June 13, 2012

Ms. Danielle Wincentsen
Remediation & Redevelopment Program
Wisconsin Department of Natural Resources
223 E. Steinfest Road
Antigo, WI 54409

RE: SUPERIOR MANUFACTURED GAS PLANT
WDNR BRRTs #02-16-275446

Dear Ms. Wincentsen:

Enclosed with this letter is the 2011 Annual Groundwater Monitoring Report for the former manufactured gas plant located near the intersection of Winter and Water Streets in Superior, WI. The report was prepared by Summit Envirosolutions, Inc., Superior Water Ligh t and Power company's environmental consultant on this project.

We have also sent a copy of this report to Mr. Jamie Dunn of your Spooner office via email.

If you have any questions regarding the information contained in this report or would like additional information, please contact me at 651-842-4229.

Thank you.

Sincerely,

Summit Envirosolutions, Inc.

William M. Gregg

William M. Gregg
Program Manager
cc: Jamie Dunn, WDNR-Spooner
David Weber, Superior Water Light and Power Company

2011 Annual Groundwater Monitoring Report for the Former SWL&P Manufactured Gas Plant Superior, Wisconsin

WDNR BRRTs # 02-16-275446

Prepared for:

Superior Water Light and Power Company
2915 Hill Avenue
Superior Wisconsin 54880

Prepared by:

Summit Envirosolutions, Inc.
1217 Bandana Blvd.
St. Paul, Minnesota 55108
June 2012

Summit Envirosolutions

2011 Annual Groundwater Monitoring Report for the Former SWL&P Manufactured Gas Plant Superior, Wisconsin

WDNR BRRTs # 02-16-275446

6/12/12
Prepared By Peter Bell

William M. Gregg 6/12/12
Reviewed By William M. Gregg, PG

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1.0 Introduction

This report presents the results of groundwater monitoring completed in 2011 at the Superior Water Light & Power (SWL&P) Former Manufactured Gas Plant (MGP), located at the intersection of Winter Street and East 1st Street in Superior, Wisconsin. The site location is shown in **Figure 1**.

The groundwater monitoring follows the methodologies outlined in the Site Investigation Work Plan submitted to the Wisconsin Department of Natural Resources (WDNR) in November 2001. Groundwater samples were collected from ten monitoring wells in April 2011 and 15 wells in November 2011

2.0 Methodology

2.1 Monitoring Well Gauging

Groundwater level measurements were collected from the wells prior to sampling using an interface probe or electric tape. No light or dense non-aqueous phase liquids (NAPL) were detected in any of the wells. The water level measurements were made from a surveyed measuring point established on the north side of the top of the PVC well casing.

2.2 Groundwater Sampling

Groundwater samples were collected from ten monitoring wells on April 13 and 14, 2011 and on November 3 and 4, 2011. During both the April and November sampling events, the nine "remedial assessment" wells (MW-6, MW-7, MW-8, MW-9, MW-10, MW-11, MW-15, MW-20, and MW-22) were sampled. During the 2011 sampling events, several upgradient wells were sampled to provide recent groundwater quality data. In April MW-4 was sampled and in November wells MW-1, MW-2, MW-3, MW-5, MW-13 and MW-14 were sampled in addition to the nine remediation wells.

Groundwater samples were collected in general accordance with the WDNR "Groundwater Sampling Field Manual," September 1996. Groundwater samples were collected using a low-flow sampling technique. Before sampling, each monitoring well was purged using a peristaltic pump and dedicated new tubing until groundwater water quality parameters stabilized. Water quality measurements, including pH, specific conductivity, temperature, turbidity, oxidation–reduction potential, and dissolved oxygen were measured with a Horiba U-52 water quality meter equipped with a flow-through cell. The stabilized water quality measurements were recorded on the Groundwater Sample Collection Records included as **Appendix A**. After water quality readings stabilized, samples were collected from each well using the peristaltic pump and placed directly into laboratory-supplied containers. The samples were stored on ice in coolers and were delivered under chain-of-custody to Pace Analytical in Minneapolis, Minnesota. The samples were submitted for analysis of volatile organic compounds (VOC) by EPA method 8260b and polyaromatic hydrocarbons (PAH) by EPA method 8270 SIM.

2.3 Decontamination Procedures

The water level meter was decontaminated prior to each use with a detergent wash followed by a potable water rinse. All other equipment and supplies used during sampling were disposable and used only on one well. Therefore, no other decontamination was necessary.

3.0 Results

3.1 Hydrogeology

The April and November groundwater elevations are summarized in **Table 1** and **Table 2**, respectively. The April and November groundwater elevations and contours are illustrated on a site plan on **Figure 2** and **Figure 3**, respectively. No light or dense NAPL was measured in the wells during the 2011 sampling events. No measurable NAPL has ever been detected in the wells.

The April 2011 groundwater elevations ranged from 600.40 feet above mean sea level (ft msl) in MW-15 to 613.01 ft msl in MW-1. The November groundwater elevations were generally higher than in April, usually by less than a foot (Table 2). Only wells MW-6 and MW-13 showed lower groundwater elevations in November. Based on the 2011 groundwater elevations, the groundwater flow direction appears to be to the northeast towards Superior Bay. This is consistent with the previously measured groundwater elevations and interpreted groundwater flow direction.

Wells MW-1, MW-2, MW-3, MW-4, MW-13, and MW-14 are screened in the native red clay soil prevalent throughout the Superior area. The remaining wells are screened in fill materials that were used over 100 years ago to create land along the Superior Bay shoreline. Prior studies at the Superior MGP have reported slug test results on the monitoring wells with low hydraulic conductivities in the clay and moderate hydraulic conductivities in the fill materials. The combination of hydraulic conductivity and gradients at the site result in low groundwater flow velocities and relatively little groundwater moving through the site.

3.2 Groundwater Sampling Results

Groundwater samples from the 2011 sampling events were submitted to Pace Analytical for PAH and VOC laboratory analysis. The complete laboratory analytical reports are included in **Appendix C**. **Table 3** provides a summary of the groundwater analytical results for VOC and PAH for all site wells (results since 2002 including both 2011 sampling rounds). The groundwater results were compared to the applicable WDNR groundwater standards (NR 140, Table 1 Enforcement Standards).

A review of the 2011 analytical results compared to prior years indicated that the same VOC and PAH compounds exceeded the WDNR groundwater standards in one or more wells, and included the following:

Benzene	Benzo(a)pyrene
Naphthalene	Benzo(a)pyrene
Styrene	Benzo(b)fluoranthene
Toluene	Chrysene
1,2,4-Trimethylbenzene	Xylene
Ethylbenzene	

Benzene was the VOC which most commonly exceeded the applicable WDNR groundwater standard (the benzene standard is 5 micrograms per liter (ug/L)). The April and November 2011 benzene results and estimated extent of benzene concentrations greater than 5 ug/l are illustrated on **Figure 4** and **Figure 5**, respectively. The wells with the highest benzene concentrations also tended to have the highest concentrations of other VOCs. Thus, benzene is a good indicator of the general magnitude and extent of the VOC plume.

The PAH results and estimated extent of PAH concentrations that exceeded the WDNR groundwater standards from the April and November 2011 sampling events are illustrated on **Figure 6** and **Figure 7**, respectively.

3.3 Discussion of Results

The extent of VOCs in groundwater has been delineated to the applicable WDNR groundwater standards as illustrated on Figures 3 and 4. Benzene is the most frequently detected VOC and has the greatest magnitude and extent. The VOC plume is located at the source area near the former MGP building and downgradient to the Superior Bay boat slip. The extent of the benzene plume, as shown by the limit of the 5 ug/l contour on Figures 3 and 4, is well defined and appears to be stable. Benzene concentrations have been variable in the groundwater over time, which may be related to the remedial excavation and Cool Ox treatment, variable groundwater elevations, and for the wells near Superior Bay (such as MW-15 and MW-20) variable lake elevations. There may be short-term reversals in groundwater flow direction close to the shoreline.

The extent of dissolved PAH in groundwater was delineated to the applicable WDNR groundwater standards as illustrated on Figure 4. The dissolved PAH plume appears to extend from the former MGP wastewater discharge area (the area excavated in December 2008) downgradient to the east. The dissolved PAH plume is stable and has a more limited extent than the VOC plume.

The majority of VOC impacts are found in the same general location as the PAH impacts, except that the VOC impacts are greater in aerial extent.

3.4 Quality Assurance and Quality Control Samples

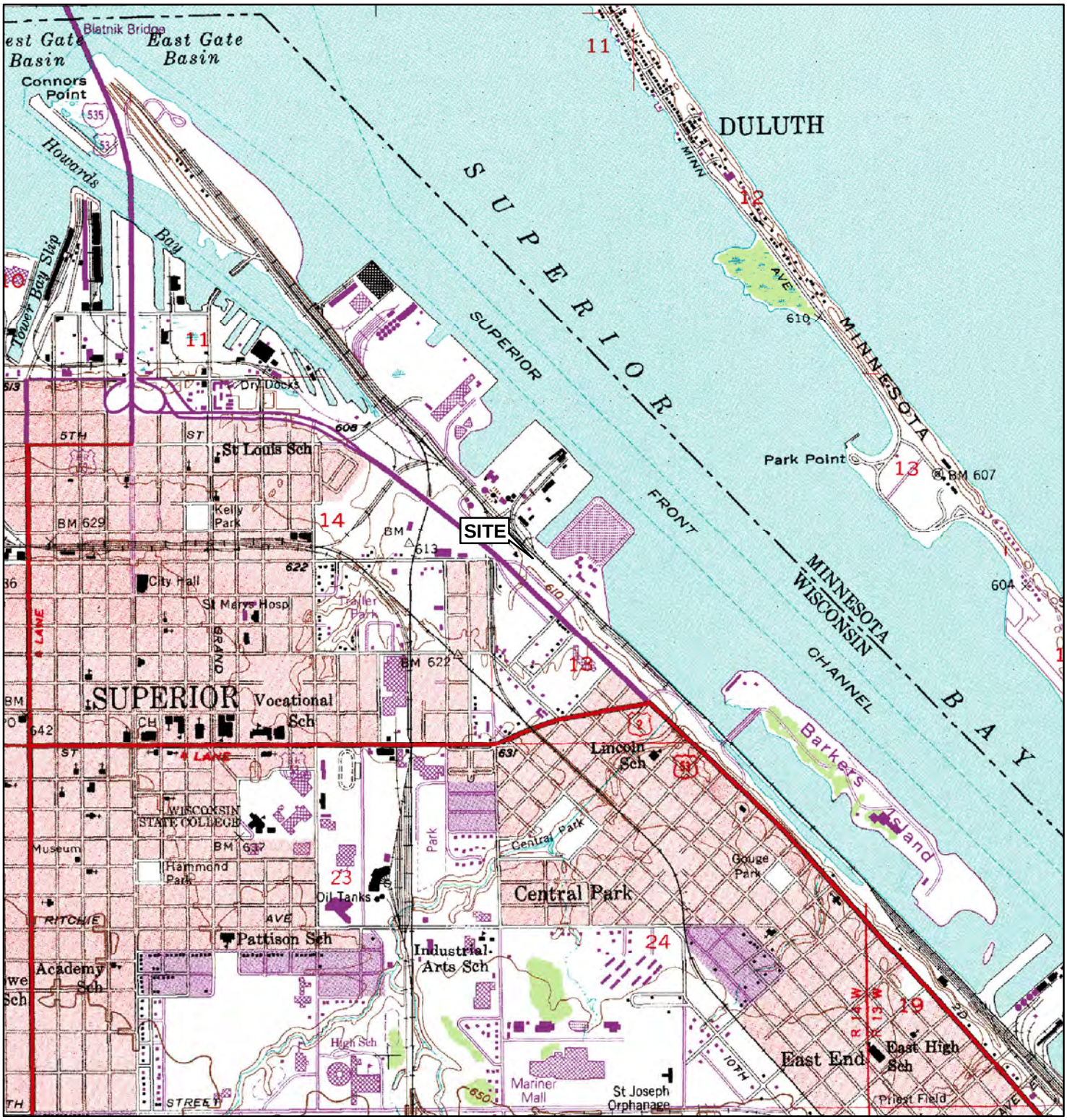
Quality assurance and quality control (QA/QC) samples were collected to help confirm that accurate and reliable data was obtained for this investigation. The laboratory conducted standard QA/QC procedures. In addition, one field duplicate was collected each sampling event (MW-7 in April and MW-5 in November) and was analyzed for VOC and PAH. A trip blank accompanied each sample shipment and was analyzed for VOC. No VOCs were detected in the trip blanks. The complete results for QA/QC samples can be found in the laboratory analytical reports.

4.0 Summary and Conclusion

As shown on Figures 4 through 7, the extent of VOC and PAH in the groundwater has been delineated and the extent has remained stable since sampling commenced in 2002. This result is expected given the long period of time that has elapsed since the MGP ceased operations in 1904. The VOC detected most frequently and with the highest concentrations in the groundwater was benzene. Naphthalene was the most frequently detected, highest concentration PAH compound detected. The VOC and PAH plumes are comingled and are located in the same general area, except the VOC plume is greater in extent. The groundwater VOC and PAH plumes appear to originate near the former MGP building in the area remediated in December 2008 and extend downgradient with the groundwater flow direction and along the former Superior Bay shoreline (along the railroad tracks). There are also localized areas of VOC in groundwater (and soil) around wells MW-3 and MW-4 that do not appear to have migrated or changed concentrations since monitoring began in 2002.

Additional groundwater monitoring will enable an evaluation of trends in groundwater quality over time. The slow groundwater velocity allows natural attenuation mechanisms to limit the distance PAH and VOC travel. Semiannual sampling of the nine remedial assessment wells is planned.

Figures



Map adapted from USGS 7.5 minute topographic map(s): Superior, WI.

Legend

Site Location

0 2,000 Feet

1 inch = 2,000 feet

GENERAL SITE LOCATION MAP

Superior Water Light & Power MGP
Superior, Wisconsin

Summit Envirosolutions

Figure 1

File: Fig1_GenSiteLoc
Summit Proj. No.: 2118-0001
Plot Date: 12-29-11
Arc Operator: PRB
Reviewed by: BMG

Map adapted from LMIC WMS:2009 Northeast Minnesota, 50-cm Resolution, Digital Orthorectified Images, Duluth (DNR)

Legend

A **Monitoring Well**
(Monitoring Well With Groundwater Elevation (04/13/2011) in Feet Above Mean Sea Level)

Groundwater Elevation
(Groundwater Elevation Contour Lines - 04/13/2011)

0 120 240 Feet

1 inch = 120 feet

Groundwater Elevation Map (April 2011)

Superior Water Light & Power MGP
Superior, Wisconsin

Figure 2

File: 20120103_Fig2_Aprl11GWE
Summit Proj. No.: 2118-0001
Plot Date: 01-04-12
Arc Operator: PRB
Reviewed by: BMG

Summit Envirosolutions

Map adapted from LMIC WMS:2009 Northeast Minnesota, 50-cm Resolution, Digital Orthorectified Images, Duluth (DNR)

Legend

A **Monitoring Well**
(Monitoring Well With Groundwater Elevation (11/03/2011) in Feet Above Mean Sea Level)

Groundwater Elevation
(Groundwater Elevation Contour Lines - 11/03/2011)

Site Location

0 120 240 Feet

1 inch = 120 feet

Groundwater Elevation Map (November 2011)

Superior Water Light & Power MGP
Superior, Wisconsin

Figure 3

File: 20120104_Fig3_Aprl11GWE
Summit Proj. No.: 2118-0001
Plot Date: 01-04-12
Arc Operator: PRB
Reviewed by: BMG

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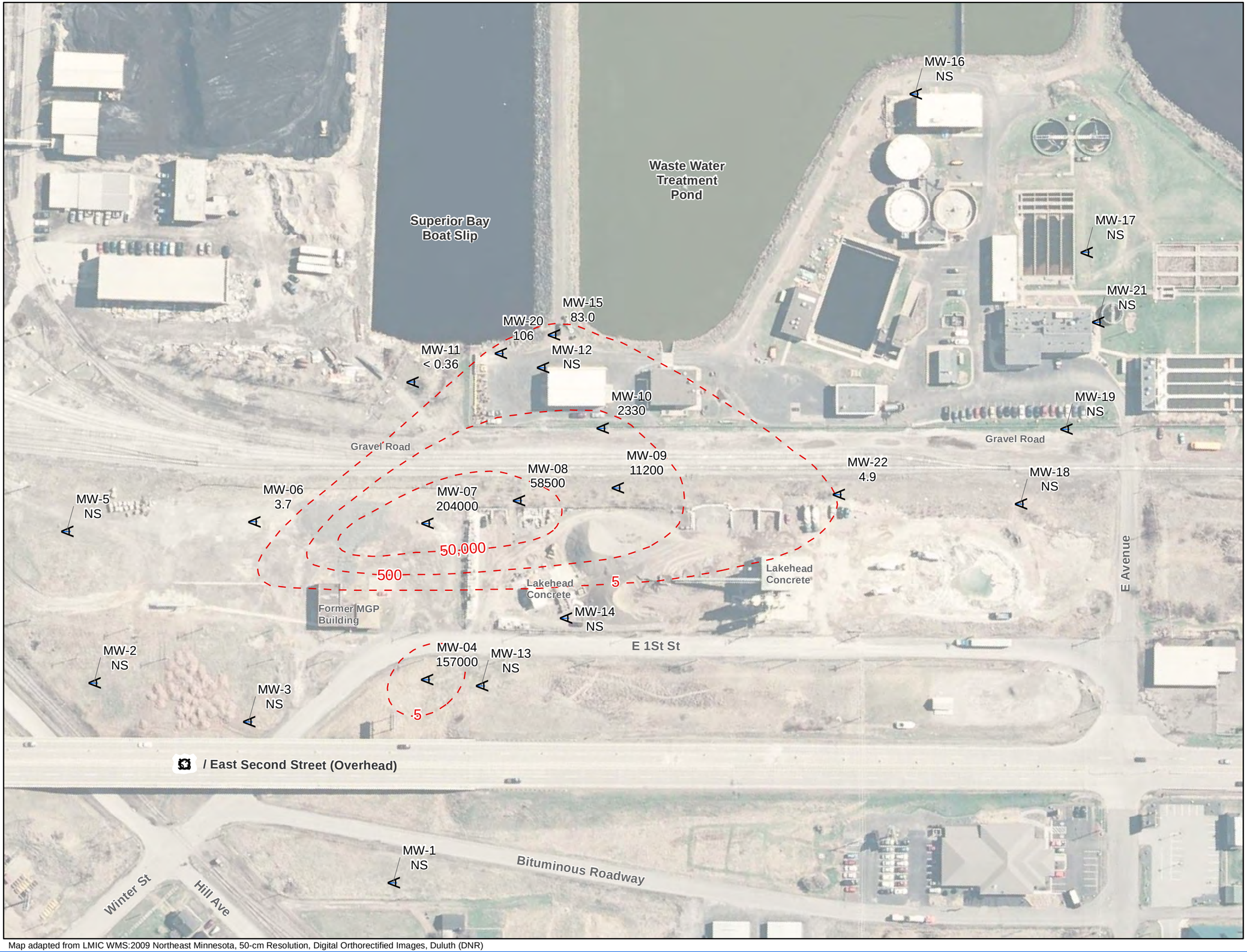

Map adapted from LMIC WMS:2009 Northeast Minnesota, 50-cm Resolution, Digital Orthorectified Images, Duluth (DNR)

Legend

A **Monitoring Well**

(Monitoring well with benzene concentration in groundwater)

Benzene (04/14/11)

(Estimated benzene isoconcentration line in parts per billion (ug/L))

Notes: Benzene concentrations are from the April 2011 monitoring well sampling event. Benzene concentrations are reported in parts per billion (ug/L). Benzene Enforcement Standard = 5 ug/L. ND = not detected above laboratory

Site Location

0 120 240 Feet

1 inch = 120 feet

Estimated Extent of Benzene in Groundwater (April 2011)

Superior Water Light & Power MGP
Superior, Wisconsin

Figure 4

File: 20111229_Fig4_Aprl11Benz
Summit Proj. No.: 2118-0001
Plot Date: 12-29-11
Arc Operator: PRB
Reviewed by: BMG

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Map adapted from LMIC WMS:2009 Northeast Minnesota, 50-cm Resolution, Digital Orthorectified Images, Duluth (DNR)

Legend

Monitoring Well

(Monitoring well with benzene concentration in groundwater)

Benzene (11/04/11)

(Estimated benzene isoconcentration line in parts per billion (ug/L))

Notes: Benzene concentrations are from the November 2011 monitoring well sampling event. Benzene concentrations are reported in parts per billion (ug/L). Benzene Enforcement Standard = 5 ug/L. ND = not detected above laboratory

