☒ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☒
Bedrock ☐

13. Sieve analysis performed? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50; Hollow Stem Auger ☒ 41; Other ☐ _____

15. Drilling fluid used: Water ☐ 02; Air ☐ 01; Drilling Mud ☐ 03; None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No

Describe _____

17. Source of water (attach analysis, if required): _____

E. Bentonite seal, top _____ ft. MSL or 1 ft.

F. Fine sand, top _____ ft. MSL or 3 ft.

G. Filter pack, top _____ ft. MSL or 3 ft.

H. Screen joint, top 812.38 ft. MSL or _____ ft.

I. Well bottom 797.38 ft. MSL or _____ ft.

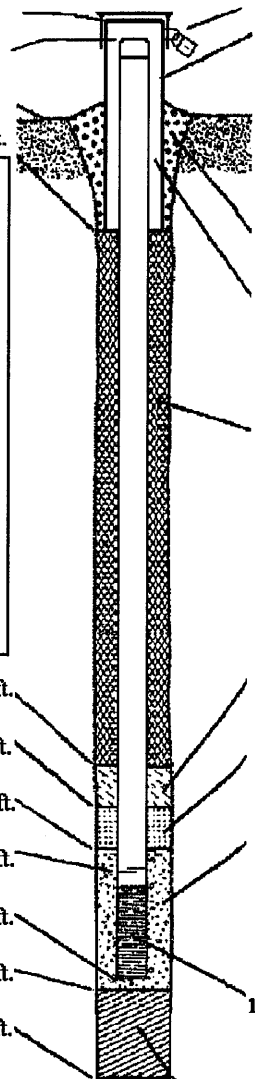
J. Filter pack, bottom 797.38 ft. MSL or _____ ft.

K. Borehole, bottom 797.38 ft. MSL or _____ ft.

L. Borehole, diameter 6 in.

M. O.D. well casing 2.07 in.

N. I.D. well casing 2 in.



1. Cap and lock? ☐ Yes ☒ No

2. Protective cover pipe:
a. Inside diameter: 6 in.
b. Length: 1 ft.
c. Material: Steel ☒ 04; Other ☐ _____
d. Additional protection? ☐ Yes ☒ No
If yes, describe: _____

3. Surface seal: Bentonite ☐ 30; Concrete ☒ 01; Other ☐ _____

4. Material between well casing and protective pipe: Bentonite ☒ 30; Other ☐ _____

5. Annular space seal: a. Granular/Chipped Bentonite ☒ 33
b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. _____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. _____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01; Tremie pumped ☐ 02; Gravity ☒ 08

6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite chips ☒ 32
c. _____ Other ☐ _____

7. Fine sand material: Manufacturer, product name & mesh size
a. Red Flint Filter + Industrial Sands
b. Volume added 450 lbs ft^3

8. Filter pack material: Manufacturer, product name & mesh size
a. Same as #7
b. Volume added _____ ft^3

9. Well casing: Flush threaded PVC schedule 40 ☒ 23; Flush threaded PVC schedule 80 ☐ 24; Other ☐ _____

10. Screen material: PVC
a. Screen type: Factory cut ☒ 11; Continuous slot ☐ 01; Other ☐ _____
b. Manufacturer Diedrich
c. Slot size: 0.01 in.
d. Slotted length: 15 ft.

11. Backfill material (below filter pack): None ☒ 14; Other ☐ _____

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
Matt [illegible]	PSI

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

APPENDIX C

WDNR MONITORING WELL DEVELOPMENT FORMS

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

Facility/Project Name	County Name	Well Name
Firestone Property	Waukesha	MW-2

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
	68	_____	___

1. Can this well be purged dry? ☒ Yes ☐ No

2. Well development method
   - surged with bailer and bailed ☐ 41
   - surged with bailer and pumped ☐ 61
   - surged with block and bailed ☐ 42
   - surged with block and pumped ☐ 62
   - surged with block, bailed and pumped ☐ 70
   - compressed air ☐ 20
   - bailed only ☒ 10
   - pumped only ☐ 51
   - pumped slowly ☐ 50
   - Other _____ ☐ ___

3. Time spent developing well 15 min.

4. Depth of well (from top of well casisng) 19.45 ft.

5. Inside diameter of well 2 in.

6. Volume of water in filter pack and well casing 0.42 gal.

7. Volume of water removed from well 2 gal.

8. Volume of water added (if any) ___ gal.

9. Source of water added _____

10. Analysis performed on water added? ☐ Yes ☐ No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 16.85 ft.	19.40 ft.
Date	b. 06/03/2010 (m m d d y y y y)	06/03/2010 (m m d d y y y y)
Time	c. 2:00 ☐ a.m. ☒ p.m.	2:15 ☐ a.m. ☒ p.m.
12. Sediment in well bottom	___.__ inches	___.__ inches
13. Water clarity	Clear ☒ 10 / Turbid ☐ 15 (Describe)	Clear ☐ 20 / Turbid ☒ 25 (Describe) Brown cloudy

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids	____.__ mg/l	____.__ mg/l
15. COD	____.__ mg/l	____.__ mg/l

16. Well developed by: Name (first, last) and Firm
First Name: Matt Last Name: Dahlem
Firm: PSI

17. Additional comments on development:

Name and Address of Facility Contact/Owner/Responsible Party
First Name: Leslie Last Name: Williams
Facility/Firm: Waukesha County
Street: 515 W. Moreland Blvd., Room AC 260
City/State/Zip: Waukesha, WI 53188

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: Matt Dahlem
Print Name: Matt Dahlem
Firm: PSI

NOTE: See instructions for more information including a list of county codes and well type codes.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

Facility/Project Name	County Name	Well Name
Firestone Property	Waukesha	MW-4

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
	68	_____	___

1. Can this well be purged dry? ☒ Yes ☐ No

2. Well development method
   - surged with bailer and bailed ☐ 41
   - surged with bailer and pumped ☐ 61
   - surged with block and bailed ☐ 42
   - surged with block and pumped ☐ 62
   - surged with block, bailed and pumped ☐ 70
   - compressed air ☐ 20
   - bailed only ☒ 10
   - pumped only ☐ 51
   - pumped slowly ☐ 50
   - Other _____ ☐

3. Time spent developing well 15 min.

4. Depth of well (from top of well casisng) 20.05 ft.

5. Inside diameter of well 2 in.

6. Volume of water in filter pack and well casing 1.19 gal.

7. Volume of water removed from well 4 gal.

8. Volume of water added (if any) ___ gal.

9. Source of water added _____

10. Analysis performed on water added? ☐ Yes ☐ No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 12.94 ft.	20.00 ft.
Date	b. 06/03/2010 (m m d d y y y y)	06/03/2010 (m m d d y y y y)
Time	c. 2:30 ☐ a.m. ☒ p.m.	2:45 ☐ a.m. ☒ p.m.
12. Sediment in well bottom	___ inches	___ inches
13. Water clarity	Clear ☒ 10 Turbid ☐ 15 (Describe)	Clear ☐ 20 Turbid ☒ 25 (Describe) Brown cloudy

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids	___ mg/l	___ mg/l
15. COD	___ mg/l	___ mg/l

16. Well developed by: Name (first, last) and Firm
First Name: Matt Last Name: Dahlem
Firm: PSI

17. Additional comments on development:

Name and Address of Facility Contact/Owner/Responsible Party
First Name: Leslie Last Name: Williams
Facility/Firm: Waukesha County
Street: 515 W. Moreland Blvd., Room AC 260
City/State/Zip: Waukesha, WI 53188

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: Matt Dahlem
Print Name: Matt Dahlem
Firm: PSI

NOTE: See instructions for more information including a list of county codes and well type codes.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

Facility/Project Name	County Name	Well Name
Firestone Property	Waukesha	MW-5

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
	68	_____	___

1. Can this well be purged dry? ☒ Yes ☐ No

2. Well development method
   - surged with bailer and bailed ☐ 41
   - surged with bailer and pumped ☐ 61
   - surged with block and bailed ☐ 42
   - surged with block and pumped ☐ 62
   - surged with block, bailed and pumped ☐ 70
   - compressed air ☐ 20
   - bailed only ☒ 10
   - pumped only ☐ 51
   - pumped slowly ☐ 50
   - Other _____ ☐ ___

3. Time spent developing well 30 min.

4. Depth of well (from top of well casisng) 19.85 ft.

5. Inside diameter of well 2 in.

6. Volume of water in filter pack and well casing 2.65 gal.

7. Volume of water removed from well 14 gal.

8. Volume of water added (if any) ___ gal.

9. Source of water added _____

10. Analysis performed on water added? ☐ Yes ☐ No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 3.58 ft.	19.50 ft.
Date	b. 06/03/2010 (m m d d y y y y)	06/03/2010 (m m d d y y y y)
Time	c. 3:00 ☐ a.m. ☒ p.m.	3:30 ☐ a.m. ☒ p.m.
12. Sediment in well bottom	___ inches	___ inches
13. Water clarity	Clear ☒ 10 Turbid ☐ 15 (Describe)	Clear ☐ 20 Turbid ☒ 25 (Describe) Brown cloudy

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids	___ mg/l	___ mg/l
15. COD	___ mg/l	___ mg/l

16. Well developed by: Name (first, last) and Firm
First Name: Matt Last Name: Dahlem
Firm: PSI

17. Additional comments on development:

Name and Address of Facility Contact/Owner/Responsible Party
First Name: Leslie Last Name: Williams
Facility/Firm: Waukesha County
Street: 515 W. Moreland Blvd., Room AC 260
City/State/Zip: Waukesha, WI 53188

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: Matt Dahlem
Print Name: Matt Dahlem
Firm: PSI

NOTE: See instructions for more information including a list of county codes and well type codes.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

Facility/Project Name	County Name	Well Name
Firestone Property	Waukesha	MW-11

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
	68	_ _ _ _ _ _	_ _ _

1. Can this well be purged dry? ☒ Yes ☐ No

2. Well development method
   - surged with bailer and bailed ☐ 41
   - surged with bailer and pumped ☐ 61
   - surged with block and bailed ☐ 42
   - surged with block and pumped ☐ 62
   - surged with block, bailed and pumped ☐ 70
   - compressed air ☐ 20
   - bailed only ☒ 10
   - pumped only ☐ 51
   - pumped slowly ☐ 50
   - Other _____ ☐ ___

3. Time spent developing well __15__ min.

4. Depth of well (from top of well casisng) __19.75__ ft.

5. Inside diameter of well __2__ in.

6. Volume of water in filter pack and well casing __1.99__ gal.

7. Volume of water removed from well __8__ gal.

8. Volume of water added (if any) _ _ _ . _ gal.

9. Source of water added _____

10. Analysis performed on water added? ☐ Yes ☐ No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 7.50 ft.	19.50 ft.
Date	b. 06/03/2010 (mm dd yyyy)	06/03/2010 (mm dd yyyy)
Time	c. 3:45 ☐ a.m. ☒ p.m.	4:00 ☐ a.m. ☒ p.m.
12. Sediment in well bottom	_ _ . _ inches	_ _ . _ inches
13. Water clarity	Clear ☒ 10 / Turbid ☐ 15 (Describe)	Clear ☐ 20 / Turbid ☒ 25 (Describe) Brown cloudy

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids	_ _ _ _ . _ mg/l	_ _ _ _ . _ mg/l
15. COD	_ _ _ _ . _ mg/l	_ _ _ _ . _ mg/l

16. Well developed by: Name (first, last) and Firm
First Name: Matt Last Name: Dahlem
Firm: PSI

17. Additional comments on development:

Name and Address of Facility Contact/Owner/Responsible Party
First Name: Leslie Last Name: Williams
Facility/Firm: Waukesha County
Street: 515 W. Moreland Blvd., Room AC 260
City/State/Zip: Waukesha, WI 53188

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: Matt Dahlem
Print Name: Matt Dahlem
Firm: PSI

NOTE: See instructions for more information including a list of county codes and well type codes.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

Facility/Project Name	County Name	Well Name
Firestone Property	Waukesha	MW-12

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
	68	_____	___

1. Can this well be purged dry? ☒ Yes ☐ No

2. Well development method
   - surged with bailer and bailed ☐ 41
   - surged with bailer and pumped ☐ 61
   - surged with block and bailed ☐ 42
   - surged with block and pumped ☐ 62
   - surged with block, bailed and pumped ☐ 70
   - compressed air ☐ 20
   - bailed only ☒ 10
   - pumped only ☐ 51
   - pumped slowly ☐ 50
   - Other _____ ☐

3. Time spent developing well 15 min.

4. Depth of well (from top of well casisng) 19.85 ft.

5. Inside diameter of well 2 in.

6. Volume of water in filter pack and well casing 1.93 gal.

7. Volume of water removed from well 8 gal.

8. Volume of water added (if any) ___.__ gal.

9. Source of water added _____

10. Analysis performed on water added? ☐ Yes ☐ No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 8.00 ft.	19.50 ft.
Date	b. 06/03/2010 (m m d d y y y y)	06/03/2010 (m m d d y y y y)
Time	c. 4:15 ☐ a.m. ☒ p.m.	4:30 ☐ a.m. ☒ p.m.
12. Sediment in well bottom	___.__ inches	___.__ inches
13. Water clarity	Clear ☒ 10 Turbid ☐ 15 (Describe)	Clear ☐ 20 Turbid ☒ 25 (Describe) Brown cloudy

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids	____.__ mg/l	____.__ mg/l
15. COD	____.__ mg/l	____.__ mg/l

16. Well developed by: Name (first, last) and Firm
First Name: Matt Last Name: Dahlem
Firm: PSI

17. Additional comments on development:

Name and Address of Facility Contact/Owner/Responsible Party
First Name: Leslie Last Name: Williams
Facility/Firm: Waukesha County
Street: 515 W. Moreland Blvd., Room AC 260
City/State/Zip: Waukesha, WI 53188

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: Matt Dahlem
Print Name: Matt Dahlem
Firm: PSI

NOTE: See instructions for more information including a list of county codes and well type codes.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

Facility/Project Name	County Name	Well Name
Firestone Property	Waukesha	MW-2

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
	68	_____	___

1. Can this well be purged dry? ☒ Yes ☐ No

2. Well development method
   - surged with bailer and bailed ☐ 41
   - surged with bailer and pumped ☐ 61
   - surged with block and bailed ☐ 42
   - surged with block and pumped ☐ 62
   - surged with block, bailed and pumped ☐ 70
   - compressed air ☐ 20
   - bailed only ☒ 10
   - pumped only ☐ 51
   - pumped slowly ☐ 50
   - Other _____ ☐ ___

3. Time spent developing well 30 min.

4. Depth of well (from top of well casisng) 19.45 ft.

5. Inside diameter of well 2 in.

6. Volume of water in filter pack and well casing 2.6 gal.

7. Volume of water removed from well 9.5 gal.

8. Volume of water added (if any) ___.__ gal.

9. Source of water added _____

10. Analysis performed on water added? ☐ Yes ☐ No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 3.55 ft.	18.45 ft.
Date	b. 06/16/2010 (m m d d y y y y)	06/16/2010 (m m d d y y y y)
Time	c. 1:10 ☐ a.m. ☒ p.m.	1:40 ☐ a.m. ☒ p.m.
12. Sediment in well bottom	___.__ inches	___.__ inches
13. Water clarity	Clear ☒ 10 / Turbid ☐ 15 (Describe)	Clear ☐ 20 / Turbid ☒ 25 (Describe) Light brown cloudy

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids	____.__ mg/l	____.__ mg/l
15. COD	____.__ mg/l	____.__ mg/l

16. Well developed by: Name (first, last) and Firm
First Name: Matt Last Name: Dahlem
Firm: PSI

17. Additional comments on development:

Name and Address of Facility Contact/Owner/Responsible Party
First Name: Leslie Last Name: Williams
Facility/Firm: Waukesha County
Street: 515 W. Moreland Blvd., Room AC 260
City/State/Zip: Waukesha, WI 53188

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: Matt Dahlem
Print Name: Matt Dahlem
Firm: PSI

NOTE: See instructions for more information including a list of county codes and well type codes.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

Facility/Project Name	County Name	Well Name
Firestone Property	Waukesha	MW-4

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
	68	_____	___

1. Can this well be purged dry? ☒ Yes ☐ No

2. Well development method
   - surged with bailer and bailed ☐ 41
   - surged with bailer and pumped ☐ 61
   - surged with block and bailed ☐ 42
   - surged with block and pumped ☐ 62
   - surged with block, bailed and pumped ☐ 70
   - compressed air ☐ 20
   - bailed only ☒ 10
   - pumped only ☐ 51
   - pumped slowly ☐ 50
   - Other _____ ☐

3. Time spent developing well 30 min.

4. Depth of well (from top of well casisng) 20.05 ft.

5. Inside diameter of well 2 in.

6. Volume of water in filter pack and well casing 2.6 gal.

7. Volume of water removed from well 9 gal.

8. Volume of water added (if any) ___ gal.

9. Source of water added _____

10. Analysis performed on water added? ☐ Yes ☐ No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 3.91 ft.	19.55 ft.
Date	b. 06/16/2010 (m m d d y y y y)	06/16/2010 (m m d d y y y y)
Time	c. 12:30 ☐ a.m. ☒ p.m.	1:00 ☐ a.m. ☒ p.m.
12. Sediment in well bottom	___ inches	___ inches
13. Water clarity	Clear ☒ 10 / Turbid ☐ 15 (Describe)	Clear ☐ 20 / Turbid ☒ 25 (Describe) Light brown cloudy

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids	____ mg/l	____ mg/l
15. COD	____ mg/l	____ mg/l

16. Well developed by: Name (first, last) and Firm
First Name: Matt Last Name: Dahlem
Firm: PSI

17. Additional comments on development:

Name and Address of Facility Contact/Owner/Responsible Party
First Name: Leslie Last Name: Williams
Facility/Firm: Waukesha County
Street: 515 W. Moreland Blvd., Room AC 260
City/State/Zip: Waukesha, WI 53188

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: Matt Dahlem
Print Name: Matt Dahlem
Firm: PSI

NOTE: See instructions for more information including a list of county codes and well type codes.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

Facility/Project Name	County Name	Well Name
Firestone Property	Waukesha	MW-5

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
	68	_ _ _ _ _ _	_ _ _

1. Can this well be purged dry? ☒ Yes ☐ No

2. Well development method
   - surged with bailer and bailed ☐ 41
   - surged with bailer and pumped ☐ 61
   - surged with block and bailed ☐ 42
   - surged with block and pumped ☐ 62
   - surged with block, bailed and pumped ☐ 70
   - compressed air ☐ 20
   - bailed only ☒ 10
   - pumped only ☐ 51
   - pumped slowly ☐ 50
   - Other _____ ☐ __

3. Time spent developing well __30__ min.

4. Depth of well (from top of well casisng) __19.85__ ft.

5. Inside diameter of well __2__ in.

6. Volume of water in filter pack and well casing __2.8__ gal.

7. Volume of water removed from well __10.5__ gal.

8. Volume of water added (if any) _ _ _ . _ gal.

9. Source of water added _____

10. Analysis performed on water added? ☐ Yes ☐ No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. __2.87__ ft.	__19.25__ ft.
Date	b. 06/16/2010 (m m / d d / y y y y)	06/16/2010 (m m / d d / y y y y)
Time	c. __1:50__ ☐ a.m. ☒ p.m.	__2:20__ ☐ a.m. ☒ p.m.
12. Sediment in well bottom	_ _ . _ inches	_ _ . _ inches
13. Water clarity	Clear ☒ 10 / Turbid ☐ 15 (Describe)	Clear ☐ 20 / Turbid ☒ 25 (Describe) Brown cloudy

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids	_ _ _ _ . _ mg/l	_ _ _ _ . _ mg/l
15. COD	_ _ _ _ . _ mg/l	_ _ _ _ . _ mg/l

16. Well developed by: Name (first, last) and Firm
First Name: Matt Last Name: Dahlem
Firm: PSI

17. Additional comments on development:

Name and Address of Facility Contact/Owner/Responsible Party
First Name: Leslie Last Name: Williams
Facility/Firm: Waukesha County
Street: 515 W. Moreland Blvd., Room AC 260
City/State/Zip: Waukesha, WI 53188

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: Matt [signature]
Print Name: Matt Dahlem
Firm: PSI

NOTE: See instructions for more information including a list of county codes and well type codes.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

Facility/Project Name	County Name	Well Name
Firestone Property	Waukesha	MW-11

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
	68	_____	___

1. Can this well be purged dry? ☒ Yes ☐ No

2. Well development method
   - surged with bailer and bailed ☐ 41
   - surged with bailer and pumped ☐ 61
   - surged with block and bailed ☐ 42
   - surged with block and pumped ☐ 62
   - surged with block, bailed and pumped ☐ 70
   - compressed air ☐ 20
   - bailed only ☒ 10
   - pumped only ☐ 51
   - pumped slowly ☐ 50
   - Other _____ ☐

3. Time spent developing well 30 min.

4. Depth of well (from top of well casisng) 19.75 ft.

5. Inside diameter of well 2 in.

6. Volume of water in filter pack and well casing 2.4 gal.

7. Volume of water removed from well 8.5 gal.

8. Volume of water added (if any) ___.__ gal.

9. Source of water added _____

10. Analysis performed on water added? ☐ Yes ☐ No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 4.92 ft.	18.75 ft.
Date	b. 06/16/2010 (m m d d y y y y)	06/16/2010 (m m d d y y y y)
Time	c. 11:10 ☒ a.m. ☐ p.m.	11:40 ☒ a.m. ☐ p.m.
12. Sediment in well bottom	___.__ inches	___.__ inches
13. Water clarity	Clear ☒ 10 Turbid ☐ 15 (Describe)	Clear ☐ 20 Turbid ☒ 25 (Describe) Light brown cloudy

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids	____.__ mg/l	____.__ mg/l
15. COD	____.__ mg/l	____.__ mg/l

16. Well developed by: Name (first, last) and Firm
First Name: Matt Last Name: Ahlem
Firm: PSI

17. Additional comments on development:

Name and Address of Facility Contact/Owner/Responsible Party
First Name: Leslie Last Name: Williams
Facility/Firm: Waukesha County
Street: 515 W. Moreland Blvd., Room AC 260
City/State/Zip: Waukesha, WI 53188

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: Matt Ahlem
Print Name: Matt Ahlem
Firm: PSI

NOTE: See instructions for more information including a list of county codes and well type codes.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

Facility/Project Name	County Name	Well Name
Firestone Property	Waukesha	MW-12

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
	68	_ _ _ _ _ _	_ _ _

1. Can this well be purged dry? ☐ Yes ☒ No

2. Well development method
   - surged with bailer and bailed ☐ 41
   - surged with bailer and pumped ☐ 61
   - surged with block and bailed ☐ 42
   - surged with block and pumped ☐ 62
   - surged with block, bailed and pumped ☐ 70
   - compressed air ☐ 20
   - bailed only ☒ 10
   - pumped only ☐ 51
   - pumped slowly ☐ 50
   - Other _____ ☐ __

3. Time spent developing well 50 min.

4. Depth of well (from top of well casisng) 19.85 ft.

5. Inside diameter of well 2 in.

6. Volume of water in filter pack and well casing 2.3 gal.

7. Volume of water removed from well 10 gal.

8. Volume of water added (if any) _ _ _ . _ gal.

9. Source of water added _____

10. Analysis performed on water added? ☐ Yes ☐ No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 5.58 ft.	17.85 ft.
Date	b. 06/16/2010 (mm dd yyyy)	06/16/2010 (mm dd yyyy)
Time	c. 11:50 ☒ a.m. ☐ p.m.	12:40 ☐ a.m. ☒ p.m.
12. Sediment in well bottom	_ _ . _ inches	_ _ . _ inches
13. Water clarity	Clear ☒ 10 / Turbid ☐ 15 (Describe)	Clear ☐ 20 / Turbid ☒ 25 (Describe) Brown cloudy

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids	_ _ _ _ . _ mg/l	_ _ _ _ . _ mg/l
15. COD	_ _ _ _ . _ mg/l	_ _ _ _ . _ mg/l

16. Well developed by: Name (first, last) and Firm
First Name: Matt Last Name: Dahlem
Firm: PSI

17. Additional comments on development:

Name and Address of Facility Contact/Owner/Responsible Party
First Name: Leslie Last Name: Williams
Facility/Firm: Waukesha County
Street: 515 W. Moreland Blvd., Room AC 260
City/State/Zip: Waukesha, WI 53188

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: Matt [signature]
Print Name: Matt Dahlem
Firm: PSI

NOTE: See instructions for more information including a list of county codes and well type codes.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

Facility/Project Name	County Name	Well Name
Firestone Property	Waukesha	MW-2

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
	68	_____	___

1. Can this well be purged dry? ☐ Yes ☒ No

2. Well development method
   - surged with bailer and bailed ☐ 41
   - surged with bailer and pumped ☐ 61
   - surged with block and bailed ☐ 42
   - surged with block and pumped ☐ 62
   - surged with block, bailed and pumped ☐ 70
   - compressed air ☐ 20
   - bailed only ☒ 10
   - pumped only ☐ 51
   - pumped slowly ☐ 50
   - Other _____ ☐

3. Time spent developing well 45 min.

4. Depth of well (from top of well casisng) 19.45 ft.

5. Inside diameter of well 2 in.

6. Volume of water in filter pack and well casing 2.49 gal.

7. Volume of water removed from well 10 gal.

8. Volume of water added (if any) ___ gal.

9. Source of water added _____

10. Analysis performed on water added? ☐ Yes ☐ No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 4.20 ft.	18.50 ft.
Date	b. 09/08/2010 (mm/dd/yyyy)	09/08/2010 (mm/dd/yyyy)
Time	c. 1:15 ☐ a.m. ☒ p.m.	2:00 ☐ a.m. ☒ p.m.
12. Sediment in well bottom	___ inches	___ inches
13. Water clarity	Clear ☒ 10 / Turbid ☐ 15 (Describe)	Clear ☐ 20 / Turbid ☒ 25 (Describe) Light brown cloudy

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids	___ mg/l	___ mg/l
15. COD	___ mg/l	___ mg/l

16. Well developed by: Name (first, last) and Firm
First Name: Matt Last Name: Dahlem
Firm: PSI

17. Additional comments on development:

Name and Address of Facility Contact/Owner/Responsible Party
First Name: Leslie Last Name: Williams
Facility/Firm: Waukesha County
Street: 515 W. Moreland Blvd., Room AC 260
City/State/Zip: Waukesha, WI 53188

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: Matt Dahlem
Print Name: Matt Dahlem
Firm: PSI

NOTE: See instructions for more information including a list of county codes and well type codes.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

Facility/Project Name	County Name	Well Name
Firestone Property	Waukesha	MW-4

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
	68	_____	___

1. Can this well be purged dry? ☐ Yes ☒ No

2. Well development method
   - surged with bailer and bailed ☐ 41
   - surged with bailer and pumped ☐ 61
   - surged with block and bailed ☐ 42
   - surged with block and pumped ☐ 62
   - surged with block, bailed and pumped ☐ 70
   - compressed air ☐ 20
   - bailed only ☒ 10
   - pumped only ☐ 51
   - pumped slowly ☐ 50
   - Other _____ ☐ ___

3. Time spent developing well 45 min.

4. Depth of well (from top of well casisng) 20.05 ft.

5. Inside diameter of well 2 in.

6. Volume of water in filter pack and well casing 2.46 gal.

7. Volume of water removed from well 10 gal.

8. Volume of water added (if any) ___ gal.

9. Source of water added _____

10. Analysis performed on water added? ☐ Yes ☐ No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 4.93 ft.	19.00 ft.
Date	b. 09/08/2010 (mm/dd/yyyy)	09/08/2010 (mm/dd/yyyy)
Time	c. 12:15 ☐ a.m. ☒ p.m.	1:00 ☐ a.m. ☒ p.m.
12. Sediment in well bottom	___ inches	___ inches
13. Water clarity	Clear ☒ 10 Turbid ☐ 15 (Describe)	Clear ☐ 20 Turbid ☒ 25 (Describe) Light brown cloudy

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids	___ mg/l	___ mg/l
15. COD	___ mg/l	___ mg/l

16. Well developed by: Name (first, last) and Firm
First Name: Matt Last Name: Dahlem
Firm: PSI

17. Additional comments on development:

Name and Address of Facility Contact/Owner/Responsible Party
First Name: Leslie Last Name: Williams
Facility/Firm: Waukesha County
Street: 515 W. Moreland Blvd., Room AC 260
City/State/Zip: Waukesha, WI 53188

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: Matt Dahlem
Print Name: Matt Dahlem
Firm: PSI

NOTE: See instructions for more information including a list of county codes and well type codes.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

Facility/Project Name	County Name	Well Name
Firestone Property	Waukesha	MW-5

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
	68	_ _ _ _ _ _	_ _ _

1. Can this well be purged dry? ☐ Yes ☒ No

2. Well development method
   - surged with bailer and bailed ☐ 41
   - surged with bailer and pumped ☐ 61
   - surged with block and bailed ☐ 42
   - surged with block and pumped ☐ 62
   - surged with block, bailed and pumped ☐ 70
   - compressed air ☐ 20
   - bailed only ☒ 10
   - pumped only ☐ 51
   - pumped slowly ☐ 50
   - Other _____ ☐

3. Time spent developing well 45 min.

4. Depth of well (from top of well casisng) 19.85 ft.

5. Inside diameter of well 2 in.

6. Volume of water in filter pack and well casing 2.54 gal.

7. Volume of water removed from well 10 gal.

8. Volume of water added (if any) _ _ _.__ gal.

9. Source of water added _____

10. Analysis performed on water added? ☐ Yes ☐ No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 4.26 ft.	19.00 ft.
Date	b. 09/08/2010 (mm/dd/yyyy)	09/08/2010 (mm/dd/yyyy)
Time	c. 2:15 ☐ a.m. ☒ p.m.	3:00 ☐ a.m. ☒ p.m.
12. Sediment in well bottom	_ _.__ inches	_ _.__ inches
13. Water clarity	Clear ☒ 10 Turbid ☐ 15 (Describe)	Clear ☐ 20 Turbid ☒ 25 (Describe) Light brown cloudy

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids	_ _ _ _.__ mg/l	_ _ _ _.__ mg/l
15. COD	_ _ _ _.__ mg/l	_ _ _ _.__ mg/l

16. Well developed by: Name (first, last) and Firm
First Name: Matt Last Name: Dahlem
Firm: PSI

17. Additional comments on development:

Name and Address of Facility Contact/Owner/Responsible Party
First Name: Leslie Last Name: Williams
Facility/Firm: Waukesha County
Street: 515 W. Moreland Blvd., Room AC 260
City/State/Zip: Waukesha, WI 53188

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: Matt Dahlem
Print Name: Matt Dahlem
Firm: PSI

NOTE: See instructions for more information including a list of county codes and well type codes.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

Facility/Project Name	County Name	Well Name
Firestone Property	Waukesha	MW-11

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
	68	_ _ _ _ _ _	_ _ _

1. Can this well be purged dry? ☐ Yes ☒ No

2. Well development method
   - surged with bailer and bailed ☐ 41
   - surged with bailer and pumped ☐ 61
   - surged with block and bailed ☐ 42
   - surged with block and pumped ☐ 62
   - surged with block, bailed and pumped ☐ 70
   - compressed air ☐ 20
   - bailed only ☒ 10
   - pumped only ☐ 51
   - pumped slowly ☐ 50
   - Other _____ ☐

3. Time spent developing well 45 min.

4. Depth of well (from top of well casisng) 19.75 ft.

5. Inside diameter of well 2 in.

6. Volume of water in filter pack and well casing 2.26 gal.

7. Volume of water removed from well 9.5 gal.

8. Volume of water added (if any) _ _ _ . _ gal.

9. Source of water added _____

10. Analysis performed on water added? ☐ Yes ☐ No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 5.86 ft.	18.50 ft.
Date	b. 09/08/2010 (mm dd yyyy)	09/08/2010 (mm dd yyyy)
Time	c. 11:15 ☒ a.m. ☐ p.m.	12:00 ☐ a.m. ☒ p.m.
12. Sediment in well bottom	_ _ . _ inches	_ _ . _ inches
13. Water clarity	Clear ☒ 10 Turbid ☐ 15 (Describe)	Clear ☐ 20 Turbid ☒ 25 (Describe) Light brown cloudy

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids	_ _ _ _ . _ mg/l	_ _ _ _ . _ mg/l
15. COD	_ _ _ _ . _ mg/l	_ _ _ _ . _ mg/l

16. Well developed by: Name (first, last) and Firm
First Name: Matt Last Name: Dahlem
Firm: PSI

17. Additional comments on development:

Name and Address of Facility Contact/Owner/Responsible Party
First Name: Leslie Last Name: Williams
Facility/Firm: Waukesha County
Street: 515 W. Moreland Blvd., Room AC 260
City/State/Zip: Waukesha, WI 53188

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: Matt Dahlem
Print Name: Matt Dahlem
Firm: PSI

NOTE: See instructions for more information including a list of county codes and well type codes.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

Facility/Project Name	County Name	Well Name
Firestone Property	Waukesha	MW-12

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
	68	_____	___

1. Can this well be purged dry? ☐ Yes ☒ No

2. Well development method
   - surged with bailer and bailed ☐ 41
   - surged with bailer and pumped ☐ 61
   - surged with block and bailed ☐ 42
   - surged with block and pumped ☐ 62
   - surged with block, bailed and pumped ☐ 70
   - compressed air ☐ 20
   - bailed only ☒ 10
   - pumped only ☐ 51
   - pumped slowly ☐ 50
   - Other _____ ☐

3. Time spent developing well 40 min.

4. Depth of well (from top of well casisng) 19.85 ft.

5. Inside diameter of well 2 in.

6. Volume of water in filter pack and well casing 2.15 gal.

7. Volume of water removed from well 10 gal.

8. Volume of water added (if any) ___.__ gal.

9. Source of water added _____

10. Analysis performed on water added? ☐ Yes ☐ No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 6.66 ft.	16.50 ft.
Date	b. 09/08/2010 (mm/dd/yyyy)	09/08/2010 (mm/dd/yyyy)
Time	c. 10:20 ☒ a.m. ☐ p.m.	11:00 ☒ a.m. ☐ p.m.
12. Sediment in well bottom	___.__ inches	___.__ inches
13. Water clarity	Clear ☒ 10 Turbid ☐ 15 (Describe)	Clear ☐ 20 Turbid ☒ 25 (Describe) Light brown cloudy

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids	____.__ mg/l	____.__ mg/l
15. COD	____.__ mg/l	____.__ mg/l

16. Well developed by: Name (first, last) and Firm
First Name: Matt Last Name: Dahlem
Firm: PSI

17. Additional comments on development:

Name and Address of Facility Contact/Owner/Responsible Party
First Name: Leslie Last Name: Williams
Facility/Firm: Waukesha County
Street: 515 W. Moreland Blvd., Room AC 260
City/State/Zip: Waukesha, WI 53188

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: Matt Dahlem
Print Name: Matt Dahlem
Firm: PSI

NOTE: See instructions for more information including a list of county codes and well type codes.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

Facility/Project Name	County Name	Well Name
Firestone Property	Waukesha	MW-2

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
	68	_____	___

1. Can this well be purged dry? ☐ Yes ☒ No

2. Well development method
   - surged with bailer and bailed ☐ 41
   - surged with bailer and pumped ☐ 61
   - surged with block and bailed ☐ 42
   - surged with block and pumped ☐ 62
   - surged with block, bailed and pumped ☐ 70
   - compressed air ☐ 20
   - bailed only ☒ 10
   - pumped only ☐ 51
   - pumped slowly ☐ 50
   - Other _____ ☐ __

3. Time spent developing well 45 min.

4. Depth of well (from top of well casisng) 19.45 ft.

5. Inside diameter of well 2 in.

6. Volume of water in filter pack and well casing 2. gal.

7. Volume of water removed from well 8. gal.

8. Volume of water added (if any) ___. gal.

9. Source of water added _____

10. Analysis performed on water added? ☐ Yes ☐ No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing) a.	7.20 ft.	18.90 ft.
Date b.	12/07/2010 (m m d d y y y y)	12/07/2010 (m m d d y y y y)
Time c.	10:15 ☒ a.m. ☐ p.m.	11:00 ☒ a.m. ☐ p.m.
12. Sediment in well bottom	___. inches	___. inches
13. Water clarity	Clear ☒ 10; Turbid ☐ 15; (Describe)	Clear ☐ 20; Turbid ☒ 25; (Describe) Light brown cloudy

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids	____. mg/l	____. mg/l
15. COD	____. mg/l	____. mg/l

16. Well developed by: Name (first, last) and Firm
First Name: Matt Last Name: Dahlem
Firm: PSI

17. Additional comments on development:

Name and Address of Facility Contact /Owner/Responsible Party
First Name: Leslie Last Name: Williams
Facility/Firm: Waukesha County
Street: 515 W. Moreland Blvd., Room AC 260
City/State/Zip: Waukesha, WI 53188

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: Matt Dahlem
Print Name: Matt Dahlem
Firm: PSI

NOTE: See instructions for more information including a list of county codes and well type codes.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

Facility/Project Name	County Name	Well Name
Firestone Property	Waukesha	MW-4

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
	68	_____	___

1. Can this well be purged dry? ☐ Yes ☒ No

2. Well development method
   - surged with bailer and bailed ☐ 41
   - surged with bailer and pumped ☐ 61
   - surged with block and bailed ☐ 42
   - surged with block and pumped ☐ 62
   - surged with block, bailed and pumped ☐ 70
   - compressed air ☐ 20
   - bailed only ☒ 10
   - pumped only ☐ 51
   - pumped slowly ☐ 50
   - Other _____ ☐ __

3. Time spent developing well 45 min.

4. Depth of well (from top of well casisng) 20.05 ft.

5. Inside diameter of well 2 in.

6. Volume of water in filter pack and well casing 2.19 gal.

7. Volume of water removed from well 9 gal.

8. Volume of water added (if any) ___ gal.

9. Source of water added _____

10. Analysis performed on water added? ☐ Yes ☐ No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 6.61 ft.	19.70 ft.
Date	b. 12/07/2010 (mm dd yyyy)	12/07/2010 (mm dd yyyy)
Time	c. 11:15 ☒ a.m. ☐ p.m.	12:00 ☐ a.m. ☒ p.m.
12. Sediment in well bottom	___ inches	___ inches
13. Water clarity	Clear ☒ 10 / Turbid ☐ 15 (Describe)	Clear ☐ 20 / Turbid ☒ 25 (Describe) Light brown cloudy

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids	____ mg/l	____ mg/l
15. COD	____ mg/l	____ mg/l