Site Location

0 120 240 Feet

1 inch = 120 feet

Estimated Extent of Benzene in Groundwater (November 2011)

Superior Water Light & Power MGP
Superior, Wisconsin

Figure 5

File: 20111229_Fig5_Nov11Benz
Summit Proj. No.: 2118-0001
Plot Date: 12-29-11
Arc Operator: PRB
Reviewed by: BMG

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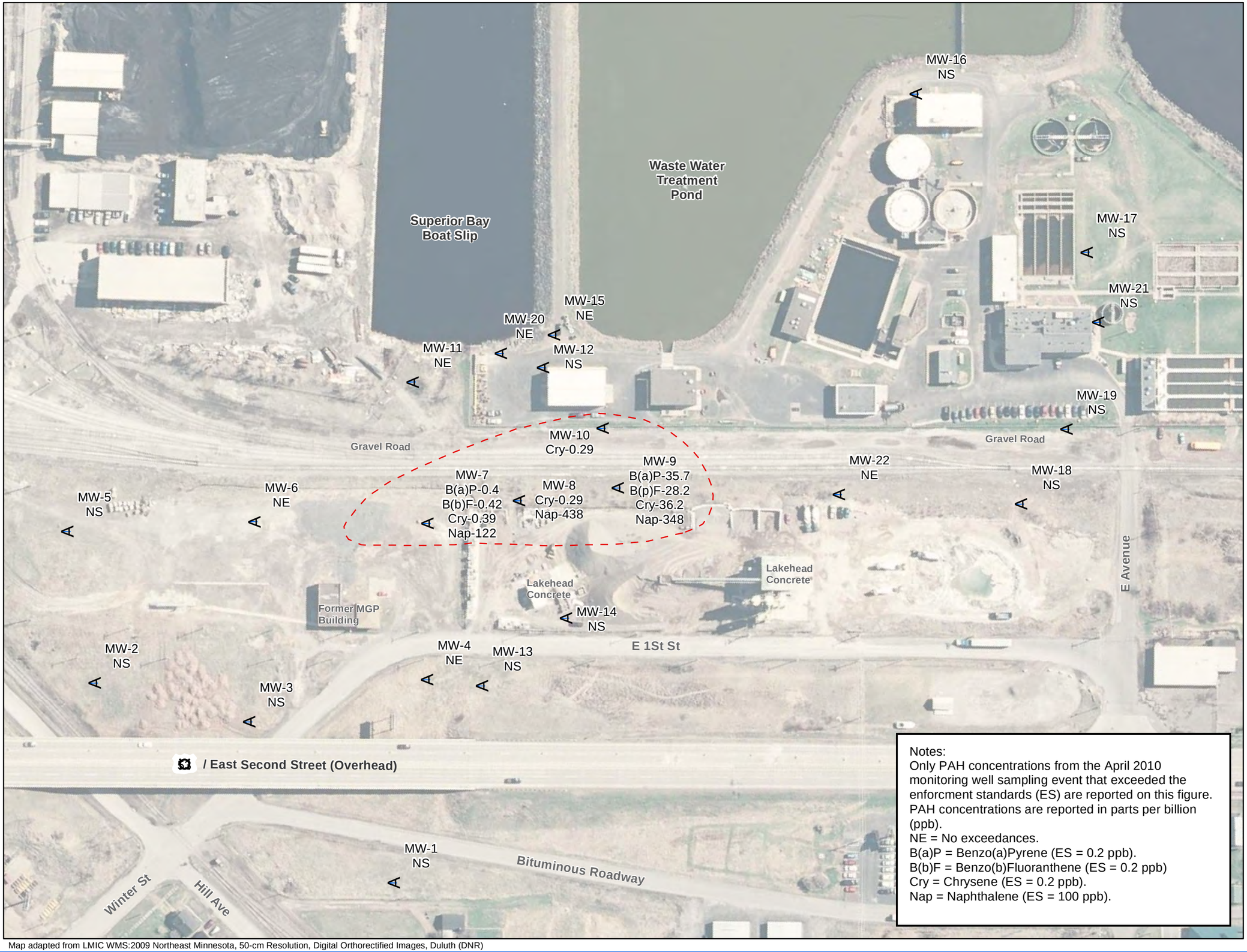

Map adapted from LMIC WMS:2009 Northeast Minnesota, 50-cm Resolution, Digital Orthorectified Images, Duluth (DNR)

Legend

A **Monitoring Well**

Monitoring well with PAH concentration in groundwater.

20110414_PAH

Estimated extent where one or more PAH concentration exceeded the groundwater enforcement standard.

Site Location

0 120 240 Feet

1 inch = 120 feet

Estimated Extent of PAH in Groundwater - April 2011

Superior Water Light & Power MGP
Superior, Wisconsin

Figure 6

File: 20111229_Fig6_Aprl11PAH
Summit Proj. No.: 2118-0001
Plot Date: 12-29-11
Arc Operator: PRB
Reviewed by: BMG

Notes:
Only PAH concentrations from the April 2010 monitoring well sampling event that exceeded the enforcment standards (ES) are reported on this figure.
PAH concentrations are reported in parts per billion (ppb).
NE = No exceedances.
B(a)P = Benzo(a)Pyrene (ES = 0.2 ppb).
B(b)F = Benzo(b)Fluoranthene (ES = 0.2 ppb)
Cry = Chrysene (ES = 0.2 ppb).
Nap = Naphthalene (ES = 100 ppb).

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Map adapted from LMIC WMS:2009 Northeast Minnesota, 50-cm Resolution, Digital Orthorectified Images, Duluth (DNR)

Legend

A Monitoring Well

Monitoring well with PAH concentration in groundwater.

PAH (11/04/11)

Estimated extent where one or more PAH concentration exceeded the groundwater enforcement standard.

Site Location

0 120 240 Feet

1 inch = 120 feet

Estimated Extent of PAH in Groundwater - November 2011

Superior Water Light & Power MGP
Superior, Wisconsin

Figure 7

File: 20111229_Fig7_Nov11PAH
Summit Proj. No.: 2118-0001
Plot Date: 12-29-11
Arc Operator: PRB
Reviewed by: BMG

Notes:
Only PAH concentrations from the April 2010 monitoring well sampling event that exceeded the enforcment standards (ES) are reported on this figure.
PAH concentrations are reported in parts per billion (ppb).
NE = No exceedances.
B(a)P = Benzo(a)Pyrene (ES = 0.2 ppb).
B(b)F = Benzo(b)Fluoranthene (ES = 0.2 ppb)
Cry = Chrysene (ES = 0.2 ppb).
Nap = Naphthalene (ES = 100 ppb).

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Tables

Table 1
Groundwater Elevation Data, April 13, 2011
Superior Water, Light Power MGP
Superior, Wisconsin

Well ID	Ground Elevation [a]	Measuring Point Elevation [b]	Depth to Water [c]	Groundwater Elevation[b]	Hydraulic Conductivity [d]
MW-1	616.2	619.11	4.59	614.52	Clay[e]
MW-2	614.2	617.15	6.67	610.48	Clay
MW-3	613.9	617.07	10.78	606.29	Clay
MW-4	614.0	617.11	7.61	609.50	Clay
MW-5	610.1	612.40	9.94	602.46	7.63×10^{-5}
MW-6	611.4	613.74	9.78	603.96	3.07×10^{-3}
MW-7	612.3	614.91	11.96	602.95	7.79×10^{-3}
MW-8	612.0	615.17	11.95	603.22	3.26×10^{-3}
MW-9	608.7	611.38	8.12	603.26	1.17×10^{-2}
MW-10	606.5	606.08	3.50	602.58	7.46×10^{-3}
MW-11	607.0	609.89	8.44	601.45	8.48×10^{-3}
MW-12	607.9	607.64	6.00	601.64	3.28×10^{-3}
MW-13	613.56	616.26	4.02	612.24	Clay
MW-14	614.06	617.27	7.99	609.28	Clay
MW-15	609.06	608.95	6.90	602.05	1.1×10^{-3}
MW-16	610.03	613.11	10.03	603.08	1.6×10^{-3}
MW-17	608.48	610.93	8.32	602.61	2.3×10^{-3}
MW-18	606.4	606.42	Well Abandoned		4.5×10^{-5}
MW-19	606.82	606.77	Well Abandoned		1.0×10^{-2}
MW-20	605.91	605.43	4.60	600.83	6.8×10^{-3}
MW-21	609.59	612.57	9.46	603.11	1.5×10^{-1}
MW-22	607.5	610.55	6.14	604.41	4.4×10^{-3}

a. The ground surface and top of casings elevations were surveyed by Salo Engineering.
b. Elevation is given in feet above mean sea level.
c. Depth to water in feet as measured below top of casing.
d. Hydraulic conductivity (cm/sec) was determined by conducting slug tests in November 2001, November 2004, and October 2006.
e. Wells screened in high plasticity clay. Estimated hydraulic conductivity is less than 10^{-6} cm/sec. (Slug test was not performed on well.)

Table 2
Groundwater Elevation Data, November 3, 2011
Superior Water, Light Power MGP
Superior, Wisconsin

Well ID	Ground Elevation [a]	Measuring Point Elevation [b]	Depth to Water [c]	Groundwater Elevation[b]	Hydraulic Conductivity [d]
MW-1	616.2	619.11	7.54	611.57	Clay[e]
MW-2	614.2	617.15	6.74	610.41	Clay
MW-3	613.9	617.07	8.82	608.25	Clay
MW-4	614.0	617.11	6.97	610.14	Clay
MW-5	610.1	612.40	8.88	603.52	7.63×10^{-5}
MW-6	611.4	613.74	11.12	602.62	3.07×10^{-3}
MW-7	612.3	614.91	12.9	602.01	7.79×10^{-3}
MW-8	612.0	615.17	13.27	601.90	3.26×10^{-3}
MW-9	608.7	611.38	9.63	601.75	1.17×10^{-2}
MW-10	606.5	606.08	4.80	601.28	7.46×10^{-3}
MW-11	607.0	609.89	8.35	601.54	8.48×10^{-3}
MW-12	607.9	607.64	6.38	601.26	3.28×10^{-3}
MW-13	613.56	616.26	6.00	610.26	Clay
MW-14	614.06	617.27	9.44	607.83	Clay
MW-15	609.06	608.95	7.59	601.36	1.1×10^{-3}
MW-16	610.03	613.11	12.25	600.86	1.6×10^{-3}
MW-17	608.48	610.93	9.43	601.50	2.3×10^{-3}
MW-18	606.4	606.42	Well Abandoned		4.5×10^{-5}
MW-19	606.82	606.77	Well Abandoned		1.0×10^{-2}
MW-20	605.91	605.43	4.05	601.38	6.8×10^{-3}
MW-21	609.59	612.57	10.67	601.90	1.5×10^{-1}
MW-22	607.5	610.55	7.97	602.58	4.4×10^{-3}

a. The ground surface and top of casings elevations were surveyed by Salo Engineering.
b. Elevation is given in feet above mean sea level.
c. Depth to water in feet as measured below top of casing.
d. Hydraulic conductivity (cm/sec) was determined by conducting slug tests in November 2001, November 2004, and October 2006.
e. Wells screened in high plasticity clay. Estimated hydraulic conductivity is less than 10^{-6} cm/sec. (Slug test was not performed on well.)

Table 3, MW-1

Parameters	WDNR Enforcement Standard	MW-1 2/11/2002	MW-1 9/20/2002	MW-1 11/15/2005	MW-1 8/12/2008	MW-1 11/3/2011
VOC						
Acetone	**1,000**	---	---	---	<10	<25
Benzene	**5**	<0.45	<0.25	<0.41	<1	<1
Bromobenzene	**None**	---	---	<0.82	<1	<1
2-Butanone (MEK)	**460**	---	---	---	<4	<4
Chloroethane	**400**	---	---	<0.97	<1	<1
Chloroform	**6**	---	---	<0.37	<1	<1
Chloromethane	**3**	---	---	0.33	**3.8**	<4
Ethylbenzene	**700**	<0.82	<0.53	<0.54	<1	<1
Isopropylbenzene (Cumene	**None**	---	---	<0.59	<1	<1
p-Isopropyltoluene	**None**	---	---	<0.67	<1	<1
Naphthalene	**100**	---	---	<0.74	<4	<4
n-Propylbenzene	**None**	---	---	<0.81	<1	<1
Styrene	**100**	---	---	<0.86	<1	<1
Toluene	**1,000**	<0.68	<0.84	<0.67	<1	<1
1,2,4-Trimethylbenzene	**480**[a]	---	<0.69	<0.97	<1	<1
1,3,5-Trimethylbenzene	**480**[a]	---	<0.64	<0.83	<1	<1
m&p-Xylene	**10,000**[b]	<0.77	<1.1	<1.8	<2	<2
o-Xylene	**10,000**[b]	<1.7	<0.73	<0.83	<1	<1
PAH						
1-Methylnaphthalene	**None**	<0.027	<0.027	0.07	---	---
2-Chloronaphthalene	**None**	---	---	---	---	---
2-Methylnaphthalene	**None**	<0.028	<0.028	0.05	---	---
Acenaphthene	**None**	<0.018	<0.018	0.049	<0.041	<0.040
Acenaphthylene	**None**	<0.023	<0.023	<0.0086	<0.041	<0.040
Anthracene	**3,000**	<0.020	<0.020	<0.012	<0.041	<0.040
Benzo(a)anthracene	**None**	<0.019	<0.019	<0.017	<0.041	<0.040
Benzo(a)pyrene	**0.2**	<0.012	<0.012	<0.019	<0.041	<0.040
Benzo(b)fluoranthene	**0.2**	<0.014	<0.014	<0.017	<0.041	<0.040
Benzo(g,h,i)perylene	**None**	<0.015	<0.015	<0.020	<0.041	<0.040
Benzo(k)fluoranthene	**None**	<0.013	<0.013	<0.020	<0.041	<0.040
Chrysene	**0.2**	<0.018	<0.018	<0.020	<0.041	<0.040
Dibenz(a,h)anthracene	**None**	<0.017	<0.017	---	<0.041	<0.040
Dibenzofuran	**None**	---	---	---	---	---
Fluoranthene	**400**	<0.028	<0.028	<0.016	<0.041	<0.040
Fluorene	**400**	<0.021	<0.021	0.0097	<0.041	<0.040
Indeno(1,2,3-cd)pyrene	**None**	<0.014	<0.014	<0.020	<0.041	<0.040
Naphthalene	**100**	0.21	<0.027	0.28	<0.041	<0.040
Phenanthrene	**None**	0.028	<0.019	<0.012	<0.041	<0.040
Pyrene	**250**	<0.020	<0.020	<0.015	<0.041	<0.040

Results are reported in micrograms per liter or parts per billion.

Shaded results indicate concentrations greater than the enforcement standards.

Only Detected compounds are listed on this table. See laboratory analytical reports for list of results.

a. The enforcement standard is 480 ug/L for the sum of all trimethylbenzene concentrations.

b. The enforcement standard is 10,000 ug/L for the total xylene concentrations.

Table 3, MW-2

Parameters	WDNR Enforcement Standard	MW-2 2/11/2002	MW-2 9/18/2002	MW-2 11/15/2005	MW-2 8/13/2008	MW-2 11/3/2011
VOC						
Acetone	**1,000**	---	---	---	<10	<25
Benzene	**5**	<0.45	<0.25	<0.41	<1	<1
Bromobenzene	**None**	---	---	<0.82	<1	<1
2-Butanone (MEK)	**460**	---	---	---	<4	<4
Chloroethane	**400**	---	---	<0.97	<1	<1
Chloroform	**6**	---	---	<0.37	<1	<1
Chloromethane	**3**	---	---	<0.24	**6**	<4
Ethylbenzene	**700**	<0.82	<0.53	<0.54	<1	<1
Isopropylbenzene (Cumene)	**None**	---	---	<0.59	<1	<1
p-Isopropyltoluene	**None**	---	---	<0.67	<1	<1
Naphthalene	**100**	---	---	<0.74	<4	<4
n-Propylbenzene	**None**	---	---	<0.81	<1	<1
Styrene	**100**	---	---	<0.86	<1	<1
Toluene	**1,000**	<0.68	<0.84	<0.67	<1	<1
1,2,4-Trimethylbenzene	**480**[a]	---	<0.69	<0.97	<1	<1
1,3,5-Trimethylbenzene	**480**[a]	---	<0.64	<0.83	<1	<1
m&p-Xylene	**10,000**[b]	<0.77	<1.1	<1.8	<2	<2
o-Xylene	**10,000**[b]	<1.7	<0.73	<0.83	<1	<1
PAH						
1-Methylnaphthalene	**None**	<0.027	<0.027	<0.012	---	---
2-Chloronaphthalene	**None**	---	---	---	---	---
2-Methylnaphthalene	**None**	<0.028	<0.028	<0.012	---	---
Acenaphthene	**None**	<0.018	<0.018	<0.0088	<0.041	<0.041
Acenaphthylene	**None**	<0.023	<0.023	<0.0088	<0.041	<0.041
Anthracene	**3,000**	<0.020	<0.020	<0.013	<0.041	<0.041
Benzo(a)anthracene	**None**	<0.019	<0.019	<0.017	<0.041	<0.041
Benzo(a)pyrene	**0.2**	<0.012	<0.012	<0.020	<0.041	<0.041
Benzo(b)fluoranthene	**0.2**	<0.014	<0.014	<0.017	<0.041	<0.041
Benzo(g,h,i)perylene	**None**	<0.015	<0.015	<0.021	<0.041	<0.041
Benzo(k)fluoranthene	**None**	<0.013	<0.013	<0.021	<0.041	<0.041
Chrysene	**0.2**	<0.018	<0.018	<0.021	<0.041	<0.041
Dibenz(a,h)anthracene	**None**	<0.017	<0.017	---	<0.041	<0.041
Dibenzofuran	**None**	---	---	---	---	---
Fluoranthene	**400**	<0.028	<0.028	<0.017	<0.041	<0.041
Fluorene	**400**	<0.021	<0.021	<0.0098	<0.041	<0.041
Indeno(1,2,3-cd)pyrene	**None**	<0.014	<0.014	<0.020	<0.041	<0.041
Naphthalene	**100**	<0.027	<0.027	0.038	0.049	0.049
Phenanthrene	**None**	<0.019	<0.019	<0.012	<0.041	<0.041
Pyrene	**250**	<0.020	<0.020	<0.016	<0.041	<0.041

Results are reported in micrograms per liter or parts per billion.

Shaded results indicate concentrations greater than the enforcement standards.

Only Detected compounds are listed on this table. See laboratory analytical reports for list of results.

a. The enforcement standard is 480 ug/L for the sum of all trimethylbenzene concentrations.

b. The enforcement standard is 10,000 ug/L for the total xylene concentrations.

Table 3, MW-3

Parameters	WDNR Enforcement Standard	MW-3 2/11/2002	MW-3 9/20/2002	MW-3 11/15/2005	MW-3 8/12/2008	MW-3 11/3/2011
VOC						
Acetone	**1,000**	---	---	---	<50	<500
Benzene	**5**	**21**	**620**	**2,800**	**3,890**	**2,160**
Bromobenzene	**None**	---	---	<20	<5	<20
2-Butanone (MEK)	**460**	---	---	---	<20	<80
Chloroethane	**400**	---	---	<24	<5	<20
Chloroform	**6**	---	---	<9.2	<5	<20
Chloromethane	**3**	---	---	<6.0	<5	
Ethylbenzene	**700**	4.8	45	130	117	108
Isopropylbenzene (Cumene)	**None**	---	---	<15	8.1	<20
p-Isopropyltoluene	**None**	---	---	<17	<5	<20
Naphthalene	**100**	---	---	**2,100**	**1,390**	
n-Propylbenzene	**None**	---	---	<20	5.2	<20
Styrene	**100**	---	---	<22	<5	<20
Toluene	**1,000**	26	100	25	7.8	<20
1,2,4-Trimethylbenzene	**480**[a]	---	26	120	100	67.2
1,3,5-Trimethylbenzene	**480**[a]	---	11	41	<5	<20
m&p-Xylene	**10,000**[b]	44	130	260	58.7	<40
o-Xylene	**10,000**[b]	8.5	96	25	13.3	<20
PAH						
1-Methylnaphthalene	**None**	<0.027	22	82	---	---
2-Chloronaphthalene	**None**	---	---	---	---	---
2-Methylnaphthalene	**None**	<0.028	15	29	---	---
Acenaphthene	**None**	<0.018	<7.2	2.7	1.9	1.8
Acenaphthylene	**None**	<0.023	<9.2	1.4	1.2	0.8
Anthracene	**3,000**	<0.020	0.27	1.7	0.92	0.97
Benzo(a)anthracene	**None**	<0.019	<0.019	<1.7	<0.041	<0.041
Benzo(a)pyrene	**0.2**	<0.012	0.014	<1.9	<0.041	<0.041
Benzo(b)fluoranthene	**0.2**	<0.014	<0.014	<1.7	<0.041	<0.041
Benzo(g,h,i)perylene	**None**	<0.015	<0.015	<2.0	<0.041	<0.041
Benzo(k)fluoranthene	**None**	<0.013	<0.013	<2.0	<0.041	<0.041
Chrysene	**0.2**	<0.018	<0.018	<2.0	<0.041	<0.041
Dibenz(a,h)anthracene	**None**	<0.017	<0.017	---	<0.041	<0.041
Dibenzofuran	**None**	---	---	---	---	---
Fluoranthene	**400**	<0.028	0.061	<1.6	0.35	0.32
Fluorene	**400**	<0.021	<8.4	6	3.1	3.2
Indeno(1,2,3-cd)pyrene	**None**	<0.014	<0.014	<2.0	<0.041	<0.041
Naphthalene	**100**	<0.027	**160**	**650**	**385**	1.3
Phenanthrene	**None**	<0.019	<7.6	9.6	4.7	5.2
Pyrene	**250**	<0.020	0.076	<1.5	0.35	0.3

Results are reported in micrograms per liter or parts per billion.