16. Well developed by: Name (first, last) and Firm
First Name: Matt Last Name: Ahlem
Firm: PSI

17. Additional comments on development:

Name and Address of Facility Contact/Owner/Responsible Party
First Name: Leslie Last Name: Williams
Facility/Firm: Waukesha County
Street: 515 W. Moreland Blvd., Room AC 260
City/State/Zip: Waukesha, WI 53188

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: Matt Ahlem
Print Name: Matt Ahlem
Firm: PSI

NOTE: See instructions for more information including a list of county codes and well type codes.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

Facility/Project Name	County Name	Well Name
Firestone Property	Waukesha	MW-5

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
	68	_ _ _ _ _ _	_ _ _

1. Can this well be purged dry? ☐ Yes ☒ No

2. Well development method
   - surged with bailer and bailed ☐ 41
   - surged with bailer and pumped ☐ 61
   - surged with block and bailed ☐ 42
   - surged with block and pumped ☐ 62
   - surged with block, bailed and pumped ☐ 70
   - compressed air ☐ 20
   - bailed only ☒ 10
   - pumped only ☐ 51
   - pumped slowly ☐ 50
   - Other _____ ☐ ___

3. Time spent developing well 45 min.

4. Depth of well (from top of well casisng) 19.85 ft.

5. Inside diameter of well 2 in.

6. Volume of water in filter pack and well casing 2.4 gal.

7. Volume of water removed from well 10 gal.

8. Volume of water added (if any) _ _ _ . _ gal.

9. Source of water added _____

10. Analysis performed on water added? ☐ Yes ☐ No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 5.11 ft.	18.85 ft.
Date	b. 12/07/2010 (mm dd yyyy)	12/07/2010 (mm dd yyyy)
Time	c. 12:15 ☐ a.m. ☒ p.m.	1:00 ☐ a.m. ☒ p.m.
12. Sediment in well bottom	_ _ . _ inches	_ _ . _ inches
13. Water clarity	Clear ☒ 10 Turbid ☐ 15 (Describe)	Clear ☐ 20 Turbid ☒ 25 (Describe) Light brown cloudy

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids	_ _ _ _ . _ mg/l	_ _ _ _ . _ mg/l
15. COD	_ _ _ _ . _ mg/l	_ _ _ _ . _ mg/l

16. Well developed by: Name (first, last) and Firm
First Name: Matt Last Name: Ahlem
Firm: PSI

17. Additional comments on development:

Name and Address of Facility Contact/Owner/Responsible Party
First Name: Leslie Last Name: Williams
Facility/Firm: Waukesh County
Street: 515 W. Moreland Blvd., Room AC 260
City/State/Zip: Waukesha, WI 53188

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: Matt Ahlem
Print Name: Matt Ahlem
Firm: PSI

NOTE: See instructions for more information including a list of county codes and well type codes.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☑ Other ☐ _____

Facility/Project Name	County Name	Well Name
Firestone Property	Waukesha	MW-11

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
	68	_____	___

1. Can this well be purged dry? ☐ Yes ☒ No

2. Well development method
   - surged with bailer and bailed ☐ 41
   - surged with bailer and pumped ☐ 61
   - surged with block and bailed ☐ 42
   - surged with block and pumped ☐ 62
   - surged with block, bailed and pumped ☐ 70
   - compressed air ☐ 20
   - bailed only ☒ 10
   - pumped only ☐ 51
   - pumped slowly ☐ 50
   - Other _____ ☐ ___

3. Time spent developing well 45 min.

4. Depth of well (from top of well casisng) 19.75 ft.

5. Inside diameter of well 2 in.

6. Volume of water in filter pack and well casing 2.14 gal.

7. Volume of water removed from well 9 gal.

8. Volume of water added (if any) ___ gal.

9. Source of water added _____

10. Analysis performed on water added? ☐ Yes ☐ No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 6.65 ft.	19.10 ft.
Date	b. 12/07/2010 (m m d d y y y y)	12/07/2010 (m m d d y y y y)
Time	c. 1:15 ☐ a.m. ☒ p.m.	2:00 ☐ a.m. ☒ p.m.
12. Sediment in well bottom	___ inches	___ inches
13. Water clarity	Clear ☒ 10 Turbid ☐ 15 (Describe)	Clear ☐ 20 Turbid ☒ 25 (Describe) Light brown cloudy

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids	____ mg/l	____ mg/l
15. COD	____ mg/l	____ mg/l

16. Well developed by: Name (first, last) and Firm
First Name: Matt Last Name: Dahlem
Firm: PSI

17. Additional comments on development:

Name and Address of Facility Contact/Owner/Responsible Party
First Name: Leslie Last Name: Williams
Facility/Firm: Waukesha County
Street: 515 W. Moreland Blvd., Room AC 260
City/State/Zip: Waukesha, WI 53188

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: Matt [signature]
Print Name: Matt Dahlem
Firm: PSI

NOTE: See instructions for more information including a list of county codes and well type codes.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

Facility/Project Name	County Name	Well Name
Firestone Property	Waukesha	MW-12

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
	68	_____	___

1. Can this well be purged dry? ☐ Yes ☒ No

2. Well development method
   - surged with bailer and bailed ☐ 41
   - surged with bailer and pumped ☐ 61
   - surged with block and bailed ☐ 42
   - surged with block and pumped ☐ 62
   - surged with block, bailed and pumped ☐ 70
   - compressed air ☐ 20
   - bailed only ☒ 10
   - pumped only ☐ 51
   - pumped slowly ☐ 50
   - Other _____ ☐ ___

3. Time spent developing well 45 min.

4. Depth of well (from top of well casisng) 19.85 ft.

5. Inside diameter of well 2 in.

6. Volume of water in filter pack and well casing 2 gal.

7. Volume of water removed from well 10 gal.

8. Volume of water added (if any) ___ gal.

9. Source of water added _____

10. Analysis performed on water added? ☐ Yes ☐ No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 7.51 ft.	16.90 ft.
Date	b. 12/07/2010 (mm/dd/yyyy)	12/07/2010 (mm/dd/yyyy)
Time	c. 2:15 ☐ a.m. ☒ p.m.	3:00 ☐ a.m. ☒ p.m.
12. Sediment in well bottom	___ inches	___ inches
13. Water clarity	Clear ☒ 10 / Turbid ☐ 15 (Describe)	Clear ☐ 20 / Turbid ☒ 25 (Describe) Light brown cloudy

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids	____ mg/l	____ mg/l
15. COD	____ mg/l	____ mg/l

16. Well developed by: Name (first, last) and Firm
First Name: Matt Last Name: Dahlem
Firm: PSI

17. Additional comments on development:

Name and Address of Facility Contact/Owner/Responsible Party
First Name: Leslie Last Name: Williams
Facility/Firm: Waukesha County
Street: 515 W. Moreland Blvd., Room AC 260
City/State/Zip: Waukesha, WI 53188

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: Matt [signature]
Print Name: Matt Dahlem
Firm: PSI

NOTE: See instructions for more information including a list of county codes and well type codes.

APPENDIX D

LABORATORY ANALYTICAL REPORTS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

June 24, 2010

Matt Dahlem
PSI Incorporated
W237 N2878 Woodgate Road
Suite 2
Pewaukee, WI 53072

RE: Project: 0054263 FIRESTONE-MUSKEGO
Pace Project No.: 4033345

Dear Matt Dahlem:
Enclosed are the analytical results for sample(s) received by the laboratory on June 17, 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,

Laurie Woelfel

Laurie Woelfel

laurie.woelfel@pacelabs.com
Project Manager

Enclosures

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Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

CERTIFICATIONS

Project: 0054263 FIRESTONE-MUSKEGO
Pace Project No.: 4033345

Green Bay Certification IDs
1241 Bellevue Street Green Bay, WI 54302
California Certification #: 09268CA
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 11887
New York Certification #: 11888
North Carolina Certification #: 503
North Dakota Certification #: R-150
South Carolina Certification #: 83006001
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444

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Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE SUMMARY

Project: 0054263 FIRESTONE-MUSKEGO
Pace Project No.: 4033345

Lab ID	Sample ID	Matrix	Date Collected	Date Received
4033345001	**MW-2**	Water	06/16/10 13:40	06/17/10 13:35
4033345002	**MW-4**	Water	06/16/10 13:00	06/17/10 13:35
4033345003	**MW-5**	Water	06/16/10 14:20	06/17/10 13:35
4033345004	**MW-11**	Water	06/16/10 11:40	06/17/10 13:35
4033345005	**MW-12**	Water	06/16/10 12:40	06/17/10 13:35

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1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE ANALYTE COUNT

Project: 0054263 FIRESTONE-MUSKEGO
Pace Project No.: 4033345

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
4033345001	**MW-2**	EPA 6010	DLB	1	PASI-G
		EPA 8270 by SIM	RJN	20	PASI-G
		EPA 8260	SMT	64	PASI-G
4033345002	**MW-4**	EPA 6010	DLB	1	PASI-G
		EPA 8270 by SIM	RJN	20	PASI-G
		EPA 8260	SMT	64	PASI-G
4033345003	**MW-5**	EPA 6010	DLB	1	PASI-G
		EPA 8270 by SIM	RJN	20	PASI-G
		EPA 8260	SMT	64	PASI-G
4033345004	**MW-11**	EPA 6010	DLB	1	PASI-G
		EPA 8270 by SIM	RJN	20	PASI-G
		EPA 8260	SMT	64	PASI-G
4033345005	**MW-12**	EPA 6010	DLB	1	PASI-G
		EPA 8270 by SIM	RJN	20	PASI-G
		EPA 8260	SMT	64	PASI-G

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Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 0054263 FIRESTONE-MUSKEGO
Pace Project No.: 4033345

Sample: MW-2 **Lab ID: 4033345001** Collected: 06/16/10 13:40 Received: 06/17/10 13:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Lead, Dissolved	**3.1J**	ug/L	7.5	1.7	1		06/21/10 15:05	7439-92-1	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Acenaphthene	**0.0051J**	ug/L	0.047	0.0045	1	06/18/10 10:15	06/21/10 11:45	83-32-9	B
Acenaphthylene	**<0.0036**	ug/L	0.047	0.0036	1	06/18/10 10:15	06/21/10 11:45	208-96-8	
Anthracene	**0.010J**	ug/L	0.047	0.0057	1	06/18/10 10:15	06/21/10 11:45	120-12-7	
Benzo(a)anthracene	**0.0076J**	ug/L	0.047	0.0036	1	06/18/10 10:15	06/21/10 11:45	56-55-3	
Benzo(a)pyrene	**0.0080J**	ug/L	0.047	0.0029	1	06/18/10 10:15	06/21/10 11:45	50-32-8	
Benzo(b)fluoranthene	**0.010J**	ug/L	0.047	0.0034	1	06/18/10 10:15	06/21/10 11:45	205-99-2	
Benzo(g,h,i)perylene	**0.011J**	ug/L	0.047	0.0048	1	06/18/10 10:15	06/21/10 11:45	191-24-2	
Benzo(k)fluoranthene	**0.012J**	ug/L	0.047	0.0044	1	06/18/10 10:15	06/21/10 11:45	207-08-9	
Chrysene	**0.014J**	ug/L	0.047	0.0035	1	06/18/10 10:15	06/21/10 11:45	218-01-9	
Dibenz(a,h)anthracene	**<0.0032**	ug/L	0.047	0.0032	1	06/18/10 10:15	06/21/10 11:45	53-70-3	
Fluoranthene	**0.015J**	ug/L	0.047	0.0044	1	06/18/10 10:15	06/21/10 11:45	206-44-0	
Fluorene	**<0.0048**	ug/L	0.047	0.0048	1	06/18/10 10:15	06/21/10 11:45	86-73-7	
Indeno(1,2,3-cd)pyrene	**0.0074J**	ug/L	0.047	0.0047	1	06/18/10 10:15	06/21/10 11:45	193-39-5	
1-Methylnaphthalene	**0.0082J**	ug/L	0.047	0.0050	1	06/18/10 10:15	06/21/10 11:45	90-12-0	B
2-Methylnaphthalene	**0.037J**	ug/L	0.047	0.0039	1	06/18/10 10:15	06/21/10 11:45	91-57-6	B
Naphthalene	**0.036J**	ug/L	0.047	0.0048	1	06/18/10 10:15	06/21/10 11:45	91-20-3	B
Phenanthrene	**0.014J**	ug/L	0.047	0.0081	1	06/18/10 10:15	06/21/10 11:45	85-01-8	
Pyrene	**0.13**	ug/L	0.047	0.0047	1	06/18/10 10:15	06/21/10 11:45	129-00-0	
2-Fluorobiphenyl (S)	56	%-	25-130		1	06/18/10 10:15	06/21/10 11:45	321-60-8	
Terphenyl-d14 (S)	136	%-	36-140		1	06/18/10 10:15	06/21/10 11:45	1718-51-0	
8260 MSV	Analytical Method: EPA 8260								
Benzene	**100**	ug/L	1.0	0.41	1		06/21/10 15:15	71-43-2	
Bromobenzene	**<0.82**	ug/L	1.0	0.82	1		06/21/10 15:15	108-86-1	
Bromochloromethane	**<0.97**	ug/L	1.0	0.97	1		06/21/10 15:15	74-97-5	
Bromodichloromethane	**<0.56**	ug/L	1.0	0.56	1		06/21/10 15:15	75-27-4	
Bromoform	**<0.94**	ug/L	1.0	0.94	1		06/21/10 15:15	75-25-2	
Bromomethane	**<0.91**	ug/L	1.0	0.91	1		06/21/10 15:15	74-83-9	
n-Butylbenzene	**<0.93**	ug/L	1.0	0.93	1		06/21/10 15:15	104-51-8	
sec-Butylbenzene	**<0.89**	ug/L	5.0	0.89	1		06/21/10 15:15	135-98-8	
tert-Butylbenzene	**<0.97**	ug/L	1.0	0.97	1		06/21/10 15:15	98-06-6	
Carbon tetrachloride	**<0.49**	ug/L	1.0	0.49	1		06/21/10 15:15	56-23-5	
Chlorobenzene	**<0.41**	ug/L	1.0	0.41	1		06/21/10 15:15	108-90-7	
Chloroethane	**<0.97**	ug/L	1.0	0.97	1		06/21/10 15:15	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		06/21/10 15:15	67-66-3	
Chloromethane	**<0.24**	ug/L	1.0	0.24	1		06/21/10 15:15	74-87-3	
2-Chlorotoluene	**<0.85**	ug/L	1.0	0.85	1		06/21/10 15:15	95-49-8	
4-Chlorotoluene	**<0.74**	ug/L	1.0	0.74	1		06/21/10 15:15	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/L	5.0	1.7	1		06/21/10 15:15	96-12-8	
Dibromochloromethane	**<0.81**	ug/L	1.0	0.81	1		06/21/10 15:15	124-48-1	
1,2-Dibromoethane (EDB)	**<0.56**	ug/L	1.0	0.56	1		06/21/10 15:15	106-93-4	
Dibromomethane	**<0.60**	ug/L	1.0	0.60	1		06/21/10 15:15	74-95-3	
1,2-Dichlorobenzene	**<0.83**	ug/L	1.0	0.83	1		06/21/10 15:15	95-50-1	

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ANALYTICAL RESULTS

Project: 0054263 FIRESTONE-MUSKEGO
Pace Project No.: 4033345

Sample: MW-2 **Lab ID: 4033345001** Collected: 06/16/10 13:40 Received: 06/17/10 13:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,3-Dichlorobenzene	**<0.87**	ug/L	1.0	0.87	1		06/21/10 15:15	541-73-1	
1,4-Dichlorobenzene	**<0.95**	ug/L	1.0	0.95	1		06/21/10 15:15	106-46-7	
Dichlorodifluoromethane	**<0.99**	ug/L	1.0	0.99	1		06/21/10 15:15	75-71-8	
1,1-Dichloroethane	**<0.75**	ug/L	1.0	0.75	1		06/21/10 15:15	75-34-3	
1,2-Dichloroethane	**25.9**	ug/L	1.0	0.36	1		06/21/10 15:15	107-06-2	
1,1-Dichloroethene	**<0.57**	ug/L	1.0	0.57	1		06/21/10 15:15	75-35-4	
cis-1,2-Dichloroethene	**<0.83**	ug/L	1.0	0.83	1		06/21/10 15:15	156-59-2	
trans-1,2-Dichloroethene	**<0.89**	ug/L	1.0	0.89	1		06/21/10 15:15	156-60-5	
1,2-Dichloropropane	**<0.49**	ug/L	1.0	0.49	1		06/21/10 15:15	78-87-5	
1,3-Dichloropropane	**<0.61**	ug/L	1.0	0.61	1		06/21/10 15:15	142-28-9	
2,2-Dichloropropane	**<0.62**	ug/L	1.0	0.62	1		06/21/10 15:15	594-20-7	
1,1-Dichloropropene	**<0.75**	ug/L	1.0	0.75	1		06/21/10 15:15	563-58-6	
cis-1,3-Dichloropropene	**<0.20**	ug/L	1.0	0.20	1		06/21/10 15:15	10061-01-5	
trans-1,3-Dichloropropene	**<0.19**	ug/L	1.0	0.19	1		06/21/10 15:15	10061-02-6	
Diisopropyl ether	**<0.76**	ug/L	1.0	0.76	1		06/21/10 15:15	108-20-3	
Ethylbenzene	**14.7**	ug/L	1.0	0.54	1		06/21/10 15:15	100-41-4	
Hexachloro-1,3-butadiene	**<0.67**	ug/L	5.0	0.67	1		06/21/10 15:15	87-68-3	
Isopropylbenzene (Cumene)	**0.59J**	ug/L	1.0	0.59	1		06/21/10 15:15	98-82-8	
p-Isopropyltoluene	**<0.67**	ug/L	1.0	0.67	1		06/21/10 15:15	99-87-6	
Methylene Chloride	**<0.43**	ug/L	1.0	0.43	1		06/21/10 15:15	75-09-2	
Methyl-tert-butyl ether	**<0.61**	ug/L	1.0	0.61	1		06/21/10 15:15	1634-04-4	
Naphthalene	**<0.89**	ug/L	5.0	0.89	1		06/21/10 15:15	91-20-3	
n-Propylbenzene	**1.2**	ug/L	1.0	0.81	1		06/21/10 15:15	103-65-1	
Styrene	**<0.86**	ug/L	1.0	0.86	1		06/21/10 15:15	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.92**	ug/L	1.0	0.92	1		06/21/10 15:15	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.20**	ug/L	1.0	0.20	1		06/21/10 15:15	79-34-5	
Tetrachloroethene	**<0.45**	ug/L	1.0	0.45	1		06/21/10 15:15	127-18-4	
Toluene	**93.4**	ug/L	1.0	0.67	1		06/21/10 15:15	108-88-3	
1,2,3-Trichlorobenzene	**<0.74**	ug/L	1.0	0.74	1		06/21/10 15:15	87-61-6	
1,2,4-Trichlorobenzene	**<0.97**	ug/L	1.0	0.97	1		06/21/10 15:15	120-82-1	
1,1,1-Trichloroethane	**<0.90**	ug/L	1.0	0.90	1		06/21/10 15:15	71-55-6	
1,1,2-Trichloroethane	**<0.42**	ug/L	1.0	0.42	1		06/21/10 15:15	79-00-5	
Trichloroethene	**<0.48**	ug/L	1.0	0.48	1		06/21/10 15:15	79-01-6	
Trichlorofluoromethane	**<0.79**	ug/L	1.0	0.79	1		06/21/10 15:15	75-69-4	
1,2,3-Trichloropropane	**<0.99**	ug/L	1.0	0.99	1		06/21/10 15:15	96-18-4	
1,2,4-Trimethylbenzene	**6.7**	ug/L	1.0	0.97	1		06/21/10 15:15	95-63-6	
1,3,5-Trimethylbenzene	**9.2**	ug/L	1.0	0.83	1		06/21/10 15:15	108-67-8	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		06/21/10 15:15	75-01-4	
m&p-Xylene	**10.3**	ug/L	2.0	1.8	1		06/21/10 15:15	179601-23-1	
o-Xylene	**11.1**	ug/L	1.0	0.83	1		06/21/10 15:15	95-47-6	
4-Bromofluorobenzene (S)	93	%-	69-130		1		06/21/10 15:15	460-00-4	
Dibromofluoromethane (S)	96	%-	70-134		1		06/21/10 15:15	1868-53-7	
Toluene-d8 (S)	100	%-	70-130		1		06/21/10 15:15	2037-26-5	

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ANALYTICAL RESULTS

Project: 0054263 FIRESTONE-MUSKEGO
Pace Project No.: 4033345

Sample: MW-4 **Lab ID: 4033345002** Collected: 06/16/10 13:00 Received: 06/17/10 13:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Lead, Dissolved	**<1.7**	ug/L	7.5	1.7	1		06/21/10 15:09	7439-92-1	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Acenaphthene	**<0.0045**	ug/L	0.047	0.0045	1	06/21/10 08:00	06/21/10 18:13	83-32-9	
Acenaphthylene	**<0.0036**	ug/L	0.047	0.0036	1	06/21/10 08:00	06/21/10 18:13	208-96-8	
Anthracene	**0.0074J**	ug/L	0.047	0.0057	1	06/21/10 08:00	06/21/10 18:13	120-12-7	
Benzo(a)anthracene	**0.011J**	ug/L	0.047	0.0036	1	06/21/10 08:00	06/21/10 18:13	56-55-3	B
Benzo(a)pyrene	**0.013J**	ug/L	0.047	0.0029	1	06/21/10 08:00	06/21/10 18:13	50-32-8	B
Benzo(b)fluoranthene	**0.016J**	ug/L	0.047	0.0034	1	06/21/10 08:00	06/21/10 18:13	205-99-2	B
Benzo(g,h,i)perylene	**0.013J**	ug/L	0.047	0.0048	1	06/21/10 08:00	06/21/10 18:13	191-24-2	B
Benzo(k)fluoranthene	**0.012J**	ug/L	0.047	0.0044	1	06/21/10 08:00	06/21/10 18:13	207-08-9	B
Chrysene	**0.020J**	ug/L	0.047	0.0035	1	06/21/10 08:00	06/21/10 18:13	218-01-9	B
Dibenz(a,h)anthracene	**<0.0032**	ug/L	0.047	0.0032	1	06/21/10 08:00	06/21/10 18:13	53-70-3	
Fluoranthene	**0.035J**	ug/L	0.047	0.0044	1	06/21/10 08:00	06/21/10 18:13	206-44-0	B
Fluorene	**0.0054J**	ug/L	0.047	0.0048	1	06/21/10 08:00	06/21/10 18:13	86-73-7	
Indeno(1,2,3-cd)pyrene	**0.0099J**	ug/L	0.047	0.0047	1	06/21/10 08:00	06/21/10 18:13	193-39-5	B
1-Methylnaphthalene	**0.023J**	ug/L	0.047	0.0050	1	06/21/10 08:00	06/21/10 18:13	90-12-0	
2-Methylnaphthalene	**0.045J**	ug/L	0.047	0.0039	1	06/21/10 08:00	06/21/10 18:13	91-57-6	
Naphthalene	**0.097**	ug/L	0.047	0.0048	1	06/21/10 08:00	06/21/10 18:13	91-20-3	B
Phenanthrene	**0.031J**	ug/L	0.047	0.0081	1	06/21/10 08:00	06/21/10 18:13	85-01-8	
Pyrene	**0.11**	ug/L	0.047	0.0047	1	06/21/10 08:00	06/21/10 18:13	129-00-0	B
2-Fluorobiphenyl (S)	50	%-	25-130		1	06/21/10 08:00	06/21/10 18:13	321-60-8	
Terphenyl-d14 (S)	61	%-	36-140		1	06/21/10 08:00	06/21/10 18:13	1718-51-0	
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.41**	ug/L	1.0	0.41	1		06/21/10 17:20	71-43-2	
Bromobenzene	**<0.82**	ug/L	1.0	0.82	1		06/21/10 17:20	108-86-1	
Bromochloromethane	**<0.97**	ug/L	1.0	0.97	1		06/21/10 17:20	74-97-5	
Bromodichloromethane	**<0.56**	ug/L	1.0	0.56	1		06/21/10 17:20	75-27-4	
Bromoform	**<0.94**	ug/L	1.0	0.94	1		06/21/10 17:20	75-25-2	
Bromomethane	**<0.91**	ug/L	1.0	0.91	1		06/21/10 17:20	74-83-9	
n-Butylbenzene	**<0.93**	ug/L	1.0	0.93	1		06/21/10 17:20	104-51-8	
sec-Butylbenzene	**<0.89**	ug/L	5.0	0.89	1		06/21/10 17:20	135-98-8	
tert-Butylbenzene	**<0.97**	ug/L	1.0	0.97	1		06/21/10 17:20	98-06-6	
Carbon tetrachloride	**<0.49**	ug/L	1.0	0.49	1		06/21/10 17:20	56-23-5	
Chlorobenzene	**<0.41**	ug/L	1.0	0.41	1		06/21/10 17:20	108-90-7	
Chloroethane	**<0.97**	ug/L	1.0	0.97	1		06/21/10 17:20	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		06/21/10 17:20	67-66-3	
Chloromethane	**<0.24**	ug/L	1.0	0.24	1		06/21/10 17:20	74-87-3	
2-Chlorotoluene	**<0.85**	ug/L	1.0	0.85	1		06/21/10 17:20	95-49-8	
4-Chlorotoluene	**<0.74**	ug/L	1.0	0.74	1		06/21/10 17:20	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/L	5.0	1.7	1		06/21/10 17:20	96-12-8	
Dibromochloromethane	**<0.81**	ug/L	1.0	0.81	1		06/21/10 17:20	124-48-1	
1,2-Dibromoethane (EDB)	**<0.56**	ug/L	1.0	0.56	1		06/21/10 17:20	106-93-4	
Dibromomethane	**<0.60**	ug/L	1.0	0.60	1		06/21/10 17:20	74-95-3	
1,2-Dichlorobenzene	**<0.83**	ug/L	1.0	0.83	1		06/21/10 17:20	95-50-1	

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ANALYTICAL RESULTS

Project: 0054263 FIRESTONE-MUSKEGO
Pace Project No.: 4033345

Sample: MW-4 **Lab ID: 4033345002** Collected: 06/16/10 13:00 Received: 06/17/10 13:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,3-Dichlorobenzene	**<0.87**	ug/L	1.0	0.87	1		06/21/10 17:20	541-73-1	
1,4-Dichlorobenzene	**<0.95**	ug/L	1.0	0.95	1		06/21/10 17:20	106-46-7	
Dichlorodifluoromethane	**<0.99**	ug/L	1.0	0.99	1		06/21/10 17:20	75-71-8	
1,1-Dichloroethane	**<0.75**	ug/L	1.0	0.75	1		06/21/10 17:20	75-34-3	
1,2-Dichloroethane	**<0.36**	ug/L	1.0	0.36	1		06/21/10 17:20	107-06-2	
1,1-Dichloroethene	**<0.57**	ug/L	1.0	0.57	1		06/21/10 17:20	75-35-4	
cis-1,2-Dichloroethene	**<0.83**	ug/L	1.0	0.83	1		06/21/10 17:20	156-59-2	
trans-1,2-Dichloroethene	**<0.89**	ug/L	1.0	0.89	1		06/21/10 17:20	156-60-5	
1,2-Dichloropropane	**<0.49**	ug/L	1.0	0.49	1		06/21/10 17:20	78-87-5	
1,3-Dichloropropane	**<0.61**	ug/L	1.0	0.61	1		06/21/10 17:20	142-28-9	
2,2-Dichloropropane	**<0.62**	ug/L	1.0	0.62	1		06/21/10 17:20	594-20-7	
1,1-Dichloropropene	**<0.75**	ug/L	1.0	0.75	1		06/21/10 17:20	563-58-6	
cis-1,3-Dichloropropene	**<0.20**	ug/L	1.0	0.20	1		06/21/10 17:20	10061-01-5	
trans-1,3-Dichloropropene	**<0.19**	ug/L	1.0	0.19	1		06/21/10 17:20	10061-02-6	
Diisopropyl ether	**<0.76**	ug/L	1.0	0.76	1		06/21/10 17:20	108-20-3	
Ethylbenzene	**<0.54**	ug/L	1.0	0.54	1		06/21/10 17:20	100-41-4	
Hexachloro-1,3-butadiene	**<0.67**	ug/L	5.0	0.67	1		06/21/10 17:20	87-68-3	
Isopropylbenzene (Cumene)	**<0.59**	ug/L	1.0	0.59	1		06/21/10 17:20	98-82-8	
p-Isopropyltoluene	**<0.67**	ug/L	1.0	0.67	1		06/21/10 17:20	99-87-6	
Methylene Chloride	**<0.43**	ug/L	1.0	0.43	1		06/21/10 17:20	75-09-2	
Methyl-tert-butyl ether	**<0.61**	ug/L	1.0	0.61	1		06/21/10 17:20	1634-04-4	
Naphthalene	**<0.89**	ug/L	5.0	0.89	1		06/21/10 17:20	91-20-3	
n-Propylbenzene	**<0.81**	ug/L	1.0	0.81	1		06/21/10 17:20	103-65-1	
Styrene	**<0.86**	ug/L	1.0	0.86	1		06/21/10 17:20	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.92**	ug/L	1.0	0.92	1		06/21/10 17:20	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.20**	ug/L	1.0	0.20	1		06/21/10 17:20	79-34-5	
Tetrachloroethene	**<0.45**	ug/L	1.0	0.45	1		06/21/10 17:20	127-18-4	
Toluene	**<0.67**	ug/L	1.0	0.67	1		06/21/10 17:20	108-88-3	
1,2,3-Trichlorobenzene	**<0.74**	ug/L	1.0	0.74	1		06/21/10 17:20	87-61-6	
1,2,4-Trichlorobenzene	**<0.97**	ug/L	1.0	0.97	1		06/21/10 17:20	120-82-1	
1,1,1-Trichloroethane	**<0.90**	ug/L	1.0	0.90	1		06/21/10 17:20	71-55-6	
1,1,2-Trichloroethane	**<0.42**	ug/L	1.0	0.42	1		06/21/10 17:20	79-00-5	
Trichloroethene	**<0.48**	ug/L	1.0	0.48	1		06/21/10 17:20	79-01-6	
Trichlorofluoromethane	**<0.79**	ug/L	1.0	0.79	1		06/21/10 17:20	75-69-4	
1,2,3-Trichloropropane	**<0.99**	ug/L	1.0	0.99	1		06/21/10 17:20	96-18-4	
1,2,4-Trimethylbenzene	**<0.97**	ug/L	1.0	0.97	1		06/21/10 17:20	95-63-6	
1,3,5-Trimethylbenzene	**<0.83**	ug/L	1.0	0.83	1		06/21/10 17:20	108-67-8	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		06/21/10 17:20	75-01-4	
m&p-Xylene	**<1.8**	ug/L	2.0	1.8	1		06/21/10 17:20	179601-23-1	
o-Xylene	**<0.83**	ug/L	1.0	0.83	1		06/21/10 17:20	95-47-6	
4-Bromofluorobenzene (S)	92	%-	69-130		1		06/21/10 17:20	460-00-4	
Dibromofluoromethane (S)	99	%-	70-134		1		06/21/10 17:20	1868-53-7	
Toluene-d8 (S)	100	%-	70-130		1		06/21/10 17:20	2037-26-5	

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ANALYTICAL RESULTS

Project: 0054263 FIRESTONE-MUSKEGO
Pace Project No.: 4033345

Sample: MW-5 **Lab ID: 4033345003** Collected: 06/16/10 14:20 Received: 06/17/10 13:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Lead, Dissolved	**<1.7**	ug/L	7.5	1.7	1		06/21/10 15:24	7439-92-1	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Acenaphthene	**<0.0045**	ug/L	0.047	0.0045	1	06/21/10 08:00	06/21/10 18:31	83-32-9	
Acenaphthylene	**<0.0036**	ug/L	0.047	0.0036	1	06/21/10 08:00	06/21/10 18:31	208-96-8	
Anthracene	**0.0095J**	ug/L	0.047	0.0057	1	06/21/10 08:00	06/21/10 18:31	120-12-7	
Benzo(a)anthracene	**0.0081J**	ug/L	0.047	0.0036	1	06/21/10 08:00	06/21/10 18:31	56-55-3	B
Benzo(a)pyrene	**0.0055J**	ug/L	0.047	0.0029	1	06/21/10 08:00	06/21/10 18:31	50-32-8	B
Benzo(b)fluoranthene	**0.0084J**	ug/L	0.047	0.0034	1	06/21/10 08:00	06/21/10 18:31	205-99-2	B
Benzo(g,h,i)perylene	**0.018J**	ug/L	0.047	0.0048	1	06/21/10 08:00	06/21/10 18:31	191-24-2	B
Benzo(k)fluoranthene	**<0.0044**	ug/L	0.047	0.0044	1	06/21/10 08:00	06/21/10 18:31	207-08-9	
Chrysene	**0.040J**	ug/L	0.047	0.0035	1	06/21/10 08:00	06/21/10 18:31	218-01-9	B
Dibenz(a,h)anthracene	**<0.0032**	ug/L	0.047	0.0032	1	06/21/10 08:00	06/21/10 18:31	53-70-3	
Fluoranthene	**0.023J**	ug/L	0.047	0.0044	1	06/21/10 08:00	06/21/10 18:31	206-44-0	B
Fluorene	**0.0092J**	ug/L	0.047	0.0048	1	06/21/10 08:00	06/21/10 18:31	86-73-7	
Indeno(1,2,3-cd)pyrene	**<0.0047**	ug/L	0.047	0.0047	1	06/21/10 08:00	06/21/10 18:31	193-39-5	
1-Methylnaphthalene	**0.067**	ug/L	0.047	0.0050	1	06/21/10 08:00	06/21/10 18:31	90-12-0	
2-Methylnaphthalene	**0.11**	ug/L	0.047	0.0039	1	06/21/10 08:00	06/21/10 18:31	91-57-6	
Naphthalene	**0.11**	ug/L	0.047	0.0048	1	06/21/10 08:00	06/21/10 18:31	91-20-3	B
Phenanthrene	**0.056**	ug/L	0.047	0.0081	1	06/21/10 08:00	06/21/10 18:31	85-01-8	
Pyrene	**0.32**	ug/L	0.047	0.0047	1	06/21/10 08:00	06/21/10 18:31	129-00-0	B
2-Fluorobiphenyl (S)	50	%-	25-130		1	06/21/10 08:00	06/21/10 18:31	321-60-8	
Terphenyl-d14 (S)	89	%-	36-140		1	06/21/10 08:00	06/21/10 18:31	1718-51-0	
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.41**	ug/L	1.0	0.41	1		06/21/10 17:43	71-43-2	
Bromobenzene	**<0.82**	ug/L	1.0	0.82	1		06/21/10 17:43	108-86-1	
Bromochloromethane	**<0.97**	ug/L	1.0	0.97	1		06/21/10 17:43	74-97-5	
Bromodichloromethane	**<0.56**	ug/L	1.0	0.56	1		06/21/10 17:43	75-27-4	
Bromoform	**<0.94**	ug/L	1.0	0.94	1		06/21/10 17:43	75-25-2	
Bromomethane	**<0.91**	ug/L	1.0	0.91	1		06/21/10 17:43	74-83-9	
n-Butylbenzene	**<0.93**	ug/L	1.0	0.93	1		06/21/10 17:43	104-51-8	
sec-Butylbenzene	**<0.89**	ug/L	5.0	0.89	1		06/21/10 17:43	135-98-8	
tert-Butylbenzene	**<0.97**	ug/L	1.0	0.97	1		06/21/10 17:43	98-06-6	
Carbon tetrachloride	**<0.49**	ug/L	1.0	0.49	1		06/21/10 17:43	56-23-5	
Chlorobenzene	**<0.41**	ug/L	1.0	0.41	1		06/21/10 17:43	108-90-7	
Chloroethane	**<0.97**	ug/L	1.0	0.97	1		06/21/10 17:43	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		06/21/10 17:43	67-66-3	
Chloromethane	**<0.24**	ug/L	1.0	0.24	1		06/21/10 17:43	74-87-3	
2-Chlorotoluene	**<0.85**	ug/L	1.0	0.85	1		06/21/10 17:43	95-49-8	
4-Chlorotoluene	**<0.74**	ug/L	1.0	0.74	1		06/21/10 17:43	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/L	5.0	1.7	1		06/21/10 17:43	96-12-8	
Dibromochloromethane	**<0.81**	ug/L	1.0	0.81	1		06/21/10 17:43	124-48-1	
1,2-Dibromoethane (EDB)	**<0.56**	ug/L	1.0	0.56	1		06/21/10 17:43	106-93-4	
Dibromomethane	**<0.60**	ug/L	1.0	0.60	1		06/21/10 17:43	74-95-3	
1,2-Dichlorobenzene	**<0.83**	ug/L	1.0	0.83	1		06/21/10 17:43	95-50-1	

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ANALYTICAL RESULTS

Project: 0054263 FIRESTONE-MUSKEGO
Pace Project No.: 4033345

Sample: MW-5 **Lab ID: 4033345003** Collected: 06/16/10 14:20 Received: 06/17/10 13:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,3-Dichlorobenzene	**<0.87**	ug/L	1.0	0.87	1		06/21/10 17:43	541-73-1	
1,4-Dichlorobenzene	**<0.95**	ug/L	1.0	0.95	1		06/21/10 17:43	106-46-7	
Dichlorodifluoromethane	**<0.99**	ug/L	1.0	0.99	1		06/21/10 17:43	75-71-8	
1,1-Dichloroethane	**<0.75**	ug/L	1.0	0.75	1		06/21/10 17:43	75-34-3	
1,2-Dichloroethane	**<0.36**	ug/L	1.0	0.36	1		06/21/10 17:43	107-06-2	
1,1-Dichloroethene	**<0.57**	ug/L	1.0	0.57	1		06/21/10 17:43	75-35-4	
cis-1,2-Dichloroethene	**<0.83**	ug/L	1.0	0.83	1		06/21/10 17:43	156-59-2	
trans-1,2-Dichloroethene	**<0.89**	ug/L	1.0	0.89	1		06/21/10 17:43	156-60-5	
1,2-Dichloropropane	**<0.49**	ug/L	1.0	0.49	1		06/21/10 17:43	78-87-5	
1,3-Dichloropropane	**<0.61**	ug/L	1.0	0.61	1		06/21/10 17:43	142-28-9	
2,2-Dichloropropane	**<0.62**	ug/L	1.0	0.62	1		06/21/10 17:43	594-20-7	
1,1-Dichloropropene	**<0.75**	ug/L	1.0	0.75	1		06/21/10 17:43	563-58-6	
cis-1,3-Dichloropropene	**<0.20**	ug/L	1.0	0.20	1		06/21/10 17:43	10061-01-5	
trans-1,3-Dichloropropene	**<0.19**	ug/L	1.0	0.19	1		06/21/10 17:43	10061-02-6	
Diisopropyl ether	**<0.76**	ug/L	1.0	0.76	1		06/21/10 17:43	108-20-3	
Ethylbenzene	**<0.54**	ug/L	1.0	0.54	1		06/21/10 17:43	100-41-4	
Hexachloro-1,3-butadiene	**<0.67**	ug/L	5.0	0.67	1		06/21/10 17:43	87-68-3	
Isopropylbenzene (Cumene)	**<0.59**	ug/L	1.0	0.59	1		06/21/10 17:43	98-82-8	
p-Isopropyltoluene	**<0.67**	ug/L	1.0	0.67	1		06/21/10 17:43	99-87-6	
Methylene Chloride	**<0.43**	ug/L	1.0	0.43	1		06/21/10 17:43	75-09-2	
Methyl-tert-butyl ether	**<0.61**	ug/L	1.0	0.61	1		06/21/10 17:43	1634-04-4	
Naphthalene	**<0.89**	ug/L	5.0	0.89	1		06/21/10 17:43	91-20-3	
n-Propylbenzene	**<0.81**	ug/L	1.0	0.81	1		06/21/10 17:43	103-65-1	
Styrene	**<0.86**	ug/L	1.0	0.86	1		06/21/10 17:43	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.92**	ug/L	1.0	0.92	1		06/21/10 17:43	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.20**	ug/L	1.0	0.20	1		06/21/10 17:43	79-34-5	
Tetrachloroethene	**<0.45**	ug/L	1.0	0.45	1		06/21/10 17:43	127-18-4	
Toluene	**<0.67**	ug/L	1.0	0.67	1		06/21/10 17:43	108-88-3	
1,2,3-Trichlorobenzene	**<0.74**	ug/L	1.0	0.74	1		06/21/10 17:43	87-61-6	
1,2,4-Trichlorobenzene	**<0.97**	ug/L	1.0	0.97	1		06/21/10 17:43	120-82-1	
1,1,1-Trichloroethane	**<0.90**	ug/L	1.0	0.90	1		06/21/10 17:43	71-55-6	
1,1,2-Trichloroethane	**<0.42**	ug/L	1.0	0.42	1		06/21/10 17:43	79-00-5	
Trichloroethene	**<0.48**	ug/L	1.0	0.48	1		06/21/10 17:43	79-01-6	
Trichlorofluoromethane	**<0.79**	ug/L	1.0	0.79	1		06/21/10 17:43	75-69-4	
1,2,3-Trichloropropane	**<0.99**	ug/L	1.0	0.99	1		06/21/10 17:43	96-18-4	
1,2,4-Trimethylbenzene	**<0.97**	ug/L	1.0	0.97	1		06/21/10 17:43	95-63-6	
1,3,5-Trimethylbenzene	**<0.83**	ug/L	1.0	0.83	1		06/21/10 17:43	108-67-8	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		06/21/10 17:43	75-01-4	
m&p-Xylene	**<1.8**	ug/L	2.0	1.8	1		06/21/10 17:43	179601-23-1	
o-Xylene	**<0.83**	ug/L	1.0	0.83	1		06/21/10 17:43	95-47-6	
4-Bromofluorobenzene (S)	91	%-	69-130		1		06/21/10 17:43	460-00-4	
Dibromofluoromethane (S)	98	%-	70-134		1		06/21/10 17:43	1868-53-7	
Toluene-d8 (S)	99	%-	70-130		1		06/21/10 17:43	2037-26-5	

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ANALYTICAL RESULTS

Project: 0054263 FIRESTONE-MUSKEGO
Pace Project No.: 4033345

Sample: MW-11 **Lab ID: 4033345004** Collected: 06/16/10 11:40 Received: 06/17/10 13:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Lead, Dissolved	**<1.7**	ug/L	7.5	1.7	1		06/21/10 15:29	7439-92-1	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Acenaphthene	**<0.0045**	ug/L	0.047	0.0045	1	06/21/10 08:00	06/21/10 18:48	83-32-9	
Acenaphthylene	**0.0042J**	ug/L	0.047	0.0036	1	06/21/10 08:00	06/21/10 18:48	208-96-8	
Anthracene	**0.0093J**	ug/L	0.047	0.0057	1	06/21/10 08:00	06/21/10 18:48	120-12-7	
Benzo(a)anthracene	**0.023J**	ug/L	0.047	0.0036	1	06/21/10 08:00	06/21/10 18:48	56-55-3	B
Benzo(a)pyrene	**0.030J**	ug/L	0.047	0.0029	1	06/21/10 08:00	06/21/10 18:48	50-32-8	B
Benzo(b)fluoranthene	**0.037J**	ug/L	0.047	0.0034	1	06/21/10 08:00	06/21/10 18:48	205-99-2	B
Benzo(g,h,i)perylene	**0.030J**	ug/L	0.047	0.0048	1	06/21/10 08:00	06/21/10 18:48	191-24-2	B
Benzo(k)fluoranthene	**0.026J**	ug/L	0.047	0.0044	1	06/21/10 08:00	06/21/10 18:48	207-08-9	B
Chrysene	**0.047**	ug/L	0.047	0.0035	1	06/21/10 08:00	06/21/10 18:48	218-01-9	B
Dibenz(a,h)anthracene	**0.0079J**	ug/L	0.047	0.0032	1	06/21/10 08:00	06/21/10 18:48	53-70-3	B
Fluoranthene	**0.072**	ug/L	0.047	0.0044	1	06/21/10 08:00	06/21/10 18:48	206-44-0	B
Fluorene	**0.0094J**	ug/L	0.047	0.0048	1	06/21/10 08:00	06/21/10 18:48	86-73-7	
Indeno(1,2,3-cd)pyrene	**0.021J**	ug/L	0.047	0.0047	1	06/21/10 08:00	06/21/10 18:48	193-39-5	B
1-Methylnaphthalene	**0.016J**	ug/L	0.047	0.0050	1	06/21/10 08:00	06/21/10 18:48	90-12-0	
2-Methylnaphthalene	**0.032J**	ug/L	0.047	0.0039	1	06/21/10 08:00	06/21/10 18:48	91-57-6	
Naphthalene	**0.028J**	ug/L	0.047	0.0048	1	06/21/10 08:00	06/21/10 18:48	91-20-3	B
Phenanthrene	**0.045J**	ug/L	0.047	0.0081	1	06/21/10 08:00	06/21/10 18:48	85-01-8	
Pyrene	**0.15**	ug/L	0.047	0.0047	1	06/21/10 08:00	06/21/10 18:48	129-00-0	B
2-Fluorobiphenyl (S)	74	%-	25-130		1	06/21/10 08:00	06/21/10 18:48	321-60-8	
Terphenyl-d14 (S)	91	%-	36-140		1	06/21/10 08:00	06/21/10 18:48	1718-51-0	
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.41**	ug/L	1.0	0.41	1		06/21/10 18:05	71-43-2	
Bromobenzene	**<0.82**	ug/L	1.0	0.82	1		06/21/10 18:05	108-86-1	
Bromochloromethane	**<0.97**	ug/L	1.0	0.97	1		06/21/10 18:05	74-97-5	
Bromodichloromethane	**<0.56**	ug/L	1.0	0.56	1		06/21/10 18:05	75-27-4	
Bromoform	**<0.94**	ug/L	1.0	0.94	1		06/21/10 18:05	75-25-2	
Bromomethane	**<0.91**	ug/L	1.0	0.91	1		06/21/10 18:05	74-83-9	
n-Butylbenzene	**<0.93**	ug/L	1.0	0.93	1		06/21/10 18:05	104-51-8	
sec-Butylbenzene	**<0.89**	ug/L	5.0	0.89	1		06/21/10 18:05	135-98-8	
tert-Butylbenzene	**<0.97**	ug/L	1.0	0.97	1		06/21/10 18:05	98-06-6	
Carbon tetrachloride	**<0.49**	ug/L	1.0	0.49	1		06/21/10 18:05	56-23-5	
Chlorobenzene	**<0.41**	ug/L	1.0	0.41	1		06/21/10 18:05	108-90-7	
Chloroethane	**<0.97**	ug/L	1.0	0.97	1		06/21/10 18:05	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		06/21/10 18:05	67-66-3	
Chloromethane	**<0.24**	ug/L	1.0	0.24	1		06/21/10 18:05	74-87-3	
2-Chlorotoluene	**<0.85**	ug/L	1.0	0.85	1		06/21/10 18:05	95-49-8	
4-Chlorotoluene	**<0.74**	ug/L	1.0	0.74	1		06/21/10 18:05	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/L	5.0	1.7	1		06/21/10 18:05	96-12-8	
Dibromochloromethane	**<0.81**	ug/L	1.0	0.81	1		06/21/10 18:05	124-48-1	
1,2-Dibromoethane (EDB)	**<0.56**	ug/L	1.0	0.56	1		06/21/10 18:05	106-93-4	
Dibromomethane	**<0.60**	ug/L	1.0	0.60	1		06/21/10 18:05	74-95-3	
1,2-Dichlorobenzene	**<0.83**	ug/L	1.0	0.83	1		06/21/10 18:05	95-50-1	

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ANALYTICAL RESULTS

Project: 0054263 FIRESTONE-MUSKEGO
Pace Project No.: 4033345

Sample: MW-11 **Lab ID: 4033345004** Collected: 06/16/10 11:40 Received: 06/17/10 13:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,3-Dichlorobenzene	**<0.87**	ug/L	1.0	0.87	1		06/21/10 18:05	541-73-1	
1,4-Dichlorobenzene	**<0.95**	ug/L	1.0	0.95	1		06/21/10 18:05	106-46-7	
Dichlorodifluoromethane	**<0.99**	ug/L	1.0	0.99	1		06/21/10 18:05	75-71-8	
1,1-Dichloroethane	**<0.75**	ug/L	1.0	0.75	1		06/21/10 18:05	75-34-3	
1,2-Dichloroethane	**<0.36**	ug/L	1.0	0.36	1		06/21/10 18:05	107-06-2	
1,1-Dichloroethene	**<0.57**	ug/L	1.0	0.57	1		06/21/10 18:05	75-35-4	
cis-1,2-Dichloroethene	**<0.83**	ug/L	1.0	0.83	1		06/21/10 18:05	156-59-2	
trans-1,2-Dichloroethene	**<0.89**	ug/L	1.0	0.89	1		06/21/10 18:05	156-60-5	
1,2-Dichloropropane	**<0.49**	ug/L	1.0	0.49	1		06/21/10 18:05	78-87-5	
1,3-Dichloropropane	**<0.61**	ug/L	1.0	0.61	1		06/21/10 18:05	142-28-9	
2,2-Dichloropropane	**<0.62**	ug/L	1.0	0.62	1		06/21/10 18:05	594-20-7	
1,1-Dichloropropene	**<0.75**	ug/L	1.0	0.75	1		06/21/10 18:05	563-58-6	
cis-1,3-Dichloropropene	**<0.20**	ug/L	1.0	0.20	1		06/21/10 18:05	10061-01-5	
trans-1,3-Dichloropropene	**<0.19**	ug/L	1.0	0.19	1		06/21/10 18:05	10061-02-6	
Diisopropyl ether	**<0.76**	ug/L	1.0	0.76	1		06/21/10 18:05	108-20-3	
Ethylbenzene	**<0.54**	ug/L	1.0	0.54	1		06/21/10 18:05	100-41-4	
Hexachloro-1,3-butadiene	**<0.67**	ug/L	5.0	0.67	1		06/21/10 18:05	87-68-3	
Isopropylbenzene (Cumene)	**<0.59**	ug/L	1.0	0.59	1		06/21/10 18:05	98-82-8	
p-Isopropyltoluene	**<0.67**	ug/L	1.0	0.67	1		06/21/10 18:05	99-87-6	
Methylene Chloride	**<0.43**	ug/L	1.0	0.43	1		06/21/10 18:05	75-09-2	
Methyl-tert-butyl ether	**<0.61**	ug/L	1.0	0.61	1		06/21/10 18:05	1634-04-4	
Naphthalene	**<0.89**	ug/L	5.0	0.89	1		06/21/10 18:05	91-20-3	
n-Propylbenzene	**<0.81**	ug/L	1.0	0.81	1		06/21/10 18:05	103-65-1	
Styrene	**<0.86**	ug/L	1.0	0.86	1		06/21/10 18:05	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.92**	ug/L	1.0	0.92	1		06/21/10 18:05	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.20**	ug/L	1.0	0.20	1		06/21/10 18:05	79-34-5	
Tetrachloroethene	**<0.45**	ug/L	1.0	0.45	1		06/21/10 18:05	127-18-4	
Toluene	**<0.67**	ug/L	1.0	0.67	1		06/21/10 18:05	108-88-3	
1,2,3-Trichlorobenzene	**<0.74**	ug/L	1.0	0.74	1		06/21/10 18:05	87-61-6	
1,2,4-Trichlorobenzene	**<0.97**	ug/L	1.0	0.97	1		06/21/10 18:05	120-82-1	
1,1,1-Trichloroethane	**<0.90**	ug/L	1.0	0.90	1		06/21/10 18:05	71-55-6	
1,1,2-Trichloroethane	**<0.42**	ug/L	1.0	0.42	1		06/21/10 18:05	79-00-5	
Trichloroethene	**<0.48**	ug/L	1.0	0.48	1		06/21/10 18:05	79-01-6	
Trichlorofluoromethane	**<0.79**	ug/L	1.0	0.79	1		06/21/10 18:05	75-69-4	
1,2,3-Trichloropropane	**<0.99**	ug/L	1.0	0.99	1		06/21/10 18:05	96-18-4	
1,2,4-Trimethylbenzene	**<0.97**	ug/L	1.0	0.97	1		06/21/10 18:05	95-63-6	
1,3,5-Trimethylbenzene	**<0.83**	ug/L	1.0	0.83	1		06/21/10 18:05	108-67-8	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		06/21/10 18:05	75-01-4	
m&p-Xylene	**<1.8**	ug/L	2.0	1.8	1		06/21/10 18:05	179601-23-1	
o-Xylene	**<0.83**	ug/L	1.0	0.83	1		06/21/10 18:05	95-47-6	
4-Bromofluorobenzene (S)	93	%-	69-130		1		06/21/10 18:05	460-00-4	
Dibromofluoromethane (S)	99	%-	70-134		1		06/21/10 18:05	1868-53-7	
Toluene-d8 (S)	99	%-	70-130		1		06/21/10 18:05	2037-26-5	

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ANALYTICAL RESULTS

Project: 0054263 FIRESTONE-MUSKEGO
Pace Project No.: 4033345

Sample: MW-12 **Lab ID: 4033345005** Collected: 06/16/10 12:40 Received: 06/17/10 13:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Lead, Dissolved	**2.4J**	ug/L	7.5	1.7	1		06/21/10 15:33	7439-92-1	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Acenaphthene	**0.0081J**	ug/L	0.047	0.0045	1	06/21/10 08:00	06/21/10 19:06	83-32-9	
Acenaphthylene	**0.0061J**	ug/L	0.047	0.0036	1	06/21/10 08:00	06/21/10 19:06	208-96-8	
Anthracene	**0.019J**	ug/L	0.047	0.0057	1	06/21/10 08:00	06/21/10 19:06	120-12-7	
Benzo(a)anthracene	**0.015J**	ug/L	0.047	0.0036	1	06/21/10 08:00	06/21/10 19:06	56-55-3	B
Benzo(a)pyrene	**0.011J**	ug/L	0.047	0.0029	1	06/21/10 08:00	06/21/10 19:06	50-32-8	
Benzo(b)fluoranthene	**0.015J**	ug/L	0.047	0.0034	1	06/21/10 08:00	06/21/10 19:06	205-99-2	B
Benzo(g,h,i)perylene	**0.039J**	ug/L	0.047	0.0048	1	06/21/10 08:00	06/21/10 19:06	191-24-2	
Benzo(k)fluoranthene	**0.0076J**	ug/L	0.047	0.0044	1	06/21/10 08:00	06/21/10 19:06	207-08-9	B
Chrysene	**0.078**	ug/L	0.047	0.0035	1	06/21/10 08:00	06/21/10 19:06	218-01-9	B
Dibenz(a,h)anthracene	**0.0046J**	ug/L	0.047	0.0032	1	06/21/10 08:00	06/21/10 19:06	53-70-3	
Fluoranthene	**0.029J**	ug/L	0.047	0.0044	1	06/21/10 08:00	06/21/10 19:06	206-44-0	B
Fluorene	**0.018J**	ug/L	0.047	0.0048	1	06/21/10 08:00	06/21/10 19:06	86-73-7	
Indeno(1,2,3-cd)pyrene	**0.0065J**	ug/L	0.047	0.0047	1	06/21/10 08:00	06/21/10 19:06	193-39-5	B
1-Methylnaphthalene	**0.11**	ug/L	0.047	0.0050	1	06/21/10 08:00	06/21/10 19:06	90-12-0	
2-Methylnaphthalene	**0.17**	ug/L	0.047	0.0039	1	06/21/10 08:00	06/21/10 19:06	91-57-6	
Naphthalene	**0.078**	ug/L	0.047	0.0048	1	06/21/10 08:00	06/21/10 19:06	91-20-3	B
Phenanthrene	**0.12**	ug/L	0.047	0.0081	1	06/21/10 08:00	06/21/10 19:06	85-01-8	
Pyrene	**0.14**	ug/L	0.047	0.0047	1	06/21/10 08:00	06/21/10 19:06	129-00-0	B
2-Fluorobiphenyl (S)	54	%-	25-130		1	06/21/10 08:00	06/21/10 19:06	321-60-8	
Terphenyl-d14 (S)	94	%-	36-140		1	06/21/10 08:00	06/21/10 19:06	1718-51-0	
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.41**	ug/L	1.0	0.41	1		06/22/10 07:31	71-43-2	
Bromobenzene	**<0.82**	ug/L	1.0	0.82	1		06/22/10 07:31	108-86-1	
Bromochloromethane	**<0.97**	ug/L	1.0	0.97	1		06/22/10 07:31	74-97-5	
Bromodichloromethane	**<0.56**	ug/L	1.0	0.56	1		06/22/10 07:31	75-27-4	
Bromoform	**<0.94**	ug/L	1.0	0.94	1		06/22/10 07:31	75-25-2	
Bromomethane	**<0.91**	ug/L	1.0	0.91	1		06/22/10 07:31	74-83-9	
n-Butylbenzene	**<0.93**	ug/L	1.0	0.93	1		06/22/10 07:31	104-51-8	
sec-Butylbenzene	**<0.89**	ug/L	5.0	0.89	1		06/22/10 07:31	135-98-8	
tert-Butylbenzene	**<0.97**	ug/L	1.0	0.97	1		06/22/10 07:31	98-06-6	
Carbon tetrachloride	**<0.49**	ug/L	1.0	0.49	1		06/22/10 07:31	56-23-5	
Chlorobenzene	**<0.41**	ug/L	1.0	0.41	1		06/22/10 07:31	108-90-7	
Chloroethane	**<0.97**	ug/L	1.0	0.97	1		06/22/10 07:31	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		06/22/10 07:31	67-66-3	
Chloromethane	**<0.24**	ug/L	1.0	0.24	1		06/22/10 07:31	74-87-3	
2-Chlorotoluene	**<0.85**	ug/L	1.0	0.85	1		06/22/10 07:31	95-49-8	
4-Chlorotoluene	**<0.74**	ug/L	1.0	0.74	1		06/22/10 07:31	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/L	5.0	1.7	1		06/22/10 07:31	96-12-8	
Dibromochloromethane	**<0.81**	ug/L	1.0	0.81	1		06/22/10 07:31	124-48-1	
1,2-Dibromoethane (EDB)	**<0.56**	ug/L	1.0	0.56	1		06/22/10 07:31	106-93-4	
Dibromomethane	**<0.60**	ug/L	1.0	0.60	1		06/22/10 07:31	74-95-3	
1,2-Dichlorobenzene	**<0.83**	ug/L	1.0	0.83	1		06/22/10 07:31	95-50-1	

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ANALYTICAL RESULTS

Project: 0054263 FIRESTONE-MUSKEGO
Pace Project No.: 4033345

Sample: MW-12 **Lab ID: 4033345005** Collected: 06/16/10 12:40 Received: 06/17/10 13:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,3-Dichlorobenzene	**<0.87**	ug/L	1.0	0.87	1		06/22/10 07:31	541-73-1	
1,4-Dichlorobenzene	**<0.95**	ug/L	1.0	0.95	1		06/22/10 07:31	106-46-7	
Dichlorodifluoromethane	**<0.99**	ug/L	1.0	0.99	1		06/22/10 07:31	75-71-8	
1,1-Dichloroethane	**<0.75**	ug/L	1.0	0.75	1		06/22/10 07:31	75-34-3	
1,2-Dichloroethane	**<0.36**	ug/L	1.0	0.36	1		06/22/10 07:31	107-06-2	
1,1-Dichloroethene	**<0.57**	ug/L	1.0	0.57	1		06/22/10 07:31	75-35-4	
cis-1,2-Dichloroethene	**<0.83**	ug/L	1.0	0.83	1		06/22/10 07:31	156-59-2	
trans-1,2-Dichloroethene	**<0.89**	ug/L	1.0	0.89	1		06/22/10 07:31	156-60-5	
1,2-Dichloropropane	**<0.49**	ug/L	1.0	0.49	1		06/22/10 07:31	78-87-5	
1,3-Dichloropropane	**<0.61**	ug/L	1.0	0.61	1		06/22/10 07:31	142-28-9	
2,2-Dichloropropane	**<0.62**	ug/L	1.0	0.62	1		06/22/10 07:31	594-20-7	
1,1-Dichloropropene	**<0.75**	ug/L	1.0	0.75	1		06/22/10 07:31	563-58-6	
cis-1,3-Dichloropropene	**<0.20**	ug/L	1.0	0.20	1		06/22/10 07:31	10061-01-5	
trans-1,3-Dichloropropene	**<0.19**	ug/L	1.0	0.19	1		06/22/10 07:31	10061-02-6	
Diisopropyl ether	**<0.76**	ug/L	1.0	0.76	1		06/22/10 07:31	108-20-3	
Ethylbenzene	**<0.54**	ug/L	1.0	0.54	1		06/22/10 07:31	100-41-4	
Hexachloro-1,3-butadiene	**<0.67**	ug/L	5.0	0.67	1		06/22/10 07:31	87-68-3	
Isopropylbenzene (Cumene)	**<0.59**	ug/L	1.0	0.59	1		06/22/10 07:31	98-82-8	
p-Isopropyltoluene	**<0.67**	ug/L	1.0	0.67	1		06/22/10 07:31	99-87-6	
Methylene Chloride	**<0.43**	ug/L	1.0	0.43	1		06/22/10 07:31	75-09-2	
Methyl-tert-butyl ether	**<0.61**	ug/L	1.0	0.61	1		06/22/10 07:31	1634-04-4	
Naphthalene	**<0.89**	ug/L	5.0	0.89	1		06/22/10 07:31	91-20-3	
n-Propylbenzene	**<0.81**	ug/L	1.0	0.81	1		06/22/10 07:31	103-65-1	
Styrene	**<0.86**	ug/L	1.0	0.86	1		06/22/10 07:31	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.92**	ug/L	1.0	0.92	1		06/22/10 07:31	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.20**	ug/L	1.0	0.20	1		06/22/10 07:31	79-34-5	
Tetrachloroethene	**<0.45**	ug/L	1.0	0.45	1		06/22/10 07:31	127-18-4	
Toluene	**<0.67**	ug/L	1.0	0.67	1		06/22/10 07:31	108-88-3	
1,2,3-Trichlorobenzene	**<0.74**	ug/L	1.0	0.74	1		06/22/10 07:31	87-61-6	
1,2,4-Trichlorobenzene	**<0.97**	ug/L	1.0	0.97	1		06/22/10 07:31	120-82-1	
1,1,1-Trichloroethane	**<0.90**	ug/L	1.0	0.90	1		06/22/10 07:31	71-55-6	
1,1,2-Trichloroethane	**<0.42**	ug/L	1.0	0.42	1		06/22/10 07:31	79-00-5	
Trichloroethene	**<0.48**	ug/L	1.0	0.48	1		06/22/10 07:31	79-01-6	
Trichlorofluoromethane	**<0.79**	ug/L	1.0	0.79	1		06/22/10 07:31	75-69-4	
1,2,3-Trichloropropane	**<0.99**	ug/L	1.0	0.99	1		06/22/10 07:31	96-18-4	
1,2,4-Trimethylbenzene	**<0.97**	ug/L	1.0	0.97	1		06/22/10 07:31	95-63-6	
1,3,5-Trimethylbenzene	**<0.83**	ug/L	1.0	0.83	1		06/22/10 07:31	108-67-8	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		06/22/10 07:31	75-01-4	
m&p-Xylene	**<1.8**	ug/L	2.0	1.8	1		06/22/10 07:31	179601-23-1	
o-Xylene	**<0.83**	ug/L	1.0	0.83	1		06/22/10 07:31	95-47-6	
4-Bromofluorobenzene (S)	92	%-	69-130		1		06/22/10 07:31	460-00-4	
Dibromofluoromethane (S)	98	%-	70-134		1		06/22/10 07:31	1868-53-7	
Toluene-d8 (S)	100	%-	70-130		1		06/22/10 07:31	2037-26-5	

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QUALITY CONTROL DATA

Project: 0054263 FIRESTONE-MUSKEGO
Pace Project No.: 4033345

QC Batch: ICP/3563 — Analysis Method: EPA 6010
QC Batch Method: EPA 6010 — Analysis Description: ICP Metals, Trace, Dissolved
Associated Lab Samples: 4033345001, 4033345002, 4033345003, 4033345004, 4033345005

METHOD BLANK: 317232 — Matrix: Water
Associated Lab Samples: 4033345001, 4033345002, 4033345003, 4033345004, 4033345005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead, Dissolved	ug/L	<1.7	7.5	06/21/10 13:28	

LABORATORY CONTROL SAMPLE: 317233

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead, Dissolved	ug/L	500	502	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 317234 317235

Parameter	Units	4033402001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead, Dissolved	ug/L	<1.7	500	500	485	480	97	96	75-125	1	20	

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QUALITY CONTROL DATA

Project: 0054263 FIRESTONE-MUSKEGO
Pace Project No.: 4033345

QC Batch: OEXT/7552
QC Batch Method: EPA 3510
Analysis Method: EPA 8270 by SIM
Analysis Description: 8270 Water PAH by SIM MSSV
Associated Lab Samples: 4033345001

METHOD BLANK: 315828
Matrix: Water
Associated Lab Samples: 4033345001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/L	0.031J	0.050	06/18/10 14:36	
2-Methylnaphthalene	ug/L	0.027J	0.050	06/18/10 14:36	
Acenaphthene	ug/L	0.0060J	0.050	06/18/10 14:36	
Acenaphthylene	ug/L	<0.0038	0.050	06/18/10 14:36	
Anthracene	ug/L	<0.0061	0.050	06/18/10 14:36	
Benzo(a)anthracene	ug/L	<0.0038	0.050	06/18/10 14:36	
Benzo(a)pyrene	ug/L	<0.0030	0.050	06/18/10 14:36	
Benzo(b)fluoranthene	ug/L	<0.0036	0.050	06/18/10 14:36	
Benzo(g,h,i)perylene	ug/L	<0.0051	0.050	06/18/10 14:36	
Benzo(k)fluoranthene	ug/L	<0.0046	0.050	06/18/10 14:36	
Chrysene	ug/L	<0.0037	0.050	06/18/10 14:36	
Dibenz(a,h)anthracene	ug/L	<0.0034	0.050	06/18/10 14:36	
Fluoranthene	ug/L	<0.0047	0.050	06/18/10 14:36	
Fluorene	ug/L	<0.0051	0.050	06/18/10 14:36	
Indeno(1,2,3-cd)pyrene	ug/L	<0.0050	0.050	06/18/10 14:36	
Naphthalene	ug/L	0.26	0.050	06/18/10 14:36	
Phenanthrene	ug/L	<0.0086	0.050	06/18/10 14:36	
Pyrene	ug/L	<0.0050	0.050	06/18/10 14:36	
2-Fluorobiphenyl (S)	%-	50	25-130	06/18/10 14:36	
Terphenyl-d14 (S)	%-	85	36-140	06/18/10 14:36	

LABORATORY CONTROL SAMPLE: 315829

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/L	.2	0.095	47	33-130	
2-Methylnaphthalene	ug/L	.2	0.096	48	29-130	
Acenaphthene	ug/L	.2	0.095	47	43-130	
Acenaphthylene	ug/L	.2	0.088	44	33-130	
Anthracene	ug/L	.2	0.083	42	33-130	
Benzo(a)anthracene	ug/L	.2	0.16	80	41-130	
Benzo(a)pyrene	ug/L	.2	0.15	73	59-130	
Benzo(b)fluoranthene	ug/L	.2	0.17	87	53-130	
Benzo(g,h,i)perylene	ug/L	.2	0.17	87	55-130	
Benzo(k)fluoranthene	ug/L	.2	0.18	88	64-133	
Chrysene	ug/L	.2	0.16	80	62-130	
Dibenz(a,h)anthracene	ug/L	.2	0.17	87	37-130	
Fluoranthene	ug/L	.2	0.12	60	48-130	
Fluorene	ug/L	.2	0.094	47	42-130	
Indeno(1,2,3-cd)pyrene	ug/L	.2	0.17	87	46-130	
Naphthalene	ug/L	.2	0.10	52	33-130	
Phenanthrene	ug/L	.2	0.10	51	36-130	

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QUALITY CONTROL DATA

Project: 0054263 FIRESTONE-MUSKEGO
Pace Project No.: 4033345

LABORATORY CONTROL SAMPLE: 315829

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Pyrene	ug/L	.2	0.12	60	51-130	
2-Fluorobiphenyl (S)	%-			47	25-130	
Terphenyl-d14 (S)	%-			80	36-140	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 315830 315831

Parameter	Units	4033350011 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1-Methylnaphthalene	ug/L	0.0068J	.4	.4	0.16	0.19	40	45	10-130	13	45	
2-Methylnaphthalene	ug/L	0.0079J	.4	.4	0.17	0.19	40	45	10-130	13	44	
Acenaphthene	ug/L	0.014J	.4	.4	0.17	0.20	39	47	25-130	16	41	
Acenaphthylene	ug/L	0.0038J	.4	.4	0.16	0.19	40	46	22-130	14	40	
Anthracene	ug/L	0.021J	.4	.4	0.21	0.23	48	52	22-130	9	36	
Benzo(a)anthracene	ug/L	0.023J	.4	.4	0.40	0.34	93	78	52-130	16	20	
Benzo(a)pyrene	ug/L	0.030J	.4	.4	0.37	0.31	86	70	52-130	19	20	
Benzo(b)fluoranthene	ug/L	0.046J	.4	.4	0.43	0.37	97	81	51-130	15	20	
Benzo(g,h,i)perylene	ug/L	0.031J	.4	.4	0.40	0.34	93	78	46-130	16	20	
Benzo(k)fluoranthene	ug/L	0.036J	.4	.4	0.42	0.35	96	79	55-130	18	22	
Chrysene	ug/L	0.047J	.4	.4	0.43	0.36	95	78	49-130	17	20	
Dibenz(a,h)anthracene	ug/L	0.0074J	.4	.4	0.35	0.32	87	78	43-130	10	20	
Fluoranthene	ug/L	0.11	.4	.4	0.44	0.38	83	68	41-130	15	28	
Fluorene	ug/L	0.010J	.4	.4	0.18	0.21	43	50	21-130	15	32	
Indeno(1,2,3-cd)pyrene	ug/L	0.025J	.4	.4	0.38	0.34	90	78	42-130	13	20	
Naphthalene	ug/L	0.028J	.4	.4	0.21	0.22	45	47	19-130	5	42	
Phenanthrene	ug/L	0.038J	.4	.4	0.24	0.26	50	55	22-130	8	38	
Pyrene	ug/L	0.073	.4	.4	0.40	0.35	82	70	35-130	13	21	
2-Fluorobiphenyl (S)	%-						39	45	25-130			
Terphenyl-d14 (S)	%-						98	89	36-140			

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QUALITY CONTROL DATA

Project: 0054263 FIRESTONE-MUSKEGO
Pace Project No.: 4033345

QC Batch: OEXT/7561 | Analysis Method: EPA 8270 by SIM
QC Batch Method: EPA 3510 | Analysis Description: 8270 Water PAH by SIM MSSV
Associated Lab Samples: 4033345002, 4033345003, 4033345004

METHOD BLANK: 317064 | Matrix: Water
Associated Lab Samples: 4033345002, 4033345003, 4033345004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/L	<0.0053	0.050	06/21/10 12:20	
2-Methylnaphthalene	ug/L	<0.0041	0.050	06/21/10 12:20	
Acenaphthene	ug/L	<0.0048	0.050	06/21/10 12:20	
Acenaphthylene	ug/L	<0.0038	0.050	06/21/10 12:20	
Anthracene	ug/L	<0.0061	0.050	06/21/10 12:20	
Benzo(a)anthracene	ug/L	0.0065J	0.050	06/21/10 12:20	
Benzo(a)pyrene	ug/L	0.0034J	0.050	06/21/10 12:20	
Benzo(b)fluoranthene	ug/L	0.015J	0.050	06/21/10 12:20	
Benzo(g,h,i)perylene	ug/L	0.0071J	0.050	06/21/10 12:20	
Benzo(k)fluoranthene	ug/L	0.0098J	0.050	06/21/10 12:20	
Chrysene	ug/L	0.012J	0.050	06/21/10 12:20	
Dibenz(a,h)anthracene	ug/L	0.0060J	0.050	06/21/10 12:20	
Fluoranthene	ug/L	0.010J	0.050	06/21/10 12:20	
Fluorene	ug/L	<0.0051	0.050	06/21/10 12:20	
Indeno(1,2,3-cd)pyrene	ug/L	0.0079J	0.050	06/21/10 12:20	
Naphthalene	ug/L	0.015J	0.050	06/21/10 12:20	
Phenanthrene	ug/L	<0.0086	0.050	06/21/10 12:20	
Pyrene	ug/L	0.0085J	0.050	06/21/10 12:20	
2-Fluorobiphenyl (S)	%-	49	25-130	06/21/10 12:20	
Terphenyl-d14 (S)	%-	91	36-140	06/21/10 12:20	

LABORATORY CONTROL SAMPLE: 317065

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/L	.2	0.11	57	33-130	
2-Methylnaphthalene	ug/L	.2	0.11	57	29-130	
Acenaphthene	ug/L	.2	0.12	58	43-130	
Acenaphthylene	ug/L	.2	0.11	57	33-130	
Anthracene	ug/L	.2	0.12	60	33-130	
Benzo(a)anthracene	ug/L	.2	0.20	99	41-130	
Benzo(a)pyrene	ug/L	.2	0.19	97	59-130	
Benzo(b)fluoranthene	ug/L	.2	0.21	107	53-130	
Benzo(g,h,i)perylene	ug/L	.2	0.20	98	55-130	
Benzo(k)fluoranthene	ug/L	.2	0.20	99	64-133	
Chrysene	ug/L	.2	0.21	106	62-130	
Dibenz(a,h)anthracene	ug/L	.2	0.19	94	37-130	
Fluoranthene	ug/L	.2	0.16	78	48-130	
Fluorene	ug/L	.2	0.12	60	42-130	
Indeno(1,2,3-cd)pyrene	ug/L	.2	0.19	97	46-130	
Naphthalene	ug/L	.2	0.12	62	33-130	
Phenanthrene	ug/L	.2	0.14	68	36-130	

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QUALITY CONTROL DATA

Project: 0054263 FIRESTONE-MUSKEGO
Pace Project No.: 4033345

LABORATORY CONTROL SAMPLE: 317065

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Pyrene	ug/L	.2	0.15	73	51-130	
2-Fluorobiphenyl (S)	%-			60	25-130	
Terphenyl-d14 (S)	%-			96	36-140	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 317066 317067

Parameter	Units	4033350023 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1-Methylnaphthalene	ug/L	<0.0053	.4	.4	0.16	0.17	38	41	10-130	9	45	
2-Methylnaphthalene	ug/L	0.0068J	.4	.4	0.16	0.17	38	41	10-130	9	44	
Acenaphthene	ug/L	<0.0048	.4	.4	0.17	0.18	43	45	25-130	5	41	
Acenaphthylene	ug/L	<0.0038	.4	.4	0.17	0.18	44	45	22-130	4	40	
Anthracene	ug/L	0.0077J	.4	.4	0.21	0.23	49	57	22-130	13	36	
Benzo(a)anthracene	ug/L	0.024J	.4	.4	0.42	0.40	100	95	52-130	5	20	
Benzo(a)pyrene	ug/L	0.030J	.4	.4	0.42	0.44	98	101	52-130	3	20	
Benzo(b)fluoranthene	ug/L	0.044J	.4	.4	0.48	0.48	108	109	51-130	1	20	
Benzo(g,h,i)perylene	ug/L	0.030J	.4	.4	0.41	0.41	94	95	46-130	.7	20	
Benzo(k)fluoranthene	ug/L	0.033J	.4	.4	0.42	0.44	98	101	55-130	3	22	
Chrysene	ug/L	0.047J	.4	.4	0.43	0.46	95	104	49-130	9	20	
Dibenz(a,h)anthracene	ug/L	0.011J	.4	.4	0.35	0.36	84	88	43-130	4	20	
Fluoranthene	ug/L	0.080	.4	.4	0.39	0.44	78	91	41-130	13	28	
Fluorene	ug/L	<0.0051	.4	.4	0.19	0.20	46	48	21-130	4	32	
Indeno(1,2,3-cd)pyrene	ug/L	0.024J	.4	.4	0.39	0.39	91	92	42-130	1	20	
Naphthalene	ug/L	0.028J	.4	.4	0.17	0.20	36	44	19-130	15	42	
Phenanthrene	ug/L	0.020J	.4	.4	0.22	0.25	51	58	22-130	12	38	
Pyrene	ug/L	0.067	.4	.4	0.37	0.40	76	84	35-130	8	21	
2-Fluorobiphenyl (S)	%-						43	45	25-130			
Terphenyl-d14 (S)	%-						95	107	36-140			

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QUALITY CONTROL DATA

Project: 0054263 FIRESTONE-MUSKEGO
Pace Project No.: 4033345

QC Batch: OEXT/7562
QC Batch Method: EPA 3510
Analysis Method: EPA 8270 by SIM
Analysis Description: 8270 Water PAH by SIM MSSV
Associated Lab Samples: 4033345005