Shaded results indicate concentrations greater than the enforcement standards.

Only Detected compounds are listed on this table. See laboratory analytical reports for list of results.

a. The enforcement standard is 480 ug/L for the sum of all trimethylbenzene concentrations.

b. The enforcement standard is 10,000 ug/L for the total xylene concentrations.

Table 3, MW-4

Parameters	WDNR Enforcement Standard	MW-4	MW-4	MW-4-dup	MW-4	MW-4	MW-4
		2/11/2002	9/20/2002	9/20/2002	11/15/2005	8/13/2008	4/14/2011
VOC							
Acetone	**1,000**	---	---	---	---	<20,000	<2,500
Benzene	**5**	**110,000**	**120,000**	**130,000**	**190,000**	**227,000**	**157,000**
Bromobenzene	**None**	---	---	---	<1,000	<2,000	<100
2-Butanone (MEK)	**460**	---	---	---	---	<8,000	<400
Chloroethane	**400**	---	---	---	<1,200	<2,000	<100
Chloroform	**6**	---	---	---	<460	<2,000	<100
Chloromethane	**3**	---	---	---	<300	<2,000	<400
Ethylbenzene	**700**	<820	<530	<530	<680	<2,000	391
Isopropylbenzene (Cumene)	**None**	---	---	---	<740	<2,000	<100
p-Isopropyltoluene	**None**	---	---	---	<840	<2,000	<100
Naphthalene	**100**	---	---	---	<920	<8,000	<400
n-Propylbenzene	**None**	---	---	---	<1,000	<2,000	<100
Styrene	**100**	---	---	---	<1,100	<2,000	**106**
Toluene	**1,000**	**19000**	<840	960	**1500**	<2,000	**18500**
1,2,4-Trimethylbenzene	**480**[a]	---	<690	<690	<1,200	<2,000	<100
1,3,5-Trimethylbenzene	**480**[a]	---	<640	<640	<1,000	<2,000	<100
m&p-Xylene	**10,000**[b]	<770	<1,100	<1,100	<2,200	<4,000	1970
o-Xylene	**10,000**[b]	<1,700	<730	<730	<1,000	<2,000	187
PAH							
1-Methylnaphthalene	**None**	0.055	0.042	0.033	0.11	---	---
2-Chloronaphthalene	**None**	---	---	---	---	---	---
2-Methylnaphthalene	**None**	0.088	0.059	0.048	0.13	---	---
Acenaphthene	**None**	<0.018	<0.018	<0.018	<0.086	<0.04	<0.041
Acenaphthylene	**None**	<0.023	<0.023	<0.023	<0.086	<0.04	<0.041
Anthracene	**3,000**	<0.020	<0.020	<0.020	<0.12	<0.04	<0.041
Benzo(a)anthracene	**None**	<0.019	<0.019	<0.019	<0.17	<0.04	<0.041
Benzo(a)pyrene	**0.2**	<0.012	<0.012	<0.012	<0.19	<0.04	<0.041
Benzo(b)fluoranthene	**0.2**	<0.014	<0.014	<0.014	<0.17	<0.04	<0.041
Benzo(g,h,i)perylene	**None**	<0.015	<0.015	<0.015	<0.20	<0.04	<0.041
Benzo(k)fluoranthene	**None**	<0.013	<0.013	<0.013	<0.20	<0.04	<0.041
Chrysene	**0.2**	<0.018	<0.018	<0.018	<0.20	<0.04	<0.041
Dibenz(a,h)anthracene	**None**	<0.017	<0.017	<0.017	---	<0.04	<0.041
Dibenzofuran	**None**	---	---	---	---	---	---
Fluoranthene	**400**	<0.028	<0.028	<0.028	<0.16	<0.04	<0.041
Fluorene	**400**	<0.021	<0.021	<0.021	<0.096	<0.04	<0.041
Indeno(1,2,3-cd)pyrene	**None**	<0.014	<0.014	<0.014	<0.20	<0.04	<0.041
Naphthalene	**100**	0.47	0.38	0.32	2.9	2.4	3.4
Phenanthrene	**None**	0.028	<0.019	<0.019	<0.12	<0.04	<0.041
Pyrene	**250**	<0.020	<0.020	<0.020	<0.15	<0.04	<0.041

Results are reported in micrograms per liter or parts per billion.

Shaded results indicate concentrations greater than the enforcement standards.

Only Detected compounds are listed on this table. See laboratory analytical reports for list of results.

a. The enforcement standard is 480 ug/L for the sum of all trimethylbenzene concentrations.

b. The enforcement standard is 10,000 ug/L for the total xylene concentrations.

Table 3, MW-5

Parameters	WDNR Enforcement Standard	MW-5 11/20/2001	MW-5 2/11/2002	MW-5 9/18/2002	MW-5 11/17/2004	MW-5 11/15/2005	MW-5 8/12/2008	MW-5 11/3/2011	MW-5 DUP 11/3/2011
VOC									
Acetone	**1,000**	---	---	---	---	---	<10	<25	<25
Benzene	**5**	**6.2**	<0.45	0.99	1.2	<0.41	<1	<1	<1
Bromobenzene	**None**	---	---	---	---	<0.82	<1	<1	<1
2-Butanone (MEK)	**460**	---	---	---	---	---	<4	<4	<4
Chloroethane	**400**	---	---	---	---	<0.97	<1	<1	<1
Chloroform	**6**	---	---	---	---	<0.37	<1	<1	<1
Chloromethane	**3**	---	---	---	---	<0.24	<1	<4	<4
Ethylbenzene	**700**	<0.82	<0.82	<0.53	<0.4	<0.54	<1	<1	<1
Isopropylbenzene (Cumene)	**None**	---	---	---	---	<0.59	<1	<1	<1
p-Isopropyltoluene	**None**	---	---	---	---	<0.67	<1	<1	<1
Naphthalene	**100**	---	---	---	---	1.2	<4	<4	<4
n-Propylbenzene	**None**	---	---	---	---	<0.81	<1	<1	<1
Styrene	**100**	---	---	---	---	<0.86	<1	<1	<1
Toluene	**1,000**	2.1	<0.68	<0.84	1.4	<0.67	<1	<1	<1
1,2,4-Trimethylbenzene	**480**[a]	---	---	<0.69	---	<0.97	<1	<1	<1
1,3,5-Trimethylbenzene	**480**[a]	---	---	<0.64	---	<0.83	<1	<1	<1
m&p-Xylene	**10,000**[b]	6.1	<0.77	<1.1	<0.74	<1.8	<2	<2	<2
o-Xylene	**10,000**[b]	3	<1.7	<0.73	<0.36	<0.83	<1	<1	<1
PAH									
1-Methylnaphthalene	**None**	0.058	<0.027	0.19	0.15	0.14	---	---	---
2-Chloronaphthalene	**None**	---	---	---	---	---	---	---	---
2-Methylnaphthalene	**None**	<0.028	<0.028	0.15	0.068	0.057	---	---	---
Acenaphthene	**None**	3.8	0.11	0.43	0.44	0.38	0.66	0.32	0.31
Acenaphthylene	**None**	0.16	<0.023	<0.023	<0.039	0.011	<0.041	<0.042	<0.045
Anthracene	**3,000**	0.22	<0.020	0.059	0.046	0.034	<0.041	<0.042	<0.045
Benzo(a)anthracene	**None**	0.053	<0.019	<0.019	<0.039	<0.017	<0.041	<0.042	<0.045
Benzo(a)pyrene	**0.2**	0.023	<0.012	<0.012	<0.036	<0.019	<0.041	<0.042	<0.045
Benzo(b)fluoranthene	**0.2**	0.022	<0.014	<0.014	<0.036	<0.017	<0.041	<0.042	<0.045
Benzo(g,h,i)perylene	**None**	0.017	<0.015	<0.015	<0.041	<0.020	<0.041	<0.042	<0.045
Benzo(k)fluoranthene	**None**	0.014	<0.013	<0.013	<0.039	<0.020	<0.041	<0.042	<0.045
Chrysene	**0.2**	0.037	<0.018	<0.018	<0.033	<0.020	<0.041	<0.042	<0.045
Dibenz(a,h)anthracene	**None**	<0.017	<0.017	<0.017	<0.044	---	<0.041	<0.042	<0.045
Dibenzofuran	**None**	---	---	---	---	---	---	---	---
Fluoranthene	**400**	1.3	0.03	0.051	0.035	0.041	0.051	<0.042	0.047
Fluorene	**400**	1.2	0.035	0.24	0.24	0.2	0.36	0.16	0.18
Indeno(1,2,3-cd)pyrene	**None**	<0.014	<0.014	<0.014	<0.034	<0.020	<0.041	<0.042	<0.045
Naphthalene	**100**	0.2	0.092	1.3	0.72	0.77	0.54	0.13	0.12
Phenanthrene	**None**	0.42	<0.19	0.22	0.16	0.067	0.1	<0.042	<0.045
Pyrene	**250**	1.4	0.039	0.039	<0.033	0.033	<0.041	<0.042	<0.045

Results are reported in micrograms per liter or parts per billion.

Shaded results indicate concentrations greater than the enforcement standards.

Only Detected compounds are listed on this table. See laboratory analytical reports for list of results.

a. The enforcement standard is 480 ug/L for the sum of all trimethylbenzene concentrations.

b. The enforcement standard is 10,000 ug/L for the total xylene concentrations.

Table 3, MW-6

Parameters	WDNR Enforcement Standard	MW-6 11/20/2001	MW-6 2/11/2002	MW-6 9/18/2002	MW-6-Dup 9/18/2002	MW-6 11/17/2004	MW-6 11/16/2005	MW-6 8/12/2008	MW-6 7/22/2009	MW-6 4/22/2010	MW-6 10/20/2010	MW-6 4/13/2011	MW-6 11/3/2011
VOC													
Acetone	**1,000**	---	---	---	---	---	---	21.9	42.1	20.6	12.2	<25	<25
Benzene	**5**	**5**	**10**	3.1	3.1	**17**	4.6	2.1	4.5	4.1	1.7	3.7	2.7
Bromobenzene	**None**	---	---	---	---	---	<0.82	<1	<1	<1	<1	<1	<1
2-Butanone (MEK)	**460**	---	---	---	---	---	---	<4	<4	<4	<4	<4	<4
Chloroethane	**400**	---	---	---	---	---	0.97	<1	<1	<1	<1	<1	<1
Chloroform	**6**	---	---	---	---	---	<0.37	<1	<1	<1	<1	<1	<1
Chloromethane	**3**	---	---	---	---	---	<0.48	<1	<4	<4	<4	<4	<4
Ethylbenzene	**700**	1.5	5.8	1.1	1.2	21	3.3	1.3	12.0	3.4	<1	2.6	1.2
Isopropylbenzene (Cumene)	**None**	---	---	---	---	---	<0.59	<1	1.2	<1	<1	<1	<1
p-Isopropyltoluene	**None**	---	---	---	---	---	<0.67	1.6	2.6	3.3	<1	1.7	2.4
Naphthalene	**100**	---	---	---	---	---	26	12.7	88.2	27.1	8.1	14.3	14.2
n-Propylbenzene	**None**	---	---	---	---	---	<0.81	<1	<1	<1	<1	<1	<1
Styrene	**100**	---	---	---	---	---	<0.86	<1	<1	<1	<1	<1	<1
Toluene	**1,000**	1.6	2	0.84	0.85	2.6	1.1	1	1.5	1.3	<1	<1	1.3
1,2,4-Trimethylbenzene	**480**[a]	---	---	0.8	0.81	---	<0.97	1	7.8	2.1	<1	1.2	1.2
1,3,5-Trimethylbenzene	**480**[a]	---	---	<0.64	<0.64	---	<0.83	<1	1.9	<1	<1	<1	<1
m&p-Xylene	**10,000**[b]	2.2	2.6	<1.1	<1.1	4	<1.8	<2	2.5	<2	2.4	<2	<2
o-Xylene	**10,000**[b]	1.4	2.3	<0.73	<0.73	7.6	1.2	<1	4.5	1.6	<1	<1	<1
PAH													
1-Methylnaphthalene	**None**	3	5	2.5	2.1	11	4.1	---	---	---	4.1	---	---
2-Chloronaphthalene	**None**	---	---	---	---	---	---	---	---	---	0.15	---	---
2-Methylnaphthalene	**None**	2.3	3.7	1.6	1.3	8	2.4	---	---	---	0.34	---	---
Acenaphthene	**None**	4.8	5	4.5	3.9	13	5.1	5.1	8.5	5.7	0.061	3.5	3.5
Acenaphthylene	**None**	0.26	0.22	<0.92	<0.92	0.49	<0.43	0.2	<0.040	0.2	<0.04	0.13	0.15
Anthracene	**3,000**	0.96	<0.80	<0.8	<0.8	0.69	<0.61	0.52	0.46	0.46	<0.04	0.28	0.38
Benzo(a)anthracene	**None**	0.12	0.083	<0.76	<0.76	<0.39	<0.83	0.069	0.095	0.053	<0.04	0.043	0.047
Benzo(a)pyrene	**0.2**	0.026	<0.012	<0.48	<0.48	<0.36	<0.97	<0.041	<0.040	<0.041	<0.04	<0.041	<0.040
Benzo(b)fluoranthene	**0.2**	0.022	<0.014	<0.56	<0.56	<0.36	<0.83	<0.041	<0.040	<0.31	<0.04	<0.041	<0.040
Benzo(g,h,i)perylene	**None**	0.016	<0.015	<0.6	<0.6	<0.41	<1.0	<0.041	<0.040	<0.041	<0.04	<0.041	<0.040
Benzo(k)fluoranthene	**None**	0.018	<0.013	<0.52	<0.52	<0.39	<1.0	<0.041	<0.040	<0.041	<0.04	<0.041	<0.040
Chrysene	**0.2**	0.095	0.081	<0.72	<0.72	<0.33	<1.0	0.095	0.086	<0.041	0.055	<0.041	0.047
Dibenz(a,h)anthracene	**None**	<0.017	<0.017	<0.68	<0.68	<0.44	---	<0.041	<0.040	<0.041	<0.04	<0.041	<0.040
Dibenzofuran	**None**	---	---	---	---	---	---	---	---	---	---	---	---
Fluoranthene	**400**	1.1	<1.1	<1.1	<1.1	1.6	<0.82	0.96	0.79	0.53	0.66	0.4	0.62
Fluorene	**400**	0.76	<0.84	<0.84	<0.84	1.6	0.5	0.83	1.2	0.92	0.52	0.52	0.56
Indeno(1,2,3-cd)pyrene	**None**	<0.014	<0.014	<0.56	<0.56	<0.34	<1.0	<0.041	<0.040	<0.041	<0.04	<0.041	<0.040
Naphthalene	**100**	9.8	34	12	10	91	18	9.2	52.8	18	6.7	8.3	7.9
Phenanthrene	**None**	3.1	2.1	3.4	3.8	3.8	3.1	3.3	2.9	2.4	2.2	1.7	2.2
Pyrene	**250**	1.2	0.88	1.1	1.2	0.76	0.81	1.1	0.91	0.59	0.73	0.49	0.69

Results are reported in micrograms per liter or parts per billion.

Shaded results indicate concentrations greater than the enforcement standards.

Only Detected compounds are listed on this table. See laboratory analytical reports for list of results.

a. The enforcement standard is 480 ug/L for the sum of all trimethylbenzene concentrations.

b. The enforcement standard is 10,000 ug/L for the total xylene concentrations.

Table 3, MW-7

Parameters	WDNR Enforcement Standard	MW-7	MW-7	MW-7-Dup	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7 DUP	MW-7	MW-7	MW-7 DUP	MW-7
		11/20/2001	2/11/2002	2/11/2002	9/18/2002	11/17/2004	11/16/2005	8/12/2008	7/22/2009	4/22/2010	4/22/2010	10/20/2010	4/13/2011	4/13/2011	11/4/2011
VOC															
Acetone	**1,000**	---	---	---	---	---	---	<2,000	<10,000	<10,000	<25,000	<10,000	<25,000	<25,000	<1250
Benzene	**5**	**230,000**	**190,000**	**200,000**	**110,000**	**46,000**	**110,000**	**156,000**	**198,000**	**242,000**	**197,000**	**117,000**	**204,000**	**209,000**	**74,600**
Bromobenzene	**None**	---	---	---	---	---	<820	<200	<1000	<1000	<2,500	<1,000	<1,000	<1,000	<50
2-Butanone (MEK)	**460**	---	---	---	---	---	---	<800	<4000	<4000	<10,000	<4,000	<4,000	<4,000	<200
Chloroethane	**400**	---	---	---	---	---	<970	<200	<1000	<1000	<2,500	<1,000	<1,000	<1,000	<50
Chloroform	**6**	---	---	---	---	---	<370	<200	<1000	<1000	<2,500	<1,000	<1,000	<1,000	<50
Chloromethane	**3**	---	---	---	---	---	<240	<200	<4000	<4000	<10,000	<4,000	<4,000	<4,000	<200
Ethylbenzene	**700**	**1,900**	**3,600**	**3,700**	**6,100**	**2,100**	**3,600**	**4,760**	**4,280**	**4,750**	**4,350**	**4,400**	**4,200**	**4,230**	**1,770**
Isopropylbenzene (Cumene)	**None**	---	---	---	---	---	<590	<200	<1000	<1000	<2,500	<1,000	<1,000	<1,000	<50
p-Isopropyltoluene	**None**	---	---	---	---	---	<670	<200	<1000	<1000	<2,500	<1,000	<1,000	<1,000	<50
Naphthalene	**100**	---	---	---	---	---	<740	<800	<4000	<4000	<10,000	<4,000	<4,000	<4,000	<200
n-Propylbenzene	**None**	---	---	---	---	---	<810	<200	<1000	<1000	<2,500	<1,000	<1,000	<1,000	<50
Styrene	**100**	---	---	---	---	---	<860	**428**	**1350**	**1310**	<2,500	<1,000	<1,000	<1,000	**250**
Toluene	**1,000**	**130000**	**120000**	**120000**	**64000**	**15000**	**57000**	**64500**	**116000**	**144000**	**104000**	**49400**	**110000**	**109000**	**32900**
1,2,4-Trimethylbenzene	**480**[a]	---	---	---	**770**	---	<970	**652**	<1000	<1000	<2,500	<1,000	<1,000	<1,000	218
1,3,5-Trimethylbenzene	**480**[a]	---	---	---	<640	---	<830	**369**	<1000	<1000	<2,500	<1,000	<1,000	<1,000	124
m&p-Xylene	**10,000**[b]	**14000**	**9500**	**10000**	**18000**	5400	**12000**	**14500**	**17400**	**18000**	**15300**	**11800**	**16600**	**16800**	**4750**
o-Xylene	**10,000**[b]	**11000**	**17000**	**17000**	**4800**	1600	**2500**	**3960**	**4910**	**4760**	**4380**	**3060**	**4300**	**4320**	**1360**
PAH															
1-Methylnaphthalene	**None**	4.7	4.1	3.8	10	<8.1	6.2	---	---	---	---	---	---	---	---
2-Chloronaphthalene	**None**	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2-Methylnaphthalene	**None**	6.3	5.6	5.2	13	<9.1	8.4	---	---	---	---	---	---	---	---
Acenaphthene	**None**	1.9	2.4	2	5.4	<7.8	3.1	3.1	3.8	3.5	3.8	5	1.4	2.1	2.3
Acenaphthylene	**None**	3.4	2.8	2.5	<4.6	<7.8	1.3	1.3	1.9	1.8	1.9	1.8	0.71	0.96	0.62
Anthracene	**3,000**	0.75	<0.40	<0.40	<4	<7.1	<1.3	0.66	0.62	0.68	0.79	0.69	0.42	0.54	0.65
Benzo(a)anthracene	**None**	<0.38	<0.38	<0.38	<3.8	<7.9	<1.7	0.23	0.19	0.2	0.25	0.12	0.33	0.42	0.076
Benzo(a)pyrene	**0.2**	<0.24	<0.24	<0.24	<2.4	<7.3	<2.0	**0.32**	**0.21**	**0.26**	**0.32**	0.14	**0.4**	**0.53**	**0.12**
Benzo(b)fluoranthene	**0.2**	<0.28	<0.28	<0.28	<2.8	<7.2	<1.7	**0.33**	**0.31**	**0.3**	**0.33**	0.13	**0.42**	**0.54**	**0.1**
Benzo(g,h,i)perylene	**None**	<0.30	<0.30	<0.30	<3	<8.3	<2.1	0.28	0.32	0.13	0.29	0.12	0.35	0.47	0.1
Benzo(k)fluoranthene	**None**	<0.26	<0.26	<0.26	<2.6	<7.8	<2.1	0.13	0.088	0.11	0.11	0.046	0.16	0.19	<0.043
Chrysene	**0.2**	<0.36	<0.36	<0.36	<3.6	<6.6	<2.1	**0.32**	**0.2**	**0.21**	**0.26**	0.14	**0.39**	**0.49**	**0.089**
Dibenz(a,h)anthracene	**None**	<0.34	<0.34	<0.34	<3.4	<8.9	---	0.043	<0.041	<0.041	<0.041	<0.04	0.064	0.084	<0.043
Dibenzofuran	**None**	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Fluoranthene	**400**	<0.56	<0.56	<0.56	<5.6	<6.7	<1.7	1.2	0.78	0.8	0.99	0.87	0.75	0.9	0.72
Fluorene	**400**	2.2	1.7	1.7	<4.2	<8.8	1.7	2.1	2.2	2.4	2.5	2.4	0.98	1.4	1.5
Indeno(1,2,3-cd)pyrene	**None**	<0.28	<0.28	<0.28	<2.8	<6.9	<2.1	0.19	0.12	0.099	0.18	0.081	0.22	0.3	0.071
Naphthalene	**100**	**350**	**430**	**290**	**490**	**180**	**330**	**238**	**354**	**376**	**400**	**409**	**122**	**201**	**132**
Phenanthrene	**None**	1.4	1.2	1.3	6.7	<8.2	3.2	3.2	2.5	3	3.5	3	1.3	1.7	2.6
Pyrene	**250**	0.62	0.72	0.74	<4	<6.6	<1.6	1.6	1.1	1	1.2	1.2	1.3	1.6	0.95

Results are reported in micrograms per liter or parts per billion.