METHOD BLANK: 317073
Matrix: Water
Associated Lab Samples: 4033345005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/L	<0.0053	0.050	06/21/10 13:48	
2-Methylnaphthalene	ug/L	<0.0041	0.050	06/21/10 13:48	
Acenaphthene	ug/L	<0.0048	0.050	06/21/10 13:48	
Acenaphthylene	ug/L	<0.0038	0.050	06/21/10 13:48	
Anthracene	ug/L	<0.0061	0.050	06/21/10 13:48	
Benzo(a)anthracene	ug/L	0.0067J	0.050	06/21/10 13:48	
Benzo(a)pyrene	ug/L	<0.0030	0.050	06/21/10 13:48	
Benzo(b)fluoranthene	ug/L	0.014J	0.050	06/21/10 13:48	
Benzo(g,h,i)perylene	ug/L	<0.0051	0.050	06/21/10 13:48	
Benzo(k)fluoranthene	ug/L	0.0078J	0.050	06/21/10 13:48	
Chrysene	ug/L	0.0072J	0.050	06/21/10 13:48	
Dibenz(a,h)anthracene	ug/L	<0.0034	0.050	06/21/10 13:48	
Fluoranthene	ug/L	0.0094J	0.050	06/21/10 13:48	
Fluorene	ug/L	<0.0051	0.050	06/21/10 13:48	
Indeno(1,2,3-cd)pyrene	ug/L	0.0066J	0.050	06/21/10 13:48	
Naphthalene	ug/L	0.018J	0.050	06/21/10 13:48	
Phenanthrene	ug/L	<0.0086	0.050	06/21/10 13:48	
Pyrene	ug/L	0.0082J	0.050	06/21/10 13:48	
2-Fluorobiphenyl (S)	%-	47	25-130	06/21/10 13:48	
Terphenyl-d14 (S)	%-	78	36-140	06/21/10 13:48	

LABORATORY CONTROL SAMPLE: 317074

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/L	.2	0.11	57	33-130	
2-Methylnaphthalene	ug/L	.2	0.11	54	29-130	
Acenaphthene	ug/L	.2	0.10	52	43-130	
Acenaphthylene	ug/L	.2	0.096	48	33-130	
Anthracene	ug/L	.2	0.098	49	33-130	
Benzo(a)anthracene	ug/L	.2	0.17	86	41-130	
Benzo(a)pyrene	ug/L	.2	0.18	92	59-130	
Benzo(b)fluoranthene	ug/L	.2	0.19	94	53-130	
Benzo(g,h,i)perylene	ug/L	.2	0.19	96	55-130	
Benzo(k)fluoranthene	ug/L	.2	0.22	112	64-133	
Chrysene	ug/L	.2	0.20	98	62-130	
Dibenz(a,h)anthracene	ug/L	.2	0.18	91	37-130	
Fluoranthene	ug/L	.2	0.15	73	48-130	
Fluorene	ug/L	.2	0.10	52	42-130	
Indeno(1,2,3-cd)pyrene	ug/L	.2	0.19	93	46-130	
Naphthalene	ug/L	.2	0.15	75	33-130	
Phenanthrene	ug/L	.2	0.12	60	36-130	

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QUALITY CONTROL DATA

Project: 0054263 FIRESTONE-MUSKEGO
Pace Project No.: 4033345

LABORATORY CONTROL SAMPLE: 317074

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Pyrene	ug/L	.2	0.14	70	51-130	
2-Fluorobiphenyl (S)	%-			62	25-130	
Terphenyl-d14 (S)	%-			93	36-140	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 317075 317076

Parameter	Units	4033350030 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1-Methylnaphthalene	ug/L	0.025J	.4	.4	0.21	0.22	47	48	10-130	1	45	
2-Methylnaphthalene	ug/L	0.043J	.4	.4	0.21	0.22	43	44	10-130	2	44	
Acenaphthene	ug/L	<0.0048	.4	.4	0.24	0.24	58	59	25-130	2	41	
Acenaphthylene	ug/L	<0.0038	.4	.4	0.22	0.22	56	56	22-130	.2	40	
Anthracene	ug/L	0.0080J	.4	.4	0.31	0.32	75	78	22-130	3	36	
Benzo(a)anthracene	ug/L	0.028J	.4	.4	0.39	0.43	91	100	52-130	9	20	
Benzo(a)pyrene	ug/L	0.028J	.4	.4	0.39	0.46	91	108	52-130	16	20	
Benzo(b)fluoranthene	ug/L	0.052	.4	.4	0.44	0.55	98	124	51-130	21	20	R1
Benzo(g,h,i)perylene	ug/L	0.035J	.4	.4	0.39	0.46	88	107	46-130	18	20	
Benzo(k)fluoranthene	ug/L	0.042J	.4	.4	0.40	0.47	88	108	55-130	18	22	
Chrysene	ug/L	0.051	.4	.4	0.40	0.49	88	109	49-130	20	20	
Dibenz(a,h)anthracene	ug/L	0.020J	.4	.4	0.36	0.39	86	93	43-130	8	20	
Fluoranthene	ug/L	0.060	.4	.4	0.43	0.54	91	119	41-130	23	28	
Fluorene	ug/L	<0.0051	.4	.4	0.26	0.26	63	63	21-130	0	32	
Indeno(1,2,3-cd)pyrene	ug/L	0.031J	.4	.4	0.37	0.45	86	104	42-130	17	20	
Naphthalene	ug/L	0.16	.4	.4	0.31	0.28	37	29	19-130	11	42	
Phenanthrene	ug/L	0.018J	.4	.4	0.30	0.33	71	78	22-130	9	38	
Pyrene	ug/L	0.044J	.4	.4	0.39	0.46	86	104	35-130	17	21	
2-Fluorobiphenyl (S)	%-						57	55	25-130			
Terphenyl-d14 (S)	%-						106	103	36-140			

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QUALITY CONTROL DATA

Project: 0054263 FIRESTONE-MUSKEGO
Pace Project No.: 4033345

QC Batch: MSV/8157 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 4033345001, 4033345002, 4033345003, 4033345004, 4033345005

METHOD BLANK: 316477 Matrix: Water
Associated Lab Samples: 4033345001, 4033345002, 4033345003, 4033345004, 4033345005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.92	1.0	06/21/10 07:35	
1,1,1-Trichloroethane	ug/L	<0.90	1.0	06/21/10 07:35	
1,1,2,2-Tetrachloroethane	ug/L	<0.20	1.0	06/21/10 07:35	
1,1,2-Trichloroethane	ug/L	<0.42	1.0	06/21/10 07:35	
1,1-Dichloroethane	ug/L	<0.75	1.0	06/21/10 07:35	
1,1-Dichloroethene	ug/L	<0.57	1.0	06/21/10 07:35	
1,1-Dichloropropene	ug/L	<0.75	1.0	06/21/10 07:35	
1,2,3-Trichlorobenzene	ug/L	<0.74	1.0	06/21/10 07:35	
1,2,3-Trichloropropane	ug/L	<0.99	1.0	06/21/10 07:35	
1,2,4-Trichlorobenzene	ug/L	<0.97	1.0	06/21/10 07:35	
1,2,4-Trimethylbenzene	ug/L	<0.97	1.0	06/21/10 07:35	
1,2-Dibromo-3-chloropropane	ug/L	<1.7	5.0	06/21/10 07:35	
1,2-Dibromoethane (EDB)	ug/L	<0.56	1.0	06/21/10 07:35	
1,2-Dichlorobenzene	ug/L	<0.83	1.0	06/21/10 07:35	
1,2-Dichloroethane	ug/L	<0.36	1.0	06/21/10 07:35	
1,2-Dichloropropane	ug/L	<0.49	1.0	06/21/10 07:35	
1,3,5-Trimethylbenzene	ug/L	<0.83	1.0	06/21/10 07:35	
1,3-Dichlorobenzene	ug/L	<0.87	1.0	06/21/10 07:35	
1,3-Dichloropropane	ug/L	<0.61	1.0	06/21/10 07:35	
1,4-Dichlorobenzene	ug/L	<0.95	1.0	06/21/10 07:35	
2,2-Dichloropropane	ug/L	<0.62	1.0	06/21/10 07:35	
2-Chlorotoluene	ug/L	<0.85	1.0	06/21/10 07:35	
4-Chlorotoluene	ug/L	<0.74	1.0	06/21/10 07:35	
Benzene	ug/L	<0.41	1.0	06/21/10 07:35	
Bromobenzene	ug/L	<0.82	1.0	06/21/10 07:35	
Bromochloromethane	ug/L	<0.97	1.0	06/21/10 07:35	
Bromodichloromethane	ug/L	<0.56	1.0	06/21/10 07:35	
Bromoform	ug/L	<0.94	1.0	06/21/10 07:35	
Bromomethane	ug/L	<0.91	1.0	06/21/10 07:35	
Carbon tetrachloride	ug/L	<0.49	1.0	06/21/10 07:35	
Chlorobenzene	ug/L	<0.41	1.0	06/21/10 07:35	
Chloroethane	ug/L	<0.97	1.0	06/21/10 07:35	
Chloroform	ug/L	<1.3	5.0	06/21/10 07:35	
Chloromethane	ug/L	<0.24	1.0	06/21/10 07:35	
cis-1,2-Dichloroethene	ug/L	<0.83	1.0	06/21/10 07:35	
cis-1,3-Dichloropropene	ug/L	<0.20	1.0	06/21/10 07:35	
Dibromochloromethane	ug/L	<0.81	1.0	06/21/10 07:35	
Dibromomethane	ug/L	<0.60	1.0	06/21/10 07:35	
Dichlorodifluoromethane	ug/L	<0.99	1.0	06/21/10 07:35	
Diisopropyl ether	ug/L	<0.76	1.0	06/21/10 07:35	
Ethylbenzene	ug/L	<0.54	1.0	06/21/10 07:35	
Hexachloro-1,3-butadiene	ug/L	<0.67	5.0	06/21/10 07:35	
Isopropylbenzene (Cumene)	ug/L	<0.59	1.0	06/21/10 07:35	

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QUALITY CONTROL DATA

Project: 0054263 FIRESTONE-MUSKEGO
Pace Project No.: 4033345

METHOD BLANK: 316477 Matrix: Water

Associated Lab Samples: 4033345001, 4033345002, 4033345003, 4033345004, 4033345005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
m&p-Xylene	ug/L	<1.8	2.0	06/21/10 07:35	
Methyl-tert-butyl ether	ug/L	<0.61	1.0	06/21/10 07:35	
Methylene Chloride	ug/L	<0.43	1.0	06/21/10 07:35	
n-Butylbenzene	ug/L	<0.93	1.0	06/21/10 07:35	
n-Propylbenzene	ug/L	<0.81	1.0	06/21/10 07:35	
Naphthalene	ug/L	<0.89	5.0	06/21/10 07:35	
o-Xylene	ug/L	<0.83	1.0	06/21/10 07:35	
p-Isopropyltoluene	ug/L	<0.67	1.0	06/21/10 07:35	
sec-Butylbenzene	ug/L	<0.89	5.0	06/21/10 07:35	
Styrene	ug/L	<0.86	1.0	06/21/10 07:35	
tert-Butylbenzene	ug/L	<0.97	1.0	06/21/10 07:35	
Tetrachloroethene	ug/L	<0.45	1.0	06/21/10 07:35	
Toluene	ug/L	<0.67	1.0	06/21/10 07:35	
trans-1,2-Dichloroethene	ug/L	<0.89	1.0	06/21/10 07:35	
trans-1,3-Dichloropropene	ug/L	<0.19	1.0	06/21/10 07:35	
Trichloroethene	ug/L	<0.48	1.0	06/21/10 07:35	
Trichlorofluoromethane	ug/L	<0.79	1.0	06/21/10 07:35	
Vinyl chloride	ug/L	<0.18	1.0	06/21/10 07:35	
4-Bromofluorobenzene (S)	%-	92	69-130	06/21/10 07:35	
Dibromofluoromethane (S)	%-	98	70-134	06/21/10 07:35	
Toluene-d8 (S)	%-	100	70-130	06/21/10 07:35	

LABORATORY CONTROL SAMPLE & LCSD: 316478 316479

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/L	50	54.6	54.1	109	108	70-132	.9	20	
1,1,2,2-Tetrachloroethane	ug/L	50	48.6	49.3	97	99	63-130	2	20	
1,1,2-Trichloroethane	ug/L	50	51.8	51.7	104	103	70-130	.4	20	
1,1-Dichloroethane	ug/L	50	55.2	53.9	110	108	70-132	2	20	
1,1-Dichloroethene	ug/L	50	56.8	56.4	114	113	70-137	.7	20	
1,2-Dichloroethane	ug/L	50	53.4	51.9	107	104	70-130	3	20	
1,2-Dichloropropane	ug/L	50	52.2	52.5	104	105	70-130	.5	20	
Benzene	ug/L	50	54.7	54.1	109	108	70-130	1	20	
Bromodichloromethane	ug/L	50	52.8	52.7	106	105	70-131	.1	20	
Bromoform	ug/L	50	45.0	45.7	90	91	70-130	2	20	
Bromomethane	ug/L	50	55.0	60.1	110	120	53-160	9	20	
Carbon tetrachloride	ug/L	50	58.3	58.3	117	117	70-130	.004	20	
Chlorobenzene	ug/L	50	52.5	52.8	105	106	70-130	.5	20	
Chloroethane	ug/L	50	57.5	55.9	115	112	70-147	3	20	
Chloroform	ug/L	50	54.2	53.8	108	108	70-130	.8	20	
Chloromethane	ug/L	50	50.5	49.5	101	99	41-137	2	20	
cis-1,2-Dichloroethene	ug/L	50	53.6	52.9	107	106	70-130	1	20	
cis-1,3-Dichloropropene	ug/L	50	49.9	50.5	100	101	70-130	1	20	
Dibromochloromethane	ug/L	50	54.9	54.8	110	110	70-130	.07	20	
Ethylbenzene	ug/L	50	55.2	55.3	110	111	70-130	.03	20	

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1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 0054263 FIRESTONE-MUSKEGO
Pace Project No.: 4033345

LABORATORY CONTROL SAMPLE & LCSD: 316478 316479

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
m&p-Xylene	ug/L	100	111	109	111	109	70-130	1	20	
Methylene Chloride	ug/L	50	53.4	53.3	107	107	70-130	.2	20	
o-Xylene	ug/L	50	56.0	55.3	112	111	70-130	1	20	
Styrene	ug/L	50	55.4	55.6	111	111	70-130	.3	20	
Tetrachloroethene	ug/L	50	53.1	53.0	106	106	70-130	.2	20	
Toluene	ug/L	50	54.6	54.6	109	109	70-130	.1	20	
trans-1,2-Dichloroethene	ug/L	50	55.9	55.7	112	111	70-130	.4	20	
trans-1,3-Dichloropropene	ug/L	50	44.0	44.0	88	88	70-130	.1	20	
Trichloroethene	ug/L	50	54.8	54.3	110	109	70-130	.9	20	
Vinyl chloride	ug/L	50	50.4	50.6	101	101	47-131	.5	20	
4-Bromofluorobenzene (S)	%-				95	96	69-130			
Dibromofluoromethane (S)	%-				102	101	70-134			
Toluene-d8 (S)	%-				102	102	70-130			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 316481 316482

Parameter	Units	4033357001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	<0.90	50	50	52.9	53.6	106	107	70-132	1	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.20	50	50	47.9	49.6	96	99	61-130	4	20	
1,1,2-Trichloroethane	ug/L	<0.42	50	50	50.9	51.0	102	102	70-130	.4	20	
1,1-Dichloroethane	ug/L	<0.75	50	50	53.7	54.8	107	110	70-132	2	20	
1,1-Dichloroethene	ug/L	<0.57	50	50	55.2	55.3	110	111	70-137	.08	20	
1,2-Dichloroethane	ug/L	<0.36	50	50	50.9	52.9	102	106	70-133	4	20	
1,2-Dichloropropane	ug/L	<0.49	50	50	52.5	51.8	105	104	70-130	1	20	
Benzene	ug/L	<0.41	50	50	53.1	53.8	106	108	70-130	1	20	
Bromodichloromethane	ug/L	<0.56	50	50	53.0	53.2	106	106	70-131	.2	20	
Bromoform	ug/L	<0.94	50	50	44.0	45.0	88	90	68-130	2	20	
Bromomethane	ug/L	<0.91	50	50	56.7	59.7	113	119	47-177	5	20	
Carbon tetrachloride	ug/L	<0.49	50	50	57.3	57.1	115	114	70-149	.4	20	
Chlorobenzene	ug/L	<0.41	50	50	52.6	52.7	105	105	70-130	.2	20	
Chloroethane	ug/L	<0.97	50	50	54.5	54.7	109	109	66-147	.5	20	
Chloroform	ug/L	<1.3	50	50	53.3	53.1	107	106	70-130	.2	20	
Chloromethane	ug/L	<0.24	50	50	45.6	45.9	91	92	41-137	.7	20	
cis-1,2-Dichloroethene	ug/L	<0.83	50	50	52.0	52.9	104	106	70-130	2	20	
cis-1,3-Dichloropropene	ug/L	<0.20	50	50	49.8	50.3	100	101	70-130	1	20	
Dibromochloromethane	ug/L	<0.81	50	50	53.7	53.7	107	107	70-130	.03	20	
Ethylbenzene	ug/L	<0.54	50	50	54.9	54.5	110	109	70-130	.7	20	
m&p-Xylene	ug/L		100	100	109	109	109	109	70-130	.2	20	
Methylene Chloride	ug/L	<0.43	50	50	51.7	53.0	103	106	70-130	3	20	
o-Xylene	ug/L		50	50	54.6	55.5	109	111	70-130	2	20	
Styrene	ug/L	<0.86	50	50	55.3	55.0	111	110	13-149	.6	20	
Tetrachloroethene	ug/L	<0.45	50	50	53.2	52.6	106	105	70-130	1	20	
Toluene	ug/L	<0.67	50	50	53.9	53.9	108	108	70-130	.09	20	
trans-1,2-Dichloroethene	ug/L	<0.89	50	50	54.0	55.2	108	110	70-130	2	20	
trans-1,3-Dichloropropene	ug/L	<0.19	50	50	43.6	44.2	87	88	70-130	1	20	
Trichloroethene	ug/L	<0.48	50	50	54.2	54.2	108	108	70-130	.1	20	

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(920)469-2436

QUALITY CONTROL DATA

Project: 0054263 FIRESTONE-MUSKEGO
Pace Project No.: 4033345

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 316481 316482

Parameter	Units	4033357001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Vinyl chloride	ug/L	<0.18	50	50	47.2	47.0	94	94	46-131	.3	20	
4-Bromofluorobenzene (S)	%-						95	95	69-130			
Dibromofluoromethane (S)	%-						100	99	70-134			
Toluene-d8 (S)	%-						102	101	70-130			

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QUALIFIERS

Project: 0054263 FIRESTONE-MUSKEGO
Pace Project No.: 4033345

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.

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

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

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

LABORATORIES

PASI-G	Pace Analytical Services - Green Bay

BATCH QUALIFIERS

Batch: MSSV/2710

[1]	There was a hit of Naphthalene in the Extraction Blank above the RDL, there was either no volume available for reextraction or the required reporting limit was well above the level found in the blank.

ANALYTE QUALIFIERS

B	Analyte was detected in the associated method blank.
R1	RPD value was outside control limits.

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4033345

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km

UPPER MIDWEST REGION
MN: 612-607-1700 **WI:** 920-469-2436

CHAIN OF CUSTODY

(Please Print Clearly)	
Company Name:	PSI
Branch/Location:	Pewaukee
Project Contact:	Matt Dahlem
Phone:	262-347-0898
Project Number:	0054263
Project Name:	Firestone - Muskego
Project State:	WI
Sampled By (Print):	Matt Dahlem
Sampled By (Sign):	[signature]
PO #:	
Regulatory Program:	

***Preservation Codes**
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

Quote #:	
Mail To Contact:	Matt Dahlem
Mail To Company:	
Mail To Address:	
Invoice To Contact:	Matt Dahlem
Invoice To Company:	
Invoice To Address:	
Invoice To Phone:	

Data Package Options (billable)
- ☐ EPA Level III
- ☐ EPA Level IV

MS/MSD
- ☐ On your sample (billable)
- ☐ NOT needed on your sample

Matrix Codes
A = Air, B = Biota, C = Charcoal, O = Oil, S = Soil, SI = Sludge, W = Water, DW = Drinking Water, GW = Ground Water, SW = Surface Water, WW = Waste Water, WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	VOC	PAH	Dissolved Lead	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
FILTERED? (YES/NO)					N	N	Y			
PRESERVATION (CODE)*					B	A	D			
001	MW-2	6/16/10	1340	GW	X	X	X	Lead samples	1-1LAG; 1-250ml; 3-40ml	
002	MW-4	↓	1300	↓	↓	↓	↓	field filtered	↓	
003	MW-5		1420							
004	MW-11		1140							
005	MW-12	↓	1240	↓	↓	↓	↓		↓	

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:

Transmit Prelim Rush Results by (complete what you want):

Email #1:	
Email #2:	
Telephone:	
Fax:	

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
Matt [signature]	6/17/10 0905	D. Fanual	6/17/10 0905
D. Fanual	6/17/10 11:30	D. Mielke	6/17/10 11:30
D. Mielke	6/17/10 13:35	A. Ordwely	6/17/10 13:35

PACE Project No. 4033345

Receipt Temp = 20.1 °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal Present / Not Present
Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

ORIGINAL

Pace Analytical Services, Inc.
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

Pace Analytical

Sample Condition Upon Receipt

Client Name: PSI Project # 4033345

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

Tracking #: _____

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

Custody Seal on Samples Present: ☐ yes ☑ no Seals intact: ☐ yes ☐ no

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None Other

Thermometer Used NA **Type of Ice:** Wet Blue Dry None ☐ Samples on ice, cooling process has begun

Cooler Temperature WDI **Biological Tissue is Frozen:** ☐ yes ☐ no

Temp Blank Present: ☐ yes ☑ no

Optional
Proj. Due Date:
Proj. Name:

Temp should be above freezing to 6°C for all sample except Biota.
Biota Samples should be received ≤ 0°C.

Person examining contents:
Date: WB 6/17/10
Initials: _____

		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. WB 6/17
Sample Labels match COC:	☑Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix: W		
All containers needing preservation have been checked.	☑Yes ☐No ☐N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☑Yes ☐No ☐N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☐Yes ☐No	Initial when completed WB / Lot # of added preservative
Samples checked for dechlorination:	☐Yes ☐No ☑N/A	14.
Headspace 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: LW **Date:** 6/17/10

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

September 22, 2010

Matt Dahlem
PSI Incorporated
W237 N2878 Woodgate Road
Suite 2
Pewaukee, WI 53072

RE: Project: 0054263 FIRESTONE - MUSKEGO
Pace Project No.: 4036770

Dear Matt Dahlem:
Enclosed are the analytical results for sample(s) received by the laboratory on September 10, 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,

Laurie Woelfel

Laurie Woelfel

laurie.woelfel@pacelabs.com
Project Manager

Enclosures

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CERTIFICATIONS

Project: 0054263 FIRESTONE - MUSKEGO
Pace Project No.: 4036770

Green Bay Certification IDs
1241 Bellevue Street, Green Bay, WI 54302
California Certification #: 09268CA
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 11888
New York Certification #: 11888
North Carolina Certification #: 503
North Dakota Certification #: R-150
South Carolina Certification #: 83006001
US Dept of Agriculture #: S-76505
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444

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SAMPLE SUMMARY

Project: 0054263 FIRESTONE - MUSKEGO
Pace Project No.: 4036770

Lab ID	Sample ID	Matrix	Date Collected	Date Received
4036770001	**MW-2**	Water	09/08/10 14:00	09/10/10 09:15
4036770002	**MW-4**	Water	09/08/10 13:00	09/10/10 09:15
4036770003	**MW-5**	Water	09/08/10 15:00	09/10/10 09:15
4036770004	**MW-11**	Water	09/08/10 12:00	09/10/10 09:15
4036770005	**MW-12**	Water	09/08/10 11:00	09/10/10 09:15

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SAMPLE ANALYTE COUNT

Project: 0054263 FIRESTONE - MUSKEGO
Pace Project No.: 4036770

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
4036770001	**MW-2**	EPA 6010	DLB	1	PASI-G
		EPA 8270 by SIM	RJN	20	PASI-G
		EPA 8260	SMT	64	PASI-G
4036770002	**MW-4**	EPA 6010	DLB	1	PASI-G
		EPA 8270 by SIM	RJN	20	PASI-G
		EPA 8260	SMT	64	PASI-G
4036770003	**MW-5**	EPA 6010	DLB	1	PASI-G
		EPA 8270 by SIM	RJN	20	PASI-G
		EPA 8260	SMT	64	PASI-G
4036770004	**MW-11**	EPA 6010	DLB	1	PASI-G
		EPA 8270 by SIM	RJN	20	PASI-G
		EPA 8260	SMT	64	PASI-G
4036770005	**MW-12**	EPA 6010	DLB	1	PASI-G
		EPA 8270 by SIM	RJN	20	PASI-G
		EPA 8260	SMT	64	PASI-G

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ANALYTICAL RESULTS

Project: 0054263 FIRESTONE - MUSKEGO
Pace Project No.: 4036770

Sample: MW-2 **Lab ID: 4036770001** Collected: 09/08/10 14:00 Received: 09/10/10 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Lead, Dissolved	**6.0J**	ug/L	7.5	1.7	1		09/13/10 23:35	7439-92-1	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Acenaphthene	**0.0066J**	ug/L	0.047	0.0045	1	09/15/10 13:00	09/16/10 14:25	83-32-9	B
Acenaphthylene	**<0.0036**	ug/L	0.047	0.0036	1	09/15/10 13:00	09/16/10 14:25	208-96-8	
Anthracene	**<0.0057**	ug/L	0.047	0.0057	1	09/15/10 13:00	09/16/10 14:25	120-12-7	
Benzo(a)anthracene	**0.0089J**	ug/L	0.047	0.0036	1	09/15/10 13:00	09/16/10 14:25	56-55-3	
Benzo(a)pyrene	**0.0089J**	ug/L	0.047	0.0029	1	09/15/10 13:00	09/16/10 14:25	50-32-8	
Benzo(b)fluoranthene	**0.014J**	ug/L	0.047	0.0034	1	09/15/10 13:00	09/16/10 14:25	205-99-2	
Benzo(g,h,i)perylene	**0.014J**	ug/L	0.047	0.0048	1	09/15/10 13:00	09/16/10 14:25	191-24-2	
Benzo(k)fluoranthene	**0.011J**	ug/L	0.047	0.0044	1	09/15/10 13:00	09/16/10 14:25	207-08-9	
Chrysene	**0.023J**	ug/L	0.047	0.0035	1	09/15/10 13:00	09/16/10 14:25	218-01-9	
Dibenz(a,h)anthracene	**<0.0032**	ug/L	0.047	0.0032	1	09/15/10 13:00	09/16/10 14:25	53-70-3	
Fluoranthene	**0.027J**	ug/L	0.047	0.0044	1	09/15/10 13:00	09/16/10 14:25	206-44-0	
Fluorene	**<0.0048**	ug/L	0.047	0.0048	1	09/15/10 13:00	09/16/10 14:25	86-73-7	
Indeno(1,2,3-cd)pyrene	**0.0076J**	ug/L	0.047	0.0047	1	09/15/10 13:00	09/16/10 14:25	193-39-5	
1-Methylnaphthalene	**0.070**	ug/L	0.047	0.0050	1	09/15/10 13:00	09/16/10 14:25	90-12-0	B
2-Methylnaphthalene	**0.066**	ug/L	0.047	0.0039	1	09/15/10 13:00	09/16/10 14:25	91-57-6	B
Naphthalene	**0.26**	ug/L	0.047	0.0048	1	09/15/10 13:00	09/16/10 14:25	91-20-3	B
Phenanthrene	**0.017J**	ug/L	0.047	0.0081	1	09/15/10 13:00	09/16/10 14:25	85-01-8	
Pyrene	**0.33**	ug/L	0.047	0.0047	1	09/15/10 13:00	09/16/10 14:25	129-00-0	
2-Fluorobiphenyl (S)	51	%	23-130		1	09/15/10 13:00	09/16/10 14:25	321-60-8	
Terphenyl-d14 (S)	148	%	58-144		1	09/15/10 13:00	09/16/10 14:25	1718-51-0	1q,S0
8260 MSV	Analytical Method: EPA 8260								
Benzene	**114**	ug/L	1.0	0.41	1		09/13/10 13:04	71-43-2	
Bromobenzene	**<0.82**	ug/L	1.0	0.82	1		09/13/10 13:04	108-86-1	
Bromochloromethane	**<0.97**	ug/L	1.0	0.97	1		09/13/10 13:04	74-97-5	
Bromodichloromethane	**<0.56**	ug/L	1.0	0.56	1		09/13/10 13:04	75-27-4	
Bromoform	**<0.94**	ug/L	1.0	0.94	1		09/13/10 13:04	75-25-2	
Bromomethane	**<0.91**	ug/L	1.0	0.91	1		09/13/10 13:04	74-83-9	
n-Butylbenzene	**<0.93**	ug/L	1.0	0.93	1		09/13/10 13:04	104-51-8	
sec-Butylbenzene	**<0.89**	ug/L	5.0	0.89	1		09/13/10 13:04	135-98-8	
tert-Butylbenzene	**<0.97**	ug/L	1.0	0.97	1		09/13/10 13:04	98-06-6	
Carbon tetrachloride	**<0.49**	ug/L	1.0	0.49	1		09/13/10 13:04	56-23-5	
Chlorobenzene	**<0.41**	ug/L	1.0	0.41	1		09/13/10 13:04	108-90-7	
Chloroethane	**<0.97**	ug/L	1.0	0.97	1		09/13/10 13:04	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		09/13/10 13:04	67-66-3	
Chloromethane	**0.83J**	ug/L	1.0	0.24	1		09/13/10 13:04	74-87-3	
2-Chlorotoluene	**<0.85**	ug/L	1.0	0.85	1		09/13/10 13:04	95-49-8	
4-Chlorotoluene	**<0.74**	ug/L	1.0	0.74	1		09/13/10 13:04	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/L	5.0	1.7	1		09/13/10 13:04	96-12-8	
Dibromochloromethane	**<0.81**	ug/L	1.0	0.81	1		09/13/10 13:04	124-48-1	
1,2-Dibromoethane (EDB)	**<0.56**	ug/L	1.0	0.56	1		09/13/10 13:04	106-93-4	
Dibromomethane	**<0.60**	ug/L	1.0	0.60	1		09/13/10 13:04	74-95-3	
1,2-Dichlorobenzene	**<0.83**	ug/L	1.0	0.83	1		09/13/10 13:04	95-50-1	

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ANALYTICAL RESULTS

Project: 0054263 FIRESTONE - MUSKEGO
Pace Project No.: 4036770

Sample: MW-2 **Lab ID: 4036770001** Collected: 09/08/10 14:00 Received: 09/10/10 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,3-Dichlorobenzene	**<0.87**	ug/L	1.0	0.87	1		09/13/10 13:04	541-73-1	
1,4-Dichlorobenzene	**<0.95**	ug/L	1.0	0.95	1		09/13/10 13:04	106-46-7	
Dichlorodifluoromethane	**<0.99**	ug/L	1.0	0.99	1		09/13/10 13:04	75-71-8	
1,1-Dichloroethane	**<0.75**	ug/L	1.0	0.75	1		09/13/10 13:04	75-34-3	
1,2-Dichloroethane	**27.1**	ug/L	1.0	0.36	1		09/13/10 13:04	107-06-2	
1,1-Dichloroethene	**<0.57**	ug/L	1.0	0.57	1		09/13/10 13:04	75-35-4	
cis-1,2-Dichloroethene	**<0.83**	ug/L	1.0	0.83	1		09/13/10 13:04	156-59-2	
trans-1,2-Dichloroethene	**<0.89**	ug/L	1.0	0.89	1		09/13/10 13:04	156-60-5	
1,2-Dichloropropane	**<0.49**	ug/L	1.0	0.49	1		09/13/10 13:04	78-87-5	
1,3-Dichloropropane	**<0.61**	ug/L	1.0	0.61	1		09/13/10 13:04	142-28-9	
2,2-Dichloropropane	**<0.62**	ug/L	1.0	0.62	1		09/13/10 13:04	594-20-7	
1,1-Dichloropropene	**<0.75**	ug/L	1.0	0.75	1		09/13/10 13:04	563-58-6	
cis-1,3-Dichloropropene	**<0.20**	ug/L	1.0	0.20	1		09/13/10 13:04	10061-01-5	
trans-1,3-Dichloropropene	**<0.19**	ug/L	1.0	0.19	1		09/13/10 13:04	10061-02-6	
Diisopropyl ether	**<0.76**	ug/L	1.0	0.76	1		09/13/10 13:04	108-20-3	
Ethylbenzene	**15.9**	ug/L	1.0	0.54	1		09/13/10 13:04	100-41-4	
Hexachloro-1,3-butadiene	**<0.67**	ug/L	5.0	0.67	1		09/13/10 13:04	87-68-3	
Isopropylbenzene (Cumene)	**1.8**	ug/L	1.0	0.59	1		09/13/10 13:04	98-82-8	
p-Isopropyltoluene	**0.98J**	ug/L	1.0	0.67	1		09/13/10 13:04	99-87-6	
Methylene Chloride	**<0.43**	ug/L	1.0	0.43	1		09/13/10 13:04	75-09-2	
Methyl-tert-butyl ether	**<0.61**	ug/L	1.0	0.61	1		09/13/10 13:04	1634-04-4	
Naphthalene	**<0.89**	ug/L	5.0	0.89	1		09/13/10 13:04	91-20-3	
n-Propylbenzene	**3.7**	ug/L	1.0	0.81	1		09/13/10 13:04	103-65-1	
Styrene	**<0.86**	ug/L	1.0	0.86	1		09/13/10 13:04	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.92**	ug/L	1.0	0.92	1		09/13/10 13:04	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.20**	ug/L	1.0	0.20	1		09/13/10 13:04	79-34-5	
Tetrachloroethene	**<0.45**	ug/L	1.0	0.45	1		09/13/10 13:04	127-18-4	
Toluene	**4.8**	ug/L	1.0	0.67	1		09/13/10 13:04	108-88-3	
1,2,3-Trichlorobenzene	**<0.74**	ug/L	1.0	0.74	1		09/13/10 13:04	87-61-6	
1,2,4-Trichlorobenzene	**<0.97**	ug/L	1.0	0.97	1		09/13/10 13:04	120-82-1	
1,1,1-Trichloroethane	**<0.90**	ug/L	1.0	0.90	1		09/13/10 13:04	71-55-6	
1,1,2-Trichloroethane	**<0.42**	ug/L	1.0	0.42	1		09/13/10 13:04	79-00-5	
Trichloroethene	**<0.48**	ug/L	1.0	0.48	1		09/13/10 13:04	79-01-6	
Trichlorofluoromethane	**<0.79**	ug/L	1.0	0.79	1		09/13/10 13:04	75-69-4	
1,2,3-Trichloropropane	**<0.99**	ug/L	1.0	0.99	1		09/13/10 13:04	96-18-4	
1,2,4-Trimethylbenzene	**5.8**	ug/L	1.0	0.97	1		09/13/10 13:04	95-63-6	
1,3,5-Trimethylbenzene	**13.9**	ug/L	1.0	0.83	1		09/13/10 13:04	108-67-8	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		09/13/10 13:04	75-01-4	
m&p-Xylene	**4.3**	ug/L	2.0	1.8	1		09/13/10 13:04	179601-23-1	
o-Xylene	**<0.83**	ug/L	1.0	0.83	1		09/13/10 13:04	95-47-6	
4-Bromofluorobenzene (S)	97	%	69-130		1		09/13/10 13:04	460-00-4	
Dibromofluoromethane (S)	94	%	70-134		1		09/13/10 13:04	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		09/13/10 13:04	2037-26-5	

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ANALYTICAL RESULTS

Project: 0054263 FIRESTONE - MUSKEGO
Pace Project No.: 4036770

Sample: MW-4 **Lab ID: 4036770002** Collected: 09/08/10 13:00 Received: 09/10/10 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Lead, Dissolved	**4.0J**	ug/L	7.5	1.7	1		09/13/10 23:39	7439-92-1	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Acenaphthene	**<0.0045**	ug/L	0.047	0.0045	1	09/15/10 13:00	09/16/10 10:02	83-32-9	
Acenaphthylene	**<0.0036**	ug/L	0.047	0.0036	1	09/15/10 13:00	09/16/10 10:02	208-96-8	
Anthracene	**0.0065J**	ug/L	0.047	0.0057	1	09/15/10 13:00	09/16/10 10:02	120-12-7	
Benzo(a)anthracene	**0.0084J**	ug/L	0.047	0.0036	1	09/15/10 13:00	09/16/10 10:02	56-55-3	
Benzo(a)pyrene	**0.0074J**	ug/L	0.047	0.0029	1	09/15/10 13:00	09/16/10 10:02	50-32-8	
Benzo(b)fluoranthene	**0.010J**	ug/L	0.047	0.0034	1	09/15/10 13:00	09/16/10 10:02	205-99-2	
Benzo(g,h,i)perylene	**0.013J**	ug/L	0.047	0.0048	1	09/15/10 13:00	09/16/10 10:02	191-24-2	
Benzo(k)fluoranthene	**0.010J**	ug/L	0.047	0.0044	1	09/15/10 13:00	09/16/10 10:02	207-08-9	
Chrysene	**0.018J**	ug/L	0.047	0.0035	1	09/15/10 13:00	09/16/10 10:02	218-01-9	
Dibenz(a,h)anthracene	**<0.0032**	ug/L	0.047	0.0032	1	09/15/10 13:00	09/16/10 10:02	53-70-3	
Fluoranthene	**0.022J**	ug/L	0.047	0.0044	1	09/15/10 13:00	09/16/10 10:02	206-44-0	
Fluorene	**<0.0048**	ug/L	0.047	0.0048	1	09/15/10 13:00	09/16/10 10:02	86-73-7	
Indeno(1,2,3-cd)pyrene	**0.0071J**	ug/L	0.047	0.0047	1	09/15/10 13:00	09/16/10 10:02	193-39-5	
1-Methylnaphthalene	**0.012J**	ug/L	0.047	0.0050	1	09/15/10 13:00	09/16/10 10:02	90-12-0	B
2-Methylnaphthalene	**0.024J**	ug/L	0.047	0.0039	1	09/15/10 13:00	09/16/10 10:02	91-57-6	B
Naphthalene	**0.028J**	ug/L	0.047	0.0048	1	09/15/10 13:00	09/16/10 10:02	91-20-3	B
Phenanthrene	**0.022J**	ug/L	0.047	0.0081	1	09/15/10 13:00	09/16/10 10:02	85-01-8	
Pyrene	**0.097**	ug/L	0.047	0.0047	1	09/15/10 13:00	09/16/10 10:02	129-00-0	
2-Fluorobiphenyl (S)	71	%	23-130		1	09/15/10 13:00	09/16/10 10:02	321-60-8	
Terphenyl-d14 (S)	107	%	58-144		1	09/15/10 13:00	09/16/10 10:02	1718-51-0	
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.41**	ug/L	1.0	0.41	1		09/13/10 10:30	71-43-2	
Bromobenzene	**<0.82**	ug/L	1.0	0.82	1		09/13/10 10:30	108-86-1	
Bromochloromethane	**<0.97**	ug/L	1.0	0.97	1		09/13/10 10:30	74-97-5	
Bromodichloromethane	**<0.56**	ug/L	1.0	0.56	1		09/13/10 10:30	75-27-4	
Bromoform	**<0.94**	ug/L	1.0	0.94	1		09/13/10 10:30	75-25-2	
Bromomethane	**<0.91**	ug/L	1.0	0.91	1		09/13/10 10:30	74-83-9	
n-Butylbenzene	**<0.93**	ug/L	1.0	0.93	1		09/13/10 10:30	104-51-8	
sec-Butylbenzene	**<0.89**	ug/L	5.0	0.89	1		09/13/10 10:30	135-98-8	
tert-Butylbenzene	**<0.97**	ug/L	1.0	0.97	1		09/13/10 10:30	98-06-6	
Carbon tetrachloride	**<0.49**	ug/L	1.0	0.49	1		09/13/10 10:30	56-23-5	
Chlorobenzene	**<0.41**	ug/L	1.0	0.41	1		09/13/10 10:30	108-90-7	
Chloroethane	**<0.97**	ug/L	1.0	0.97	1		09/13/10 10:30	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		09/13/10 10:30	67-66-3	
Chloromethane	**0.71J**	ug/L	1.0	0.24	1		09/13/10 10:30	74-87-3	
2-Chlorotoluene	**<0.85**	ug/L	1.0	0.85	1		09/13/10 10:30	95-49-8	
4-Chlorotoluene	**<0.74**	ug/L	1.0	0.74	1		09/13/10 10:30	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/L	5.0	1.7	1		09/13/10 10:30	96-12-8	
Dibromochloromethane	**<0.81**	ug/L	1.0	0.81	1		09/13/10 10:30	124-48-1	
1,2-Dibromoethane (EDB)	**<0.56**	ug/L	1.0	0.56	1		09/13/10 10:30	106-93-4	
Dibromomethane	**<0.60**	ug/L	1.0	0.60	1		09/13/10 10:30	74-95-3	
1,2-Dichlorobenzene	**<0.83**	ug/L	1.0	0.83	1		09/13/10 10:30	95-50-1	

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ANALYTICAL RESULTS

Project: 0054263 FIRESTONE - MUSKEGO
Pace Project No.: 4036770

Sample: MW-4 **Lab ID: 4036770002** Collected: 09/08/10 13:00 Received: 09/10/10 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,3-Dichlorobenzene	**<0.87**	ug/L	1.0	0.87	1		09/13/10 10:30	541-73-1	
1,4-Dichlorobenzene	**<0.95**	ug/L	1.0	0.95	1		09/13/10 10:30	106-46-7	
Dichlorodifluoromethane	**<0.99**	ug/L	1.0	0.99	1		09/13/10 10:30	75-71-8	
1,1-Dichloroethane	**<0.75**	ug/L	1.0	0.75	1		09/13/10 10:30	75-34-3	
1,2-Dichloroethane	**<0.36**	ug/L	1.0	0.36	1		09/13/10 10:30	107-06-2	
1,1-Dichloroethene	**<0.57**	ug/L	1.0	0.57	1		09/13/10 10:30	75-35-4	
cis-1,2-Dichloroethene	**<0.83**	ug/L	1.0	0.83	1		09/13/10 10:30	156-59-2	
trans-1,2-Dichloroethene	**<0.89**	ug/L	1.0	0.89	1		09/13/10 10:30	156-60-5	
1,2-Dichloropropane	**<0.49**	ug/L	1.0	0.49	1		09/13/10 10:30	78-87-5	
1,3-Dichloropropane	**<0.61**	ug/L	1.0	0.61	1		09/13/10 10:30	142-28-9	
2,2-Dichloropropane	**<0.62**	ug/L	1.0	0.62	1		09/13/10 10:30	594-20-7	
1,1-Dichloropropene	**<0.75**	ug/L	1.0	0.75	1		09/13/10 10:30	563-58-6	
cis-1,3-Dichloropropene	**<0.20**	ug/L	1.0	0.20	1		09/13/10 10:30	10061-01-5	
trans-1,3-Dichloropropene	**<0.19**	ug/L	1.0	0.19	1		09/13/10 10:30	10061-02-6	
Diisopropyl ether	**<0.76**	ug/L	1.0	0.76	1		09/13/10 10:30	108-20-3	
Ethylbenzene	**<0.54**	ug/L	1.0	0.54	1		09/13/10 10:30	100-41-4	
Hexachloro-1,3-butadiene	**<0.67**	ug/L	5.0	0.67	1		09/13/10 10:30	87-68-3	
Isopropylbenzene (Cumene)	**<0.59**	ug/L	1.0	0.59	1		09/13/10 10:30	98-82-8	
p-Isopropyltoluene	**<0.67**	ug/L	1.0	0.67	1		09/13/10 10:30	99-87-6	
Methylene Chloride	**<0.43**	ug/L	1.0	0.43	1		09/13/10 10:30	75-09-2	
Methyl-tert-butyl ether	**<0.61**	ug/L	1.0	0.61	1		09/13/10 10:30	1634-04-4	
Naphthalene	**<0.89**	ug/L	5.0	0.89	1		09/13/10 10:30	91-20-3	
n-Propylbenzene	**<0.81**	ug/L	1.0	0.81	1		09/13/10 10:30	103-65-1	
Styrene	**<0.86**	ug/L	1.0	0.86	1		09/13/10 10:30	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.92**	ug/L	1.0	0.92	1		09/13/10 10:30	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.20**	ug/L	1.0	0.20	1		09/13/10 10:30	79-34-5	
Tetrachloroethene	**<0.45**	ug/L	1.0	0.45	1		09/13/10 10:30	127-18-4	
Toluene	**<0.67**	ug/L	1.0	0.67	1		09/13/10 10:30	108-88-3	
1,2,3-Trichlorobenzene	**<0.74**	ug/L	1.0	0.74	1		09/13/10 10:30	87-61-6	
1,2,4-Trichlorobenzene	**<0.97**	ug/L	1.0	0.97	1		09/13/10 10:30	120-82-1	
1,1,1-Trichloroethane	**<0.90**	ug/L	1.0	0.90	1		09/13/10 10:30	71-55-6	
1,1,2-Trichloroethane	**<0.42**	ug/L	1.0	0.42	1		09/13/10 10:30	79-00-5	
Trichloroethene	**<0.48**	ug/L	1.0	0.48	1		09/13/10 10:30	79-01-6	
Trichlorofluoromethane	**<0.79**	ug/L	1.0	0.79	1		09/13/10 10:30	75-69-4	
1,2,3-Trichloropropane	**<0.99**	ug/L	1.0	0.99	1		09/13/10 10:30	96-18-4	
1,2,4-Trimethylbenzene	**<0.97**	ug/L	1.0	0.97	1		09/13/10 10:30	95-63-6	
1,3,5-Trimethylbenzene	**<0.83**	ug/L	1.0	0.83	1		09/13/10 10:30	108-67-8	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		09/13/10 10:30	75-01-4	
m&p-Xylene	**<1.8**	ug/L	2.0	1.8	1		09/13/10 10:30	179601-23-1	
o-Xylene	**<0.83**	ug/L	1.0	0.83	1		09/13/10 10:30	95-47-6	
4-Bromofluorobenzene (S)	90	%	69-130		1		09/13/10 10:30	460-00-4	
Dibromofluoromethane (S)	99	%	70-134		1		09/13/10 10:30	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		09/13/10 10:30	2037-26-5	

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ANALYTICAL RESULTS

Project: 0054263 FIRESTONE - MUSKEGO
Pace Project No.: 4036770

Sample: MW-5 **Lab ID: 4036770003** Collected: 09/08/10 15:00 Received: 09/10/10 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Lead, Dissolved	**1.9J**	ug/L	7.5	1.7	1		09/13/10 23:43	7439-92-1	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Acenaphthene	**<0.0045**	ug/L	0.047	0.0045	1	09/15/10 13:00	09/16/10 10:20	83-32-9	
Acenaphthylene	**<0.0036**	ug/L	0.047	0.0036	1	09/15/10 13:00	09/16/10 10:20	208-96-8	
Anthracene	**<0.0057**	ug/L	0.047	0.0057	1	09/15/10 13:00	09/16/10 10:20	120-12-7	
Benzo(a)anthracene	**<0.0036**	ug/L	0.047	0.0036	1	09/15/10 13:00	09/16/10 10:20	56-55-3	
Benzo(a)pyrene	**<0.0029**	ug/L	0.047	0.0029	1	09/15/10 13:00	09/16/10 10:20	50-32-8	
Benzo(b)fluoranthene	**0.0035J**	ug/L	0.047	0.0034	1	09/15/10 13:00	09/16/10 10:20	205-99-2	
Benzo(g,h,i)perylene	**0.0066J**	ug/L	0.047	0.0048	1	09/15/10 13:00	09/16/10 10:20	191-24-2	
Benzo(k)fluoranthene	**<0.0044**	ug/L	0.047	0.0044	1	09/15/10 13:00	09/16/10 10:20	207-08-9	
Chrysene	**0.013J**	ug/L	0.047	0.0035	1	09/15/10 13:00	09/16/10 10:20	218-01-9	
Dibenz(a,h)anthracene	**<0.0032**	ug/L	0.047	0.0032	1	09/15/10 13:00	09/16/10 10:20	53-70-3	
Fluoranthene	**0.0072J**	ug/L	0.047	0.0044	1	09/15/10 13:00	09/16/10 10:20	206-44-0	
Fluorene	**<0.0048**	ug/L	0.047	0.0048	1	09/15/10 13:00	09/16/10 10:20	86-73-7	
Indeno(1,2,3-cd)pyrene	**<0.0047**	ug/L	0.047	0.0047	1	09/15/10 13:00	09/16/10 10:20	193-39-5	
1-Methylnaphthalene	**0.026J**	ug/L	0.047	0.0050	1	09/15/10 13:00	09/16/10 10:20	90-12-0	B
2-Methylnaphthalene	**0.049**	ug/L	0.047	0.0039	1	09/15/10 13:00	09/16/10 10:20	91-57-6	B
Naphthalene	**0.031J**	ug/L	0.047	0.0048	1	09/15/10 13:00	09/16/10 10:20	91-20-3	B
Phenanthrene	**0.022J**	ug/L	0.047	0.0081	1	09/15/10 13:00	09/16/10 10:20	85-01-8	
Pyrene	**0.075**	ug/L	0.047	0.0047	1	09/15/10 13:00	09/16/10 10:20	129-00-0	
2-Fluorobiphenyl (S)	55	%	23-130		1	09/15/10 13:00	09/16/10 10:20	321-60-8	
Terphenyl-d14 (S)	99	%	58-144		1	09/15/10 13:00	09/16/10 10:20	1718-51-0	
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.41**	ug/L	1.0	0.41	1		09/13/10 11:56	71-43-2	
Bromobenzene	**<0.82**	ug/L	1.0	0.82	1		09/13/10 11:56	108-86-1	
Bromochloromethane	**<0.97**	ug/L	1.0	0.97	1		09/13/10 11:56	74-97-5	
Bromodichloromethane	**<0.56**	ug/L	1.0	0.56	1		09/13/10 11:56	75-27-4	
Bromoform	**<0.94**	ug/L	1.0	0.94	1		09/13/10 11:56	75-25-2	
Bromomethane	**<0.91**	ug/L	1.0	0.91	1		09/13/10 11:56	74-83-9	
n-Butylbenzene	**<0.93**	ug/L	1.0	0.93	1		09/13/10 11:56	104-51-8	
sec-Butylbenzene	**<0.89**	ug/L	5.0	0.89	1		09/13/10 11:56	135-98-8	
tert-Butylbenzene	**<0.97**	ug/L	1.0	0.97	1		09/13/10 11:56	98-06-6	
Carbon tetrachloride	**<0.49**	ug/L	1.0	0.49	1		09/13/10 11:56	56-23-5	
Chlorobenzene	**<0.41**	ug/L	1.0	0.41	1		09/13/10 11:56	108-90-7	
Chloroethane	**<0.97**	ug/L	1.0	0.97	1		09/13/10 11:56	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		09/13/10 11:56	67-66-3	
Chloromethane	**0.67J**	ug/L	1.0	0.24	1		09/13/10 11:56	74-87-3	
2-Chlorotoluene	**<0.85**	ug/L	1.0	0.85	1		09/13/10 11:56	95-49-8	
4-Chlorotoluene	**<0.74**	ug/L	1.0	0.74	1		09/13/10 11:56	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/L	5.0	1.7	1		09/13/10 11:56	96-12-8	
Dibromochloromethane	**<0.81**	ug/L	1.0	0.81	1		09/13/10 11:56	124-48-1	
1,2-Dibromoethane (EDB)	**<0.56**	ug/L	1.0	0.56	1		09/13/10 11:56	106-93-4	
Dibromomethane	**<0.60**	ug/L	1.0	0.60	1		09/13/10 11:56	74-95-3	
1,2-Dichlorobenzene	**<0.83**	ug/L	1.0	0.83	1		09/13/10 11:56	95-50-1	

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ANALYTICAL RESULTS

Project: 0054263 FIRESTONE - MUSKEGO
Pace Project No.: 4036770

Sample: MW-5 **Lab ID: 4036770003** Collected: 09/08/10 15:00 Received: 09/10/10 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,3-Dichlorobenzene	**<0.87**	ug/L	1.0	0.87	1		09/13/10 11:56	541-73-1	
1,4-Dichlorobenzene	**<0.95**	ug/L	1.0	0.95	1		09/13/10 11:56	106-46-7	
Dichlorodifluoromethane	**<0.99**	ug/L	1.0	0.99	1		09/13/10 11:56	75-71-8	
1,1-Dichloroethane	**<0.75**	ug/L	1.0	0.75	1		09/13/10 11:56	75-34-3	
1,2-Dichloroethane	**<0.36**	ug/L	1.0	0.36	1		09/13/10 11:56	107-06-2	
1,1-Dichloroethene	**<0.57**	ug/L	1.0	0.57	1		09/13/10 11:56	75-35-4	
cis-1,2-Dichloroethene	**<0.83**	ug/L	1.0	0.83	1		09/13/10 11:56	156-59-2	
trans-1,2-Dichloroethene	**<0.89**	ug/L	1.0	0.89	1		09/13/10 11:56	156-60-5	
1,2-Dichloropropane	**<0.49**	ug/L	1.0	0.49	1		09/13/10 11:56	78-87-5	
1,3-Dichloropropane	**<0.61**	ug/L	1.0	0.61	1		09/13/10 11:56	142-28-9	
2,2-Dichloropropane	**<0.62**	ug/L	1.0	0.62	1		09/13/10 11:56	594-20-7	
1,1-Dichloropropene	**<0.75**	ug/L	1.0	0.75	1		09/13/10 11:56	563-58-6	
cis-1,3-Dichloropropene	**<0.20**	ug/L	1.0	0.20	1		09/13/10 11:56	10061-01-5	
trans-1,3-Dichloropropene	**<0.19**	ug/L	1.0	0.19	1		09/13/10 11:56	10061-02-6	
Diisopropyl ether	**<0.76**	ug/L	1.0	0.76	1		09/13/10 11:56	108-20-3	
Ethylbenzene	**<0.54**	ug/L	1.0	0.54	1		09/13/10 11:56	100-41-4	
Hexachloro-1,3-butadiene	**<0.67**	ug/L	5.0	0.67	1		09/13/10 11:56	87-68-3	
Isopropylbenzene (Cumene)	**<0.59**	ug/L	1.0	0.59	1		09/13/10 11:56	98-82-8	
p-Isopropyltoluene	**<0.67**	ug/L	1.0	0.67	1		09/13/10 11:56	99-87-6	
Methylene Chloride	**<0.43**	ug/L	1.0	0.43	1		09/13/10 11:56	75-09-2	
Methyl-tert-butyl ether	**<0.61**	ug/L	1.0	0.61	1		09/13/10 11:56	1634-04-4	
Naphthalene	**<0.89**	ug/L	5.0	0.89	1		09/13/10 11:56	91-20-3	
n-Propylbenzene	**<0.81**	ug/L	1.0	0.81	1		09/13/10 11:56	103-65-1	
Styrene	**<0.86**	ug/L	1.0	0.86	1		09/13/10 11:56	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.92**	ug/L	1.0	0.92	1		09/13/10 11:56	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.20**	ug/L	1.0	0.20	1		09/13/10 11:56	79-34-5	
Tetrachloroethene	**<0.45**	ug/L	1.0	0.45	1		09/13/10 11:56	127-18-4	
Toluene	**<0.67**	ug/L	1.0	0.67	1		09/13/10 11:56	108-88-3	
1,2,3-Trichlorobenzene	**<0.74**	ug/L	1.0	0.74	1		09/13/10 11:56	87-61-6	
1,2,4-Trichlorobenzene	**<0.97**	ug/L	1.0	0.97	1		09/13/10 11:56	120-82-1	
1,1,1-Trichloroethane	**<0.90**	ug/L	1.0	0.90	1		09/13/10 11:56	71-55-6	
1,1,2-Trichloroethane	**<0.42**	ug/L	1.0	0.42	1		09/13/10 11:56	79-00-5	
Trichloroethene	**<0.48**	ug/L	1.0	0.48	1		09/13/10 11:56	79-01-6	
Trichlorofluoromethane	**<0.79**	ug/L	1.0	0.79	1		09/13/10 11:56	75-69-4	
1,2,3-Trichloropropane	**<0.99**	ug/L	1.0	0.99	1		09/13/10 11:56	96-18-4	
1,2,4-Trimethylbenzene	**<0.97**	ug/L	1.0	0.97	1		09/13/10 11:56	95-63-6	
1,3,5-Trimethylbenzene	**<0.83**	ug/L	1.0	0.83	1		09/13/10 11:56	108-67-8	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		09/13/10 11:56	75-01-4	
m&p-Xylene	**<1.8**	ug/L	2.0	1.8	1		09/13/10 11:56	179601-23-1	
o-Xylene	**<0.83**	ug/L	1.0	0.83	1		09/13/10 11:56	95-47-6	
4-Bromofluorobenzene (S)	92	%	69-130		1		09/13/10 11:56	460-00-4	
Dibromofluoromethane (S)	102	%	70-134		1		09/13/10 11:56	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		09/13/10 11:56	2037-26-5	

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ANALYTICAL RESULTS

Project: 0054263 FIRESTONE - MUSKEGO
Pace Project No.: 4036770

Sample: MW-11 **Lab ID: 4036770004** Collected: 09/08/10 12:00 Received: 09/10/10 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Lead, Dissolved	**4.6J**	ug/L	7.5	1.7	1		09/13/10 23:47	7439-92-1	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Acenaphthene	**<0.0045**	ug/L	0.047	0.0045	1	09/15/10 13:00	09/16/10 10:37	83-32-9	
Acenaphthylene	**<0.0036**	ug/L	0.047	0.0036	1	09/15/10 13:00	09/16/10 10:37	208-96-8	
Anthracene	**0.0066J**	ug/L	0.047	0.0057	1	09/15/10 13:00	09/16/10 10:37	120-12-7	
Benzo(a)anthracene	**0.012J**	ug/L	0.047	0.0036	1	09/15/10 13:00	09/16/10 10:37	56-55-3	
Benzo(a)pyrene	**0.015J**	ug/L	0.047	0.0029	1	09/15/10 13:00	09/16/10 10:37	50-32-8	
Benzo(b)fluoranthene	**0.013J**	ug/L	0.047	0.0034	1	09/15/10 13:00	09/16/10 10:37	205-99-2	
Benzo(g,h,i)perylene	**0.015J**	ug/L	0.047	0.0048	1	09/15/10 13:00	09/16/10 10:37	191-24-2	
Benzo(k)fluoranthene	**0.017J**	ug/L	0.047	0.0044	1	09/15/10 13:00	09/16/10 10:37	207-08-9	
Chrysene	**0.026J**	ug/L	0.047	0.0035	1	09/15/10 13:00	09/16/10 10:37	218-01-9	
Dibenz(a,h)anthracene	**<0.0032**	ug/L	0.047	0.0032	1	09/15/10 13:00	09/16/10 10:37	53-70-3	
Fluoranthene	**0.030J**	ug/L	0.047	0.0044	1	09/15/10 13:00	09/16/10 10:37	206-44-0	
Fluorene	**<0.0048**	ug/L	0.047	0.0048	1	09/15/10 13:00	09/16/10 10:37	86-73-7	
Indeno(1,2,3-cd)pyrene	**0.0092J**	ug/L	0.047	0.0047	1	09/15/10 13:00	09/16/10 10:37	193-39-5	
1-Methylnaphthalene	**0.014J**	ug/L	0.047	0.0050	1	09/15/10 13:00	09/16/10 10:37	90-12-0	B
2-Methylnaphthalene	**0.029J**	ug/L	0.047	0.0039	1	09/15/10 13:00	09/16/10 10:37	91-57-6	B
Naphthalene	**0.021J**	ug/L	0.047	0.0048	1	09/15/10 13:00	09/16/10 10:37	91-20-3	B
Phenanthrene	**0.025J**	ug/L	0.047	0.0081	1	09/15/10 13:00	09/16/10 10:37	85-01-8	
Pyrene	**0.059**	ug/L	0.047	0.0047	1	09/15/10 13:00	09/16/10 10:37	129-00-0	
2-Fluorobiphenyl (S)	57	%	23-130		1	09/15/10 13:00	09/16/10 10:37	321-60-8	
Terphenyl-d14 (S)	95	%	58-144		1	09/15/10 13:00	09/16/10 10:37	1718-51-0	
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.41**	ug/L	1.0	0.41	1		09/13/10 12:18	71-43-2	
Bromobenzene	**<0.82**	ug/L	1.0	0.82	1		09/13/10 12:18	108-86-1	
Bromochloromethane	**<0.97**	ug/L	1.0	0.97	1		09/13/10 12:18	74-97-5	
Bromodichloromethane	**<0.56**	ug/L	1.0	0.56	1		09/13/10 12:18	75-27-4	
Bromoform	**<0.94**	ug/L	1.0	0.94	1		09/13/10 12:18	75-25-2	
Bromomethane	**<0.91**	ug/L	1.0	0.91	1		09/13/10 12:18	74-83-9	
n-Butylbenzene	**<0.93**	ug/L	1.0	0.93	1		09/13/10 12:18	104-51-8	
sec-Butylbenzene	**<0.89**	ug/L	5.0	0.89	1		09/13/10 12:18	135-98-8	
tert-Butylbenzene	**<0.97**	ug/L	1.0	0.97	1		09/13/10 12:18	98-06-6	
Carbon tetrachloride	**<0.49**	ug/L	1.0	0.49	1		09/13/10 12:18	56-23-5	
Chlorobenzene	**<0.41**	ug/L	1.0	0.41	1		09/13/10 12:18	108-90-7	
Chloroethane	**<0.97**	ug/L	1.0	0.97	1		09/13/10 12:18	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		09/13/10 12:18	67-66-3	
Chloromethane	**<0.24**	ug/L	1.0	0.24	1		09/13/10 12:18	74-87-3	
2-Chlorotoluene	**<0.85**	ug/L	1.0	0.85	1		09/13/10 12:18	95-49-8	
4-Chlorotoluene	**<0.74**	ug/L	1.0	0.74	1		09/13/10 12:18	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/L	5.0	1.7	1		09/13/10 12:18	96-12-8	
Dibromochloromethane	**<0.81**	ug/L	1.0	0.81	1		09/13/10 12:18	124-48-1	
1,2-Dibromoethane (EDB)	**<0.56**	ug/L	1.0	0.56	1		09/13/10 12:18	106-93-4	
Dibromomethane	**<0.60**	ug/L	1.0	0.60	1		09/13/10 12:18	74-95-3	
1,2-Dichlorobenzene	**<0.83**	ug/L	1.0	0.83	1		09/13/10 12:18	95-50-1	

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ANALYTICAL RESULTS

Project: 0054263 FIRESTONE - MUSKEGO
Pace Project No.: 4036770

Sample: MW-11 **Lab ID: 4036770004** Collected: 09/08/10 12:00 Received: 09/10/10 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,3-Dichlorobenzene	**<0.87**	ug/L	1.0	0.87	1		09/13/10 12:18	541-73-1	
1,4-Dichlorobenzene	**<0.95**	ug/L	1.0	0.95	1		09/13/10 12:18	106-46-7	
Dichlorodifluoromethane	**<0.99**	ug/L	1.0	0.99	1		09/13/10 12:18	75-71-8	
1,1-Dichloroethane	**<0.75**	ug/L	1.0	0.75	1		09/13/10 12:18	75-34-3	
1,2-Dichloroethane	**<0.36**	ug/L	1.0	0.36	1		09/13/10 12:18	107-06-2	
1,1-Dichloroethene	**<0.57**	ug/L	1.0	0.57	1		09/13/10 12:18	75-35-4	
cis-1,2-Dichloroethene	**<0.83**	ug/L	1.0	0.83	1		09/13/10 12:18	156-59-2	
trans-1,2-Dichloroethene	**<0.89**	ug/L	1.0	0.89	1		09/13/10 12:18	156-60-5	
1,2-Dichloropropane	**<0.49**	ug/L	1.0	0.49	1		09/13/10 12:18	78-87-5	
1,3-Dichloropropane	**<0.61**	ug/L	1.0	0.61	1		09/13/10 12:18	142-28-9	
2,2-Dichloropropane	**<0.62**	ug/L	1.0	0.62	1		09/13/10 12:18	594-20-7	
1,1-Dichloropropene	**<0.75**	ug/L	1.0	0.75	1		09/13/10 12:18	563-58-6	
cis-1,3-Dichloropropene	**<0.20**	ug/L	1.0	0.20	1		09/13/10 12:18	10061-01-5	
trans-1,3-Dichloropropene	**<0.19**	ug/L	1.0	0.19	1		09/13/10 12:18	10061-02-6	
Diisopropyl ether	**<0.76**	ug/L	1.0	0.76	1		09/13/10 12:18	108-20-3	
Ethylbenzene	**<0.54**	ug/L	1.0	0.54	1		09/13/10 12:18	100-41-4	
Hexachloro-1,3-butadiene	**<0.67**	ug/L	5.0	0.67	1		09/13/10 12:18	87-68-3	
Isopropylbenzene (Cumene)	**<0.59**	ug/L	1.0	0.59	1		09/13/10 12:18	98-82-8	
p-Isopropyltoluene	**<0.67**	ug/L	1.0	0.67	1		09/13/10 12:18	99-87-6	
Methylene Chloride	**<0.43**	ug/L	1.0	0.43	1		09/13/10 12:18	75-09-2	
Methyl-tert-butyl ether	**<0.61**	ug/L	1.0	0.61	1		09/13/10 12:18	1634-04-4	
Naphthalene	**<0.89**	ug/L	5.0	0.89	1		09/13/10 12:18	91-20-3	
n-Propylbenzene	**<0.81**	ug/L	1.0	0.81	1		09/13/10 12:18	103-65-1	
Styrene	**<0.86**	ug/L	1.0	0.86	1		09/13/10 12:18	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.92**	ug/L	1.0	0.92	1		09/13/10 12:18	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.20**	ug/L	1.0	0.20	1		09/13/10 12:18	79-34-5	
Tetrachloroethene	**<0.45**	ug/L	1.0	0.45	1		09/13/10 12:18	127-18-4	
Toluene	**<0.67**	ug/L	1.0	0.67	1		09/13/10 12:18	108-88-3	
1,2,3-Trichlorobenzene	**<0.74**	ug/L	1.0	0.74	1		09/13/10 12:18	87-61-6	
1,2,4-Trichlorobenzene	**<0.97**	ug/L	1.0	0.97	1		09/13/10 12:18	120-82-1	
1,1,1-Trichloroethane	**<0.90**	ug/L	1.0	0.90	1		09/13/10 12:18	71-55-6	
1,1,2-Trichloroethane	**<0.42**	ug/L	1.0	0.42	1		09/13/10 12:18	79-00-5	
Trichloroethene	**<0.48**	ug/L	1.0	0.48	1		09/13/10 12:18	79-01-6	
Trichlorofluoromethane	**<0.79**	ug/L	1.0	0.79	1		09/13/10 12:18	75-69-4	
1,2,3-Trichloropropane	**<0.99**	ug/L	1.0	0.99	1		09/13/10 12:18	96-18-4	
1,2,4-Trimethylbenzene	**<0.97**	ug/L	1.0	0.97	1		09/13/10 12:18	95-63-6	
1,3,5-Trimethylbenzene	**<0.83**	ug/L	1.0	0.83	1		09/13/10 12:18	108-67-8	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		09/13/10 12:18	75-01-4	
m&p-Xylene	**<1.8**	ug/L	2.0	1.8	1		09/13/10 12:18	179601-23-1	
o-Xylene	**<0.83**	ug/L	1.0	0.83	1		09/13/10 12:18	95-47-6	
4-Bromofluorobenzene (S)	89	%	69-130		1		09/13/10 12:18	460-00-4	
Dibromofluoromethane (S)	102	%	70-134		1		09/13/10 12:18	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		09/13/10 12:18	2037-26-5	

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ANALYTICAL RESULTS

Project: 0054263 FIRESTONE - MUSKEGO
Pace Project No.: 4036770

Sample: MW-12 **Lab ID: 4036770005** Collected: 09/08/10 11:00 Received: 09/10/10 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Lead, Dissolved	**4.3J**	ug/L	7.5	1.7	1		09/13/10 23:51	7439-92-1	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Acenaphthene	**<0.0045**	ug/L	0.047	0.0045	1	09/15/10 13:00	09/16/10 10:55	83-32-9	
Acenaphthylene	**<0.0036**	ug/L	0.047	0.0036	1	09/15/10 13:00	09/16/10 10:55	208-96-8	
Anthracene	**0.0059J**	ug/L	0.047	0.0057	1	09/15/10 13:00	09/16/10 10:55	120-12-7	
Benzo(a)anthracene	**0.0038J**	ug/L	0.047	0.0036	1	09/15/10 13:00	09/16/10 10:55	56-55-3	
Benzo(a)pyrene	**0.0030J**	ug/L	0.047	0.0029	1	09/15/10 13:00	09/16/10 10:55	50-32-8	
Benzo(b)fluoranthene	**0.0042J**	ug/L	0.047	0.0034	1	09/15/10 13:00	09/16/10 10:55	205-99-2	
Benzo(g,h,i)perylene	**0.0094J**	ug/L	0.047	0.0048	1	09/15/10 13:00	09/16/10 10:55	191-24-2	
Benzo(k)fluoranthene	**<0.0044**	ug/L	0.047	0.0044	1	09/15/10 13:00	09/16/10 10:55	207-08-9	
Chrysene	**0.018J**	ug/L	0.047	0.0035	1	09/15/10 13:00	09/16/10 10:55	218-01-9	
Dibenz(a,h)anthracene	**<0.0032**	ug/L	0.047	0.0032	1	09/15/10 13:00	09/16/10 10:55	53-70-3	
Fluoranthene	**0.0093J**	ug/L	0.047	0.0044	1	09/15/10 13:00	09/16/10 10:55	206-44-0	
Fluorene	**0.0065J**	ug/L	0.047	0.0048	1	09/15/10 13:00	09/16/10 10:55	86-73-7	
Indeno(1,2,3-cd)pyrene	**<0.0047**	ug/L	0.047	0.0047	1	09/15/10 13:00	09/16/10 10:55	193-39-5	
1-Methylnaphthalene	**0.044J**	ug/L	0.047	0.0050	1	09/15/10 13:00	09/16/10 10:55	90-12-0	B
2-Methylnaphthalene	**0.073**	ug/L	0.047	0.0039	1	09/15/10 13:00	09/16/10 10:55	91-57-6	B
Naphthalene	**0.043J**	ug/L	0.047	0.0048	1	09/15/10 13:00	09/16/10 10:55	91-20-3	B
Phenanthrene	**0.034J**	ug/L	0.047	0.0081	1	09/15/10 13:00	09/16/10 10:55	85-01-8	
Pyrene	**0.050**	ug/L	0.047	0.0047	1	09/15/10 13:00	09/16/10 10:55	129-00-0	
2-Fluorobiphenyl (S)	59	%	23-130		1	09/15/10 13:00	09/16/10 10:55	321-60-8	
Terphenyl-d14 (S)	91	%	58-144		1	09/15/10 13:00	09/16/10 10:55	1718-51-0	
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.41**	ug/L	1.0	0.41	1		09/13/10 12:41	71-43-2	
Bromobenzene	**<0.82**	ug/L	1.0	0.82	1		09/13/10 12:41	108-86-1	
Bromochloromethane	**<0.97**	ug/L	1.0	0.97	1		09/13/10 12:41	74-97-5	
Bromodichloromethane	**<0.56**	ug/L	1.0	0.56	1		09/13/10 12:41	75-27-4	
Bromoform	**<0.94**	ug/L	1.0	0.94	1		09/13/10 12:41	75-25-2	
Bromomethane	**<0.91**	ug/L	1.0	0.91	1		09/13/10 12:41	74-83-9	
n-Butylbenzene	**<0.93**	ug/L	1.0	0.93	1		09/13/10 12:41	104-51-8	
sec-Butylbenzene	**<0.89**	ug/L	5.0	0.89	1		09/13/10 12:41	135-98-8	
tert-Butylbenzene	**<0.97**	ug/L	1.0	0.97	1		09/13/10 12:41	98-06-6	
Carbon tetrachloride	**<0.49**	ug/L	1.0	0.49	1		09/13/10 12:41	56-23-5	
Chlorobenzene	**<0.41**	ug/L	1.0	0.41	1		09/13/10 12:41	108-90-7	
Chloroethane	**<0.97**	ug/L	1.0	0.97	1		09/13/10 12:41	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		09/13/10 12:41	67-66-3	
Chloromethane	**0.86J**	ug/L	1.0	0.24	1		09/13/10 12:41	74-87-3	
2-Chlorotoluene	**<0.85**	ug/L	1.0	0.85	1		09/13/10 12:41	95-49-8	
4-Chlorotoluene	**<0.74**	ug/L	1.0	0.74	1		09/13/10 12:41	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/L	5.0	1.7	1		09/13/10 12:41	96-12-8	
Dibromochloromethane	**<0.81**	ug/L	1.0	0.81	1		09/13/10 12:41	124-48-1	
1,2-Dibromoethane (EDB)	**<0.56**	ug/L	1.0	0.56	1		09/13/10 12:41	106-93-4	
Dibromomethane	**<0.60**	ug/L	1.0	0.60	1		09/13/10 12:41	74-95-3	
1,2-Dichlorobenzene	**<0.83**	ug/L	1.0	0.83	1		09/13/10 12:41	95-50-1	

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ANALYTICAL RESULTS

Project: 0054263 FIRESTONE - MUSKEGO
Pace Project No.: 4036770

Sample: MW-12 **Lab ID: 4036770005** Collected: 09/08/10 11:00 Received: 09/10/10 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,3-Dichlorobenzene	**<0.87**	ug/L	1.0	0.87	1		09/13/10 12:41	541-73-1	
1,4-Dichlorobenzene	**<0.95**	ug/L	1.0	0.95	1		09/13/10 12:41	106-46-7	
Dichlorodifluoromethane	**<0.99**	ug/L	1.0	0.99	1		09/13/10 12:41	75-71-8	
1,1-Dichloroethane	**<0.75**	ug/L	1.0	0.75	1		09/13/10 12:41	75-34-3	
1,2-Dichloroethane	**<0.36**	ug/L	1.0	0.36	1		09/13/10 12:41	107-06-2	
1,1-Dichloroethene	**<0.57**	ug/L	1.0	0.57	1		09/13/10 12:41	75-35-4	
cis-1,2-Dichloroethene	**<0.83**	ug/L	1.0	0.83	1		09/13/10 12:41	156-59-2	
trans-1,2-Dichloroethene	**<0.89**	ug/L	1.0	0.89	1		09/13/10 12:41	156-60-5	
1,2-Dichloropropane	**<0.49**	ug/L	1.0	0.49	1		09/13/10 12:41	78-87-5	
1,3-Dichloropropane	**<0.61**	ug/L	1.0	0.61	1		09/13/10 12:41	142-28-9	
2,2-Dichloropropane	**<0.62**	ug/L	1.0	0.62	1		09/13/10 12:41	594-20-7	
1,1-Dichloropropene	**<0.75**	ug/L	1.0	0.75	1		09/13/10 12:41	563-58-6	
cis-1,3-Dichloropropene	**<0.20**	ug/L	1.0	0.20	1		09/13/10 12:41	10061-01-5	
trans-1,3-Dichloropropene	**<0.19**	ug/L	1.0	0.19	1		09/13/10 12:41	10061-02-6	
Diisopropyl ether	**<0.76**	ug/L	1.0	0.76	1		09/13/10 12:41	108-20-3	
Ethylbenzene	**<0.54**	ug/L	1.0	0.54	1		09/13/10 12:41	100-41-4	
Hexachloro-1,3-butadiene	**<0.67**	ug/L	5.0	0.67	1		09/13/10 12:41	87-68-3	
Isopropylbenzene (Cumene)	**<0.59**	ug/L	1.0	0.59	1		09/13/10 12:41	98-82-8	
p-Isopropyltoluene	**<0.67**	ug/L	1.0	0.67	1		09/13/10 12:41	99-87-6	
Methylene Chloride	**<0.43**	ug/L	1.0	0.43	1		09/13/10 12:41	75-09-2	
Methyl-tert-butyl ether	**<0.61**	ug/L	1.0	0.61	1		09/13/10 12:41	1634-04-4	
Naphthalene	**<0.89**	ug/L	5.0	0.89	1		09/13/10 12:41	91-20-3	
n-Propylbenzene	**<0.81**	ug/L	1.0	0.81	1		09/13/10 12:41	103-65-1	
Styrene	**<0.86**	ug/L	1.0	0.86	1		09/13/10 12:41	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.92**	ug/L	1.0	0.92	1		09/13/10 12:41	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.20**	ug/L	1.0	0.20	1		09/13/10 12:41	79-34-5	
Tetrachloroethene	**<0.45**	ug/L	1.0	0.45	1		09/13/10 12:41	127-18-4	
Toluene	**<0.67**	ug/L	1.0	0.67	1		09/13/10 12:41	108-88-3	
1,2,3-Trichlorobenzene	**<0.74**	ug/L	1.0	0.74	1		09/13/10 12:41	87-61-6	
1,2,4-Trichlorobenzene	**<0.97**	ug/L	1.0	0.97	1		09/13/10 12:41	120-82-1	
1,1,1-Trichloroethane	**<0.90**	ug/L	1.0	0.90	1		09/13/10 12:41	71-55-6	
1,1,2-Trichloroethane	**<0.42**	ug/L	1.0	0.42	1		09/13/10 12:41	79-00-5	
Trichloroethene	**<0.48**	ug/L	1.0	0.48	1		09/13/10 12:41	79-01-6	
Trichlorofluoromethane	**<0.79**	ug/L	1.0	0.79	1		09/13/10 12:41	75-69-4	
1,2,3-Trichloropropane	**<0.99**	ug/L	1.0	0.99	1		09/13/10 12:41	96-18-4	
1,2,4-Trimethylbenzene	**<0.97**	ug/L	1.0	0.97	1		09/13/10 12:41	95-63-6	
1,3,5-Trimethylbenzene	**<0.83**	ug/L	1.0	0.83	1		09/13/10 12:41	108-67-8	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		09/13/10 12:41	75-01-4	
m&p-Xylene	**<1.8**	ug/L	2.0	1.8	1		09/13/10 12:41	179601-23-1	
o-Xylene	**<0.83**	ug/L	1.0	0.83	1		09/13/10 12:41	95-47-6	
4-Bromofluorobenzene (S)	90	%	69-130		1		09/13/10 12:41	460-00-4	
Dibromofluoromethane (S)	102	%	70-134		1		09/13/10 12:41	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		09/13/10 12:41	2037-26-5	