Shaded results indicate concentrations greater than the enforcement standards.

Only Detected compounds are listed on this table. See laboratory analytical reports for list of results.

a. The enforcement standard is 480 ug/L for the sum of all trimethylbenzene concentrations.

b. The enforcement standard is 10,000 ug/L for the total xylene concentrations.

Table 3, MW-8

Parameters	WDNR Enforcement Standard	MW-8	MW-8 DUP	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8
		11/16/2004	11/16/2004	11/15/2005	8/13/2008	7/22/2009	4/22/2010	10/20/2010	4/14/2011	11/4/2011
VOC										
Acetone	**1,000**	---	---	---	<500	<10,000	<10,000	<10,000	<12,500	<1250
Benzene	**5**	**74,000**	**72,000**	**73,000**	**122,000**	**109,000**	**152,000**	**103,000**	**58,500**	**104,000**
Bromobenzene	**None**	---	---	<510	<50	<1000	<1000	<1000	<2,000	<50
2-Butanone (MEK)	**460**	---	---	---	<200	<4000	<4000	<4000	<2,000	<200
Chloroethane	**400**	---	---	<610	<50	<1000	<1000	<1000	<500	<50
Chloroform	**6**	---	---	<230	<50	<1000	<1000	<1000	<500	<50
Chloromethane	**3**	---	---	<150	<50	<4000	<4000	<4000	<2,000	<200
Ethylbenzene	**700**	**980**	**880**	510	**1,220**	**1,100**	**1,700**	**1,070**	**771**	**981**
Isopropylbenzene (Cumene)	**None**	---	---	<370	<50	<1000	<1000	<1000	<500	<50
p-Isopropyltoluene	**None**	---	---	<420	<50	<1000	<1000	<1000	<500	<50
Naphthalene	**100**	---	---	**680**	**776**	<4000	<4000	<4000	<2,000	**624**
n-Propylbenzene	**None**	---	---	<510	<50	<1000	<1000	<1000	<500	<50
Styrene	**100**	---	---	**2000**	**5300**	**4010**	**5210**	**2590**	**3310**	**3710**
Toluene	**1,000**	**51000**	**48000**	**51000**	**80200**	**79800**	**112000**	**75100**	**43800**	**64500**
1,2,4-Trimethylbenzene	**480**[a]	---	---	<610	**694**	<1000	**1050**	<1000	<500	**551**
1,3,5-Trimethylbenzene	**480**[a]	---	---	<520	**378**	<1000	<1000	<1000	<500	**298**
m&p-Xylene	**10,000**[b]	**14000**	**12000**	**9900**	**18800**	**16800**	**19400**	**16600**	**11400**	**12600**
o-Xylene	**10,000**[b]	**6500**	**5600**	**2200**	**4720**	**3850**	**4590**	**4110**	**2710**	**3500**
PAH										
1-Methylnaphthalene	**None**	690	3300	61	---	---	---	---	---	---
2-Chloronaphthalene	**None**	---	---	---	---	---	---	---	---	---
2-Methylnaphthalene	**None**	830	3900	44	---	---	---	---	---	---
Acenaphthene	**None**	1000	5200	37	55.7	61.6	65.7	70.2	48.7	51.8
Acenaphthylene	**None**	130	<770	4.7	9.3	9.5	10.4	9.5	7.8	6.8
Anthracene	**3,000**	520	2800	7.9	6.5	5.7	6.5	6.7	6.3	4.5
Benzo(a)anthracene	**None**	300	1600	<1.7	0.53	0.41	0.62	0.38	0.35	0.2
Benzo(a)pyrene	**0.2**	**230**	**1200**	<1.9	**0.24**	0.12	**0.24**	0.13	0.14	<0.040
Benzo(b)fluoranthene	**0.2**	<110	<720	<1.7	**0.21**	**0.25**	<0.30	0.12	0.12	<0.040
Benzo(g,h,i)perylene	**None**	<130	<830	<2.0	0.11	0.23	0.062	0.059	0.056	<0.040
Benzo(k)fluoranthene	**None**	140	<770	<2.0	0.12	0.047	0.092	0.041	0.05	<0.040
Chrysene	**0.2**	**290**	**1600**	<2.0	**0.52**	**0.35**	**0.42**	**0.33**	**0.29**	0.16
Dibenz(a,h)anthracene	**None**	<140	<880	---	<0.041	<0.041	<0.041	<0.04	<0.041	<0.040
Dibenzofuran	**None**	---	---	---	---	---	---	---	---	---
Fluoranthene	**400**	**790**	**4400**	6.6	5.1	4.4	4.5	4.4	3.7	2.9
Fluorene	**400**	**410**	**2100**	11	17.7	18.6	19.7	20.4	14.2	15.2
Indeno(1,2,3-cd)pyrene	**None**	<110	<680	<2.0	0.076	<0.041	0.046	0.04	<0.041	<0.040
Naphthalene	**100**	**1400**	**4700**	**380**	**512**	**541**	**702**	**676**	**438**	**501**
Phenanthrene	**None**	1900	10000	35	29.9	32.8	28.6	30	23.2	21.7
Pyrene	**250**	**1000**	**5300**	8.6	5.7	5.9	5.3	5	4.6	3.3

Results are reported in micrograms per liter or parts per billion.

Shaded results indicate concentrations greater than the enforcement standards.

Only Detected compounds are listed on this table. See laboratory analytical reports for list of results.

a. The enforcement standard is 480 ug/L for the sum of all trimethylbenzene concentrations.

b. The enforcement standard is 10,000 ug/L for the total xylene concentrations.

Table 3, MW-9

Parameters	WDNR Enforcement Standard	MW-9 11/16/2004	MW-9 11/15/2005	MW-9 8/13/2008	MW-9 7/22/2009	MW-9 4/22/2010	MW-9 10/20/2010	MW-9 4/14/2011	MW-9 11/4/2011
VOC									
Acetone	**1,000**	---	---	<2,500	<2,500	<1,000	<1,000	<2,500	<1250
Benzene	**5**	**54,000**	**29,000**	**24,700**	**20,600**	**8,990**	**16,900**	**11,200**	**6,520**
Bromobenzene	**None**	---	<200	<250	<250	<100	<100	<100	<50
2-Butanone (MEK)	**460**	---	---	<1,000	<1,000	<400	<400	<400	<200
Chloroethane	**400**	---	<240	<250	<250	<100	<100	<100	<50
Chloroform	**6**	---	<92	<250	<250	<100	<100	<100	<50
Chloromethane	**3**	---	<60	<250	<1,000	<400	<400	<400	<200
Ethylbenzene	**700**	**870**	530	565	449	266	235	386	127
Isopropylbenzene (Cumene)	**None**	---	<150	<250	<250	<100	<100	<100	<50
p-Isopropyltoluene	**None**	---	<170	<250	<250	<100	<100	<100	<50
Naphthalene	**100**	---	**340**	<1,000	<1,000	<400	<400	**501**	<200
n-Propylbenzene	**None**	---	<200	<250	<250	<100	<100	<100	<50
Styrene	**100**	---	<220	<250	<250	<100	<100	<100	<50
Toluene	**1,000**	**13000**	**6700**	**1850**	**2170**	**1310**	571	**2800**	**526**
1,2,4-Trimethylbenzene	**480**[a]	---	<240	<250	<250	<100	<100	<100	<50
1,3,5-Trimethylbenzene	**480**[a]	---	<210	<250	<250	<100	<100	<100	<50
m&p-Xylene	**10,000**[b]	2700	2200	673	800	578	440	968	245
o-Xylene	**10,000**[b]	780	420	<250	<250	164	111	240	63.5
PAH									
1-Methylnaphthalene	**None**	100	42	---	---	---	---	---	---
2-Chloronaphthalene	**None**	---	---	---	---	---	---	---	---
2-Methylnaphthalene	**None**	110	44	---	---	---	---	---	---
Acenaphthene	**None**	100	39	49.9	40.9	49.9	30.8	184	53.3
Acenaphthylene	**None**	<19	1.6	1.1	<0.82	1.2	0.046	9.6	1.7
Anthracene	**3,000**	<18	8.4	4.7	5.8	5.8	4.3	68	11.1
Benzo(a)anthracene	**None**	<20	<1.7	0.75	<0.82	0.71	0.54	43.5	4.6
Benzo(a)pyrene	**0.2**	<18	<1.9	**0.38**	<0.82	**0.34**	**0.29**	**35.7**	**4**
Benzo(b)fluoranthene	**0.2**	<18	<1.7	**0.34**	<0.82	**0.31**	**0.25**	**28.2**	**3.1**
Benzo(g,h,i)perylene	**None**	<21	<2.0	0.18	<0.82	0.089	0.13	16.3	1.7
Benzo(k)fluoranthene	**None**	<19	<2.0	0.14	<0.82	0.13	0.085	10.5	1.1
Chrysene	**0.2**	<16	<2.0	**0.64**	<0.82	**0.48**	**0.46**	**36.2**	**4**
Dibenz(a,h)anthracene	**None**	<22	---	<0.041	<0.82	<0.041	<0.04	4.1	0.42
Dibenzofuran	**None**	---	---	---	---	---	---	---	---
Fluoranthene	**400**	<16	4.8	3.9	3.1	3.7	3.2	84.6	13.1
Fluorene	**400**	31	12	13.7	10.8	16.8	8.9	70.5	17.8
Indeno(1,2,3-cd)pyrene	**None**	<17	<2.0	0.13	<0.82	0.071	0.094	11.5	1.2
Naphthalene	**100**	**310**	**160**	**108**	**132**	**100**	35.9	**348**	**139**
Phenanthrene	**None**	78	33	26.7	23.5	30.6	30.1	232	48.6
Pyrene	**250**	<16	6.3	5	4.2	4.8	4.1	121	16.5

Results are reported in micrograms per liter or parts per billion.

Shaded results indicate concentrations greater than the enforcement standards.

Only Detected compounds are listed on this table. See laboratory analytical reports for list of results.

a. The enforcement standard is 480 ug/L for the sum of all trimethylbenzene concentrations.

b. The enforcement standard is 10,000 ug/L for the total xylene concentrations.

Table 3, MW-10

Parameters	WDNR Enforcement Standard	MW-10	MW-10	MW-10	MW-10 DUP	MW-10	MW-10 DUP	MW-10	MW-10	MW-10 DUP	MW-10	MW-10
		11/16/2004	11/15/2005	8/12/2008	8/12/2008	7/22/2009	7/22/2009	4/21/2010	10/20/2010	10/20/2010	4/14/2011	11/4/2011
VOC												
Acetone	**1,000**	---	---	<500	<500	<20	<20	<20	<500	<500	<625	<1250
Benzene	**5**	**9,900**	**13,000**	**7,160**	**7,840**	**270**	**252**	**6,010**	**6,890**	**7,290**	**2,330**	**4,830**
Bromobenzene	**None**	---	<100	<50	<50	<2.0	<2.0	<2.0	<50	<50	<25	<50
2-Butanone (MEK)	**460**	---	---	<200	<200	<8.0	<8.0	<8.0	<200	<200	<100	<200
Chloroethane	**400**	---	<120	<50	<50	<2.0	<2.0	<2.0	<50	<50	<25	<50
Chloroform	**6**	---	<46	<50	<50	<2.0	<2.0	<2.0	<50	<50	<25	<50
Chloromethane	**3**	---	<30	<50	<50	<8.0	<8.0	<8.0	<200	<200	<100	<200
Ethylbenzene	**700**	340	240	158	199	6.1	6.9	206	150	154	105	107
Isopropylbenzene (Cumene)	**None**	---	<74	<50	<50	<2.0	<2.0	5.2	<50	<50	<25	<50
p-Isopropyltoluene	**None**	---	<84	<50	<50	<2.0	<2.0	8.3	<50	<50	<25	<50
Naphthalene	**100**	---	**240**	<200	<200	<8.0	<8.0	**117**	<200	<200	<100	<200
n-Propylbenzene	**None**	---	<100	<50	<50	<2.0	<2.0	<2.0	<50	<50	<25	<50
Styrene	**100**	---	<110	<50	<50	<2.0	<2.0	44.1	<50	<50	25	<50
Toluene	**1,000**	34	**5100**	333	**1280**	18.4	19.9	**1600**	**1300**	**1450**	**1070**	**1040**
1,2,4-Trimethylbenzene	**480**[a]	---	<120	<50	55.2	2	<2.0	36.7	<50	<50	<25	<50
1,3,5-Trimethylbenzene	**480**[a]	---	<100	<50	<50	<2.0	<2.0	13.6	<50	<50	<25	<50
m&p-Xylene	**10,000**[b]	<37	770	<100	262	7.7	7.9	655	381	440	376	305
o-Xylene	**10,000**[b]	100	180	64.1	120	3.6	3.6	172	119	130	92.8	86.4
PAH												
1-Methylnaphthalene	**None**	84	41	---	---	---	---	---	---	---	---	---
2-Chloronaphthalene	**None**	---	---	---	---	---	---	---	---	---	---	---
2-Methylnaphthalene	**None**	5	18	---	---	---	---	---	---	---	---	---
Acenaphthene	**None**	75	38	44	40.2	2.4	2.8	35.1	47.3	48.4	15.9	41.4
Acenaphthylene	**None**	<1.9	2.9	0.9	0.88	<0.042	0.082	0.99	0.6	0.83	0.52	0.81
Anthracene	**3,000**	4.1	8.6	1.6	1.7	0.19	0.22	2.1	2.1	2.9	1.5	2.3
Benzo(a)anthracene	**None**	<2.0	3.9	1.1	1.1	0.11	0.11	0.46	0.55	0.41	0.31	0.4
Benzo(a)pyrene	**0.2**	<1.8	**2.7**	**1.1**	**0.98**	0.11	0.1	**0.31**	**0.51**	**0.29**	0.19	**0.36**
Benzo(b)fluoranthene	**0.2**	<1.8	<1.7	**0.91**	**0.86**	**0.23**	**0.22**	<0.30	**0.37**	**0.22**	0.16	**0.29**
Benzo(g,h,i)perylene	**None**	<2.1	<2.0	0.66	0.61	0.25	0.24	0.088	0.27	0.15	0.088	0.19
Benzo(k)fluoranthene	**None**	<1.9	<2.0	0.4	0.36	<0.042	<0.040	0.12	0.15	0.089	0.059	0.095
Chrysene	**0.2**	<1.6	**4.5**	**1.2**	**1.1**	0.097	0.11	**0.36**	**0.54**	**0.39**	**0.29**	**0.38**
Dibenz(a,h)anthracene	**None**	<2.2	---	<0.041	<0.041	<0.042	<0.040	<0.040	0.067	<0.04	<0.41	<0.41
Dibenzofuran	**None**	---	---	---	---	---	---	---	---	---	---	---
Fluoranthene	**400**	5.3	11	3.5	3.2	0.26	0.27	1.6	2.6	2.3	1.3	1.9
Fluorene	**400**	18	11	9.5	9.1	0.55	0.66	8.5	11.6	10.9	4.2	9.1
Indeno(1,2,3-cd)pyrene	**None**	<1.7	<2.0	0.47	0.43	0.048	0.048	0.069	0.18	0.1	0.064	0.13
Naphthalene	**100**	36	**110**	30.9	32.6	1.9	2.2	73.1	66.4	61.6	42.4	87.9
Phenanthrene	**None**	31	30	13.6	12.2	0.61	0.77	9.4	12.6	13.4	5.6	8.8
Pyrene	**250**	6.1	15	4.6	4.3	0.37	0.4	2	3.5	3.1	1.9	2.4

Results are reported in micrograms per liter or parts per billion.

Shaded results indicate concentrations greater than the enforcement standards.

Only Detected compounds are listed on this table. See laboratory analytical reports for list of results.

a. The enforcement standard is 480 ug/L for the sum of all trimethylbenzene concentrations.

b. The enforcement standard is 10,000 ug/L for the total xylene concentrations.

Table 3, MW-11

Parameters	WDNR Enforcement Standard	MW-11	MW-11	MW-11 DUP	MW-11	MW-11	MW-11	MW-11	MW-11	MW-11
		11/16/2004	11/15/2005	11/15/2005	8/12/2008	7/22/2009	4/22/2010	10/20/2010	4/14/2011	11/4/2011
VOC										
Acetone	**1,000**	---	---	---	<10	<10	<10	<10	<25	<25
Benzene	**5**	0.95	1.4	1.4	2.5	3.4	<1	<1	<1	2.5
Bromobenzene	**None**	---	<0.82	<0.82	<1	<1	<1	<1	<1	<1
2-Butanone (MEK)	**460**	---	---	---	<4	<4	<4	<4	<4	<4
Chloroethane	**400**	---	<0.97	<0.97	<1	<1	<1	<1	<1	<1
Chloroform	**6**	---	<0.37	<0.37	<1	<1	<1	<1	<1	<1
Chloromethane	**3**	---	0.25	<0.24	<1	<4	<4	<4	<4	<4
Ethylbenzene	**700**	0.56	0.91	1.0	1.2	3.5	<1	<1	<1	<1
Isopropylbenzene (Cumene)	**None**	---	<0.59	<0.59	<1	<1	<1	<1	<1	<1
p-Isopropyltoluene	**None**	---	<0.67	<0.67	<1	<1	<1	<1	<1	<1
Naphthalene	**100**	---	29	33	25.1	13.8	<4	<4	<4	7.6
n-Propylbenzene	**None**	---	<0.81	<0.81	<1	<1	<1	<1	<1	<1
Styrene	**100**	---	<0.86	<0.86	<1	<1	<1	<1	<1	<1
Toluene	**1,000**	<3.6	<0.67	<0.67	1.1	<1	<1	<1	<1	<1
1,2,4-Trimethylbenzene	**480**[a]	---	<2.9	<3.0	1.7	3	<1	<1	1.8	1.2
1,3,5-Trimethylbenzene	**480**[a]	---	<0.83	<0.83	<1	<1	<1	<1	<1	<1
m&p-Xylene	**10,000**[b]	1.7	<1.8	<1.8	<2	<2	<2	<2	<2	<2
o-Xylene	**10,000**[b]	3.9	1.4	1.5	1.5	1.8	<1	<1	1.4	<1
PAH										
1-Methylnaphthalene	**None**	10	9.4	9.9	---	---	---	---	---	---
2-Chloronaphthalene	**None**	---	---	---	---	---	---	---	---	---
2-Methylnaphthalene	**None**	1.3	1.2	1.2	---	---	---	---	---	---
Acenaphthene	**None**	8.4	8.7	9.6	9.9	11.2	4.4	4.4	1.8	7.8
Acenaphthylene	**None**	<0.39	0.1	0.11	0.15	<0.041	<0.041	<0.040	<0.041	0.06
Anthracene	**3,000**	<0.35	0.12	0.13	0.12	0.14	0.071	0.044	<0.041	0.091
Benzo(a)anthracene	**None**	<0.39	0.017	0.018	<0.041	<0.041	<0.041	<0.040	<0.041	<0.041
Benzo(a)pyrene	**0.2**	<0.36	0.019	<0.019	<0.041	0.044	<0.041	<0.040	<0.041	<0.041
Benzo(b)fluoranthene	**0.2**	<0.36	<0.017	<0.017	<0.041	<0.041	<0.31	<0.040	<0.041	<0.041
Benzo(g,h,i)perylene	**None**	<0.41	<0.020	<0.020	<0.041	<0.041	<0.041	<0.040	<0.041	<0.041
Benzo(k)fluoranthene	**None**	<0.39	<0.020	<0.020	<0.041	<0.041	<0.041	<0.040	<0.041	<0.041
Chrysene	**0.2**	<0.33	<0.020	<0.020	<0.041	<0.041	<0.041	<0.040	<0.041	<0.041
Dibenz(a,h)anthracene	**None**	<0.44	---	---	<0.041	<0.041	<0.041	<0.040	<0.041	<0.041
Dibenzofuran	**None**	---	---	---	---	---	---	---	---	
Fluoranthene	**400**	<0.33	<0.059	0.059	0.044	0.12	<0.041	<0.040	<0.041	<0.041
Fluorene	**400**	1.2	0.73	0.79	2.4	1.8	0.78	0.69	0.33	1.2
Indeno(1,2,3-cd)pyrene	**None**	<0.34	<0.020	<0.020	<0.041	<0.041	<0.041	<0.040	<0.041	<0.041
Naphthalene	**100**	19	17	18	13.9	7.1	0.92	0.64	0.49	4.8
Phenanthrene	**None**	1	0.39	0.46	0.9	0.87	0.23	0.31	0.18	0.74
Pyrene	**250**	<0.33	0.085	0.089	0.049	0.14	0.043	0.042	<0.041	<0.041

Results are reported in micrograms per liter or parts per billion.

Shaded results indicate concentrations greater than the enforcement standards.

Only Detected compounds are listed on this table. See laboratory analytical reports for list of results.

a. The enforcement standard is 480 ug/L for the sum of all trimethylbenzene concentrations.

b. The enforcement standard is 10,000 ug/L for the total xylene concentrations.

Table 3, MW-12

Parameters	WDNR Enforcement Standard	MW-12 11/16/2004	MW-12 11/14/2005	MW-12 8/12/2008
VOC				
Acetone	**1,000**	---	---	<10
Benzene	**5**	**4,000**	**4,100**	**1,730**
Bromobenzene	**None**	---	<20	<1
2-Butanone (MEK)	**460**	---	---	<4
Chloroethane	**400**	---	<24	<1
Chloroform	**6**	---	<9.2	<1
Chloromethane	**3**	---	<6.0	<1
Ethylbenzene	**700**	<10	<14	3.3
Isopropylbenzene (Cumene)	**None**	---	<15	1.8
p-Isopropyltoluene	**None**	---	<17	<1
Naphthalene	**100**	---	<18	<4
n-Propylbenzene	**None**	---	<20	<1
Styrene	**100**	---	<22	<1
Toluene	**1,000**	<8.9	<17	<1
1,2,4-Trimethylbenzene	**480**[a]	---	<24	5.5
1,3,5-Trimethylbenzene	**480**[a]	---	<21	<1
m&p-Xylene	**10,000**[b]	<19	<45	<2
o-Xylene	**10,000**[b]	<9	<21	1.3
PAH				
1-Methylnaphthalene	**None**	53	43	---
2-Chloronaphthalene	**None**	---	---	---
2-Methylnaphthalene	**None**	12	1.8	---
Acenaphthene	**None**	51	46	39
Acenaphthylene	**None**	<3.1	<0.86	0.39
Anthracene	**3,000**	3.9	4	2.6
Benzo(a)anthracene	**None**	<3.1	<1.7	0.076
Benzo(a)pyrene	**0.2**	<2.9	<1.9	<0.041
Benzo(b)fluoranthene	**0.2**	<2.9	<1.7	<0.041
Benzo(g,h,i)perylene	**None**	<3.3	<2.0	<0.041
Benzo(k)fluoranthene	**None**	<3.1	<2.0	<0.041
Chrysene	**0.2**	<2.6	<2.0	0.11
Dibenz(a,h)anthracene	**None**	<3.5	---	<0.041
Dibenzofuran	**None**	---	---	---
Fluoranthene	**400**	3	<1.6	1.3
Fluorene	**400**	11	8.7	9.8
Indeno(1,2,3-cd)pyrene	**None**	<2.7	2	<0.041
Naphthalene	**100**	13	<4.9	1.1
Phenanthrene	**None**	18	<15	14.6
Pyrene	**250**	3.5	<1.8	1.4

Results are reported in micrograms per liter or parts per billion.

Shaded results indicate concentrations greater than the enforcement standards.

Only Detected compounds are listed on this table. See laboratory analytical reports for list of results.

a. The enforcement standard is 480 ug/L for the sum of all trimethylbenzene concentrations.

b. The enforcement standard is 10,000 ug/L for the total xylene concentrations.

Table 3, MW-13

Parameters	WDNR Enforcement Standard	MW-13 11/15/2005	MW-13 10/24/2006	MW-13 8/13/2008	MW-13 11/3/2011
VOC					
Acetone	**1,000**	---	<5.0	<10	<25
Benzene	**5**	3.8	<1.0	<1	<1
Bromobenzene	**None**	<0.82	<1.0	<1	<1
2-Butanone (MEK)	**460**	---	<5.0	<4	<4
Chloroethane	**400**	<0.97	<1.0	<1	<1
Chloroform	**6**	<0.37	<1.0	<1	<1
Chloromethane	**3**	0.6	<1.0	<1	<4
Ethylbenzene	**700**	<0.54	<1.0	<1	<1
Isopropylbenzene (Cumene)	**None**	<0.59	<1.0	<1	<1
p-Isopropyltoluene	**None**	<0.67	<1.0	<1	<1
Naphthalene	**100**	<0.74	<1.0	<4	<4
n-Propylbenzene	**None**	<0.81	<1.0	<1	<1
Styrene	**100**	<0.86	<1.0	<1	<1
Toluene	**1,000**	<0.67	<1.0	<1	<1
1,2,4-Trimethylbenzene	**480**[a]	<0.97	<1.0	<1	<1
1,3,5-Trimethylbenzene	**480**[a]	<0.83	<1.0	<1	<1
m&p-Xylene	**10,000**[b]	<1.8	<2.0	<2	<2
o-Xylene	**10,000**[b]	<0.83	<1.0	<1	<1
PAH					
1-Methylnaphthalene	**None**	0.055	<0.04	---	---
2-Chloronaphthalene	**None**	---	<0.04	---	---
2-Methylnaphthalene	**None**	0.045	<0.04	---	---
Acenaphthene	**None**	<0.0086	<0.04	<0.04	<0.042
Acenaphthylene	**None**	<0.0086	<0.04	<0.04	<0.042
Anthracene	**3,000**	<0.012	<0.04	<0.04	<0.042
Benzo(a)anthracene	**None**	<0.017	<0.04	<0.04	<0.042
Benzo(a)pyrene	**0.2**	<0.019	<0.04	<0.04	<0.042
Benzo(b)fluoranthene	**0.2**	<0.017	<0.04	<0.04	<0.042
Benzo(g,h,i)perylene	**None**	<0.020	<0.04	<0.04	<0.042
Benzo(k)fluoranthene	**None**	<0.020	<0.04	<0.04	<0.042
Chrysene	**0.2**	<0.020	<0.04	<0.04	<0.042
Dibenz(a,h)anthracene	**None**	---	---	<0.04	<0.042
Dibenzofuran	**None**	---	<0.04	---	---
Fluoranthene	**400**	<0.016	<0.04	<0.04	<0.042
Fluorene	**400**	0.014	<0.04	<0.04	<0.042
Indeno(1,2,3-cd)pyrene	**None**	<0.020	<0.04	<0.04	<0.042
Naphthalene	**100**	0.34	<0.04	<0.04	<0.042
Phenanthrene	**None**	0.022	<0.04	<0.04	<0.042
Pyrene	**250**	<0.015	<0.04	<0.04	<0.042

Results are reported in micrograms per liter or parts per billion.

Shaded results indicate concentrations greater than the enforcement standards.

Only Detected compounds are listed on this table. See laboratory analytical reports for list of results.

a. The enforcement standard is 480 ug/L for the sum of all trimethylbenzene concentrations.

b. The enforcement standard is 10,000 ug/L for the total xylene concentrations.

Table 3, MW-14

Parameters	WDNR Enforcement Standard	MW-14	MW-14	MW-14	MW-14
		11/16/2005	10/24/2006	8/12/2008	11/3/2011
VOC					
Acetone	**1,000**	---	<5.0	<10	<25
Benzene	**5**	<0.41	<1.0	<1	<1
Bromobenzene	**None**	<0.82	<1.0	<1	<1
2-Butanone (MEK)	**460**	---	<5.0	<4	<4
Chloroethane	**400**	<0.97	<1.0	<1	<1
Chloroform	**6**	<0.37	<1.0	<1	<1
Chloromethane	**3**	0.56	<1.0	<1	<4
Ethylbenzene	**700**	<0.54	<1.0	<1	<1
Isopropylbenzene (Cumene)	**None**	<0.59	<1.0	<1	<1
p-Isopropyltoluene	**None**	<0.67	<1.0	<1	<1
Naphthalene	**100**	0.93	<1.0	<4	<4
n-Propylbenzene	**None**	<0.81	<1.0	<1	<1
Styrene	**100**	<0.86	<1.0	<1	<1
Toluene	**1,000**	<0.67	<1.0	<1	<1
1,2,4-Trimethylbenzene	**480**[a]	<0.97	<1.0	<1	<1
1,3,5-Trimethylbenzene	**480**[a]	<0.83	<1.0	<1	<1
m&p-Xylene	**10,000**[b]	<1.8	<2.0	<2	<2
o-Xylene	**10,000**[b]	<0.83	<1.0	<1	<1
PAH					
1-Methylnaphthalene	**None**	<0.011	<0.04	---	---
2-Chloronaphthalene	**None**	---	<0.04	---	---
2-Methylnaphthalene	**None**	<0.012	<0.04	---	---
Acenaphthene	**None**	<0.0086	<0.04	<0.04	<0.041
Acenaphthylene	**None**	<0.0086	<0.04	<0.04	<0.041
Anthracene	**3,000**	<0.012	<0.04	<0.04	<0.041
Benzo(a)anthracene	**None**	<0.017	<0.04	<0.04	<0.041
Benzo(a)pyrene	**0.2**	<0.019	<0.04	<0.04	<0.041
Benzo(b)fluoranthene	**0.2**	<0.017	<0.04	<0.04	<0.041
Benzo(g,h,i)perylene	**None**	<0.020	<0.04	<0.04	<0.041
Benzo(k)fluoranthene	**None**	<0.020	<0.04	<0.04	<0.041
Chrysene	**0.2**	<0.020	<0.04	<0.04	<0.041
Dibenz(a,h)anthracene	**None**	---	---	<0.04	<0.041
Dibenzofuran	**None**	---	<0.04	---	---
Fluoranthene	**400**	<0.016	0.057	<0.04	<0.041
Fluorene	**400**	<0.0096	<0.04	<0.04	<0.041
Indeno(1,2,3-cd)pyrene	**None**	<0.020	<0.04	<0.04	<0.041
Naphthalene	**100**	0.023	<0.04	0.056	<0.041
Phenanthrene	**None**	<0.012	0.073	<0.04	<0.041
Pyrene	**250**	<0.015	0.068	<0.04	<0.041

Results are reported in micrograms per liter or parts per billion.

Shaded results indicate concentrations greater than the enforcement standards.

Only Detected compounds are listed on this table. See laboratory analytical reports for list of results.

a. The enforcement standard is 480 ug/L for the sum of all trimethylbenzene concentrations.

b. The enforcement standard is 10,000 ug/L for the total xylene concentrations.

Table 3, MW-15

Parameters	WDNR Enforcement Standard	MW-15 11/14/2005	MW-15 DUP 11/14/2005	MW-15 10/24/2006	MW-15 8/12/2008	MW-15 DUP 8/12/2008	MW-15 7/22/2009	MW-15 4/21/2010	MW-15 10/20/2010	MW-15 4/14/2011	MW-15 11/4/2011
VOC											
Acetone	**1,000**	---	---	<5.0	<10	<10	<10	<10	<10	<25	<25
Benzene	**5**	**23**	**21**	**23.2**	**51.5**	**48.6**	**50.7**	**15.7**	**44.3**	**83**	30
Bromobenzene	**None**	<0.82	<0.82	<1.0	<1	<1	<1	<1	<1	<1	<1
2-Butanone (MEK)	**460**	---	---	<5.0	<4	<4	<4	<4	<4	<4	<4
Chloroethane	**400**	<0.97	<0.97	<1.0	<1	<1	<1	<1	<1	<1	<1
Chloroform	**6**	<0.37	<0.37	<1.0	<1	<1	<1	<1	<1	<1	<1
Chloromethane	**3**	<0.24	<0.24	<1.0	<1	1.1	<4	<4	<4	<4	<4
Ethylbenzene	**700**	6.8	5	5	<1	<1	4.7	<1	<1	3.5	<1
Isopropylbenzene (Cumene)	**None**	4.3	4	4.4	1.0	1.0	3.1	<1	<1	2.2	<1
p-Isopropyltoluene	**None**	<0.67	<0.67	<1.0	<1	<1	<1	<1	<1	<1	<1
Naphthalene	**100**	**110**	90	79.7	4.9	5.0	63.4	11.4	7.2	12.7	7.9
n-Propylbenzene	**None**	1.6	1.4	1.5	<1	<1	1	<1	<1	<1	<1
Styrene	**100**	<0.86	<0.86	<1.0	<1	<1	<1	<1	<1	<1	<1
Toluene	**1,000**	<0.67	<0.67	<1.0	<1	<1	<1	<1	<1	<1	<1
1,2,4-Trimethylbenzene	**480**[a]	25	23	17.7	1.6	1.7	14	2.4	1.7	9.5	1.9
1,3,5-Trimethylbenzene	**480**[a]	3.6	2.9	1.7	<1	<1	<1	<1	<1	<1	<1
m&p-Xylene	**10,000**[b]	<1.8	<1.8	<2.0	<2	<2	<2	<2	2.3	<2	<2
o-Xylene	**10,000**[b]	2.8	2.2	2.4	1.1	1.1	2.3	<1	<1	1.1	<1
PAH											
1-Methylnaphthalene	**None**	45	57	38.4	---	---	---	---	---	---	---
2-Chloronaphthalene	**None**	---	---	0.075	---	---	---	---	---	---	---
2-Methylnaphthalene	**None**	17	20	9.4	---	---	---	---	---	---	---
Acenaphthene	**None**	43	51	49.6	52.4	49.9	56.2	89.7	97	33.8	63.3
Acenaphthylene	**None**	<1.7	0.71	<0.04	0.88	0.74	<0.042	2.1	1.5	0.22	1.6
Anthracene	**3,000**	3.5	4.2	2.8	0.85	0.89	1.5	1	1.1	0.79	1.3
Benzo(a)anthracene	**None**	0.27	<0.33	0.23	0.18	0.18	0.16	0.19	0.15	0.086	0.22
Benzo(a)pyrene	**0.2**	0.11	<0.39	<0.04	0.053	0.047	<0.042	0.061	<0.04	<0.041	0.12
Benzo(b)fluoranthene	**0.2**	0.054	<0.33	0.16	0.049	0.048	<0.042	<0.31	<0.04	<0.041	0.086
Benzo(g,h,i)perylene	**None**	0.054	<0.41	<0.04	<0.041	<0.041	<0.042	<0.041	<0.04	<0.041	<0.041
Benzo(k)fluoranthene	**None**	0.063	<0.41	<0.04	<0.041	<0.041	<0.042	<0.041	<0.04	<0.041	<0.041
Chrysene	**0.2**	**0.22**	<0.40	0.19	**0.21**	**0.2**	0.14	0.17	0.13	0.072	0.2
Dibenz(a,h)anthracene	**None**	---	---	---	<0.041	<0.041	<0.042	<0.041	<0.04	<0.041	<0.041
Dibenzofuran	**None**	---	---	0.61	---	---	---	---	---	---	---
Fluoranthene	**400**	<3.3	2.2	1.9	1.5	1.5	1	1.3	1.3	0.68	1.3
Fluorene	**400**	7.3	10	10.2	9.9	9.6	10.6	16.5	15.8	6.7	14.6
Indeno(1,2,3-cd)pyrene	**None**	0.037	<0.40	<0.04	<0.041	<0.041	<0.042	<0.041	<0.04	<0.041	<0.041
Naphthalene	**100**	83	93	49.8	2.8	2.8	39.4	7	5.7	6	4.2
Phenanthrene	**None**	16	22	14.9	7.6	7.8	10.2	7.5	5.6	4.7	5.2
Pyrene	**250**	<3.1	2.6	2.5	1.6	1.7	1.2	1.3	1.4	0.81	1.5

Results are reported in micrograms per liter or parts per billion.

Shaded results indicate concentrations greater than the enforcement standards.

Only Detected compounds are listed on this table. See laboratory analytical reports for list of results.

a. The enforcement standard is 480 ug/L for the sum of all trimethylbenzene concentrations.

b. The enforcement standard is 10,000 ug/L for the total xylene concentrations.

Table 3, MW-16

Parameters	WDNR Enforcement Standard	MW-16 11/15/2005	MW-16 10/24/2006	MW-16 8/12/2008	MW-16 4/21/2010
VOC					
Acetone	**1,000**	---	<5.0	<10	<10
Benzene	**5**	<0.41	<1.0	<1	<1
Bromobenzene	**None**	<0.82	<1.0	<1	<1
2-Butanone (MEK)	**460**	---	<5.0	<4	<4
Chloroethane	**400**	<0.97	<1.0	<1	<1
Chloroform	**6**	<0.37	<1.0	<1	<1
Chloromethane	**3**	0.53	<1.0	**37.7**	<4.0
Ethylbenzene	**700**	<0.54	<1.0	<1	<1
Isopropylbenzene (Cumene)	**None**	<0.59	<1.0	<1	<1
p-Isopropyltoluene	**None**	<0.67	<1.0	<1	<1
Naphthalene	**100**	<0.74	<1.0	<4	<4
n-Propylbenzene	**None**	<0.81	<1.0	<1	<1
Styrene	**100**	<0.86	<1.0	<1	<1
Toluene	**1,000**	<0.67	<1.0	<1	<1
1,2,4-Trimethylbenzene	**480**[a]	<0.97	<1.0	<1	<1
1,3,5-Trimethylbenzene	**480**[a]	<0.83	<1.0	<1	<1
m&p-Xylene	**10,000**[b]	<1.8	<2.0	<2	<2
o-Xylene	**10,000**[b]	<0.83	<1.0	<1	<1
PAH					
1-Methylnaphthalene	**None**	0.074	<0.04	---	---
2-Chloronaphthalene	**None**	---	<0.04	---	---
2-Methylnaphthalene	**None**	0.047	<0.04	---	---
Acenaphthene	**None**	0.042	<0.04	0.04	<0.041
Acenaphthylene	**None**	<0.0086	<0.04	<0.04	<0.041
Anthracene	**3,000**	0.023	<0.04	<0.04	<0.041
Benzo(a)anthracene	**None**	0.027	0.049	<0.04	<0.041
Benzo(a)pyrene	**0.2**	0.021	<0.04	<0.04	<0.041
Benzo(b)fluoranthene	**0.2**	<0.017	0.17	<0.04	<0.31
Benzo(g,h,i)perylene	**None**	<0.020	0.26	<0.04	<0.041
Benzo(k)fluoranthene	**None**	<0.020	<0.04	<0.04	<0.041
Chrysene	**0.2**	0.024	0.044	<0.04	<0.041
Dibenz(a,h)anthracene	**None**	---	---	<0.04	<0.041
Dibenzofuran	**None**	---	<0.04	---	---
Fluoranthene	**400**	0.035	0.097	<0.04	<0.041
Fluorene	**400**	0.015	<0.04	<0.04	<0.041
Indeno(1,2,3-cd)pyrene	**None**	<0.020	<0.04	<0.04	<0.041
Naphthalene	**100**	0.36	<0.04	<0.04	<0.041
Phenanthrene	**None**	0.054	0.075	<0.04	<0.041
Pyrene	**250**	0.059	0.079	<0.04	<0.041

Results are reported in micrograms per liter or parts per billion.