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QUALITY CONTROL DATA

Project: 0054263 FIRESTONE - MUSKEGO
Pace Project No.: 4036770

QC Batch: ICP/3849 Analysis Method: EPA 6010
QC Batch Method: EPA 6010 Analysis Description: ICP Metals, Trace, Dissolved
Associated Lab Samples: 4036770001, 4036770002, 4036770003, 4036770004, 4036770005

METHOD BLANK: 353760 Matrix: Water
Associated Lab Samples: 4036770001, 4036770002, 4036770003, 4036770004, 4036770005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead, Dissolved	ug/L	<1.7	7.5	09/13/10 22:55	

LABORATORY CONTROL SAMPLE: 353761

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead, Dissolved	ug/L	500	483	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 353762 353763

Parameter	Units	4036809001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead, Dissolved	ug/L	4.8J	500	500	495	486	98	96	75-125	2	20	

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QUALITY CONTROL DATA

Project: 0054263 FIRESTONE - MUSKEGO
Pace Project No.: 4036770

QC Batch: OEXT/8810 | Analysis Method: EPA 8270 by SIM
QC Batch Method: EPA 3510 | Analysis Description: 8270 Water PAH by SIM MSSV
Associated Lab Samples: 4036770001, 4036770002, 4036770003, 4036770004, 4036770005

METHOD BLANK: 354598 | Matrix: Water
Associated Lab Samples: 4036770001, 4036770002, 4036770003, 4036770004, 4036770005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/L	0.014J	0.050	09/16/10 07:59	
2-Methylnaphthalene	ug/L	0.0075J	0.050	09/16/10 07:59	
Acenaphthene	ug/L	0.0094J	0.050	09/16/10 07:59	
Acenaphthylene	ug/L	<0.0038	0.050	09/16/10 07:59	
Anthracene	ug/L	<0.0061	0.050	09/16/10 07:59	
Benzo(a)anthracene	ug/L	<0.0038	0.050	09/16/10 07:59	
Benzo(a)pyrene	ug/L	<0.0030	0.050	09/16/10 07:59	
Benzo(b)fluoranthene	ug/L	<0.0036	0.050	09/16/10 07:59	
Benzo(g,h,i)perylene	ug/L	<0.0051	0.050	09/16/10 07:59	
Benzo(k)fluoranthene	ug/L	<0.0046	0.050	09/16/10 07:59	
Chrysene	ug/L	<0.0037	0.050	09/16/10 07:59	
Dibenz(a,h)anthracene	ug/L	<0.0034	0.050	09/16/10 07:59	
Fluoranthene	ug/L	<0.0047	0.050	09/16/10 07:59	
Fluorene	ug/L	<0.0051	0.050	09/16/10 07:59	
Indeno(1,2,3-cd)pyrene	ug/L	<0.0050	0.050	09/16/10 07:59	
Naphthalene	ug/L	0.17	0.050	09/16/10 07:59	
Phenanthrene	ug/L	<0.0086	0.050	09/16/10 07:59	
Pyrene	ug/L	<0.0050	0.050	09/16/10 07:59	
2-Fluorobiphenyl (S)	%	48	23-130	09/16/10 07:59	
Terphenyl-d14 (S)	%	157	58-144	09/16/10 07:59	S0

LABORATORY CONTROL SAMPLE: 354599

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/L	.2	0.090	45	27-130	
2-Methylnaphthalene	ug/L	.2	0.085	42	27-130	
Acenaphthene	ug/L	.2	0.093	47	32-130	
Acenaphthylene	ug/L	.2	0.086	43	32-130	
Anthracene	ug/L	.2	0.11	55	27-130	
Benzo(a)anthracene	ug/L	.2	0.16	81	43-130	
Benzo(a)pyrene	ug/L	.2	0.17	84	57-130	
Benzo(b)fluoranthene	ug/L	.2	0.16	82	42-130	
Benzo(g,h,i)perylene	ug/L	.2	0.21	103	55-130	
Benzo(k)fluoranthene	ug/L	.2	0.24	121	66-138	
Chrysene	ug/L	.2	0.18	92	68-130	
Dibenz(a,h)anthracene	ug/L	.2	0.20	100	35-130	
Fluoranthene	ug/L	.2	0.11	57	44-130	
Fluorene	ug/L	.2	0.092	46	31-130	
Indeno(1,2,3-cd)pyrene	ug/L	.2	0.20	101	46-130	
Naphthalene	ug/L	.2	0.15	76	27-130	
Phenanthrene	ug/L	.2	0.097	49	30-130	

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QUALITY CONTROL DATA

Project: 0054263 FIRESTONE - MUSKEGO
Pace Project No.: 4036770

LABORATORY CONTROL SAMPLE: 354599

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Pyrene	ug/L	.2	0.12	59	40-130	
2-Fluorobiphenyl (S)	%			41	23-130	
Terphenyl-d14 (S)	%			74	58-144	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 354600 354601

Parameter	Units	4036901002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1-Methylnaphthalene	ug/L	114J	.4	.4	100J	88.0J	-3530	-6530	11-130		50	M6
2-Methylnaphthalene	ug/L	53.6	.4	.4	46.0J	39.0J	-1900	-3650	10-130		50	M6
Acenaphthene	ug/L	115J	.4	.4	102J	112J	-3430	-929	16-130		42	M6
Acenaphthylene	ug/L	1.5J	.4	.4	<19.1	<19.1	-372	-372	10-130		41	M6
Anthracene	ug/L	16.4	.4	.4	<30.4	<30.4	647	2770	10-130		39	M6
Benzo(a)anthracene	ug/L	<0.42	.4	.4	<19.2	<19.2	0	0	54-130		20	M6
Benzo(a)pyrene	ug/L	<0.33	.4	.4	<15.2	<15.2	0	0	55-130		20	M6
Benzo(b)fluoranthene	ug/L	<0.39	.4	.4	<18.0	<18.0	0	0	48-130		23	M6
Benzo(g,h,i)perylene	ug/L	<0.55	.4	.4	<25.5	<25.5	0	0	53-130		21	M6
Benzo(k)fluoranthene	ug/L	<0.50	.4	.4	<23.2	<23.2	0	0	53-135		20	M6
Chrysene	ug/L	<0.40	.4	.4	<18.4	<18.4	0	0	60-130		20	M6
Dibenz(a,h)anthracene	ug/L	<0.37	.4	.4	<17.0	<17.0	0	0	49-130		20	M6
Fluoranthene	ug/L	7.2	.4	.4	<23.4	<23.4	-1810	-1810	34-130		33	M6
Fluorene	ug/L	61.7	.4	.4	45.0J	50.0J	-4170	-2920	10-130		44	M6
Indeno(1,2,3-cd)pyrene	ug/L	<0.54	.4	.4	<24.8	<24.8	0	0	50-130		20	M6
Naphthalene	ug/L	1420	.4	.4	1310	1080	-26200	-85300	10-130	20	50	M6
Phenanthrene	ug/L	61.4	.4	.4	44.5J	48.5J	-4230	-3230	12-130		40	M6
Pyrene	ug/L	3.6J	.4	.4	<25.2	<25.2	-905	-905	41-130		29	M6
2-Fluorobiphenyl (S)	%						0	0	23-130			S4
Terphenyl-d14 (S)	%						0	0	58-144			S4

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QUALITY CONTROL DATA

Project: 0054263 FIRESTONE - MUSKEGO
Pace Project No.: 4036770

QC Batch: MSV/8976 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 4036770001, 4036770002, 4036770003, 4036770004, 4036770005

METHOD BLANK: 353379 Matrix: Water
Associated Lab Samples: 4036770001, 4036770002, 4036770003, 4036770004, 4036770005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.92	1.0	09/13/10 07:06	
1,1,1-Trichloroethane	ug/L	<0.90	1.0	09/13/10 07:06	
1,1,2,2-Tetrachloroethane	ug/L	<0.20	1.0	09/13/10 07:06	
1,1,2-Trichloroethane	ug/L	<0.42	1.0	09/13/10 07:06	
1,1-Dichloroethane	ug/L	<0.75	1.0	09/13/10 07:06	
1,1-Dichloroethene	ug/L	<0.57	1.0	09/13/10 07:06	
1,1-Dichloropropene	ug/L	<0.75	1.0	09/13/10 07:06	
1,2,3-Trichlorobenzene	ug/L	<0.74	1.0	09/13/10 07:06	
1,2,3-Trichloropropane	ug/L	<0.99	1.0	09/13/10 07:06	
1,2,4-Trichlorobenzene	ug/L	<0.97	1.0	09/13/10 07:06	
1,2,4-Trimethylbenzene	ug/L	<0.97	1.0	09/13/10 07:06	
1,2-Dibromo-3-chloropropane	ug/L	<1.7	5.0	09/13/10 07:06	
1,2-Dibromoethane (EDB)	ug/L	<0.56	1.0	09/13/10 07:06	
1,2-Dichlorobenzene	ug/L	<0.83	1.0	09/13/10 07:06	
1,2-Dichloroethane	ug/L	<0.36	1.0	09/13/10 07:06	
1,2-Dichloropropane	ug/L	<0.49	1.0	09/13/10 07:06	
1,3,5-Trimethylbenzene	ug/L	<0.83	1.0	09/13/10 07:06	
1,3-Dichlorobenzene	ug/L	<0.87	1.0	09/13/10 07:06	
1,3-Dichloropropane	ug/L	<0.61	1.0	09/13/10 07:06	
1,4-Dichlorobenzene	ug/L	<0.95	1.0	09/13/10 07:06	
2,2-Dichloropropane	ug/L	<0.62	1.0	09/13/10 07:06	
2-Chlorotoluene	ug/L	<0.85	1.0	09/13/10 07:06	
4-Chlorotoluene	ug/L	<0.74	1.0	09/13/10 07:06	
Benzene	ug/L	<0.41	1.0	09/13/10 07:06	
Bromobenzene	ug/L	<0.82	1.0	09/13/10 07:06	
Bromochloromethane	ug/L	<0.97	1.0	09/13/10 07:06	
Bromodichloromethane	ug/L	<0.56	1.0	09/13/10 07:06	
Bromoform	ug/L	<0.94	1.0	09/13/10 07:06	
Bromomethane	ug/L	<0.91	1.0	09/13/10 07:06	
Carbon tetrachloride	ug/L	<0.49	1.0	09/13/10 07:06	
Chlorobenzene	ug/L	<0.41	1.0	09/13/10 07:06	
Chloroethane	ug/L	<0.97	1.0	09/13/10 07:06	
Chloroform	ug/L	<1.3	5.0	09/13/10 07:06	
Chloromethane	ug/L	<0.24	1.0	09/13/10 07:06	
cis-1,2-Dichloroethene	ug/L	<0.83	1.0	09/13/10 07:06	
cis-1,3-Dichloropropene	ug/L	<0.20	1.0	09/13/10 07:06	
Dibromochloromethane	ug/L	<0.81	1.0	09/13/10 07:06	
Dibromomethane	ug/L	<0.60	1.0	09/13/10 07:06	
Dichlorodifluoromethane	ug/L	<0.99	1.0	09/13/10 07:06	
Diisopropyl ether	ug/L	<0.76	1.0	09/13/10 07:06	
Ethylbenzene	ug/L	<0.54	1.0	09/13/10 07:06	
Hexachloro-1,3-butadiene	ug/L	<0.67	5.0	09/13/10 07:06	
Isopropylbenzene (Cumene)	ug/L	<0.59	1.0	09/13/10 07:06	

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Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 0054263 FIRESTONE - MUSKEGO
Pace Project No.: 4036770

METHOD BLANK: 353379 Matrix: Water

Associated Lab Samples: 4036770001, 4036770002, 4036770003, 4036770004, 4036770005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
m&p-Xylene	ug/L	<1.8	2.0	09/13/10 07:06	
Methyl-tert-butyl ether	ug/L	<0.61	1.0	09/13/10 07:06	
Methylene Chloride	ug/L	<0.43	1.0	09/13/10 07:06	
n-Butylbenzene	ug/L	<0.93	1.0	09/13/10 07:06	
n-Propylbenzene	ug/L	<0.81	1.0	09/13/10 07:06	
Naphthalene	ug/L	<0.89	5.0	09/13/10 07:06	
o-Xylene	ug/L	<0.83	1.0	09/13/10 07:06	
p-Isopropyltoluene	ug/L	<0.67	1.0	09/13/10 07:06	
sec-Butylbenzene	ug/L	<0.89	5.0	09/13/10 07:06	
Styrene	ug/L	<0.86	1.0	09/13/10 07:06	
tert-Butylbenzene	ug/L	<0.97	1.0	09/13/10 07:06	
Tetrachloroethene	ug/L	<0.45	1.0	09/13/10 07:06	
Toluene	ug/L	<0.67	1.0	09/13/10 07:06	
trans-1,2-Dichloroethene	ug/L	<0.89	1.0	09/13/10 07:06	
trans-1,3-Dichloropropene	ug/L	<0.19	1.0	09/13/10 07:06	
Trichloroethene	ug/L	<0.48	1.0	09/13/10 07:06	
Trichlorofluoromethane	ug/L	<0.79	1.0	09/13/10 07:06	
Vinyl chloride	ug/L	<0.18	1.0	09/13/10 07:06	
4-Bromofluorobenzene (S)	%	92	69-130	09/13/10 07:06	
Dibromofluoromethane (S)	%	99	70-134	09/13/10 07:06	
Toluene-d8 (S)	%	99	70-130	09/13/10 07:06	

LABORATORY CONTROL SAMPLE & LCSD: 353380 353381

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/L	50	54.7	57.0	109	114	70-132	4	20	
1,1,2,2-Tetrachloroethane	ug/L	50	46.3	48.5	93	97	63-130	5	20	
1,1,2-Trichloroethane	ug/L	50	50.0	51.7	100	103	70-130	3	20	
1,1-Dichloroethane	ug/L	50	51.4	52.2	103	104	70-132	2	20	
1,1-Dichloroethene	ug/L	50	50.5	53.5	101	107	70-137	6	20	
1,2-Dichloroethane	ug/L	50	51.7	53.1	103	106	70-130	3	20	
1,2-Dichloropropane	ug/L	50	49.1	50.0	98	100	70-130	2	20	
Benzene	ug/L	50	51.0	52.5	102	105	70-130	3	20	
Bromodichloromethane	ug/L	50	53.8	55.3	108	111	70-131	3	20	
Bromoform	ug/L	50	45.8	47.1	92	94	70-130	3	20	
Bromomethane	ug/L	50	39.0	44.4	78	89	53-160	13	20	
Carbon tetrachloride	ug/L	50	60.7	62.9	121	126	70-130	4	20	
Chlorobenzene	ug/L	50	54.0	55.1	108	110	70-130	2	20	
Chloroethane	ug/L	50	45.4	47.3	91	95	70-147	4	20	
Chloroform	ug/L	50	52.6	54.1	105	108	70-130	3	20	
Chloromethane	ug/L	50	31.2	31.6	62	63	41-137	1	20	
cis-1,2-Dichloroethene	ug/L	50	50.3	53.0	101	106	70-130	5	20	
cis-1,3-Dichloropropene	ug/L	50	48.8	50.1	98	100	70-130	3	20	
Dibromochloromethane	ug/L	50	56.0	58.9	112	118	70-130	5	20	
Ethylbenzene	ug/L	50	53.6	54.6	107	109	70-130	2	20	

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(920)469-2436

QUALITY CONTROL DATA

Project: 0054263 FIRESTONE - MUSKEGO
Pace Project No.: 4036770

LABORATORY CONTROL SAMPLE & LCSD: 353380 353381

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
m&p-Xylene	ug/L	100	109	112	109	112	70-130	3	20	
Methylene Chloride	ug/L	50	48.2	50.0	96	100	70-130	4	20	
o-Xylene	ug/L	50	55.1	55.4	110	111	70-130	.5	20	
Styrene	ug/L	50	54.1	54.9	108	110	70-130	1	20	
Tetrachloroethene	ug/L	50	54.1	54.9	108	110	70-130	1	20	
Toluene	ug/L	50	54.2	55.2	108	110	70-130	2	20	
trans-1,2-Dichloroethene	ug/L	50	59.6	59.1	119	118	70-130	.7	20	
trans-1,3-Dichloropropene	ug/L	50	43.7	45.1	87	90	70-130	3	20	
Trichloroethene	ug/L	50	54.7	55.1	109	110	70-130	.7	20	
Vinyl chloride	ug/L	50	36.6	37.7	73	75	47-131	3	20	
4-Bromofluorobenzene (S)	%				94	95	69-130			
Dibromofluoromethane (S)	%				97	98	70-134			
Toluene-d8 (S)	%				100	101	70-130			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 353401 353402

Parameter	Units	4036770002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	<0.90	50	50	55.9	56.9	112	114	70-132	2	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.20	50	50	49.5	48.3	99	97	61-130	2	20	
1,1,2-Trichloroethane	ug/L	<0.42	50	50	50.8	51.7	102	103	70-130	2	20	
1,1-Dichloroethane	ug/L	<0.75	50	50	52.5	52.6	105	105	70-132	.05	20	
1,1-Dichloroethene	ug/L	<0.57	50	50	51.2	51.8	102	104	70-137	1	20	
1,2-Dichloroethane	ug/L	<0.36	50	50	53.4	54.4	107	109	70-133	2	20	
1,2-Dichloropropane	ug/L	<0.49	50	50	49.6	50.3	99	101	70-130	1	20	
Benzene	ug/L	<0.41	50	50	51.4	52.1	103	104	70-130	1	20	
Bromodichloromethane	ug/L	<0.56	50	50	55.4	55.6	111	111	70-131	.2	20	
Bromoform	ug/L	<0.94	50	50	47.7	47.7	95	95	68-130	.1	20	
Bromomethane	ug/L	<0.91	50	50	43.7	44.3	87	89	47-177	1	20	
Carbon tetrachloride	ug/L	<0.49	50	50	61.5	62.6	123	125	70-149	2	20	
Chlorobenzene	ug/L	<0.41	50	50	54.2	54.0	108	108	70-130	.3	20	
Chloroethane	ug/L	<0.97	50	50	44.8	45.1	90	90	66-147	.5	20	
Chloroform	ug/L	<1.3	50	50	53.8	54.2	108	108	70-130	.7	20	
Chloromethane	ug/L	0.71J	50	50	29.1	31.0	57	61	41-137	6	20	
cis-1,2-Dichloroethene	ug/L	<0.83	50	50	51.4	52.0	103	104	70-130	1	20	
cis-1,3-Dichloropropene	ug/L	<0.20	50	50	50.1	50.3	100	101	70-130	.4	20	
Dibromochloromethane	ug/L	<0.81	50	50	57.8	58.8	116	118	70-130	2	20	
Ethylbenzene	ug/L	<0.54	50	50	53.3	53.8	107	108	70-130	1	20	
m&p-Xylene	ug/L	<1.8	100	100	108	109	108	109	70-130	.9	20	
Methylene Chloride	ug/L	<0.43	50	50	49.6	49.8	99	100	70-130	.4	20	
o-Xylene	ug/L	<0.83	50	50	54.4	53.9	109	108	70-130	.9	20	
Styrene	ug/L	<0.86	50	50	53.5	53.1	107	106	13-149	.8	20	
Tetrachloroethene	ug/L	<0.45	50	50	53.0	53.5	106	107	70-130	1	20	
Toluene	ug/L	<0.67	50	50	54.1	54.8	108	110	70-130	1	20	
trans-1,2-Dichloroethene	ug/L	<0.89	50	50	57.4	60.3	115	121	70-130	5	20	
trans-1,3-Dichloropropene	ug/L	<0.19	50	50	44.7	45.4	89	91	70-130	2	20	
Trichloroethene	ug/L	<0.48	50	50	54.6	54.9	109	110	70-130	.5	20	

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Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 0054263 FIRESTONE - MUSKEGO
Pace Project No.: 4036770

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 353401 353402

Parameter	Units	4036770002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Vinyl chloride	ug/L	<0.18	50	50	35.0	36.4	70	73	46-131	4	20	
4-Bromofluorobenzene (S)	%						94	95	69-130			
Dibromofluoromethane (S)	%						101	100	70-134			
Toluene-d8 (S)	%						100	100	70-130			

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QUALIFIERS

Project: 0054263 FIRESTONE - MUSKEGO
Pace Project No.: 4036770

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.

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

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

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

LABORATORIES

PASI-G	Pace Analytical Services - Green Bay

BATCH QUALIFIERS

Batch: MSSV/2906

[1]	A surrogate failed high in the Extraction Blank, There was either no sample volume available for reextraction and reanalysis or sample was clean to the EQL.

ANALYTE QUALIFIERS

1q	There was no sample volume available for reextraction and reanalysis.
B	Analyte was detected in the associated method blank.
M6	Matrix spike and Matrix spike duplicate recovery not evaluated against control limits due to sample dilution.
S0	Surrogate recovery outside laboratory control limits.
S4	Surrogate recovery not evaluated against control limits due to sample dilution.

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UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

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CHAIN OF CUSTODY

(Please Print Clearly)	
Company Name:	PSI
Branch/Location:	Pewaukee
Project Contact:	Matt Dahlem
Phone:	262-347-0898
Project Number:	0054263
Project Name:	Firestone - Muskego
Project State:	WI
Sampled By (Print):	Matt Dahlem
Sampled By (Sign):	Matt Dahlem
PO #:	
Regulatory Program:	

Quote #:	
Mail To Contact:	Matt Dahlem
Mail To Company:	
Mail To Address:	
Invoice To Contact:	Matt Dahlem
Invoice To Company:	
Invoice To Address:	
Invoice To Phone:	

Data Package Options (billable)
- ☐ EPA Level III
- ☐ EPA Level IV

MS/MSD
- ☐ On your sample (billable)
- ☐ NOT needed on your sample

Matrix Codes
A = Air, W = Water, B = Biota, DW = Drinking Water, C = Charcoal, GW = Ground Water, O = Oil, SW = Surface Water, S = Soil, WW = Waste Water, Sl = Sludge, WP = Wipe

***Preservation Codes**
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO) Y/N	PRESERVATION (CODE)* Pick Letter	VOC	PAH	Dissolved Lead	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
					N	B						
					N	A						
					Y	D						
001	MW-2	9/8/10	1400	GW			X	X	X		1-1L AG; 1-250mL; 3-40mL	
002	MW-4	↓	1300	↓			↓	↓	↓		↓	
003	MW-5	↓	1500	↓			↓	↓	↓		↓	
004	MW-11	↓	1200	↓			↓	↓	↓		↓	
005	MW-12	↓	1100	↓			↓	↓	↓		↓	

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:

Transmit Prelim Rush Results by (complete what you want):

Email #1:	
Email #2:	
Telephone:	
Fax:	

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
Matt Dahlem	9/9/10 1015	D. Fornal	9/9/10 1015
D. Fornal	9/9/10 1700	CS Logistics	
CS Logistics	9/10/10 9:15	D. Dulmelen	9/10/10 9:15

PACE Project No. 4036710

Receipt Temp = NOT °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal Present / Not Present

Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

ORIGINAL

Pace Analytical Services, Inc.
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

Pace Analytical

Sample Condition Upon Receipt

Client Name: PSI Project # 4036770

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

Tracking #: _____

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

Custody Seal on Samples Present: ☐ yes ☑ no Seals intact: ☐ yes ☐ no

Packing Material: ☑ Bubble Wrap ☑ Bubble Bags ☐ None Other

Thermometer Used: MA Type of Ice: (Wet) Blue Dry None ☑ Samples on ice, cooling process has begun

Cooler Temperature: NO Biological Tissue is Frozen: ☐ yes ☐ no

Temp Blank Present: ☑ yes ☐ no

Optional
Proj. Due Date:
Proj. Name:

Temp should be above freezing to 6°C for all sample except Biota.
Biota Samples should be received ≤ 0°C.

Person examining contents:
Date: UB 9/10/10
Initials: _____

		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. UB 9/10
Sample Labels match COC:	☑Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix: W		
All containers needing preservation have been checked.	☑Yes ☐No ☐N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☑Yes ☐No ☐N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☐Yes ☐No	Initial when completed UB / Lot # of added preservative
Samples checked for dechlorination:	☐Yes ☐No ☑N/A	14.
Headspace 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: _____ **Date:** 9/20/10

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

December 21, 2010

Matt Dahlem
PSI Incorporated
W237 N2878 Woodgate Road
Suite 2
Pewaukee, WI 53072

RE: Project: 0054263 FIRESTONE-MUSKEGO
Pace Project No.: 4040688

Dear Matt Dahlem:
Enclosed are the analytical results for sample(s) received by the laboratory on December 11, 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,

Laurie Woelfel

Laurie Woelfel

laurie.woelfel@pacelabs.com
Project Manager

Enclosures

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CERTIFICATIONS

Project: 0054263 FIRESTONE-MUSKEGO
Pace Project No.: 4040688

Green Bay Certification IDs
1241 Bellevue Street, Green Bay, WI 54302
California Certification #: 09268CA
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 11888
New York Certification #: 11888
North Carolina Certification #: 503
North Dakota Certification #: R-150
South Carolina Certification #: 83006001
US Dept of Agriculture #: S-76505
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444

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SAMPLE SUMMARY

Project: 0054263 FIRESTONE-MUSKEGO
Pace Project No.: 4040688

Lab ID	Sample ID	Matrix	Date Collected	Date Received
4040688001	**MW-2**	Water	12/07/10 11:00	12/11/10 08:35
4040688002	**MW-4**	Water	12/07/10 12:00	12/11/10 08:35
4040688003	**MW-5**	Water	12/07/10 13:00	12/11/10 08:35
4040688004	**MW-11**	Water	12/07/10 14:00	12/11/10 08:35
4040688005	**MW-12**	Water	12/07/10 15:00	12/11/10 08:35
4040688006	**TRIP BLANK**	Water	12/07/10 00:00	12/11/10 08:35

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(920)469-2436

SAMPLE ANALYTE COUNT

Project: 0054263 FIRESTONE-MUSKEGO
Pace Project No.: 4040688

Lab ID	Sample ID	Method	Analysts	Analytes Reported
4040688001	**MW-2**	EPA 6010	DLB	1
		EPA 8270 by SIM	RJN	20
		EPA 8260	SMT	64
4040688002	**MW-4**	EPA 6010	DLB	1
		EPA 8270 by SIM	RJN	20
		EPA 8260	SMT	64
4040688003	**MW-5**	EPA 6010	DLB	1
		EPA 8270 by SIM	RJN	20
		EPA 8260	SMT	64
4040688004	**MW-11**	EPA 6010	DLB	1
		EPA 8270 by SIM	RJN	20
		EPA 8260	SMT	64
4040688005	**MW-12**	EPA 6010	DLB	1
		EPA 8270 by SIM	RJN	20
		EPA 8260	SMT	64
4040688006	**TRIP BLANK**	EPA 8260	SMT	64

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ANALYTICAL RESULTS

Project: 0054263 FIRESTONE-MUSKEGO
Pace Project No.: 4040688

Sample: MW-2 **Lab ID: 4040688001** Collected: 12/07/10 11:00 Received: 12/11/10 08:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Lead, Dissolved	**6.3J**	ug/L	7.5	1.7	1		12/13/10 22:31	7439-92-1	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Acenaphthene	**<0.0045**	ug/L	0.047	0.0045	1	12/14/10 08:30	12/14/10 18:29	83-32-9	
Acenaphthylene	**<0.0036**	ug/L	0.047	0.0036	1	12/14/10 08:30	12/14/10 18:29	208-96-8	
Anthracene	**<0.0057**	ug/L	0.047	0.0057	1	12/14/10 08:30	12/14/10 18:29	120-12-7	
Benzo(a)anthracene	**<0.0036**	ug/L	0.047	0.0036	1	12/14/10 08:30	12/14/10 18:29	56-55-3	
Benzo(a)pyrene	**<0.0029**	ug/L	0.047	0.0029	1	12/14/10 08:30	12/14/10 18:29	50-32-8	
Benzo(b)fluoranthene	**0.0041J**	ug/L	0.047	0.0034	1	12/14/10 08:30	12/14/10 18:29	205-99-2	
Benzo(g,h,i)perylene	**<0.0048**	ug/L	0.047	0.0048	1	12/14/10 08:30	12/14/10 18:29	191-24-2	
Benzo(k)fluoranthene	**<0.0044**	ug/L	0.047	0.0044	1	12/14/10 08:30	12/14/10 18:29	207-08-9	
Chrysene	**0.0065J**	ug/L	0.047	0.0035	1	12/14/10 08:30	12/14/10 18:29	218-01-9	
Dibenz(a,h)anthracene	**<0.0032**	ug/L	0.047	0.0032	1	12/14/10 08:30	12/14/10 18:29	53-70-3	
Fluoranthene	**0.0086J**	ug/L	0.047	0.0044	1	12/14/10 08:30	12/14/10 18:29	206-44-0	
Fluorene	**<0.0048**	ug/L	0.047	0.0048	1	12/14/10 08:30	12/14/10 18:29	86-73-7	
Indeno(1,2,3-cd)pyrene	**<0.0047**	ug/L	0.047	0.0047	1	12/14/10 08:30	12/14/10 18:29	193-39-5	
1-Methylnaphthalene	**0.013J**	ug/L	0.047	0.0050	1	12/14/10 08:30	12/14/10 18:29	90-12-0	
2-Methylnaphthalene	**0.032J**	ug/L	0.047	0.0039	1	12/14/10 08:30	12/14/10 18:29	91-57-6	B
Naphthalene	**0.13**	ug/L	0.047	0.0048	1	12/14/10 08:30	12/14/10 18:29	91-20-3	B
Phenanthrene	**0.015J**	ug/L	0.047	0.0081	1	12/14/10 08:30	12/14/10 18:29	85-01-8	
Pyrene	**0.10**	ug/L	0.047	0.0047	1	12/14/10 08:30	12/14/10 18:29	129-00-0	
2-Fluorobiphenyl (S)	30	%	23-130		1	12/14/10 08:30	12/14/10 18:29	321-60-8	
Terphenyl-d14 (S)	37	%	58-144		1	12/14/10 08:30	12/14/10 18:29	1718-51-0	1q,S0
8260 MSV	Analytical Method: EPA 8260								
Benzene	**116**	ug/L	1.0	0.41	1		12/14/10 12:07	71-43-2	
Bromobenzene	**<0.82**	ug/L	1.0	0.82	1		12/14/10 12:07	108-86-1	
Bromochloromethane	**<0.97**	ug/L	1.0	0.97	1		12/14/10 12:07	74-97-5	
Bromodichloromethane	**<0.56**	ug/L	1.0	0.56	1		12/14/10 12:07	75-27-4	
Bromoform	**<0.94**	ug/L	1.0	0.94	1		12/14/10 12:07	75-25-2	
Bromomethane	**<0.91**	ug/L	1.0	0.91	1		12/14/10 12:07	74-83-9	
n-Butylbenzene	**<0.93**	ug/L	1.0	0.93	1		12/14/10 12:07	104-51-8	
sec-Butylbenzene	**<0.89**	ug/L	5.0	0.89	1		12/14/10 12:07	135-98-8	
tert-Butylbenzene	**<0.97**	ug/L	1.0	0.97	1		12/14/10 12:07	98-06-6	
Carbon tetrachloride	**<0.49**	ug/L	1.0	0.49	1		12/14/10 12:07	56-23-5	
Chlorobenzene	**<0.41**	ug/L	1.0	0.41	1		12/14/10 12:07	108-90-7	
Chloroethane	**<0.97**	ug/L	1.0	0.97	1		12/14/10 12:07	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		12/14/10 12:07	67-66-3	
Chloromethane	**0.39J**	ug/L	1.0	0.24	1		12/14/10 12:07	74-87-3	
2-Chlorotoluene	**<0.85**	ug/L	1.0	0.85	1		12/14/10 12:07	95-49-8	
4-Chlorotoluene	**<0.74**	ug/L	1.0	0.74	1		12/14/10 12:07	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/L	5.0	1.7	1		12/14/10 12:07	96-12-8	
Dibromochloromethane	**<0.81**	ug/L	1.0	0.81	1		12/14/10 12:07	124-48-1	
1,2-Dibromoethane (EDB)	**<0.56**	ug/L	1.0	0.56	1		12/14/10 12:07	106-93-4	
Dibromomethane	**<0.60**	ug/L	1.0	0.60	1		12/14/10 12:07	74-95-3	
1,2-Dichlorobenzene	**<0.83**	ug/L	1.0	0.83	1		12/14/10 12:07	95-50-1	

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ANALYTICAL RESULTS

Project: 0054263 FIRESTONE-MUSKEGO
Pace Project No.: 4040688

Sample: MW-2 **Lab ID: 4040688001** Collected: 12/07/10 11:00 Received: 12/11/10 08:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,3-Dichlorobenzene	**<0.87**	ug/L	1.0	0.87	1		12/14/10 12:07	541-73-1	
1,4-Dichlorobenzene	**<0.95**	ug/L	1.0	0.95	1		12/14/10 12:07	106-46-7	
Dichlorodifluoromethane	**<0.99**	ug/L	1.0	0.99	1		12/14/10 12:07	75-71-8	
1,1-Dichloroethane	**<0.75**	ug/L	1.0	0.75	1		12/14/10 12:07	75-34-3	
1,2-Dichloroethane	**32.6**	ug/L	1.0	0.36	1		12/14/10 12:07	107-06-2	
1,1-Dichloroethene	**<0.57**	ug/L	1.0	0.57	1		12/14/10 12:07	75-35-4	
cis-1,2-Dichloroethene	**<0.83**	ug/L	1.0	0.83	1		12/14/10 12:07	156-59-2	
trans-1,2-Dichloroethene	**<0.89**	ug/L	1.0	0.89	1		12/14/10 12:07	156-60-5	
1,2-Dichloropropane	**<0.49**	ug/L	1.0	0.49	1		12/14/10 12:07	78-87-5	
1,3-Dichloropropane	**<0.61**	ug/L	1.0	0.61	1		12/14/10 12:07	142-28-9	
2,2-Dichloropropane	**<0.62**	ug/L	1.0	0.62	1		12/14/10 12:07	594-20-7	
1,1-Dichloropropene	**<0.75**	ug/L	1.0	0.75	1		12/14/10 12:07	563-58-6	
cis-1,3-Dichloropropene	**<0.20**	ug/L	1.0	0.20	1		12/14/10 12:07	10061-01-5	
trans-1,3-Dichloropropene	**<0.19**	ug/L	1.0	0.19	1		12/14/10 12:07	10061-02-6	
Diisopropyl ether	**<0.76**	ug/L	1.0	0.76	1		12/14/10 12:07	108-20-3	
Ethylbenzene	**10.6**	ug/L	1.0	0.54	1		12/14/10 12:07	100-41-4	
Hexachloro-1,3-butadiene	**<0.67**	ug/L	5.0	0.67	1		12/14/10 12:07	87-68-3	
Isopropylbenzene (Cumene)	**0.84J**	ug/L	1.0	0.59	1		12/14/10 12:07	98-82-8	
p-Isopropyltoluene	**<0.67**	ug/L	1.0	0.67	1		12/14/10 12:07	99-87-6	
Methylene Chloride	**<0.43**	ug/L	1.0	0.43	1		12/14/10 12:07	75-09-2	
Methyl-tert-butyl ether	**<0.61**	ug/L	1.0	0.61	1		12/14/10 12:07	1634-04-4	
Naphthalene	**<0.89**	ug/L	5.0	0.89	1		12/14/10 12:07	91-20-3	
n-Propylbenzene	**1.3**	ug/L	1.0	0.81	1		12/14/10 12:07	103-65-1	
Styrene	**<0.86**	ug/L	1.0	0.86	1		12/14/10 12:07	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.92**	ug/L	1.0	0.92	1		12/14/10 12:07	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.20**	ug/L	1.0	0.20	1		12/14/10 12:07	79-34-5	
Tetrachloroethene	**<0.45**	ug/L	1.0	0.45	1		12/14/10 12:07	127-18-4	
Toluene	**3.3**	ug/L	1.0	0.67	1		12/14/10 12:07	108-88-3	
1,2,3-Trichlorobenzene	**<0.74**	ug/L	1.0	0.74	1		12/14/10 12:07	87-61-6	
1,2,4-Trichlorobenzene	**<0.97**	ug/L	1.0	0.97	1		12/14/10 12:07	120-82-1	
1,1,1-Trichloroethane	**<0.90**	ug/L	1.0	0.90	1		12/14/10 12:07	71-55-6	
1,1,2-Trichloroethane	**<0.42**	ug/L	1.0	0.42	1		12/14/10 12:07	79-00-5	
Trichloroethene	**<0.48**	ug/L	1.0	0.48	1		12/14/10 12:07	79-01-6	
Trichlorofluoromethane	**<0.79**	ug/L	1.0	0.79	1		12/14/10 12:07	75-69-4	
1,2,3-Trichloropropane	**<0.99**	ug/L	1.0	0.99	1		12/14/10 12:07	96-18-4	
1,2,4-Trimethylbenzene	**<0.97**	ug/L	1.0	0.97	1		12/14/10 12:07	95-63-6	
1,3,5-Trimethylbenzene	**3.1**	ug/L	1.0	0.83	1		12/14/10 12:07	108-67-8	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		12/14/10 12:07	75-01-4	
m&p-Xylene	**<1.8**	ug/L	2.0	1.8	1		12/14/10 12:07	179601-23-1	
o-Xylene	**0.89J**	ug/L	1.0	0.83	1		12/14/10 12:07	95-47-6	
4-Bromofluorobenzene (S)	89	%	69-130		1		12/14/10 12:07	460-00-4	
Dibromofluoromethane (S)	89	%	70-134		1		12/14/10 12:07	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		12/14/10 12:07	2037-26-5	