Shaded results indicate concentrations greater than the enforcement standards.

Only Detected compounds are listed on this table. See laboratory analytical reports for list of results.

a. The enforcement standard is 480 ug/L for the sum of all trimethylbenzene concentrations.

b. The enforcement standard is 10,000 ug/L for the total xylene concentrations.

Table 3, MW-17

Parameters	WDNR Enforcement Standard	MW-17 11/15/2005	MW-17 10/24/2006	MW-17 8/13/2008
VOC				
Acetone	**1,000**	---	<5.0	<10
Benzene	**5**	<0.41	<1.0	<1
Bromobenzene	**None**	<0.82	<1.0	<1
2-Butanone (MEK)	**460**	---	<5.0	<4
Chloroethane	**400**	<0.97	<1.0	<1
Chloroform	**6**	<0.37	<1.0	<1
Chloromethane	**3**	<0.24	<1.0	<1
Ethylbenzene	**700**	<0.54	<1.0	<1
Isopropylbenzene (Cumene)	**None**	<0.59	<1.0	<1
p-Isopropyltoluene	**None**	<0.67	<1.0	<1
Naphthalene	**100**	<0.74	<1.0	<4
n-Propylbenzene	**None**	<0.81	<1.0	<1
Styrene	**100**	<0.86	<1.0	<1
Toluene	**1,000**	<0.67	<1.0	<1
1,2,4-Trimethylbenzene	**480**[a]	<0.97	<1.0	<1
1,3,5-Trimethylbenzene	**480**[a]	<0.83	<1.0	<1
m&p-Xylene	**10,000**[b]	<1.8	<2.0	<2
o-Xylene	**10,000**[b]	<0.83	<1.0	<1
PAH				
1-Methylnaphthalene	**None**	<0.011	<0.04	---
2-Chloronaphthalene	**None**	---	<0.04	---
2-Methylnaphthalene	**None**	<0.012	<0.04	---
Acenaphthene	**None**	0.017	0.056	<0.041
Acenaphthylene	**None**	<0.0086	<0.04	<0.041
Anthracene	**3,000**	0.015	<0.04	<0.041
Benzo(a)anthracene	**None**	<0.017	<0.04	<0.041
Benzo(a)pyrene	**0.2**	<0.019	<0.04	<0.041
Benzo(b)fluoranthene	**0.2**	<0.017	<0.04	<0.041
Benzo(g,h,i)perylene	**None**	<0.020	<0.04	<0.041
Benzo(k)fluoranthene	**None**	<0.020	<0.04	<0.041
Chrysene	**0.2**	<0.020	<0.04	<0.041
Dibenz(a,h)anthracene	**None**	---	---	<0.041
Dibenzofuran	**None**	---	<0.04	---
Fluoranthene	**400**	0.023	<0.04	<0.041
Fluorene	**400**	<0.0096	<0.04	<0.041
Indeno(1,2,3-cd)pyrene	**None**	<0.020	<0.04	<0.041
Naphthalene	**100**	0.029	<0.04	0.051
Phenanthrene	**None**	0.052	0.07	<0.041
Pyrene	**250**	0.037	<0.04	<0.041

Results are reported in micrograms per liter or parts per billion.

Shaded results indicate concentrations greater than the enforcement standards.

Only Detected compounds are listed on this table. See laboratory analytical reports for list of results.

a. The enforcement standard is 480 ug/L for the sum of all trimethylbenzene concentrations.

b. The enforcement standard is 10,000 ug/L for the total xylene concentrations.

Table 3, MW-18

Parameters	WDNR Enforcement Standard	MW-18	MW-18	MW-18	MW-18
		11/15/2005	10/24/2006	8/13/2008	10/21/2010
VOC					
Acetone	**1,000**	---	110	99.6	134
Benzene	**5**	4.1	4.1	3.5	3.6
Bromobenzene	**None**	<0.82	<1.0	<1	<1
2-Butanone (MEK)	**460**	---	<5.0	<4	<4
Chloroethane	**400**	<0.97	<1.0	<1	<1
Chloroform	**6**	<0.37	<1.0	<1	<1
Chloromethane	**3**	0.33	<1.0	**3.9**	<1
Ethylbenzene	**700**	<0.54	<1.0	<1	<1
Isopropylbenzene (Cumene)	**None**	<0.59	<1.0	<1	<1
p-Isopropyltoluene	**None**	<0.67	<1.0	<1	<1
Naphthalene	**100**	0.89	<1.0	<4	<4
n-Propylbenzene	**None**	<0.81	<1.0	<1	<1
Styrene	**100**	<0.86	<1.0	<1	<1
Toluene	**1,000**	3.2	1.1	1.1	<1
1,2,4-Trimethylbenzene	**480**[a]	<0.97	<1.0	<1	<1
1,3,5-Trimethylbenzene	**480**[a]	<0.83	<1.0	<1	<1
m&p-Xylene	**10,000**[b]	<1.8	<2.0	<2	<2
o-Xylene	**10,000**[b]	<0.83	<1.0	<1	<1
PAH					
1-Methylnaphthalene	**None**	0.17	0.22	---	---
2-Chloronaphthalene	**None**	---	<0.04	---	---
2-Methylnaphthalene	**None**	0.13	0.18	---	---
Acenaphthene	**None**	0.09	0.1	<0.041	<0.04
Acenaphthylene	**None**	0.013	<0.04	<0.041	<0.04
Anthracene	**3,000**	0.049	0.072	<0.041	<0.04
Benzo(a)anthracene	**None**	0.044	0.047	<0.041	<0.04
Benzo(a)pyrene	**0.2**	0.026	<0.04	<0.041	<0.04
Benzo(b)fluoranthene	**0.2**	0.019	0.15	<0.041	<0.04
Benzo(g,h,i)perylene	**None**	<0.020	<0.04	<0.041	<0.04
Benzo(k)fluoranthene	**None**	<0.020	<0.04	<0.041	<0.04
Chrysene	**0.2**	0.044	<0.04	<0.041	<0.04
Dibenz(a,h)anthracene	**None**	---	---	<0.041	<0.04
Dibenzofuran	**None**	---	0.042	---	---
Fluoranthene	**400**	0.09	0.18	0.064	0.043
Fluorene	**400**	0.059	0.064	<0.041	<0.04
Indeno(1,2,3-cd)pyrene	**None**	<0.020	<0.04	<0.041	<0.04
Naphthalene	**100**	0.13	0.21	0.21	0.15
Phenanthrene	**None**	0.21	0.43	0.086	0.063
Pyrene	**250**	0.16	0.21	0.077	0.05

Results are reported in micrograms per liter or parts per billion.

Shaded results indicate concentrations greater than the enforcement standards.

Only Detected compounds are listed on this table. See laboratory analytical reports for list of results.

a. The enforcement standard is 480 ug/L for the sum of all trimethylbenzene concentrations.

b. The enforcement standard is 10,000 ug/L for the total xylene concentrations.

Table 3, MW-19

Parameters	WDNR Enforcement Standard	MW-19 11/14/2005	MW-19 10/24/2006	MW-19 8/12/2008
VOC				
Acetone	**1,000**	---	<5.0	<10
Benzene	**5**	<0.41	<1.0	<1
Bromobenzene	**None**	<0.82	<1.0	<1
2-Butanone (MEK)	**460**	---	<5.0	<4
Chloroethane	**400**	<0.97	<1.0	<1
Chloroform	**6**	<0.37	<1.0	<1
Chloromethane	**3**	<0.24	<1.0	<1
Ethylbenzene	**700**	<0.54	<1.0	<1
Isopropylbenzene (Cumene)	**None**	<0.59	<1.0	<1
p-Isopropyltoluene	**None**	<0.67	<1.0	<1
Naphthalene	**100**	<0.74	<1.0	<4
n-Propylbenzene	**None**	<0.81	<1.0	<1
Styrene	**100**	<0.86	<1.0	<1
Toluene	**1,000**	<0.67	<1.0	<1
1,2,4-Trimethylbenzene	**480**[a]	<0.97	<1.0	<1
1,3,5-Trimethylbenzene	**480**[a]	<0.83	<1.0	<1
m&p-Xylene	**10,000**[b]	<1.8	<2.0	<2
o-Xylene	**10,000**[b]	<0.83	<1.0	<1
PAH				
1-Methylnaphthalene	**None**	0.04	<0.04	---
2-Chloronaphthalene	**None**	---	<0.04	---
2-Methylnaphthalene	**None**	0.025	<0.04	---
Acenaphthene	**None**	0.045	<0.04	<0.041
Acenaphthylene	**None**	<0.0086	<0.04	<0.041
Anthracene	**3,000**	0.015	<0.04	<0.041
Benzo(a)anthracene	**None**	<0.017	<0.04	<0.041
Benzo(a)pyrene	**0.2**	<0.019	<0.04	<0.041
Benzo(b)fluoranthene	**0.2**	<0.017	<0.04	<0.041
Benzo(g,h,i)perylene	**None**	<0.020	<0.04	<0.041
Benzo(k)fluoranthene	**None**	<0.020	<0.04	<0.041
Chrysene	**0.2**	<0.020	<0.04	<0.041
Dibenz(a,h)anthracene	**None**	---	---	<0.041
Dibenzofuran	**None**	---	<0.04	---
Fluoranthene	**400**	0.021	<0.04	<0.041
Fluorene	**400**	0.012	<0.04	<0.041
Indeno(1,2,3-cd)pyrene	**None**	<0.020	<0.04	<0.041
Naphthalene	**100**	0.097	<0.04	<0.041
Phenanthrene	**None**	0.036	<0.04	<0.041
Pyrene	**250**	0.026	<0.04	<0.041

Results are reported in micrograms per liter or parts per billion.

Shaded results indicate concentrations greater than the enforcement standards.

Only Detected compounds are listed on this table. See laboratory analytical reports for list of results.

a. The enforcement standard is 480 ug/L for the sum of all trimethylbenzene concentrations.

b. The enforcement standard is 10,000 ug/L for the total xylene concentrations.

Table 3, MW-20

Parameters	Enforcement Standard	MW-20 11/14/2005	MW-20 10/24/2006	MW-20 8/13/2008	MW-20 7/22/2009	MW-20 4/21/2010	MW-20 10/20/2010	MW-20 4/14/2011	MW-20 11/4/2011
VOC									
Acetone	**1,000**	---	<5.0	<100	<250	<50	<20	<25	<1250
Benzene	**5**	**3,800**	**5,830**	**16,000**	**2,770**	**378**	**15,500**	**106**	**14,700**
Bromobenzene	**None**	<41	<1.0	<10	<25	<5	<2	<1	<50
2-Butanone (MEK)	**460**	---	<5.0	<40	<100	<20	<8	<4	<200
Chloroethane	**400**	<48	<1.0	<10	<25	<5	<2	<1	<50
Chloroform	**6**	<18	<1.0	<10	<25	<5	<2	<1	<50
Chloromethane	**3**	<12	<1.0	<10	<100	<5	<2	<4	<200
Ethylbenzene	**700**	43	10.1	30.4	<25	<5	42	1.1	127
Isopropylbenzene (Cumene)	**None**	<30	6.7	<10	<25	<20	8.3	1.7	<50
p-Isopropyltoluene	**None**	<34	<1.0	<10	<25	<5	<2	<1	<50
Naphthalene	**100**	**280**	41.1	<40	<100	<20	65.9	4.9	<200
n-Propylbenzene	**None**	<40	3.1	<10	<25	<5	3.7	<1	<50
Styrene	**100**	<43	<1.0	<10	<25	<5	<2	<1	<50
Toluene	**1,000**	<34	<1.0	<10	<25	<5	<2	<1	<50
1,2,4-Trimethylbenzene	**480**[a]	<48	31	18.6	<25	7.8	38.4	8	<50
1,3,5-Trimethylbenzene	**480**[a]	<42	1.3	<10	<25	<5	<2	<1	<50
m&p-Xylene	**10,000**[b]	<90	<1.0	<20	<50	<10	4.9	<2	245
o-Xylene	**10,000**[b]	<42	12.6	20	<25	<5	39.3	1.8	63.5
PAH									
1-Methylnaphthalene	**None**	18	29.5	---	---	---	---	---	---
2-Chloronaphthalene	**None**	---	<0.04	---	---	---	---	---	---
2-Methylnaphthalene	**None**	1.4	1.5	---	---	---	---	---	---
Acenaphthene	**None**	14	27.1	55.4	33.5	36.2	74.6	23.7	61.8
Acenaphthylene	**None**	<0.86	<0.04	<0.04	<0.041	0.21	0.4	0.13	0.3
Anthracene	**3,000**	<1.2	0.2	0.17	0.21	0.2	0.41	0.24	0.18
Benzo(a)anthracene	**None**	<1.7	<0.04	<0.04	<0.041	<0.041	<0.04	<0.041	<0.043
Benzo(a)pyrene	**0.2**	<1.9	<0.04	<0.04	<0.041	<0.041	<0.04	<0.041	<0.043
Benzo(b)fluoranthene	**0.2**	<1.7	<0.04	<0.04	<0.041	<0.31	<0.04	<0.041	<0.043
Benzo(g,h,i)perylene	**None**	<2.0	<0.04	<0.04	<0.041	<0.041	<0.04	<0.041	<0.043
Benzo(k)fluoranthene	**None**	<2.0	<0.04	<0.04	<0.041	<0.041	<0.04	<0.041	<0.043
Chrysene	**0.2**	<2.0	<0.04	<0.04	<0.041	<0.041	<0.04	<0.041	<0.043
Dibenz(a,h)anthracene	**None**	---	---	<0.04	<0.041	<0.041	<0.04	<0.041	<0.043
Dibenzofuran	**None**	---	0.19	---	---	---	---	---	---
Fluoranthene	**400**	<1.6	0.34	0.25	0.29	0.23	0.36	0.27	0.23
Fluorene	**400**	<0.96	3.3	3.5	2.4	2.6	6.7	1.9	4.1
Indeno(1,2,3-cd)pyrene	**None**	<2.0	<0.04	<0.04	<0.041	<0.041	<0.04	<0.041	<0.043
Naphthalene	**100**	**130**	21.4	28.6	5.1	1.7	43.4	3.2	13.8
Phenanthrene	**None**	<1.2	1.2	0.95	1.1	1.1	1.9	1.3	0.6
Pyrene	**250**	<1.5	0.29	0.19	0.28	0.17	0.27	0.21	0.18

Results are reported in micrograms per liter or parts per billion.

Shaded results indicate concentrations greater than the enforcement standards.

Only Detected compounds are listed on this table. See laboratory analytical reports for list of results.

a. The enforcement standard is 480 ug/L for the sum of all trimethylbenzene concentrations.

b. The enforcement standard is 10,000 ug/L for the total xylene concentrations.

Table 3, MW-21

Parameters	WDNR Enforcement Standard	MW-21 11/15/2005	MW-21 10/24/2006	MW-21 8/13/2008
VOC				
Acetone	**1,000**	---	<5.0	<10
Benzene	**5**	<0.41	<1.0	<1
Bromobenzene	**None**	<0.82	<1.0	<1
2-Butanone (MEK)	**460**	---	<5.0	<4
Chloroethane	**400**	<0.97	<1.0	<1
Chloroform	**6**	0.39	<1.0	<1
Chloromethane	**3**	<0.24	<1.0	**3.6**
Ethylbenzene	**700**	<0.54	<1.0	<1
Isopropylbenzene (Cumene)	**None**	<0.59	<1.0	<1
p-Isopropyltoluene	**None**	<0.67	<1.0	<1
Naphthalene	**100**	<0.74	<1.0	<4
n-Propylbenzene	**None**	<0.81	<1.0	<1
Styrene	**100**	<0.86	<1.0	<1
Toluene	**1,000**	<0.67	<1.0	<1
1,2,4-Trimethylbenzene	**480**[a]	<0.97	<1.0	<1
1,3,5-Trimethylbenzene	**480**[a]	<0.83	<1.0	<1
m&p-Xylene	**10,000**[b]	<1.8	<2.0	<2
o-Xylene	**10,000**[b]	<0.83	<1.0	<1
PAH				
1-Methylnaphthalene	**None**	0.02	<0.04	---
2-Chloronaphthalene	**None**	---	<0.04	---
2-Methylnaphthalene	**None**	0.023	<0.04	---
Acenaphthene	**None**	0.016	<0.04	<0.04
Acenaphthylene	**None**	<0.0086	<0.04	<0.04
Anthracene	**3,000**	<0.012	<0.04	<0.04
Benzo(a)anthracene	**None**	<0.017	<0.04	<0.04
Benzo(a)pyrene	**0.2**	<0.019	<0.04	<0.04
Benzo(b)fluoranthene	**0.2**	<0.017	<0.04	<0.04
Benzo(g,h,i)perylene	**None**	<0.020	<0.04	<0.04
Benzo(k)fluoranthene	**None**	<0.020	<0.04	<0.04
Chrysene	**0.2**	<0.020	<0.04	<0.04
Dibenz(a,h)anthracene	**None**	---	---	<0.04
Dibenzofuran	**None**	---	<0.04	---
Fluoranthene	**400**	<0.016	<0.04	<0.04
Fluorene	**400**	<0.0096	<0.04	<0.04
Indeno(1,2,3-cd)pyrene	**None**	<0.020	<0.04	<0.04
Naphthalene	**100**	0.23	<0.04	<0.04
Phenanthrene	**None**	<0.012	<0.04	<0.04
Pyrene	**250**	<0.015	<0.04	<0.04

Results are reported in micrograms per liter or parts per billion.

Shaded results indicate concentrations greater than the enforcement standards.

Only Detected compounds are listed on this table. See laboratory analytical reports for list of results.

a. The enforcement standard is 480 ug/L for the sum of all trimethylbenzene concentrations.

b. The enforcement standard is 10,000 ug/L for the total xylene concentrations.

Table 3, MW-22

Parameters	WDNR Enforcement Standard	MW-22 11/15/2005	MW-22 10/24/2006	MW-22 8/13/2008	MW-22 7/22/2009	MW-22 4/22/2010	MW-22 10/28/2010	MW-22 4/14/2011	MW-22 11/4/2011
VOC									
Acetone	**1,000**	---	171	195	145	139	140	97.3	130
Benzene	**5**	**10**	**6.4**	**10.7**	**5.4**	**5.3**	4.0	4.9	4.5
Bromobenzene	**None**	<0.82	<1.0	<1	<1	<1	<1	<1	<1
2-Butanone (MEK)	**460**	---	10.5	9.5	10.0	11.4	8.8	5	12.1
Chloroethane	**400**	<0.97	<1.0	<1	<1	<1	<1	<1	<1
Chloroform	**6**	<0.37	1.1	<1	<1	<1	<1	<1	<1
Chloromethane	**3**	0.48	<1.0	<1	**4.1**	<4	<4	<4	<4
Ethylbenzene	**700**	<0.54	<1.0	<1	<1	<1	<1	<1	<1
Isopropylbenzene (Cumene)	**None**	<0.59	<1.0	<1	<1	1.4	1.1	1.2	1.8
p-Isopropyltoluene	**None**	<0.67	2.3	2.8	<1	2.7	1.4	1.3	2.5
Naphthalene	**100**	2.7	2.9	<4	<4	<4	<4	<4	<4
n-Propylbenzene	**None**	<0.81	<1.0	<1	<1	<1	<1	<1	<1
Styrene	**100**	<0.86	<1.0	<1	<1	<1	<1	<1	<1
Toluene	**1,000**	1.5	1.8	1.9	1.8	1.7	1.3	1.4	1.8
1,2,4-Trimethylbenzene	**480**[a]	<0.97	<1.0	<1	<1	8.6	7.7	10.3	13.6
1,3,5-Trimethylbenzene	**480**[a]	<0.83	<1.0	<1	<1	4.8	4.4	5.8	7.6
m&p-Xylene	**10,000**[b]	<1.8	<2.0	<2	<2	<2	<2	<2	<2
o-Xylene	**10,000**[b]	<0.83	<1.0	<1	<1	2.5	1.8	1.9	2.2
PAH									
1-Methylnaphthalene	**None**	1.7	0.25	---	---	---	---	---	---
2-Chloronaphthalene	**None**	---	<0.04	---	---	---	---	---	---
2-Methylnaphthalene	**None**	1.2	0.17	---	---	---	---	---	---
Acenaphthene	**None**	1.9	0.14	0.43	0.089	0.11	0.1	0.11	0.079
Acenaphthylene	**None**	0.12	<0.04	<0.041	<0.041	<0.041	<0.40	<0.041	<0.043
Anthracene	**3,000**	0.98	0.05	0.29	<0.041	<0.041	<0.40	<0.041	<0.043
Benzo(a)anthracene	**None**	0.4	0.052	0.32	<0.041	<0.041	<0.40	<0.041	<0.043
Benzo(a)pyrene	**0.2**	**0.21**	<0.04	**0.22**	<0.041	<0.041	<0.40	<0.041	<0.043
Benzo(b)fluoranthene	**0.2**	<0.17	0.16	0.19	<0.041	<0.041	<0.40	<0.041	<0.043
Benzo(g,h,i)perylene	**None**	<0.20	0.26	0.11	<0.041	<0.041	<0.40	<0.041	<0.043
Benzo(k)fluoranthene	**None**	<0.20	<0.04	0.082	<0.041	<0.041	<0.40	<0.041	<0.043
Chrysene	**0.2**	**0.38**	0.057	**0.36**	<0.041	<0.041	<0.40	<0.041	<0.043
Dibenz(a,h)anthracene	**None**	---	---	<0.041	<0.041	<0.041	<0.40	<0.041	<0.043
Dibenzofuran	**None**	---	<0.04	---	---	---	---	---	---
Fluoranthene	**400**	1.1	0.083	0.68	<0.041	<0.041	<0.40	<0.041	<0.043
Fluorene	**400**	0.71	<0.04	0.16	<0.041	<0.041	<0.40	<0.041	<0.043
Indeno(1,2,3-cd)pyrene	**None**	<0.20	<0.04	0.071	<0.041	<0.041	<0.40	<0.041	<0.043
Naphthalene	**100**	3.4	0.52	0.84	0.5	0.41	0.5	0.52	0.47
Phenanthrene	**None**	3.1	0.21	1.1	0.072	0.087	0.061	0.047	<0.043
Pyrene	**250**	1.5	0.1	0.99	<0.041	0.043	<0.40	<0.041	<0.043

Results are reported in micrograms per liter or parts per billion.

Shaded results indicate concentrations greater than the enforcement standards.

Only Detected compounds are listed on this table. See laboratory analytical reports for list of results.

a. The enforcement standard is 480 ug/L for the sum of all trimethylbenzene concentrations.

b. The enforcement standard is 10,000 ug/L for the total xylene concentrations.

Appendix A

Groundwater Sample Collection Forms

AECOM

Well/Piezo ID: **MW-4**

Ground Water Sample Collection Record

Client: Superior, Water, Light & Power
Project No: 60154982
Site Location: Superior, Wisconsin
Weather Conds: 35 degrees F, Overcast Collector(s) Dan Phelps

Date: 4/14/11
Time: Start: 0735
Finish: 0755

WATER LEVEL DATA: (measured from Top of Casing) Well ■ Piezometer ☐

a. Total Well Length 20.36
b. Water Table Depth 7.61
c. Casing Material _PVC___
d. Casing Diameter __2"___
e. Length of Water Column 12.75
f. Calculated Well Volume 2.08

WELL PURGING DATA

a. Purge Method Peristaltic pump and new tubing

b. Acceptance Criteria defined (from workplan)
- Maximum Allowable Turbidity 10 NTUs
- Stabilization of parameters 10 %

c. Field Testing Equipment Used:

Make	Model	Serial Number
YSI	556	04H14325
Hanna	HI 98703	063894X

d. Field Testing Equipment Calibration Documentation Found in the project file

Time	Volume Removed (gal)	T° (C)	pH	Spec. Cond (umhos)	Turbidity (NTUs)	DO	ORP	Color	Other
740	0.9	5.38	6.95	3,193	9.09	0.56	---	clear	
745	1.8	5.06	7.02	3,153	20.0	0.68	---	clear	
750	2.7	5.08	7.07	3,150	11.7	0.62	---	clear	
755	3.5	4.97	7.08	3,132	4.71	0.57	---	clear	
								clear	

e. Acceptance criteria pass/fail

	Yes	No	N/A
Has required volume been removed	☐	☐	■
Has required turbidity been reached	■	☐	☐
Have parameters stabilized	■	☐	☐

If no or N/A - Explain below.
No minimum purge volume established.

SAMPLE COLLECTION: Method: Peristaltic pump and new tubing

Sample ID	Container Type	No. of Containers	Preservation	Analysis	Time
MW-4	40 ml vial	3	HCL	VOC	800
MW-4	1 liter amber	2	None	PAH	800

Comments

Signature _____ _____ Date 4/14/2011

AECOM

Well/Piezo ID: **MW-6**

Ground Water Sample Collection Record

Client: Superior, Water, Light & Power
Project No: 60154982
Site Location: Superior, Wisconsin
Weather Conds: 60 dgerees F, clear Collector(s) Dan Phelps

Date: 4/13/11
Time: Start: 1517
Finish: 1542

WATER LEVEL DATA: (measured from Top of Casing) Well ■ Piezometer ☐

a. Total Well Length 20.33
b. Water Table Depth 9.78
c. Casing Material _PVC___
d. Casing Diameter __2"___
e. Length of Water Column 10.55
f. Calculated Well Volume 1.72

WELL PURGING DATA

a. Purge Method Peristaltic pump and dedicated tubing

b. Acceptance Criteria defined (from workplan)
- Maximum Allowable Turbidity 10 NTUs
- Stabilization of parameters 10 %

c. Field Testing Equipment Used:

Make	Model	Serial Number
YSI	556	04H14325
Hanna	HI 98703	063894X

d. Field Testing Equipment Calibration Documentation Found in the project file

Time	Volume Removed (gal)	T° (C)	pH	Spec. Cond (umhos)	Turbidity (NTUs)	DO	ORP	Color	Other
1522	0.7	5.11	12.60	2,652	3.68	5.62	-81.9	Clear	
1527	1.4	5.31	12.58	2,782	2.14	2.71	-78.3	Clear	
1532	2.1	5.34	12.70	2,978	0.77	1.61	-111.1	Clear	
1537	2.8	5.39	12.75	3,046	0.77	1.36	-126.4	Clear	
1542	3.5	5.47	12.75	3,080	0.97	1.24	-132.2	Clear	

e. Acceptance criteria pass/fail

	Yes	No	N/A
Has required volume been removed	☐	☐	■
Has required turbidity been reached	■	☐	☐
Have parameters stabilized	■	☐	☐

If no or N/A - Explain below.
No minimum purge volume established.

SAMPLE COLLECTION: Method: Peristaltic pump and new tubing

Sample ID	Container Type	No. of Containers	Preservation	Analysis	Time
MW-6	40 ml vial	3	HCL	VOC	1545
MW-6	1 liter amber	2	None	PAH	1545

Comments

Signature _____ _____ Date 4/13/2011

AECOM

Well/Piezo ID: **MW-7**

Ground Water Sample Collection Record

Client: Superior, Water, Light & Power
Project No: 60154982
Site Location: Superior, Wisconsin
Weather Conds: 60 dgerees F, clear Collector(s) Dan Phelps

Date: 4/13/11
Time: Start: 1425
Finish: 1440

WATER LEVEL DATA: (measured from Top of Casing) Well ■ Piezometer □

a. Total Well Length 20.3
b. Water Table Depth 11.96
c. Casing Material _PVC___
d. Casing Diameter __2"___
e. Length of Water Column 8.34
f. Calculated Well Volume 1.36

WELL PURGING DATA

a. Purge Method Peristaltic pump and dedicated tubing

b. Acceptance Criteria defined (from workplan)
- Maximum Allowable Turbidity 10 NTUs
- Stabilization of parameters 10 %

c. Field Testing Equipment Used:

Make	Model	Serial Number
YSI	556	04H14325
Hanna	HI 98703	063894X

d. Field Testing Equipment Calibration Documentation Found in the project file

Time	Volume Removed (gal)	T° (C)	pH	Spec. Cond (umhos)	Turbidity (NTUs)	DO	ORP	Color	Other
1430	1.0	8.42	6.84	1,301	39.0	1.07	-65.3	Grey	
1435	2.0	7.59	6.91	1,221	10.5	0.49	-64.9	Grey	
1440	3.0	7.35	6.97	1,253	10.0	0.49	-61.6	Grey	

e. Acceptance criteria pass/fail

	Yes	No	N/A
Has required volume been removed	□	□	■
Has required turbidity been reached	■	□	□
Have parameters stabilized	■	□	□

If no or N/A - Explain below.
No minimum purge volume established.

SAMPLE COLLECTION: Method: Peristaltic pump and new tubing

Sample ID	Container Type	No. of Containers	Preservation	Analysis	Time
MW-7	40 ml vial	3	HCL	VOC	1445
MW-7	1 liter amber	2	None	PAH	1445
DUP-1	40 ml vial	3	HCL	VOC	---
DUP-1	1 liter amber	2	None	PAH	---

Comments

Signature _____ _____ Date 4/13/2011

AECOM

Well/Piezo ID: **MW-8**

Ground Water Sample Collection Record

Client: Superior, Water, Light & Power
Project No: 60154982
Site Location: Superior, Wisconsin
Weather Conds: 30 degrees F, pt. cloudy Collector(s) Dan Phelps

Date: 4/14/11
Time: Start: 1300
Finish: 1320

WATER LEVEL DATA: (measured from Top of Casing) Well ■ Piezometer □

a. Total Well Length 19.95
b. Water Table Depth 11.95
c. Casing Material _PVC___
d. Casing Diameter __2"___
e. Length of Water Column 8.12
f. Calculated Well Volume 1.32

WELL PURGING DATA

a. Purge Method Peristaltic pump and dedicated tubing

b. Acceptance Criteria defined (from workplan)
- Maximum Allowable Turbidity 10 NTUs
- Stabilization of parameters 10 %

c. Field Testing Equipment Used:

Make	Model	Serial Number
YSI	556	04H14325
Hanna	HI 98703	063894X

d. Field Testing Equipment Calibration Documentation Found in the project file

Time	Volume Removed (gal)	T° (C)	pH	Spec. Cond (umhos)	Turbidity (NTUs)	DO	ORP	Color	Other
1305	0.8	5.11	12.61	3,209	24.90	3.70	-204.7	Lt. Tan	
1310	1.5	5.05	12.73	3,840	10.80	1.40	-182.4	Lt. Tan	
1315	2.3	5.09	12.79	4,161	8.22	0.92	-189.8	Clear	
1320	3.0	5.17	12.78	4,256	7.16	0.95	-188.5	Clear	

e. Acceptance criteria pass/fail

	Yes	No	N/A
Has required volume been removed	□	□	■
Has required turbidity been reached	■	□	□
Have parameters stabilized	■	□	□

If no or N/A - Explain below.
No minimum purge volume established.

SAMPLE COLLECTION: Method: Peristaltic pump and new tubing

Sample ID	Container Type	No. of Containers	Preservation	Analysis	Time
MW-8	40 ml vial	3	HCL	VOC	1325
MW-8	1 liter amber	2	None	PAH	1325

Comments

Signature _____ _____ Date 4/14/2011

AECOM

Well/Piezo ID: **MW-9**

Ground Water Sample Collection Record

Client: Superior, Water, Light & Power
Project No: 60154982
Site Location: Superior, Wisconsin
Weather Conds: 35 degrees F, pt. cloudy Collector(s) Dan Phelps

Date: 4/14/11
Time: Start: 1340
Finish: 1405

WATER LEVEL DATA: (measured from Top of Casing) Well ■ Piezometer □

a. Total Well Length 20.20
b. Water Table Depth 8.12
c. Casing Material _PVC___
d. Casing Diameter __2"___
e. Length of Water Column 12.08
f. Calculated Well Volume 1.97

WELL PURGING DATA

a. Purge Method Peristaltic pump and dedicated tubing

b. Acceptance Criteria defined (from workplan)
- Maximum Allowable Turbidity 10 NTUs
- Stabilization of parameters 10 %

c. Field Testing Equipment Used:

Make	Model	Serial Number
YSI	556	04H14325
Hanna	HI 98703	063894X

d. Field Testing Equipment Calibration Documentation Found in the project file

Time	Volume Removed (gal)	T° (C)	pH	Spec. Cond (umhos)	Turbidity (NTUs)	DO	ORP	Color	Other
1345	1.0	5.82	7.56	1,038	7.16	0.84	-130.6	clear	
1350	2.0	6.07	9.04	1,045	19.2	0.41	-311.3	clear	
1355	3.0	6.14	9.26	1,031	27.2	0.30	-344.8	clear	
1400	4.0	6.18	9.51	1,016	38.4	0.26	-374.0	clear	
1405	5.0	6.17	9.69	1,012	43.0	0.21	-361.8	clear	

e. Acceptance criteria pass/fail

	Yes	No	N/A
Has required volume been removed	□	□	■
Has required turbidity been reached	■	□	□
Have parameters stabilized	■	□	□

If no or N/A - Explain below.
No minimum purge volume established.

SAMPLE COLLECTION: Method: Peristaltic pump and new tubing

Sample ID	Container Type	No. of Containers	Preservation	Analysis	Time
MW-9	40 ml vial	3	HCL	VOC	1410
MW-9	1 liter amber	2	None	PAH	1410

Comments

Signature _____ _____ Date 4/14/2011

AECOM

Well/Piezo ID: **MW-10**

Ground Water Sample Collection Record

Client: Superior, Water, Light & Power
Project No: 60154982
Site Location: Superior, Wisconsin
Weather Conds: 30 degrees F, overcast Collector(s) Dan Phelps

Date: 4/14/11
Time: Start: 0920
Finish: 0940

WATER LEVEL DATA: (measured from Top of Casing) Well ■ Piezometer ☐

a. Total Well Length 11.55
b. Water Table Depth 3.5
c. Casing Material _PVC___
d. Casing Diameter __2"___
e. Length of Water Column 8.05
f. Calculated Well Volume 1.31

WELL PURGING DATA

a. Purge Method Peristaltic pump and dedicated tubing

b. Acceptance Criteria defined (from workplan)
- Maximum Allowable Turbidity 10 NTUs
- Stabilization of parameters 10 %

c. Field Testing Equipment Used:

Make	Model	Serial Number
YSI	556	04H14325
Hanna	HI 98703	063894X

d. Field Testing Equipment Calibration Documentation Found in the project file

Time	Volume Removed (gal)	T° (C)	pH	Spec. Cond (umhos)	Turbidity (NTUs)	DO	ORP	Color	Other
925	0.9	4.70	7.55	1014	76.7	1.24	-61.4	Grey	
930	1.8	4.52	9.83	1028	35.7	0.78	-177.5	Grey	
935	2.7	4.53	9.87	1037	21.4	0.61	-191.0	Grey	
940	3.5	4.57	9.92	1050	14.0	0.59	-192.9	Grey	

e. Acceptance criteria pass/fail

	Yes	No	N/A
Has required volume been removed	☐	☐	■
Has required turbidity been reached	☐	■	☐
Have parameters stabilized	■	☐	☐

If no or N/A - Explain below.
No minimum purge volume established.

SAMPLE COLLECTION: Method: Peristaltic pump and new tubing

Sample ID	Container Type	No. of Containers	Preservation	Analysis	Time
MW-10	40 ml vial	3	HCL	VOC	945
MW-10	1 liter amber	2	None	PAH	945

Comments

Signature _____ _____ Date 4/14/2011

AECOM

Well/Piezo ID: **MW-11**

Ground Water Sample Collection Record

Client: Superior, Water, Light & Power
Project No: 60154982
Site Location: Superior, Wisconsin
Weather Conds: 30 degrees F, overcast Collector(s) Dan Phelps

Date: 4/14/11
Time: Start: 0825
Finish: 0855

WATER LEVEL DATA: (measured from Top of Casing) Well ■ Piezometer ☐

a. Total Well Length 14.10
b. Water Table Depth 8.44
c. Casing Material _PVC___
d. Casing Diameter __2"___
e. Length of Water Column 5.66
f. Calculated Well Volume 0.92

WELL PURGING DATA

a. Purge Method Peristaltic pump and dedicated tubing

b. Acceptance Criteria defined (from workplan)
- Maximum Allowable Turbidity 10 NTUs
- Stabilization of parameters 10 %

c. Field Testing Equipment Used:

Make	Model	Serial Number
YSI	556	04H14325
Hanna	HI 98703	063894X

d. Field Testing Equipment Calibration Documentation Found in the project file

Time	Volume Removed (gal)	T° (C)	pH	Spec. Cond (umhos)	Turbidity (NTUs)	DO	ORP	Color	Other
830	0.8	4.67	6.50	788	86.7	1.68	-21.8	Lt. Tan	
835	1.5	4.90	6.49	814	119.0	0.74	-30.2	Lt. Tan	
840	2.3	5.00	6.55	845	162.0	0.86	-36.7	Lt. Tan	
845	3.0	5.02	6.56	856	144.0	0.70	-38.3	Lt. Tan	
850	2.8	5.06	6.56	861	60.2	0.61	-37.5	Lt. Tan	
855	4.5	5.06	6.57	862	135.0	0.61	-38.0	Lt. Tan	

e. Acceptance criteria pass/fail

	Yes	No	N/A
Has required volume been removed	☐	☐	■
Has required turbidity been reached	☐	■	☐
Have parameters stabilized	■	☐	☐

If no or N/A - Explain below.
No minimum purge volume established.

SAMPLE COLLECTION: Method: Peristaltic pump and new tubing

Sample ID	Container Type	No. of Containers	Preservation	Analysis	Time
MW-11	40 ml vial	3	HCL	VOC	900
MW-11	1 liter amber	2	None	PAH	900

Comments

Signature _____ _____ Date 4/14/2011

AECOM

Well/Piezo ID: **MW-15**

Ground Water Sample Collection Record

Client: Superior, Water, Light & Power
Project No: 60154982
Site Location: Superior, Wisconsin
Weather Conds: 30 degrees F, overcast Collector(s) Dan Phelps

Date: 4/14/11
Time: Start: 1100
Finish: 1120

WATER LEVEL DATA: (measured from Top of Casing) Well ■ Piezometer ☐

a. Total Well Length 17.44
b. Water Table Depth 6.90
c. Casing Material _PVC___
d. Casing Diameter __2"___
e. Length of Water Column 10.54
f. Calculated Well Volume 1.72

WELL PURGING DATA

a. Purge Method Peristaltic pump and dedicated tubing

b. Acceptance Criteria defined (from workplan)
- Maximum Allowable Turbidity 10 NTUs
- Stabilization of parameters 10 %

c. Field Testing Equipment Used:

Make	Model	Serial Number
YSI	556	04H14325
Hanna	HI 98703	063894X

d. Field Testing Equipment Calibration Documentation Found in the project file

Time	Volume Removed (gal)	T° (C)	pH	Spec. Cond (umhos)	Turbidity (NTUs)	DO	ORP	Color	Other
1105	0.9	6.49	6.75	1,723	11.1	1.05	-74.0	Clear	
1110	1.8	6.38	6.72	2,148	11.2	0.74	-75.3	Clear	
1115	2.7	6.29	6.72	2,338	4.14	0.38	-84.4	Clear	
1120	3.5	6.22	6.71	2,411	4.65	0.32	-89.5	Clear	

e. Acceptance criteria pass/fail

	Yes	No	N/A
Has required volume been removed	☐	☐	■
Has required turbidity been reached	■	☐	☐
Have parameters stabilized	■	☐	☐

If no or N/A - Explain below.
No minimum purge volume established.