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ANALYTICAL RESULTS

Project: 0054263 FIRESTONE-MUSKEGO
Pace Project No.: 4040688

Sample: MW-4 **Lab ID: 4040688002** Collected: 12/07/10 12:00 Received: 12/11/10 08:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Lead, Dissolved	**2.5J**	ug/L	7.5	1.7	1		12/13/10 22:35	7439-92-1	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Acenaphthene	**<0.0045**	ug/L	0.047	0.0045	1	12/14/10 08:30	12/14/10 13:28	83-32-9	
Acenaphthylene	**<0.0036**	ug/L	0.047	0.0036	1	12/14/10 08:30	12/14/10 13:28	208-96-8	
Anthracene	**<0.0057**	ug/L	0.047	0.0057	1	12/14/10 08:30	12/14/10 13:28	120-12-7	
Benzo(a)anthracene	**0.0050J**	ug/L	0.047	0.0036	1	12/14/10 08:30	12/14/10 13:28	56-55-3	
Benzo(a)pyrene	**0.0038J**	ug/L	0.047	0.0029	1	12/14/10 08:30	12/14/10 13:28	50-32-8	
Benzo(b)fluoranthene	**0.0054J**	ug/L	0.047	0.0034	1	12/14/10 08:30	12/14/10 13:28	205-99-2	
Benzo(g,h,i)perylene	**0.0063J**	ug/L	0.047	0.0048	1	12/14/10 08:30	12/14/10 13:28	191-24-2	
Benzo(k)fluoranthene	**0.0050J**	ug/L	0.047	0.0044	1	12/14/10 08:30	12/14/10 13:28	207-08-9	
Chrysene	**0.011J**	ug/L	0.047	0.0035	1	12/14/10 08:30	12/14/10 13:28	218-01-9	
Dibenz(a,h)anthracene	**<0.0032**	ug/L	0.047	0.0032	1	12/14/10 08:30	12/14/10 13:28	53-70-3	
Fluoranthene	**0.018J**	ug/L	0.047	0.0044	1	12/14/10 08:30	12/14/10 13:28	206-44-0	
Fluorene	**<0.0048**	ug/L	0.047	0.0048	1	12/14/10 08:30	12/14/10 13:28	86-73-7	
Indeno(1,2,3-cd)pyrene	**<0.0047**	ug/L	0.047	0.0047	1	12/14/10 08:30	12/14/10 13:28	193-39-5	
1-Methylnaphthalene	**0.018J**	ug/L	0.047	0.0050	1	12/14/10 08:30	12/14/10 13:28	90-12-0	
2-Methylnaphthalene	**0.041J**	ug/L	0.047	0.0039	1	12/14/10 08:30	12/14/10 13:28	91-57-6	B
Naphthalene	**0.040J**	ug/L	0.047	0.0048	1	12/14/10 08:30	12/14/10 13:28	91-20-3	B
Phenanthrene	**0.024J**	ug/L	0.047	0.0081	1	12/14/10 08:30	12/14/10 13:28	85-01-8	
Pyrene	**0.070**	ug/L	0.047	0.0047	1	12/14/10 08:30	12/14/10 13:28	129-00-0	
2-Fluorobiphenyl (S)	79	%	23-130		1	12/14/10 08:30	12/14/10 13:28	321-60-8	
Terphenyl-d14 (S)	91	%	58-144		1	12/14/10 08:30	12/14/10 13:28	1718-51-0	
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.41**	ug/L	1.0	0.41	1		12/14/10 09:50	71-43-2	
Bromobenzene	**<0.82**	ug/L	1.0	0.82	1		12/14/10 09:50	108-86-1	
Bromochloromethane	**<0.97**	ug/L	1.0	0.97	1		12/14/10 09:50	74-97-5	
Bromodichloromethane	**<0.56**	ug/L	1.0	0.56	1		12/14/10 09:50	75-27-4	
Bromoform	**<0.94**	ug/L	1.0	0.94	1		12/14/10 09:50	75-25-2	
Bromomethane	**<0.91**	ug/L	1.0	0.91	1		12/14/10 09:50	74-83-9	
n-Butylbenzene	**<0.93**	ug/L	1.0	0.93	1		12/14/10 09:50	104-51-8	
sec-Butylbenzene	**<0.89**	ug/L	5.0	0.89	1		12/14/10 09:50	135-98-8	
tert-Butylbenzene	**<0.97**	ug/L	1.0	0.97	1		12/14/10 09:50	98-06-6	
Carbon tetrachloride	**<0.49**	ug/L	1.0	0.49	1		12/14/10 09:50	56-23-5	
Chlorobenzene	**<0.41**	ug/L	1.0	0.41	1		12/14/10 09:50	108-90-7	
Chloroethane	**<0.97**	ug/L	1.0	0.97	1		12/14/10 09:50	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		12/14/10 09:50	67-66-3	
Chloromethane	**0.27J**	ug/L	1.0	0.24	1		12/14/10 09:50	74-87-3	
2-Chlorotoluene	**<0.85**	ug/L	1.0	0.85	1		12/14/10 09:50	95-49-8	
4-Chlorotoluene	**<0.74**	ug/L	1.0	0.74	1		12/14/10 09:50	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/L	5.0	1.7	1		12/14/10 09:50	96-12-8	
Dibromochloromethane	**<0.81**	ug/L	1.0	0.81	1		12/14/10 09:50	124-48-1	
1,2-Dibromoethane (EDB)	**<0.56**	ug/L	1.0	0.56	1		12/14/10 09:50	106-93-4	
Dibromomethane	**<0.60**	ug/L	1.0	0.60	1		12/14/10 09:50	74-95-3	
1,2-Dichlorobenzene	**<0.83**	ug/L	1.0	0.83	1		12/14/10 09:50	95-50-1	

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ANALYTICAL RESULTS

Project: 0054263 FIRESTONE-MUSKEGO
Pace Project No.: 4040688

Sample: MW-4 **Lab ID: 4040688002** Collected: 12/07/10 12:00 Received: 12/11/10 08:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,3-Dichlorobenzene	**<0.87**	ug/L	1.0	0.87	1		12/14/10 09:50	541-73-1	
1,4-Dichlorobenzene	**<0.95**	ug/L	1.0	0.95	1		12/14/10 09:50	106-46-7	
Dichlorodifluoromethane	**<0.99**	ug/L	1.0	0.99	1		12/14/10 09:50	75-71-8	
1,1-Dichloroethane	**<0.75**	ug/L	1.0	0.75	1		12/14/10 09:50	75-34-3	
1,2-Dichloroethane	**<0.36**	ug/L	1.0	0.36	1		12/14/10 09:50	107-06-2	
1,1-Dichloroethene	**<0.57**	ug/L	1.0	0.57	1		12/14/10 09:50	75-35-4	
cis-1,2-Dichloroethene	**<0.83**	ug/L	1.0	0.83	1		12/14/10 09:50	156-59-2	
trans-1,2-Dichloroethene	**<0.89**	ug/L	1.0	0.89	1		12/14/10 09:50	156-60-5	
1,2-Dichloropropane	**<0.49**	ug/L	1.0	0.49	1		12/14/10 09:50	78-87-5	
1,3-Dichloropropane	**<0.61**	ug/L	1.0	0.61	1		12/14/10 09:50	142-28-9	
2,2-Dichloropropane	**<0.62**	ug/L	1.0	0.62	1		12/14/10 09:50	594-20-7	
1,1-Dichloropropene	**<0.75**	ug/L	1.0	0.75	1		12/14/10 09:50	563-58-6	
cis-1,3-Dichloropropene	**<0.20**	ug/L	1.0	0.20	1		12/14/10 09:50	10061-01-5	
trans-1,3-Dichloropropene	**<0.19**	ug/L	1.0	0.19	1		12/14/10 09:50	10061-02-6	
Diisopropyl ether	**<0.76**	ug/L	1.0	0.76	1		12/14/10 09:50	108-20-3	
Ethylbenzene	**<0.54**	ug/L	1.0	0.54	1		12/14/10 09:50	100-41-4	
Hexachloro-1,3-butadiene	**<0.67**	ug/L	5.0	0.67	1		12/14/10 09:50	87-68-3	
Isopropylbenzene (Cumene)	**<0.59**	ug/L	1.0	0.59	1		12/14/10 09:50	98-82-8	
p-Isopropyltoluene	**<0.67**	ug/L	1.0	0.67	1		12/14/10 09:50	99-87-6	
Methylene Chloride	**1.5**	ug/L	1.0	0.43	1		12/14/10 09:50	75-09-2	Z3
Methyl-tert-butyl ether	**<0.61**	ug/L	1.0	0.61	1		12/14/10 09:50	1634-04-4	
Naphthalene	**<0.89**	ug/L	5.0	0.89	1		12/14/10 09:50	91-20-3	
n-Propylbenzene	**<0.81**	ug/L	1.0	0.81	1		12/14/10 09:50	103-65-1	
Styrene	**<0.86**	ug/L	1.0	0.86	1		12/14/10 09:50	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.92**	ug/L	1.0	0.92	1		12/14/10 09:50	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.20**	ug/L	1.0	0.20	1		12/14/10 09:50	79-34-5	
Tetrachloroethene	**<0.45**	ug/L	1.0	0.45	1		12/14/10 09:50	127-18-4	
Toluene	**<0.67**	ug/L	1.0	0.67	1		12/14/10 09:50	108-88-3	
1,2,3-Trichlorobenzene	**<0.74**	ug/L	1.0	0.74	1		12/14/10 09:50	87-61-6	
1,2,4-Trichlorobenzene	**<0.97**	ug/L	1.0	0.97	1		12/14/10 09:50	120-82-1	
1,1,1-Trichloroethane	**<0.90**	ug/L	1.0	0.90	1		12/14/10 09:50	71-55-6	
1,1,2-Trichloroethane	**<0.42**	ug/L	1.0	0.42	1		12/14/10 09:50	79-00-5	
Trichloroethene	**<0.48**	ug/L	1.0	0.48	1		12/14/10 09:50	79-01-6	
Trichlorofluoromethane	**<0.79**	ug/L	1.0	0.79	1		12/14/10 09:50	75-69-4	
1,2,3-Trichloropropane	**<0.99**	ug/L	1.0	0.99	1		12/14/10 09:50	96-18-4	
1,2,4-Trimethylbenzene	**<0.97**	ug/L	1.0	0.97	1		12/14/10 09:50	95-63-6	
1,3,5-Trimethylbenzene	**<0.83**	ug/L	1.0	0.83	1		12/14/10 09:50	108-67-8	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		12/14/10 09:50	75-01-4	
m&p-Xylene	**<1.8**	ug/L	2.0	1.8	1		12/14/10 09:50	179601-23-1	
o-Xylene	**<0.83**	ug/L	1.0	0.83	1		12/14/10 09:50	95-47-6	
4-Bromofluorobenzene (S)	83	%	69-130		1		12/14/10 09:50	460-00-4	
Dibromofluoromethane (S)	93	%	70-134		1		12/14/10 09:50	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		12/14/10 09:50	2037-26-5	

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ANALYTICAL RESULTS

Project: 0054263 FIRESTONE-MUSKEGO
Pace Project No.: 4040688

Sample: MW-5 **Lab ID: 4040688003** Collected: 12/07/10 13:00 Received: 12/11/10 08:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 6010								
Lead, Dissolved	**1.9J**	ug/L	7.5	1.4	1	12/15/10 09:25	12/16/10 00:23	7439-92-1	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Acenaphthene	**<0.0045**	ug/L	0.047	0.0045	1	12/14/10 08:30	12/14/10 13:46	83-32-9	
Acenaphthylene	**<0.0036**	ug/L	0.047	0.0036	1	12/14/10 08:30	12/14/10 13:46	208-96-8	
Anthracene	**0.0057J**	ug/L	0.047	0.0057	1	12/14/10 08:30	12/14/10 13:46	120-12-7	
Benzo(a)anthracene	**0.0057J**	ug/L	0.047	0.0036	1	12/14/10 08:30	12/14/10 13:46	56-55-3	
Benzo(a)pyrene	**0.0029J**	ug/L	0.047	0.0029	1	12/14/10 08:30	12/14/10 13:46	50-32-8	
Benzo(b)fluoranthene	**0.0056J**	ug/L	0.047	0.0034	1	12/14/10 08:30	12/14/10 13:46	205-99-2	
Benzo(g,h,i)perylene	**0.013J**	ug/L	0.047	0.0048	1	12/14/10 08:30	12/14/10 13:46	191-24-2	
Benzo(k)fluoranthene	**<0.0044**	ug/L	0.047	0.0044	1	12/14/10 08:30	12/14/10 13:46	207-08-9	
Chrysene	**0.023J**	ug/L	0.047	0.0035	1	12/14/10 08:30	12/14/10 13:46	218-01-9	
Dibenz(a,h)anthracene	**<0.0032**	ug/L	0.047	0.0032	1	12/14/10 08:30	12/14/10 13:46	53-70-3	
Fluoranthene	**0.010J**	ug/L	0.047	0.0044	1	12/14/10 08:30	12/14/10 13:46	206-44-0	
Fluorene	**0.0065J**	ug/L	0.047	0.0048	1	12/14/10 08:30	12/14/10 13:46	86-73-7	
Indeno(1,2,3-cd)pyrene	**<0.0047**	ug/L	0.047	0.0047	1	12/14/10 08:30	12/14/10 13:46	193-39-5	
1-Methylnaphthalene	**0.022J**	ug/L	0.047	0.0050	1	12/14/10 08:30	12/14/10 13:46	90-12-0	
2-Methylnaphthalene	**0.043J**	ug/L	0.047	0.0039	1	12/14/10 08:30	12/14/10 13:46	91-57-6	B
Naphthalene	**0.035J**	ug/L	0.047	0.0048	1	12/14/10 08:30	12/14/10 13:46	91-20-3	B
Phenanthrene	**0.034J**	ug/L	0.047	0.0081	1	12/14/10 08:30	12/14/10 13:46	85-01-8	
Pyrene	**0.17**	ug/L	0.047	0.0047	1	12/14/10 08:30	12/14/10 13:46	129-00-0	
2-Fluorobiphenyl (S)	71	%	23-130		1	12/14/10 08:30	12/14/10 13:46	321-60-8	
Terphenyl-d14 (S)	91	%	58-144		1	12/14/10 08:30	12/14/10 13:46	1718-51-0	
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.41**	ug/L	1.0	0.41	1		12/14/10 08:54	71-43-2	
Bromobenzene	**<0.82**	ug/L	1.0	0.82	1		12/14/10 08:54	108-86-1	
Bromochloromethane	**<0.97**	ug/L	1.0	0.97	1		12/14/10 08:54	74-97-5	
Bromodichloromethane	**<0.56**	ug/L	1.0	0.56	1		12/14/10 08:54	75-27-4	M1
Bromoform	**<0.94**	ug/L	1.0	0.94	1		12/14/10 08:54	75-25-2	
Bromomethane	**<0.91**	ug/L	1.0	0.91	1		12/14/10 08:54	74-83-9	
n-Butylbenzene	**<0.93**	ug/L	1.0	0.93	1		12/14/10 08:54	104-51-8	
sec-Butylbenzene	**<0.89**	ug/L	5.0	0.89	1		12/14/10 08:54	135-98-8	
tert-Butylbenzene	**<0.97**	ug/L	1.0	0.97	1		12/14/10 08:54	98-06-6	
Carbon tetrachloride	**<0.49**	ug/L	1.0	0.49	1		12/14/10 08:54	56-23-5	
Chlorobenzene	**<0.41**	ug/L	1.0	0.41	1		12/14/10 08:54	108-90-7	
Chloroethane	**<0.97**	ug/L	1.0	0.97	1		12/14/10 08:54	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		12/14/10 08:54	67-66-3	
Chloromethane	**<0.24**	ug/L	1.0	0.24	1		12/14/10 08:54	74-87-3	
2-Chlorotoluene	**<0.85**	ug/L	1.0	0.85	1		12/14/10 08:54	95-49-8	
4-Chlorotoluene	**<0.74**	ug/L	1.0	0.74	1		12/14/10 08:54	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/L	5.0	1.7	1		12/14/10 08:54	96-12-8	
Dibromochloromethane	**<0.81**	ug/L	1.0	0.81	1		12/14/10 08:54	124-48-1	
1,2-Dibromoethane (EDB)	**<0.56**	ug/L	1.0	0.56	1		12/14/10 08:54	106-93-4	
Dibromomethane	**<0.60**	ug/L	1.0	0.60	1		12/14/10 08:54	74-95-3	
1,2-Dichlorobenzene	**<0.83**	ug/L	1.0	0.83	1		12/14/10 08:54	95-50-1	

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ANALYTICAL RESULTS

Project: 0054263 FIRESTONE-MUSKEGO
Pace Project No.: 4040688

Sample: MW-5 **Lab ID: 4040688003** Collected: 12/07/10 13:00 Received: 12/11/10 08:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,3-Dichlorobenzene	**<0.87**	ug/L	1.0	0.87	1		12/14/10 08:54	541-73-1	
1,4-Dichlorobenzene	**<0.95**	ug/L	1.0	0.95	1		12/14/10 08:54	106-46-7	
Dichlorodifluoromethane	**<0.99**	ug/L	1.0	0.99	1		12/14/10 08:54	75-71-8	
1,1-Dichloroethane	**<0.75**	ug/L	1.0	0.75	1		12/14/10 08:54	75-34-3	M1
1,2-Dichloroethane	**<0.36**	ug/L	1.0	0.36	1		12/14/10 08:54	107-06-2	M1
1,1-Dichloroethene	**<0.57**	ug/L	1.0	0.57	1		12/14/10 08:54	75-35-4	
cis-1,2-Dichloroethene	**<0.83**	ug/L	1.0	0.83	1		12/14/10 08:54	156-59-2	
trans-1,2-Dichloroethene	**<0.89**	ug/L	1.0	0.89	1		12/14/10 08:54	156-60-5	M1
1,2-Dichloropropane	**<0.49**	ug/L	1.0	0.49	1		12/14/10 08:54	78-87-5	
1,3-Dichloropropane	**<0.61**	ug/L	1.0	0.61	1		12/14/10 08:54	142-28-9	
2,2-Dichloropropane	**<0.62**	ug/L	1.0	0.62	1		12/14/10 08:54	594-20-7	
1,1-Dichloropropene	**<0.75**	ug/L	1.0	0.75	1		12/14/10 08:54	563-58-6	
cis-1,3-Dichloropropene	**<0.20**	ug/L	1.0	0.20	1		12/14/10 08:54	10061-01-5	
trans-1,3-Dichloropropene	**<0.19**	ug/L	1.0	0.19	1		12/14/10 08:54	10061-02-6	
Diisopropyl ether	**<0.76**	ug/L	1.0	0.76	1		12/14/10 08:54	108-20-3	
Ethylbenzene	**<0.54**	ug/L	1.0	0.54	1		12/14/10 08:54	100-41-4	M1
Hexachloro-1,3-butadiene	**<0.67**	ug/L	5.0	0.67	1		12/14/10 08:54	87-68-3	
Isopropylbenzene (Cumene)	**<0.59**	ug/L	1.0	0.59	1		12/14/10 08:54	98-82-8	
p-Isopropyltoluene	**<0.67**	ug/L	1.0	0.67	1		12/14/10 08:54	99-87-6	
Methylene Chloride	**<0.43**	ug/L	1.0	0.43	1		12/14/10 08:54	75-09-2	
Methyl-tert-butyl ether	**<0.61**	ug/L	1.0	0.61	1		12/14/10 08:54	1634-04-4	
Naphthalene	**<0.89**	ug/L	5.0	0.89	1		12/14/10 08:54	91-20-3	
n-Propylbenzene	**<0.81**	ug/L	1.0	0.81	1		12/14/10 08:54	103-65-1	
Styrene	**<0.86**	ug/L	1.0	0.86	1		12/14/10 08:54	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.92**	ug/L	1.0	0.92	1		12/14/10 08:54	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.20**	ug/L	1.0	0.20	1		12/14/10 08:54	79-34-5	
Tetrachloroethene	**<0.45**	ug/L	1.0	0.45	1		12/14/10 08:54	127-18-4	
Toluene	**<0.67**	ug/L	1.0	0.67	1		12/14/10 08:54	108-88-3	
1,2,3-Trichlorobenzene	**<0.74**	ug/L	1.0	0.74	1		12/14/10 08:54	87-61-6	
1,2,4-Trichlorobenzene	**<0.97**	ug/L	1.0	0.97	1		12/14/10 08:54	120-82-1	
1,1,1-Trichloroethane	**<0.90**	ug/L	1.0	0.90	1		12/14/10 08:54	71-55-6	M1
1,1,2-Trichloroethane	**<0.42**	ug/L	1.0	0.42	1		12/14/10 08:54	79-00-5	
Trichloroethene	**<0.48**	ug/L	1.0	0.48	1		12/14/10 08:54	79-01-6	M1
Trichlorofluoromethane	**<0.79**	ug/L	1.0	0.79	1		12/14/10 08:54	75-69-4	
1,2,3-Trichloropropane	**<0.99**	ug/L	1.0	0.99	1		12/14/10 08:54	96-18-4	
1,2,4-Trimethylbenzene	**<0.97**	ug/L	1.0	0.97	1		12/14/10 08:54	95-63-6	
1,3,5-Trimethylbenzene	**<0.83**	ug/L	1.0	0.83	1		12/14/10 08:54	108-67-8	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		12/14/10 08:54	75-01-4	
m&p-Xylene	**<1.8**	ug/L	2.0	1.8	1		12/14/10 08:54	179601-23-1	
o-Xylene	**<0.83**	ug/L	1.0	0.83	1		12/14/10 08:54	95-47-6	
4-Bromofluorobenzene (S)	87	%	69-130		1		12/14/10 08:54	460-00-4	
Dibromofluoromethane (S)	92	%	70-134		1		12/14/10 08:54	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		12/14/10 08:54	2037-26-5	

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ANALYTICAL RESULTS

Project: 0054263 FIRESTONE-MUSKEGO
Pace Project No.: 4040688

Sample: MW-11 **Lab ID: 4040688004** Collected: 12/07/10 14:00 Received: 12/11/10 08:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Lead, Dissolved	**2.2J**	ug/L	7.5	1.7	1		12/13/10 22:39	7439-92-1	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Acenaphthene	**<0.0045**	ug/L	0.047	0.0045	1	12/14/10 08:30	12/14/10 14:03	83-32-9	
Acenaphthylene	**<0.0036**	ug/L	0.047	0.0036	1	12/14/10 08:30	12/14/10 14:03	208-96-8	
Anthracene	**0.0058J**	ug/L	0.047	0.0057	1	12/14/10 08:30	12/14/10 14:03	120-12-7	
Benzo(a)anthracene	**0.016J**	ug/L	0.047	0.0036	1	12/14/10 08:30	12/14/10 14:03	56-55-3	
Benzo(a)pyrene	**0.016J**	ug/L	0.047	0.0029	1	12/14/10 08:30	12/14/10 14:03	50-32-8	
Benzo(b)fluoranthene	**0.020J**	ug/L	0.047	0.0034	1	12/14/10 08:30	12/14/10 14:03	205-99-2	
Benzo(g,h,i)perylene	**0.019J**	ug/L	0.047	0.0048	1	12/14/10 08:30	12/14/10 14:03	191-24-2	
Benzo(k)fluoranthene	**0.014J**	ug/L	0.047	0.0044	1	12/14/10 08:30	12/14/10 14:03	207-08-9	
Chrysene	**0.030J**	ug/L	0.047	0.0035	1	12/14/10 08:30	12/14/10 14:03	218-01-9	
Dibenz(a,h)anthracene	**0.0047J**	ug/L	0.047	0.0032	1	12/14/10 08:30	12/14/10 14:03	53-70-3	
Fluoranthene	**0.030J**	ug/L	0.047	0.0044	1	12/14/10 08:30	12/14/10 14:03	206-44-0	
Fluorene	**<0.0048**	ug/L	0.047	0.0048	1	12/14/10 08:30	12/14/10 14:03	86-73-7	
Indeno(1,2,3-cd)pyrene	**0.010J**	ug/L	0.047	0.0047	1	12/14/10 08:30	12/14/10 14:03	193-39-5	
1-Methylnaphthalene	**0.013J**	ug/L	0.047	0.0050	1	12/14/10 08:30	12/14/10 14:03	90-12-0	
2-Methylnaphthalene	**0.029J**	ug/L	0.047	0.0039	1	12/14/10 08:30	12/14/10 14:03	91-57-6	B
Naphthalene	**0.019J**	ug/L	0.047	0.0048	1	12/14/10 08:30	12/14/10 14:03	91-20-3	B
Phenanthrene	**0.026J**	ug/L	0.047	0.0081	1	12/14/10 08:30	12/14/10 14:03	85-01-8	
Pyrene	**0.10**	ug/L	0.047	0.0047	1	12/14/10 08:30	12/14/10 14:03	129-00-0	
2-Fluorobiphenyl (S)	74	%	23-130		1	12/14/10 08:30	12/14/10 14:03	321-60-8	
Terphenyl-d14 (S)	95	%	58-144		1	12/14/10 08:30	12/14/10 14:03	1718-51-0	
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.41**	ug/L	1.0	0.41	1		12/14/10 10:13	71-43-2	
Bromobenzene	**<0.82**	ug/L	1.0	0.82	1		12/14/10 10:13	108-86-1	
Bromochloromethane	**<0.97**	ug/L	1.0	0.97	1		12/14/10 10:13	74-97-5	
Bromodichloromethane	**<0.56**	ug/L	1.0	0.56	1		12/14/10 10:13	75-27-4	
Bromoform	**<0.94**	ug/L	1.0	0.94	1		12/14/10 10:13	75-25-2	
Bromomethane	**<0.91**	ug/L	1.0	0.91	1		12/14/10 10:13	74-83-9	
n-Butylbenzene	**<0.93**	ug/L	1.0	0.93	1		12/14/10 10:13	104-51-8	
sec-Butylbenzene	**<0.89**	ug/L	5.0	0.89	1		12/14/10 10:13	135-98-8	
tert-Butylbenzene	**<0.97**	ug/L	1.0	0.97	1		12/14/10 10:13	98-06-6	
Carbon tetrachloride	**<0.49**	ug/L	1.0	0.49	1		12/14/10 10:13	56-23-5	
Chlorobenzene	**<0.41**	ug/L	1.0	0.41	1		12/14/10 10:13	108-90-7	
Chloroethane	**<0.97**	ug/L	1.0	0.97	1		12/14/10 10:13	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		12/14/10 10:13	67-66-3	
Chloromethane	**<0.24**	ug/L	1.0	0.24	1		12/14/10 10:13	74-87-3	
2-Chlorotoluene	**<0.85**	ug/L	1.0	0.85	1		12/14/10 10:13	95-49-8	
4-Chlorotoluene	**<0.74**	ug/L	1.0	0.74	1		12/14/10 10:13	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/L	5.0	1.7	1		12/14/10 10:13	96-12-8	
Dibromochloromethane	**<0.81**	ug/L	1.0	0.81	1		12/14/10 10:13	124-48-1	
1,2-Dibromoethane (EDB)	**<0.56**	ug/L	1.0	0.56	1		12/14/10 10:13	106-93-4	
Dibromomethane	**<0.60**	ug/L	1.0	0.60	1		12/14/10 10:13	74-95-3	
1,2-Dichlorobenzene	**<0.83**	ug/L	1.0	0.83	1		12/14/10 10:13	95-50-1	

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ANALYTICAL RESULTS

Project: 0054263 FIRESTONE-MUSKEGO
Pace Project No.: 4040688

Sample: MW-11 **Lab ID: 4040688004** Collected: 12/07/10 14:00 Received: 12/11/10 08:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,3-Dichlorobenzene	**<0.87**	ug/L	1.0	0.87	1		12/14/10 10:13	541-73-1	
1,4-Dichlorobenzene	**<0.95**	ug/L	1.0	0.95	1		12/14/10 10:13	106-46-7	
Dichlorodifluoromethane	**<0.99**	ug/L	1.0	0.99	1		12/14/10 10:13	75-71-8	
1,1-Dichloroethane	**<0.75**	ug/L	1.0	0.75	1		12/14/10 10:13	75-34-3	
1,2-Dichloroethane	**<0.36**	ug/L	1.0	0.36	1		12/14/10 10:13	107-06-2	
1,1-Dichloroethene	**<0.57**	ug/L	1.0	0.57	1		12/14/10 10:13	75-35-4	
cis-1,2-Dichloroethene	**<0.83**	ug/L	1.0	0.83	1		12/14/10 10:13	156-59-2	
trans-1,2-Dichloroethene	**<0.89**	ug/L	1.0	0.89	1		12/14/10 10:13	156-60-5	
1,2-Dichloropropane	**<0.49**	ug/L	1.0	0.49	1		12/14/10 10:13	78-87-5	
1,3-Dichloropropane	**<0.61**	ug/L	1.0	0.61	1		12/14/10 10:13	142-28-9	
2,2-Dichloropropane	**<0.62**	ug/L	1.0	0.62	1		12/14/10 10:13	594-20-7	
1,1-Dichloropropene	**<0.75**	ug/L	1.0	0.75	1		12/14/10 10:13	563-58-6	
cis-1,3-Dichloropropene	**<0.20**	ug/L	1.0	0.20	1		12/14/10 10:13	10061-01-5	
trans-1,3-Dichloropropene	**<0.19**	ug/L	1.0	0.19	1		12/14/10 10:13	10061-02-6	
Diisopropyl ether	**<0.76**	ug/L	1.0	0.76	1		12/14/10 10:13	108-20-3	
Ethylbenzene	**<0.54**	ug/L	1.0	0.54	1		12/14/10 10:13	100-41-4	
Hexachloro-1,3-butadiene	**<0.67**	ug/L	5.0	0.67	1		12/14/10 10:13	87-68-3	
Isopropylbenzene (Cumene)	**<0.59**	ug/L	1.0	0.59	1		12/14/10 10:13	98-82-8	
p-Isopropyltoluene	**<0.67**	ug/L	1.0	0.67	1		12/14/10 10:13	99-87-6	
Methylene Chloride	**1.2**	ug/L	1.0	0.43	1		12/14/10 10:13	75-09-2	Z3
Methyl-tert-butyl ether	**<0.61**	ug/L	1.0	0.61	1		12/14/10 10:13	1634-04-4	
Naphthalene	**<0.89**	ug/L	5.0	0.89	1		12/14/10 10:13	91-20-3	
n-Propylbenzene	**<0.81**	ug/L	1.0	0.81	1		12/14/10 10:13	103-65-1	
Styrene	**<0.86**	ug/L	1.0	0.86	1		12/14/10 10:13	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.92**	ug/L	1.0	0.92	1		12/14/10 10:13	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.20**	ug/L	1.0	0.20	1		12/14/10 10:13	79-34-5	
Tetrachloroethene	**<0.45**	ug/L	1.0	0.45	1		12/14/10 10:13	127-18-4	
Toluene	**<0.67**	ug/L	1.0	0.67	1		12/14/10 10:13	108-88-3	
1,2,3-Trichlorobenzene	**<0.74**	ug/L	1.0	0.74	1		12/14/10 10:13	87-61-6	
1,2,4-Trichlorobenzene	**<0.97**	ug/L	1.0	0.97	1		12/14/10 10:13	120-82-1	
1,1,1-Trichloroethane	**<0.90**	ug/L	1.0	0.90	1		12/14/10 10:13	71-55-6	
1,1,2-Trichloroethane	**<0.42**	ug/L	1.0	0.42	1		12/14/10 10:13	79-00-5	
Trichloroethene	**<0.48**	ug/L	1.0	0.48	1		12/14/10 10:13	79-01-6	
Trichlorofluoromethane	**<0.79**	ug/L	1.0	0.79	1		12/14/10 10:13	75-69-4	
1,2,3-Trichloropropane	**<0.99**	ug/L	1.0	0.99	1		12/14/10 10:13	96-18-4	
1,2,4-Trimethylbenzene	**<0.97**	ug/L	1.0	0.97	1		12/14/10 10:13	95-63-6	
1,3,5-Trimethylbenzene	**<0.83**	ug/L	1.0	0.83	1		12/14/10 10:13	108-67-8	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		12/14/10 10:13	75-01-4	
m&p-Xylene	**<1.8**	ug/L	2.0	1.8	1		12/14/10 10:13	179601-23-1	
o-Xylene	**<0.83**	ug/L	1.0	0.83	1		12/14/10 10:13	95-47-6	
4-Bromofluorobenzene (S)	85	%	69-130		1		12/14/10 10:13	460-00-4	
Dibromofluoromethane (S)	93	%	70-134		1		12/14/10 10:13	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		12/14/10 10:13	2037-26-5	

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ANALYTICAL RESULTS

Project: 0054263 FIRESTONE-MUSKEGO
Pace Project No.: 4040688

Sample: MW-12 **Lab ID: 4040688005** Collected: 12/07/10 15:00 Received: 12/11/10 08:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 6010								
Lead, Dissolved	**54.9**	ug/L	7.5	1.4	1	12/15/10 09:25	12/16/10 00:35	7439-92-1	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Acenaphthene	**<0.0046**	ug/L	0.048	0.0046	1	12/14/10 08:30	12/14/10 14:21	83-32-9	
Acenaphthylene	**<0.0037**	ug/L	0.048	0.0037	1	12/14/10 08:30	12/14/10 14:21	208-96-8	
Anthracene	**0.0088J**	ug/L	0.048	0.0058	1	12/14/10 08:30	12/14/10 14:21	120-12-7	
Benzo(a)anthracene	**0.0078J**	ug/L	0.048	0.0037	1	12/14/10 08:30	12/14/10 14:21	56-55-3	
Benzo(a)pyrene	**0.0052J**	ug/L	0.048	0.0029	1	12/14/10 08:30	12/14/10 14:21	50-32-8	
Benzo(b)fluoranthene	**0.011J**	ug/L	0.048	0.0035	1	12/14/10 08:30	12/14/10 14:21	205-99-2	
Benzo(g,h,i)perylene	**0.022J**	ug/L	0.048	0.0049	1	12/14/10 08:30	12/14/10 14:21	191-24-2	
Benzo(k)fluoranthene	**0.0054J**	ug/L	0.048	0.0045	1	12/14/10 08:30	12/14/10 14:21	207-08-9	
Chrysene	**0.035J**	ug/L	0.048	0.0035	1	12/14/10 08:30	12/14/10 14:21	218-01-9	
Dibenz(a,h)anthracene	**<0.0033**	ug/L	0.048	0.0033	1	12/14/10 08:30	12/14/10 14:21	53-70-3	
Fluoranthene	**0.013J**	ug/L	0.048	0.0045	1	12/14/10 08:30	12/14/10 14:21	206-44-0	
Fluorene	**0.010J**	ug/L	0.048	0.0049	1	12/14/10 08:30	12/14/10 14:21	86-73-7	
Indeno(1,2,3-cd)pyrene	**<0.0048**	ug/L	0.048	0.0048	1	12/14/10 08:30	12/14/10 14:21	193-39-5	
1-Methylnaphthalene	**0.032J**	ug/L	0.048	0.0051	1	12/14/10 08:30	12/14/10 14:21	90-12-0	
2-Methylnaphthalene	**0.054**	ug/L	0.048	0.0039	1	12/14/10 08:30	12/14/10 14:21	91-57-6	B
Naphthalene	**0.033J**	ug/L	0.048	0.0049	1	12/14/10 08:30	12/14/10 14:21	91-20-3	B
Phenanthrene	**0.058**	ug/L	0.048	0.0082	1	12/14/10 08:30	12/14/10 14:21	85-01-8	
Pyrene	**0.089**	ug/L	0.048	0.0048	1	12/14/10 08:30	12/14/10 14:21	129-00-0	
2-Fluorobiphenyl (S)	77	%	23-130		1	12/14/10 08:30	12/14/10 14:21	321-60-8	
Terphenyl-d14 (S)	96	%	58-144		1	12/14/10 08:30	12/14/10 14:21	1718-51-0	
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.41**	ug/L	1.0	0.41	1		12/14/10 10:36	71-43-2	
Bromobenzene	**<0.82**	ug/L	1.0	0.82	1		12/14/10 10:36	108-86-1	
Bromochloromethane	**<0.97**	ug/L	1.0	0.97	1		12/14/10 10:36	74-97-5	
Bromodichloromethane	**<0.56**	ug/L	1.0	0.56	1		12/14/10 10:36	75-27-4	
Bromoform	**<0.94**	ug/L	1.0	0.94	1		12/14/10 10:36	75-25-2	
Bromomethane	**<0.91**	ug/L	1.0	0.91	1		12/14/10 10:36	74-83-9	
n-Butylbenzene	**<0.93**	ug/L	1.0	0.93	1		12/14/10 10:36	104-51-8	
sec-Butylbenzene	**<0.89**	ug/L	5.0	0.89	1		12/14/10 10:36	135-98-8	
tert-Butylbenzene	**<0.97**	ug/L	1.0	0.97	1		12/14/10 10:36	98-06-6	
Carbon tetrachloride	**<0.49**	ug/L	1.0	0.49	1		12/14/10 10:36	56-23-5	
Chlorobenzene	**<0.41**	ug/L	1.0	0.41	1		12/14/10 10:36	108-90-7	
Chloroethane	**<0.97**	ug/L	1.0	0.97	1		12/14/10 10:36	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		12/14/10 10:36	67-66-3	
Chloromethane	**<0.24**	ug/L	1.0	0.24	1		12/14/10 10:36	74-87-3	
2-Chlorotoluene	**<0.85**	ug/L	1.0	0.85	1		12/14/10 10:36	95-49-8	
4-Chlorotoluene	**<0.74**	ug/L	1.0	0.74	1		12/14/10 10:36	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/L	5.0	1.7	1		12/14/10 10:36	96-12-8	
Dibromochloromethane	**<0.81**	ug/L	1.0	0.81	1		12/14/10 10:36	124-48-1	
1,2-Dibromoethane (EDB)	**<0.56**	ug/L	1.0	0.56	1		12/14/10 10:36	106-93-4	
Dibromomethane	**<0.60**	ug/L	1.0	0.60	1		12/14/10 10:36	74-95-3	
1,2-Dichlorobenzene	**<0.83**	ug/L	1.0	0.83	1		12/14/10 10:36	95-50-1	

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ANALYTICAL RESULTS

Project: 0054263 FIRESTONE-MUSKEGO
Pace Project No.: 4040688

Sample: MW-12 **Lab ID: 4040688005** Collected: 12/07/10 15:00 Received: 12/11/10 08:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,3-Dichlorobenzene	**<0.87**	ug/L	1.0	0.87	1		12/14/10 10:36	541-73-1	
1,4-Dichlorobenzene	**<0.95**	ug/L	1.0	0.95	1		12/14/10 10:36	106-46-7	
Dichlorodifluoromethane	**<0.99**	ug/L	1.0	0.99	1		12/14/10 10:36	75-71-8	
1,1-Dichloroethane	**<0.75**	ug/L	1.0	0.75	1		12/14/10 10:36	75-34-3	
1,2-Dichloroethane	**<0.36**	ug/L	1.0	0.36	1		12/14/10 10:36	107-06-2	
1,1-Dichloroethene	**<0.57**	ug/L	1.0	0.57	1		12/14/10 10:36	75-35-4	
cis-1,2-Dichloroethene	**<0.83**	ug/L	1.0	0.83	1		12/14/10 10:36	156-59-2	
trans-1,2-Dichloroethene	**<0.89**	ug/L	1.0	0.89	1		12/14/10 10:36	156-60-5	
1,2-Dichloropropane	**<0.49**	ug/L	1.0	0.49	1		12/14/10 10:36	78-87-5	
1,3-Dichloropropane	**<0.61**	ug/L	1.0	0.61	1		12/14/10 10:36	142-28-9	
2,2-Dichloropropane	**<0.62**	ug/L	1.0	0.62	1		12/14/10 10:36	594-20-7	
1,1-Dichloropropene	**<0.75**	ug/L	1.0	0.75	1		12/14/10 10:36	563-58-6	
cis-1,3-Dichloropropene	**<0.20**	ug/L	1.0	0.20	1		12/14/10 10:36	10061-01-5	
trans-1,3-Dichloropropene	**<0.19**	ug/L	1.0	0.19	1		12/14/10 10:36	10061-02-6	
Diisopropyl ether	**<0.76**	ug/L	1.0	0.76	1		12/14/10 10:36	108-20-3	
Ethylbenzene	**<0.54**	ug/L	1.0	0.54	1		12/14/10 10:36	100-41-4	
Hexachloro-1,3-butadiene	**<0.67**	ug/L	5.0	0.67	1		12/14/10 10:36	87-68-3	
Isopropylbenzene (Cumene)	**<0.59**	ug/L	1.0	0.59	1		12/14/10 10:36	98-82-8	
p-Isopropyltoluene	**<0.67**	ug/L	1.0	0.67	1		12/14/10 10:36	99-87-6	
Methylene Chloride	**<0.43**	ug/L	1.0	0.43	1		12/14/10 10:36	75-09-2	
Methyl-tert-butyl ether	**<0.61**	ug/L	1.0	0.61	1		12/14/10 10:36	1634-04-4	
Naphthalene	**<0.89**	ug/L	5.0	0.89	1		12/14/10 10:36	91-20-3	
n-Propylbenzene	**<0.81**	ug/L	1.0	0.81	1		12/14/10 10:36	103-65-1	
Styrene	**<0.86**	ug/L	1.0	0.86	1		12/14/10 10:36	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.92**	ug/L	1.0	0.92	1		12/14/10 10:36	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.20**	ug/L	1.0	0.20	1		12/14/10 10:36	79-34-5	
Tetrachloroethene	**<0.45**	ug/L	1.0	0.45	1		12/14/10 10:36	127-18-4	
Toluene	**<0.67**	ug/L	1.0	0.67	1		12/14/10 10:36	108-88-3	
1,2,3-Trichlorobenzene	**<0.74**	ug/L	1.0	0.74	1		12/14/10 10:36	87-61-6	
1,2,4-Trichlorobenzene	**<0.97**	ug/L	1.0	0.97	1		12/14/10 10:36	120-82-1	
1,1,1-Trichloroethane	**<0.90**	ug/L	1.0	0.90	1		12/14/10 10:36	71-55-6	
1,1,2-Trichloroethane	**<0.42**	ug/L	1.0	0.42	1		12/14/10 10:36	79-00-5	
Trichloroethene	**<0.48**	ug/L	1.0	0.48	1		12/14/10 10:36	79-01-6	
Trichlorofluoromethane	**<0.79**	ug/L	1.0	0.79	1		12/14/10 10:36	75-69-4	
1,2,3-Trichloropropane	**<0.99**	ug/L	1.0	0.99	1		12/14/10 10:36	96-18-4	
1,2,4-Trimethylbenzene	**<0.97**	ug/L	1.0	0.97	1		12/14/10 10:36	95-63-6	
1,3,5-Trimethylbenzene	**<0.83**	ug/L	1.0	0.83	1		12/14/10 10:36	108-67-8	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		12/14/10 10:36	75-01-4	
m&p-Xylene	**<1.8**	ug/L	2.0	1.8	1		12/14/10 10:36	179601-23-1	
o-Xylene	**<0.83**	ug/L	1.0	0.83	1		12/14/10 10:36	95-47-6	
4-Bromofluorobenzene (S)	85	%	69-130		1		12/14/10 10:36	460-00-4	
Dibromofluoromethane (S)	91	%	70-134		1		12/14/10 10:36	1868-53-7	pH
Toluene-d8 (S)	96	%	70-130		1		12/14/10 10:36	2037-26-5	

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ANALYTICAL RESULTS

Project: 0054263 FIRESTONE-MUSKEGO
Pace Project No.: 4040688

Sample: TRIP BLANK **Lab ID: 4040688006** Collected: 12/07/10 00:00 Received: 12/11/10 08:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.41**	ug/L	1.0	0.41	1		12/14/10 09:28	71-43-2	
Bromobenzene	**<0.82**	ug/L	1.0	0.82	1		12/14/10 09:28	108-86-1	
Bromochloromethane	**<0.97**	ug/L	1.0	0.97	1		12/14/10 09:28	74-97-5	
Bromodichloromethane	**<0.56**	ug/L	1.0	0.56	1		12/14/10 09:28	75-27-4	
Bromoform	**<0.94**	ug/L	1.0	0.94	1		12/14/10 09:28	75-25-2	
Bromomethane	**<0.91**	ug/L	1.0	0.91	1		12/14/10 09:28	74-83-9	
n-Butylbenzene	**<0.93**	ug/L	1.0	0.93	1		12/14/10 09:28	104-51-8	
sec-Butylbenzene	**<0.89**	ug/L	5.0	0.89	1		12/14/10 09:28	135-98-8	
tert-Butylbenzene	**<0.97**	ug/L	1.0	0.97	1		12/14/10 09:28	98-06-6	
Carbon tetrachloride	**<0.49**	ug/L	1.0	0.49	1		12/14/10 09:28	56-23-5	
Chlorobenzene	**<0.41**	ug/L	1.0	0.41	1		12/14/10 09:28	108-90-7	
Chloroethane	**<0.97**	ug/L	1.0	0.97	1		12/14/10 09:28	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		12/14/10 09:28	67-66-3	
Chloromethane	**<0.24**	ug/L	1.0	0.24	1		12/14/10 09:28	74-87-3	
2-Chlorotoluene	**<0.85**	ug/L	1.0	0.85	1		12/14/10 09:28	95-49-8	
4-Chlorotoluene	**<0.74**	ug/L	1.0	0.74	1		12/14/10 09:28	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/L	5.0	1.7	1		12/14/10 09:28	96-12-8	
Dibromochloromethane	**<0.81**	ug/L	1.0	0.81	1		12/14/10 09:28	124-48-1	
1,2-Dibromoethane (EDB)	**<0.56**	ug/L	1.0	0.56	1		12/14/10 09:28	106-93-4	
Dibromomethane	**<0.60**	ug/L	1.0	0.60	1		12/14/10 09:28	74-95-3	
1,2-Dichlorobenzene	**<0.83**	ug/L	1.0	0.83	1		12/14/10 09:28	95-50-1	
1,3-Dichlorobenzene	**<0.87**	ug/L	1.0	0.87	1		12/14/10 09:28	541-73-1	
1,4-Dichlorobenzene	**<0.95**	ug/L	1.0	0.95	1		12/14/10 09:28	106-46-7	
Dichlorodifluoromethane	**<0.99**	ug/L	1.0	0.99	1		12/14/10 09:28	75-71-8	
1,1-Dichloroethane	**<0.75**	ug/L	1.0	0.75	1		12/14/10 09:28	75-34-3	
1,2-Dichloroethane	**<0.36**	ug/L	1.0	0.36	1		12/14/10 09:28	107-06-2	
1,1-Dichloroethene	**<0.57**	ug/L	1.0	0.57	1		12/14/10 09:28	75-35-4	
cis-1,2-Dichloroethene	**<0.83**	ug/L	1.0	0.83	1		12/14/10 09:28	156-59-2	
trans-1,2-Dichloroethene	**<0.89**	ug/L	1.0	0.89	1		12/14/10 09:28	156-60-5	
1,2-Dichloropropane	**<0.49**	ug/L	1.0	0.49	1		12/14/10 09:28	78-87-5	
1,3-Dichloropropane	**<0.61**	ug/L	1.0	0.61	1		12/14/10 09:28	142-28-9	
2,2-Dichloropropane	**<0.62**	ug/L	1.0	0.62	1		12/14/10 09:28	594-20-7	
1,1-Dichloropropene	**<0.75**	ug/L	1.0	0.75	1		12/14/10 09:28	563-58-6	
cis-1,3-Dichloropropene	**<0.20**	ug/L	1.0	0.20	1		12/14/10 09:28	10061-01-5	
trans-1,3-Dichloropropene	**<0.19**	ug/L	1.0	0.19	1		12/14/10 09:28	10061-02-6	
Diisopropyl ether	**<0.76**	ug/L	1.0	0.76	1		12/14/10 09:28	108-20-3	
Ethylbenzene	**<0.54**	ug/L	1.0	0.54	1		12/14/10 09:28	100-41-4	
Hexachloro-1,3-butadiene	**<0.67**	ug/L	5.0	0.67	1		12/14/10 09:28	87-68-3	
Isopropylbenzene (Cumene)	**<0.59**	ug/L	1.0	0.59	1		12/14/10 09:28	98-82-8	
p-Isopropyltoluene	**<0.67**	ug/L	1.0	0.67	1		12/14/10 09:28	99-87-6	
Methylene Chloride	**<0.43**	ug/L	1.0	0.43	1		12/14/10 09:28	75-09-2	
Methyl-tert-butyl ether	**<0.61**	ug/L	1.0	0.61	1		12/14/10 09:28	1634-04-4	
Naphthalene	**<0.89**	ug/L	5.0	0.89	1		12/14/10 09:28	91-20-3	
n-Propylbenzene	**<0.81**	ug/L	1.0	0.81	1		12/14/10 09:28	103-65-1	
Styrene	**<0.86**	ug/L	1.0	0.86	1		12/14/10 09:28	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.92**	ug/L	1.0	0.92	1		12/14/10 09:28	630-20-6	

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ANALYTICAL RESULTS

Project: 0054263 FIRESTONE-MUSKEGO
Pace Project No.: 4040688

Sample: TRIP BLANK **Lab ID: 4040688006** Collected: 12/07/10 00:00 Received: 12/11/10 08:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.20**	ug/L	1.0	0.20	1		12/14/10 09:28	79-34-5	
Tetrachloroethene	**<0.45**	ug/L	1.0	0.45	1		12/14/10 09:28	127-18-4	
Toluene	**<0.67**	ug/L	1.0	0.67	1		12/14/10 09:28	108-88-3	
1,2,3-Trichlorobenzene	**<0.74**	ug/L	1.0	0.74	1		12/14/10 09:28	87-61-6	
1,2,4-Trichlorobenzene	**<0.97**	ug/L	1.0	0.97	1		12/14/10 09:28	120-82-1	
1,1,1-Trichloroethane	**<0.90**	ug/L	1.0	0.90	1		12/14/10 09:28	71-55-6	
1,1,2-Trichloroethane	**<0.42**	ug/L	1.0	0.42	1		12/14/10 09:28	79-00-5	
Trichloroethene	**<0.48**	ug/L	1.0	0.48	1		12/14/10 09:28	79-01-6	
Trichlorofluoromethane	**<0.79**	ug/L	1.0	0.79	1		12/14/10 09:28	75-69-4	
1,2,3-Trichloropropane	**<0.99**	ug/L	1.0	0.99	1		12/14/10 09:28	96-18-4	
1,2,4-Trimethylbenzene	**<0.97**	ug/L	1.0	0.97	1		12/14/10 09:28	95-63-6	
1,3,5-Trimethylbenzene	**<0.83**	ug/L	1.0	0.83	1		12/14/10 09:28	108-67-8	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		12/14/10 09:28	75-01-4	
m&p-Xylene	**<1.8**	ug/L	2.0	1.8	1		12/14/10 09:28	179601-23-1	
o-Xylene	**<0.83**	ug/L	1.0	0.83	1		12/14/10 09:28	95-47-6	
4-Bromofluorobenzene (S)	85	%	69-130		1		12/14/10 09:28	460-00-4	
Dibromofluoromethane (S)	90	%	70-134		1		12/14/10 09:28	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		12/14/10 09:28	2037-26-5	

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QUALITY CONTROL DATA

Project: 0054263 FIRESTONE-MUSKEGO
Pace Project No.: 4040688

QC Batch: MPRP/4889 | Analysis Method: EPA 6010
QC Batch Method: EPA 6010 | Analysis Description: 6010 MET Dissolved
Associated Lab Samples: 4040688003, 4040688005

METHOD BLANK: 396206 | Matrix: Water
Associated Lab Samples: 4040688003, 4040688005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead, Dissolved	ug/L	<1.4	7.5	12/16/10 00:08	

LABORATORY CONTROL SAMPLE: 396207

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead, Dissolved	ug/L	500	491	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 396208 396209

Parameter	Units	4040688003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead, Dissolved	ug/L	1.9J	500	500	464	464	92	92	75-125	.04	20	

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QUALITY CONTROL DATA

Project: 0054263 FIRESTONE-MUSKEGO
Pace Project No.: 4040688

QC Batch: ICP/4156 — Analysis Method: EPA 6010
QC Batch Method: EPA 6010 — Analysis Description: ICP Metals, Trace, Dissolved
Associated Lab Samples: 4040688001, 4040688002, 4040688004

METHOD BLANK: 395509 — Matrix: Water
Associated Lab Samples: 4040688001, 4040688002, 4040688004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead, Dissolved	ug/L	<1.7	7.5	12/13/10 20:51	

LABORATORY CONTROL SAMPLE: 395510

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead, Dissolved	ug/L	500	503	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 395511 395512

Parameter	Units	4040389005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead, Dissolved	ug/L	2.0J	500	500	494	492	98	98	75-125	.3	20	

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QUALITY CONTROL DATA

Project: 0054263 FIRESTONE-MUSKEGO
Pace Project No.: 4040688

QC Batch: OEXT/10086 | Analysis Method: EPA 8270 by SIM
QC Batch Method: EPA 3510 | Analysis Description: 8270 Water PAH by SIM MSSV
Associated Lab Samples: 4040688001, 4040688002, 4040688003, 4040688004, 4040688005

METHOD BLANK: 395577 | Matrix: Water
Associated Lab Samples: 4040688001, 4040688002, 4040688003, 4040688004, 4040688005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/L	<0.0053	0.050	12/14/10 11:43	
2-Methylnaphthalene	ug/L	0.0071J	0.050	12/14/10 11:43	
Acenaphthene	ug/L	<0.0048	0.050	12/14/10 11:43	
Acenaphthylene	ug/L	<0.0038	0.050	12/14/10 11:43	
Anthracene	ug/L	<0.0061	0.050	12/14/10 11:43	
Benzo(a)anthracene	ug/L	<0.0038	0.050	12/14/10 11:43	
Benzo(a)pyrene	ug/L	<0.0030	0.050	12/14/10 11:43	
Benzo(b)fluoranthene	ug/L	<0.0036	0.050	12/14/10 11:43	
Benzo(g,h,i)perylene	ug/L	<0.0051	0.050	12/14/10 11:43	
Benzo(k)fluoranthene	ug/L	<0.0046	0.050	12/14/10 11:43	
Chrysene	ug/L	<0.0037	0.050	12/14/10 11:43	
Dibenz(a,h)anthracene	ug/L	<0.0034	0.050	12/14/10 11:43	
Fluoranthene	ug/L	<0.0047	0.050	12/14/10 11:43	
Fluorene	ug/L	<0.0051	0.050	12/14/10 11:43	
Indeno(1,2,3-cd)pyrene	ug/L	<0.0050	0.050	12/14/10 11:43	
Naphthalene	ug/L	0.0096J	0.050	12/14/10 11:43	
Phenanthrene	ug/L	<0.0086	0.050	12/14/10 11:43	
Pyrene	ug/L	<0.0050	0.050	12/14/10 11:43	
2-Fluorobiphenyl (S)	%	71	23-130	12/14/10 11:43	
Terphenyl-d14 (S)	%	96	58-144	12/14/10 11:43	

LABORATORY CONTROL SAMPLE: 395578

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/L	.2	0.19	96	27-130	
2-Methylnaphthalene	ug/L	.2	0.18	90	27-130	
Acenaphthene	ug/L	.2	0.18	91	32-130	
Acenaphthylene	ug/L	.2	0.18	92	32-130	
Anthracene	ug/L	.2	0.18	90	27-130	
Benzo(a)anthracene	ug/L	.2	0.20	102	43-130	
Benzo(a)pyrene	ug/L	.2	0.19	93	57-130	
Benzo(b)fluoranthene	ug/L	.2	0.23	114	42-130	
Benzo(g,h,i)perylene	ug/L	.2	0.20	98	55-130	
Benzo(k)fluoranthene	ug/L	.2	0.19	96	66-138	
Chrysene	ug/L	.2	0.20	101	68-130	
Dibenz(a,h)anthracene	ug/L	.2	0.19	97	35-130	
Fluoranthene	ug/L	.2	0.20	101	44-130	
Fluorene	ug/L	.2	0.19	97	31-130	
Indeno(1,2,3-cd)pyrene	ug/L	.2	0.20	99	46-130	
Naphthalene	ug/L	.2	0.18	90	27-130	
Phenanthrene	ug/L	.2	0.20	100	30-130	

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QUALITY CONTROL DATA

Project: 0054263 FIRESTONE-MUSKEGO
Pace Project No.: 4040688

LABORATORY CONTROL SAMPLE: 395578

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Pyrene	ug/L	.2	0.20	99	40-130	
2-Fluorobiphenyl (S)	%			76	23-130	
Terphenyl-d14 (S)	%			94	58-144	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 395579 395580

Parameter	Units	4040681029 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1-Methylnaphthalene	ug/L	<0.047	.19	.19	0.084J	0.090J	29	33	11-130		50	
2-Methylnaphthalene	ug/L	<0.047	.19	.19	0.090J	0.088J	28	27	10-130		50	
Acenaphthene	ug/L	0.091	.19	.19	0.26	0.26	91	87	16-130	3	42	
Acenaphthylene	ug/L	<0.047	.19	.19	0.19	0.19	84	83	10-130	2	41	
Anthracene	ug/L	0.19	.19	.19	0.35	0.29	81	49	10-130	19	39	
Benzo(a)anthracene	ug/L	0.47	.19	.19	0.56	0.42	51	-24	54-130	29	20	D6,M1
Benzo(a)pyrene	ug/L	0.41	.19	.19	0.50	0.37	51	-21	55-130	31	20	D6,M1
Benzo(b)fluoranthene	ug/L	0.32	.19	.19	0.42	0.31	53	-7	48-130	31	23	D6,M1
Benzo(g,h,i)perylene	ug/L	0.23	.19	.19	0.36	0.28	68	26	53-130	25	21	D6,M1
Benzo(k)fluoranthene	ug/L	0.32	.19	.19	0.47	0.36	78	21	53-135	26	20	D6,M1
Chrysene	ug/L	0.40	.19	.19	0.49	0.38	50	-7	60-130	25	20	D6,M1
Dibenz(a,h)anthracene	ug/L	0.067	.19	.19	0.22	0.19	83	66	49-130	16	20	
Fluoranthene	ug/L	0.87	.19	.19	0.96	0.67	46	-107	34-130	36	33	D6,M1
Fluorene	ug/L	0.075	.19	.19	0.25	0.24	95	88	10-130	6	44	
Indeno(1,2,3-cd)pyrene	ug/L	0.20	.19	.19	0.33	0.26	70	32	50-130	24	20	D6,M1
Naphthalene	ug/L	0.061	.19	.19	0.10	0.098	21	20	10-130	4	50	
Phenanthrene	ug/L	0.59	.19	.19	0.78	0.57	102	-9	12-130	31	40	M1
Pyrene	ug/L	0.76	.19	.19	0.86	0.61	52	-77	41-130	33	29	D6,M1
2-Fluorobiphenyl (S)	%						65	73	23-130			
Terphenyl-d14 (S)	%						92	87	58-144			

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QUALITY CONTROL DATA

Project: 0054263 FIRESTONE-MUSKEGO
Pace Project No.: 4040688

QC Batch: MSV/9854 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 4040688001, 4040688002, 4040688003, 4040688004, 4040688005, 4040688006

METHOD BLANK: 395310 Matrix: Water
Associated Lab Samples: 4040688001, 4040688002, 4040688003, 4040688004, 4040688005, 4040688006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.92	1.0	12/14/10 06:56	
1,1,1-Trichloroethane	ug/L	<0.90	1.0	12/14/10 06:56	
1,1,2,2-Tetrachloroethane	ug/L	<0.20	1.0	12/14/10 06:56	
1,1,2-Trichloroethane	ug/L	<0.42	1.0	12/14/10 06:56	
1,1-Dichloroethane	ug/L	<0.75	1.0	12/14/10 06:56	
1,1-Dichloroethene	ug/L	<0.57	1.0	12/14/10 06:56	
1,1-Dichloropropene	ug/L	<0.75	1.0	12/14/10 06:56	
1,2,3-Trichlorobenzene	ug/L	<0.74	1.0	12/14/10 06:56	
1,2,3-Trichloropropane	ug/L	<0.99	1.0	12/14/10 06:56	
1,2,4-Trichlorobenzene	ug/L	<0.97	1.0	12/14/10 06:56	
1,2,4-Trimethylbenzene	ug/L	<0.97	1.0	12/14/10 06:56	
1,2-Dibromo-3-chloropropane	ug/L	<1.7	5.0	12/14/10 06:56	
1,2-Dibromoethane (EDB)	ug/L	<0.56	1.0	12/14/10 06:56	
1,2-Dichlorobenzene	ug/L	<0.83	1.0	12/14/10 06:56	
1,2-Dichloroethane	ug/L	<0.36	1.0	12/14/10 06:56	
1,2-Dichloropropane	ug/L	<0.49	1.0	12/14/10 06:56	
1,3,5-Trimethylbenzene	ug/L	<0.83	1.0	12/14/10 06:56	
1,3-Dichlorobenzene	ug/L	<0.87	1.0	12/14/10 06:56	
1,3-Dichloropropane	ug/L	<0.61	1.0	12/14/10 06:56	
1,4-Dichlorobenzene	ug/L	<0.95	1.0	12/14/10 06:56	
2,2-Dichloropropane	ug/L	<0.62	1.0	12/14/10 06:56	
2-Chlorotoluene	ug/L	<0.85	1.0	12/14/10 06:56	
4-Chlorotoluene	ug/L	<0.74	1.0	12/14/10 06:56	
Benzene	ug/L	<0.41	1.0	12/14/10 06:56	
Bromobenzene	ug/L	<0.82	1.0	12/14/10 06:56	
Bromochloromethane	ug/L	<0.97	1.0	12/14/10 06:56	
Bromodichloromethane	ug/L	<0.56	1.0	12/14/10 06:56	
Bromoform	ug/L	<0.94	1.0	12/14/10 06:56	
Bromomethane	ug/L	<0.91	1.0	12/14/10 06:56	
Carbon tetrachloride	ug/L	<0.49	1.0	12/14/10 06:56	
Chlorobenzene	ug/L	<0.41	1.0	12/14/10 06:56	
Chloroethane	ug/L	<0.97	1.0	12/14/10 06:56	
Chloroform	ug/L	<1.3	5.0	12/14/10 06:56	
Chloromethane	ug/L	<0.24	1.0	12/14/10 06:56	
cis-1,2-Dichloroethene	ug/L	<0.83	1.0	12/14/10 06:56	
cis-1,3-Dichloropropene	ug/L	<0.20	1.0	12/14/10 06:56	
Dibromochloromethane	ug/L	<0.81	1.0	12/14/10 06:56	
Dibromomethane	ug/L	<0.60	1.0	12/14/10 06:56	
Dichlorodifluoromethane	ug/L	<0.99	1.0	12/14/10 06:56	
Diisopropyl ether	ug/L	<0.76	1.0	12/14/10 06:56	
Ethylbenzene	ug/L	<0.54	1.0	12/14/10 06:56	
Hexachloro-1,3-butadiene	ug/L	<0.67	5.0	12/14/10 06:56	
Isopropylbenzene (Cumene)	ug/L	<0.59	1.0	12/14/10 06:56	

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QUALITY CONTROL DATA

Project: 0054263 FIRESTONE-MUSKEGO
Pace Project No.: 4040688

METHOD BLANK: 395310 Matrix: Water

Associated Lab Samples: 4040688001, 4040688002, 4040688003, 4040688004, 4040688005, 4040688006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
m&p-Xylene	ug/L	<1.8	2.0	12/14/10 06:56	
Methyl-tert-butyl ether	ug/L	<0.61	1.0	12/14/10 06:56	
Methylene Chloride	ug/L	<0.43	1.0	12/14/10 06:56	
n-Butylbenzene	ug/L	<0.93	1.0	12/14/10 06:56	
n-Propylbenzene	ug/L	<0.81	1.0	12/14/10 06:56	
Naphthalene	ug/L	<0.89	5.0	12/14/10 06:56	
o-Xylene	ug/L	<0.83	1.0	12/14/10 06:56	
p-Isopropyltoluene	ug/L	<0.67	1.0	12/14/10 06:56	
sec-Butylbenzene	ug/L	<0.89	5.0	12/14/10 06:56	
Styrene	ug/L	<0.86	1.0	12/14/10 06:56	
tert-Butylbenzene	ug/L	<0.97	1.0	12/14/10 06:56	
Tetrachloroethene	ug/L	<0.45	1.0	12/14/10 06:56	
Toluene	ug/L	<0.67	1.0	12/14/10 06:56	
trans-1,2-Dichloroethene	ug/L	<0.89	1.0	12/14/10 06:56	
trans-1,3-Dichloropropene	ug/L	<0.19	1.0	12/14/10 06:56	
Trichloroethene	ug/L	<0.48	1.0	12/14/10 06:56	
Trichlorofluoromethane	ug/L	<0.79	1.0	12/14/10 06:56	
Vinyl chloride	ug/L	<0.18	1.0	12/14/10 06:56	
4-Bromofluorobenzene (S)	%	86	69-130	12/14/10 06:56	
Dibromofluoromethane (S)	%	89	70-134	12/14/10 06:56	
Toluene-d8 (S)	%	98	70-130	12/14/10 06:56	

LABORATORY CONTROL SAMPLE & LCSD: 395311 395312

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/L	50	61.6	62.1	123	124	70-132	.9	20	
1,1,2,2-Tetrachloroethane	ug/L	50	50.9	52.0	102	104	63-130	2	20	
1,1,2-Trichloroethane	ug/L	50	55.6	56.6	111	113	70-130	2	20	
1,1-Dichloroethane	ug/L	50	59.3	60.0	119	120	70-132	1	20	
1,1-Dichloroethene	ug/L	50	59.2	58.2	118	116	70-137	2	20	
1,2-Dichloroethane	ug/L	50	62.8	63.2	126	126	70-130	.6	20	
1,2-Dichloropropane	ug/L	50	56.9	57.1	114	114	70-130	.4	20	
Benzene	ug/L	50	56.5	56.7	113	113	70-130	.3	20	
Bromodichloromethane	ug/L	50	60.0	61.7	120	123	70-131	3	20	
Bromoform	ug/L	50	46.5	47.3	93	95	70-130	2	20	
Bromomethane	ug/L	50	53.6	55.7	107	111	53-160	4	20	
Carbon tetrachloride	ug/L	50	57.9	58.6	116	117	70-130	1	20	
Chlorobenzene	ug/L	50	54.1	54.4	108	109	70-130	.6	20	
Chloroethane	ug/L	50	60.2	60.2	120	120	70-147	.01	20	
Chloroform	ug/L	50	57.4	57.8	115	116	70-130	.7	20	
Chloromethane	ug/L	50	49.5	48.0	99	96	41-137	3	20	
cis-1,2-Dichloroethene	ug/L	50	51.6	53.0	103	106	70-130	3	20	
cis-1,3-Dichloropropene	ug/L	50	49.4	52.2	99	104	70-130	5	20	
Dibromochloromethane	ug/L	50	54.1	54.3	108	109	70-130	.4	20	
Ethylbenzene	ug/L	50	60.6	60.3	121	121	70-130	.5	20	

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Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 0054263 FIRESTONE-MUSKEGO
Pace Project No.: 4040688

LABORATORY CONTROL SAMPLE & LCSD: 395311 395312

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
m&p-Xylene	ug/L	100	115	114	115	114	70-130	.6	20	
Methylene Chloride	ug/L	50	57.0	56.2	114	112	70-130	1	20	
o-Xylene	ug/L	50	54.6	54.5	109	109	70-130	.2	20	
Styrene	ug/L	50	55.7	55.5	111	111	70-130	.4	20	
Tetrachloroethene	ug/L	50	53.2	53.9	106	108	70-130	1	20	
Toluene	ug/L	50	58.5	58.2	117	116	70-130	.6	20	
trans-1,2-Dichloroethene	ug/L	50	59.4	60.1	119	120	70-130	1	20	
trans-1,3-Dichloropropene	ug/L	50	47.9	49.6	96	99	70-130	4	20	
Trichloroethene	ug/L	50	57.6	59.7	115	119	70-130	4	20	
Vinyl chloride	ug/L	50	48.0	47.7	96	95	47-131	.6	20	
4-Bromofluorobenzene (S)	%				92	91	69-130			
Dibromofluoromethane (S)	%				97	93	70-134			
Toluene-d8 (S)	%				100	98	70-130			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 395561 395562

Parameter	Units	4040688003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	<0.90	50	50	71.0	62.8	142	126	70-132	12	20	M1
1,1,2,2-Tetrachloroethane	ug/L	<0.20	50	50	59.5	53.7	119	107	61-130	10	20	
1,1,2-Trichloroethane	ug/L	<0.42	50	50	63.1	57.8	126	116	70-130	9	20	
1,1-Dichloroethane	ug/L	<0.75	50	50	66.5	59.7	133	119	70-132	11	20	M1
1,1-Dichloroethene	ug/L	<0.57	50	50	63.0	57.5	126	115	70-137	9	20	
1,2-Dichloroethane	ug/L	<0.36	50	50	69.8	63.2	140	126	70-133	10	20	M1
1,2-Dichloropropane	ug/L	<0.49	50	50	64.7	59.6	129	119	70-130	8	20	
Benzene	ug/L	<0.41	50	50	63.0	56.9	126	114	70-130	10	20	
Bromodichloromethane	ug/L	<0.56	50	50	69.0	61.3	138	123	70-131	12	20	M1
Bromoform	ug/L	<0.94	50	50	50.8	44.9	102	90	68-130	12	20	
Bromomethane	ug/L	<0.91	50	50	60.5	56.3	121	113	47-177	7	20	
Carbon tetrachloride	ug/L	<0.49	50	50	66.5	59.6	133	119	70-149	11	20	
Chlorobenzene	ug/L	<0.41	50	50	61.7	53.7	123	107	70-130	14	20	
Chloroethane	ug/L	<0.97	50	50	65.8	58.0	132	116	66-147	13	20	
Chloroform	ug/L	<1.3	50	50	64.9	57.7	130	115	70-130	12	20	
Chloromethane	ug/L	<0.24	50	50	51.8	46.5	104	93	41-137	11	20	
cis-1,2-Dichloroethene	ug/L	<0.83	50	50	59.9	52.9	120	106	70-130	12	20	
cis-1,3-Dichloropropene	ug/L	<0.20	50	50	59.5	50.7	119	101	70-130	16	20	
Dibromochloromethane	ug/L	<0.81	50	50	61.1	53.2	122	106	70-130	14	20	
Ethylbenzene	ug/L	<0.54	50	50	67.4	58.2	135	116	70-130	15	20	M1
m&p-Xylene	ug/L	<1.8	100	100	120	103	120	103	70-130	15	20	
Methylene Chloride	ug/L	<0.43	50	50	65.2	57.1	130	114	70-130	13	20	
o-Xylene	ug/L	<0.83	50	50	59.3	52.3	119	105	70-130	13	20	
Styrene	ug/L	<0.86	50	50	27.5	22.1	55	44	13-149	22	20	D6
Tetrachloroethene	ug/L	<0.45	50	50	64.0	55.0	128	110	70-130	15	20	
Toluene	ug/L	<0.67	50	50	65.2	57.5	130	115	70-130	13	20	
trans-1,2-Dichloroethene	ug/L	<0.89	50	50	66.0	58.7	132	117	70-130	12	20	M1
trans-1,3-Dichloropropene	ug/L	<0.19	50	50	56.7	48.4	113	97	70-130	16	20	
Trichloroethene	ug/L	<0.48	50	50	66.8	57.8	134	116	70-130	14	20	M1

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Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 0054263 FIRESTONE-MUSKEGO
Pace Project No.: 4040688

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 395561 395562

Parameter	Units	4040688003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Vinyl chloride	ug/L	<0.18	50	50	51.9	47.6	104	95	46-131	9	20	
4-Bromofluorobenzene (S)	%						91	90	69-130			
Dibromofluoromethane (S)	%						95	94	70-134			
Toluene-d8 (S)	%						98	97	70-130			

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QUALIFIERS

Project: 0054263 FIRESTONE-MUSKEGO
Pace Project No.: 4040688

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.

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

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

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

ANALYTE QUALIFIERS

1q	There was no sample volume available for reextraction and reanalysis.
B	Analyte was detected in the associated method blank.
D6	The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
S0	Surrogate recovery outside laboratory control limits.
Z3	Methylene chloride is a common laboratory contaminant. Results for this analyte should be considered estimated unless the amount found in the sample is 3 to 5 times higher than that found in the method blank.
pH	Post-analysis pH measurement indicates insufficient VOA sample preservation.

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UPPER MIDWEST REGION
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JBF

4040688

CHAIN OF CUSTODY

*Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

(Please Print Clearly)

Company Name:	PSI
Branch/Location:	Pewaukee
Project Contact:	Matt Dahlem
Phone:	262-347-0898
Project Number:	0054263
Project Name:	Firestone - Muskego
Project State:	WI
Sampled By (Print):	Matt Dahlem
Sampled By (Sign):	Matt [signature]
PO #:	
Regulatory Program:	

Quote #:	
Mail To Contact:	Matt Dahlem
Mail To Company:	
Mail To Address:	
Invoice To Contact:	Matt Dahlem
Invoice To Company:	
Invoice To Address:	
Invoice To Phone:	

Data Package Options (billable)
- ☐ EPA Level III
- ☐ EPA Level IV

MS/MSD
- ☐ On your sample (billable)
- ☐ NOT needed on your sample

Matrix Codes
A = Air, B = Biota, C = Charcoal, O = Oil, S = Soil, SI = Sludge, W = Water, DW = Drinking Water, GW = Ground Water, SW = Surface Water, WW = Waste Water, WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	VOC	PAH	Dissolved Lead	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
FILTERED? (YES/NO) Y/N					N	N	Y			
PRESERVATION (CODE)* Pick Letter										
001	MW-2	12/7/10	1100	GW	X	X	X		1-1Lag A, 1-250mL D, 3-40mL B	
002	MW-4	↓	1200	↓	X	X	X		↓	
003	MW-5	↓	1300	↓	X	X	X		↓	
004	MW-11	↓	1400	↓	X	X	X		↓	
005	MW-12	↓	1500	↓	X	X	X		↓	
006	Trip Blank	—	—	W	X				2-40mL B	

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:

Transmit Prelim Rush Results by (complete what you want):

Email #1:	
Email #2:	
Telephone:	
Fax:	

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
Matt [signature]	12/10/10 0900	D. Fauel	12/10/10 0900
D. Fauel	12/10/10 1700		
CS Logistics	12/11/10 0835	[signature]	12/11/10 0835

PACE Project No. 4040688

Receipt Temp = A01 °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal Present / Not Present Intact / Not Intact

Version 6.0 06/14/06

Pace Analytical Services, Inc.
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

Pace Analytical

Sample Condition Upon Receipt

Client Name: PSI Project # 4040688

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

Tracking #: _____

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

Custody Seal on Samples Present: ☐ yes ☑ no Seals intact: ☐ yes ☑ no

Packing Material: ☑ Bubble Wrap ☑ Bubble Bags ☐ None Other

Thermometer Used NA/R07 **Type of Ice:** Wet Blue Dry None ☑ Samples on ice, cooling process has begun

Cooler Temperature _____ **Biological Tissue is Frozen:** ☐ yes ☑ no

Temp Blank Present: ☑ yes ☐ no

Temp should be above freezing to 6°C for all sample except Biota.
Biota Samples should be received ≤ 0°C.

Optional
Proj. Due Date:
Proj. Name:

Person examining contents:
Date: 12-11-10
Initials: BK

		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. MRW 12/11 PAH's up hold 12/14 MRW 12/14
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: -Includes date/time/ID/Analysis Matrix: W	☑Yes ☐No ☐N/A	12.
All containers needing preservation have been checked.	☑Yes ☐No ☐N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☑Yes ☐No ☐N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☐Yes ☐No	Initial when completed BK / Lot # of added preservative
Samples checked for dechlorination:	☐Yes ☐No ☑N/A	14.
Headspace 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: LMW **Date:** 12/13/10

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)