SAMPLE COLLECTION: Method: Peristaltic pump and new tubing

Sample ID	Container Type	No. of Containers	Preservation	Analysis	Time
MW-15	40 ml vial	3	HCL	VOC	1125
MW-15	1 liter amber	2	None	PAH	1125

Comments

Signature _____ _____ Date 4/14/2011

AECOM

Well/Piezo ID: **MW-20**

Ground Water Sample Collection Record

Client: Superior, Water, Light & Power
Project No: 60154982
Site Location: Superior, Wisconsin
Weather Conds: 30 degrees F, overcast Collector(s) Dan Phelps

Date: 4/14/11
Time: Start: 1010
Finish: 1035

WATER LEVEL DATA: (measured from Top of Casing) Well ■ Piezometer ☐

a. Total Well Length 15.00
b. Water Table Depth 6.90
c. Casing Material _PVC___
d. Casing Diameter __2"___
e. Length of Water Column 8.1
f. Calculated Well Volume 1.32

WELL PURGING DATA

a. Purge Method Peristaltic pump and dedicated tubing

b. Acceptance Criteria defined (from workplan)
- Maximum Allowable Turbidity 10 NTUs
- Stabilization of parameters 10 %

c. Field Testing Equipment Used:

Make	Model	Serial Number
YSI	556	04H14325
Hanna	HI 98703	063894X

d. Field Testing Equipment Calibration Documentation Found in the project file

Time	Volume Removed (gal)	T° (C)	pH	Spec. Cond (umhos)	Turbidity (NTUs)	DO	ORP	Color	Other
1015	0.9	3.87	7.09	945	49.1	1.38	-126.9	Lt. Tan	
1020	1.8	3.69	7.01	933	47.1	0.85	-123.9	Lt. Tan	
1025	2.7	3.7	6.97	927	23.5	0.60	-121.0	Lt. Tan	
1030	3.6	3.73	6.95	924	15.6	0.48	-120.7	Lt. Tan	
1035	4.5	3.74	6.94	925	10.5	0.54	-116.7	Lt. Tan	

e. Acceptance criteria pass/fail

	Yes	No	N/A
Has required volume been removed	☐	☐	■
Has required turbidity been reached	■	☐	☐
Have parameters stabilized	■	☐	☐

If no or N/A - Explain below.
No minimum purge volume established.

SAMPLE COLLECTION: Method: Peristaltic pump and new tubing

Sample ID	Container Type	No. of Containers	Preservation	Analysis	Time
MW-20	40 ml vial	3	HCL	VOC	1040
MW-20	1 liter amber	2	None	PAH	1040

Comments

Signature _____ _____ Date 4/14/2011

AECOM

Well/Piezo ID: **MW-22**

Ground Water Sample Collection Record

Client: Superior, Water, Light & Power
Project No: 60154982
Site Location: Superior, Wisconsin
Weather Conds: 35 degrees F, pt. cloudy Collector(s) Dan Phelps

Date: 4/14/11
Time: Start: 1425
Finish1440

WATER LEVEL DATA: (measured from Top of Casing) Well ■ Piezometer ☐

a. Total Well Length 17.71
b. Water Table Depth 6.14
c. Casing Material _PVC___
d. Casing Diameter __2"___
e. Length of Water Column 11.57
f. Calculated Well Volume 1.89

WELL PURGING DATA

a. Purge Method Peristaltic pump and dedicated tubing

b. Acceptance Criteria defined (from workplan)
- Maximum Allowable Turbidity 10 NTUs
- Stabilization of parameters 10 %

c. Field Testing Equipment Used:

Make	Model	Serial Number
YSI	556	04H14325
Hanna	HI 98703	063894X

d. Field Testing Equipment Calibration Documentation Found in the project file

Time	Volume Removed (gal)	T° (C)	pH	Spec. Cond (umhos)	Turbidity (NTUs)	DO	ORP	Color	Other
1430	0.8	3.48	4.33	7,374	2.09	4.31	-173.3	Clear	
1435	1.6	3.48	13.00	7,430	1.29	3.94	-166.4	Clear	
1440	2.5	3.46	13.02	7,432	0.99	4.08	-162.7	Clear	

e. Acceptance criteria pass/fail

	Yes	No	N/A
Has required volume been removed	☐	☐	■
Has required turbidity been reached	■	☐	☐
Have parameters stabilized	■	☐	☐

If no or N/A - Explain below.
No minimum purge volume established.

SAMPLE COLLECTION: Method: Peristaltic pump and new tubing

Sample ID	Container Type	No. of Containers	Preservation	Analysis	Time
MW-22	40 ml vial	3	HCL	VOC	1445
MW-22	1 liter amber	2	None	PAH	1445

Comments

Signature _____ _____ Date 4/14/2011

SUMMIT ENVIROSOLUTIONS, INC.

LOW FLOW GROUNDWATER SAMPLING INFORMATION

next to Peterson

Sample Point: MW-1

Client: Superior, Water, Light & Power Summit Project No.: 2118-0001

Project Location: Superior, WI Samples Collected By: BMG/PRB

Date: 11/3/11 Start Time: 1130 Finish Time: _____ Weather Conditions: Sunny 40s

Sample Point Type: Well/Piezometer/Other_____ Casing Type:_____

Depth To Water (From TOC):_____ Well Depth (From TOC):_____ Casing Diameter _____

Purging Method: Peristaltic pump and disposable tubing

Field Testing Equipment Used: Hor:69

Calibration data can be found in the project file.

Stabilization Data

NL

flow 100 ml/min.

Time	Volume Removed (gal)	Temp. (deg C)	PH	Spec. Cond (umhos)	Turbidity (NTUs)	DO	ORP	Color	Ordor
8.90 11:54		9.26	7.42	2.54	0.6	2.15	86	clear	none
9.20 12:00		10.01	7.35	2.51	0.1	0.13	44	"	"
9.33 12:05		10.35	7.37	2.48	0.0	0.13	53		
9.9 12:15									
Stabalization Limits:									

Stabilization Notes:_____

Sample Collection

Sample Collection Method: Peristaltic pump and disposable tubing

Sample ID	Container Type	No. of Containers	Preservation	Analysis	Time
MW-1	3 VOA	3	Cool	VOA	1145
	2 1L amber	2	"	PAH	1145

☐ Duplicate collected Duplicate ID #:_____

Comments Time on label = 1145 actual time 12:06 to 12:

Signature: _____ Date: 11/3/11

SUMMIT ENVIROSOLUTIONS, INC.

LOW FLOW GROUNDWATER SAMPLING INFORMATION

Sample Point: MW-2

Client: Superior, Water, Light & Power Summit Project No.: 2118-0001

Project Location: Superior, WI Samples Collected By: BMG/PRB

Date: 11-3-11 Start Time: 1380 Finish Time: _____ Weather Conditions: 50° sunny, nice!

Sample Point Type: (Well)/Piezometer/Other _____ Casing Type: 2" PVC

Depth To Water (From TOC): 6.74 Well Depth (From TOC): 20' Casing Diameter 2"

Purging Method: Peristaltic pump and disposable tubing

Field Testing Equipment Used: _____

Calibration data can be found in the project file.

WL X

Stabilization Data

Time	Volume Removed (gal)	Temp. (deg C)	PH	Spec. Cond (umhos)	Turbidity (NTUs)	DO	ORP	Color	Ordor
7.12 1:35									
7.8 1:40 1:43		12.9	7.48	1.85	0.0	4.3	101	clear	none
8.5 1:47 1:48		12.88	7.43	1.84	0.0	0.06	102	"	"
9.31 1:52 1:53		12.98	7.40	1.83	0.0	0.00	101	"	"
10.83 2:13									
Stabalization Limits:									

Stabilization Notes: _____

Sample Collection

Sample Collection Method: Peristaltic pump and disposable tubing

Sample ID	Container Type	No. of Containers	Preservation	Analysis	Time

☐ Duplicate collected Duplicate ID #: _____

Comments _____

Signature: _____ Date: _____

SUMMIT ENVIROSOLUTIONS, INC.

LOW FLOW GROUNDWATER SAMPLING INFORMATION

Sample Point: MW-3

Client: Superior, Water, Light & Power Summit Project No.: _____
Project Location: Superior, WI Samples Collected By: BMG/PRB
Date: 11-3-11 Start Time: 1515 Finish Time: _____ Weather Conditions: _____

Sample Point Type: Well/Piezometer/Other _____ Casing Type: _____
Depth To Water (From TOC): _____ Well Depth (From TOC): _____ Casing Diameter _____

Purging Method: Peristaltic pump and disposable tubing
Field Testing Equipment Used: _____
Calibration data can be found in the project file.

Stabilization Data

WL

Time	Volume Removed (gal)	Temp. (deg C)	PH	Spec. Cond (umhos)	Turbidity (NTUs)	DO	ORP	Color	Ordor
10.05 1554									Yes
1600		13.86	7.71	1.50	11.1	1.16	-81	slight brown	✓
10.38 16:02									
11.04 16:13		12.58	7.27	1.55	8.0	0.00	-91	slight	
16:18		12.34	7.26	1.53	7.2	0.05	-88		
Stabalization Limits:									

Flow
90
120
120

Stabilization Notes: _____

Sample Collection

Sample Collection Method: Peristaltic pump and disposable tubing

Sample ID	Container Type	No. of Containers	Preservation	Analysis	Time
MW-3	VOA	3		VOC	1630
"	1L	2		PAH	"

☐ Duplicate collected Duplicate ID #: _____

Comments _____

Signature: _____ Date: _____

SUMMIT ENVIROSOLUTIONS, INC.

LOW FLOW GROUNDWATER SAMPLING INFORMATION

Sample Point: MW-5

Client: Superior, Water, Light & Power Summit Project No.: 2118-0001

Project Location: Superior, WI Samples Collected By: BMG/PRB

Date: 11-3-11 Start Time: 2:25 Finish Time: ~~3:00~~ Weather Conditions: _____

Sample Point Type: Well/Piezometer/Other _____ Casing Type: _____

Depth To Water (From TOC): _____ Well Depth (From TOC): _____ Casing Diameter _____

Purging Method: Peristaltic pump and disposable tubing

Field Testing Equipment Used: _____

Calibration data can be found in the project file.

Stabilization Data

Time	Volume Removed (gal)	Temp. (deg C)	PH	Spec. Cond (umhos)	Turbidity (NTUs)	DO	ORP	Color	Ordor
(0.05 1504									170 ml/min
1507		14.24	9.29	1.09	0.0	0.83	-155		
1521		13.45	8.32	1.13	0.0	0.00	-167		
(0.15 1534		13.50	8.00	1.13	0.0	0.00	-168		
Stabalization Limits:									

Stabilization Notes: _____

Sample Collection

Sample Collection Method: Peristaltic pump and disposable tubing

Sample ID	Container Type	No. of Containers	Preservation	Analysis	Time

☐ Duplicate collected Duplicate ID #: _____

Comments _____

_____

Signature: _____ Date: _____

SUMMIT ENVIROSOLUTIONS, INC.

LOW FLOW GROUNDWATER SAMPLING INFORMATION

Sample Point: MW-6

Client: Superior, Water, Light & Power Summit Project No.: 2118-0001

Project Location: Superior, WI Samples Collected By: BMG/PRB

Date: 11-3-11 Start Time: 1:15 Finish Time: _____ Weather Conditions: nice

Sample Point Type: Well/Piezometer/Other_____ Casing Type:_____

Depth To Water (From TOC):_____ Well Depth (From TOC):_____ Casing Diameter _____

Purging Method: Peristaltic pump and disposable tubing

Field Testing Equipment Used: _____

Calibration data can be found in the project file.

Stabilization Data

pump flow rate 200 ml/min 190 ml/min

Time	Volume Removed (gal)	Temp. (deg C)	PH	Spec. Cond (umhos)	Turbidity (NTUs)	DO	ORP	Color	Ordor
1:15	started pump								
11:55 2:22									
2:28		13.5	12.62	4.47	0.0	0.86	-260	clear	none
2:33		13.31	12.68	4.60	0.0	0.00	-279		
2:38		13.22	12.69	4.62	0.0	0.0	-296		
Stabalization Limits:									

Stabilization Notes:_____

Sample Collection

Sample Collection Method: Peristaltic pump and disposable tubing

Sample ID	Container Type	No. of Containers	Preservation	Analysis	Time
MW-6	VOA	3	Cool	VOC	1435
MW-6	1 L	2	"	PAH	

☐ Duplicate collected Duplicate ID #:_____

Comments _____

_____

Signature: _____ Date: _____

SUMMIT ENVIROSOLUTIONS, INC.

LOW FLOW GROUNDWATER SAMPLING INFORMATION

Sample Point: MW-7

Client: Superior, Water, Light & Power Summit Project No.: 2118-0001

Project Location: Superior, WI Samples Collected By: BMG/PRB

Date: 11/4/11 Start Time: 11:15 Finish Time: ______ Weather Conditions: Sunny 45°F

Sample Point Type: Well/Piezometer/Other____________ Casing Type:____________

Depth To Water (From TOC):________ Well Depth (From TOC):________ Casing Diameter __________

Purging Method: Peristaltic pump and disposable tubing

Field Testing Equipment Used: Horiba

Calibration data can be found in the project file.

Stabilization Data

Time	Volume Removed (gal)	Temp. (deg C)	PH	Spec. Cond (umhos)	Turbidity (NTUs)	DO	ORP	Color	Ordor	mL/min
11:15										~160
11:34		9.54	7.29	1.37	3.7	0.12	-136	Clr	(PER 11/4/11) ~~40~~ Yes	"
11:39		9.75	7.35	1.35	3.0	0.00	-152	"	Yes	"
11:44		9.91	7.37	1.29	2.4	0.00	-165	"	"	"
11:49		10.04	7.38	1.25	2.1	0.00	-178	"	"	"
Stabalization Limits:										

Stabilization Notes:______________________________

Sample Collection

Sample Collection Method: Peristaltic pump and disposable tubing

Sample ID	Container Type	No. of Containers	Preservation	Analysis	Time
MW-7					11:50
					11:50

☐ Duplicate collected Duplicate ID #:______________________

Comments ______________________________

Signature: ______________________________ Date: ____________

SUMMIT ENVIROSOLUTIONS, INC.

LOW FLOW GROUNDWATER SAMPLING INFORMATION

Sample Point: MW-8

Client: Superior, Water, Light & Power Summit Project No.:

Project Location: Superior, WI Samples Collected By: BMG/PRB

Date: 11/4/11 Start Time: 12:15 Finish Time: Weather Conditions:

Sample Point Type: Well/Piezometer/Other Casing Type:

Depth To Water (From TOC): Well Depth (From TOC): Casing Diameter

Purging Method: Peristaltic pump and disposable tubing

Field Testing Equipment Used:

Calibration data can be found in the project file.

Stabilization Data

Time	Volume Removed (gal)	Temp. (deg C)	PH	Spec. Cond (mS/cm) (umhos)	Turbidity (NTUs)	DO	ORP	Color	Ordor
12:27		11.69	12.67	4.51	31	0.30	-356	Light Brn	Yes-Strong
12:32		11.41	12.83	4.62	24.8	0.00	-356	"	" "
1237		11.24	12.86	4.65	21.7	0.00	-348	"	"
1247		11.18	12.87	4.83	14.5	0.00	-352	"	"
1257		11.06	12.93	5.15	9.5	0.00	-355	"	"
Stabalization Limits:									

ml/min ~125 "

Stabilization Notes:

Sample Collection

Sample Collection Method: Peristaltic pump and disposable tubing

Sample ID	Container Type	No. of Containers	Preservation	Analysis	Time
MW-8	VOA	3	HCl	VOC	1300
MW-8	1L Amber	2	None	PAH	1300

☐ Duplicate collected Duplicate ID #:

Comments

Signature: Date:

SUMMIT ENVIROSOLUTIONS, INC.

LOW FLOW GROUNDWATER SAMPLING INFORMATION

Sample Point: MW-9

Client: Superior, Water, Light & Power Summit Project No.: 2118-0001
Project Location: Superior, WI Samples Collected By: BMG/PRB
Date: 11/4/11 Start Time: 12:55 Finish Time: _____ Weather Conditions: Sunny ~45°F

Sample Point Type: Well/Piezometer/Other_____ Casing Type:_____
Depth To Water (From TOC):_____ Well Depth (From TOC):_____ Casing Diameter _____

Purging Method: Peristaltic pump and disposable tubing
Field Testing Equipment Used: Horiba
Calibration data can be found in the project file.

Stabilization Data

Time	Volume Removed (gal)	Temp. (deg C)	PH	Spec. Cond (umhos)	Turbidity (NTUs)	DO	ORP	Color	Ordor	
12:55								Sheen w/ Black Particulates	Yes/Strong	~170
13:07		11.64	9.11	1.35	3.4	0.00	-185	+Lt Brn "	"	"
13:12		11.88	8.46	1.37	3.3	0.00	-209	"	"	"
13:17		12.08	8.16	1.37	3.3	0.00	-232	"	"	"
Stabalization Limits:										

Stabilization Notes:_____

Sample Collection

Sample Collection Method: Peristaltic pump and disposable tubing

Sample ID	Container Type	No. of Containers	Preservation	Analysis	Time
					13:25

☐ Duplicate collected Duplicate ID #:_____

Comments _____

Signature: _____ Date: _____

SUMMIT ENVIROSOLUTIONS, INC.

LOW FLOW GROUNDWATER SAMPLING INFORMATION

Sample Point: MW-10

Client: Superior, Water, Light & Power Summit Project No.: 2118 0001

Project Location: Superior, WI Samples Collected By: BMG/PRB

Date: 11-4-11 Start Time: 0852 Finish Time: _____ Weather Conditions: ~23° clear

Sample Point Type: Well/Piezometer/Other_____ Casing Type:_____

Depth To Water (From TOC):_____ Well Depth (From TOC):_____ Casing Diameter _____

Purging Method: Peristaltic pump and disposable tubing (BP)

Field Testing Equipment Used: _____

Calibration data can be found in the project file.

higher flow (~300-350) between 0852-0907. Black particulates in water

Stabilization Data

Time	Volume Removed (gal)	Temp. (deg C)	PH	Spec. Cond (umhos)	Turbidity (NTUs)	DO	ORP	Color	Ordor
9:07								BP	slight
9:11		6.76	9.31	1.11	9.7	8.00	-127	"	"
9:16		7.48	8.05	1.13	8.6	0.50	-124	"	Strong
9:21		7.74	7.67	1.23	15.2	0.00	-167	"	"
9:26		8.04	7.95	1.27	16.8	0.00	-223	*	"
9:31	9.16	8.27	8.24	1.29	16.7	0.00	-269		
9:36		8.25	8.10	1.30	16.7	0.00	-291		
Stabalization Limits: 941		9.00	9.00	1.30	15.7	0.00	-311		
946		8.34	9.14	1.27	16.3	0.00	*-329	fine black particulate	
951		8.54	9.12	1.29	15.2	0.00	light brown color cruster, NTU		
956		8.69	9.27	1.29	14.7	0.0	-352	sampled @ 1000	

Stabilization Notes:

Sample Collection

Sample Collection Method: Peristaltic pump and disposable tubing

Sample ID	Container Type	No. of Containers	Preservation	Analysis	Time
MW-10	VOA	3	cool	VOC	
"	1L	2	"	PAH	

☐ Duplicate collected Duplicate ID #: _____

Comments _____

Signature: _____ Date: _____

SUMMIT ENVIROSOLUTIONS, INC.

LOW FLOW GROUNDWATER SAMPLING INFORMATION

Sample Point: MW-11

Client: Superior, Water, Light & Power Summit Project No.: 2118-0001

Project Location: Superior, WI Samples Collected By: BMG/PRB

Date: 11-4-11 Start Time: 0745 Finish Time: _____ Weather Conditions: _____

Sample Point Type: Well/Piezometer/Other _____ Casing Type: _____

Depth To Water (From TOC): _____ Well Depth (From TOC): _____ Casing Diameter _____

Purging Method: Peristaltic pump and disposable tubing

Field Testing Equipment Used: _____

Calibration data can be found in the project file.

Stabilization Data

Time	Volume Removed (gal)	Temp. (deg C)	PH	Spec. Cond (umhos)	Turbidity (NTUs)	DO	ORP	Color	Ordor
8:06		9.26	7.45	1.74	1.5	↓4.5	-74	clear	no
0811		9.26	6.98	1.73	0.8	0.00	-87	✓	✓
0816		9.15	6.86	1.71	1.1	0.00	-90	✓	✓
0821		9.06	6.81	1.70	1.3	0.00	-90	✓	—
Stabalization Limits:									

200

Stabilization Notes: _____

Sample Collection

Sample Collection Method: Peristaltic pump and disposable tubing

Sample ID	Container Type	No. of Containers	Preservation	Analysis	Time

☐ Duplicate collected Duplicate ID #: _____

Comments _____

_____

Signature: _____ Date: _____

SUMMIT ENVIROSOLUTIONS, INC.

LOW FLOW GROUNDWATER SAMPLING INFORMATION

Sample Point: MW-13

Client: Superior, Water, Light & Power Summit Project No.: Z118-001
Project Location: Superior, WI Samples Collected By: BMG/PRB
Date: 11-3-11 Start Time: 1610 Finish Time: _____ Weather Conditions: _____

Sample Point Type: Well/Piezometer/Other _____ Casing Type: _____
Depth To Water (From TOC): _____ Well Depth (From TOC): _____ Casing Diameter _____

Purging Method: Peristaltic pump and disposable tubing
Field Testing Equipment Used: _____
Calibration data can be found in the project file.

Stabilization Data

DTW	Time	Volume Removed (gal)	Temp. (deg C)	PH	Spec. Cond (umhos)	Turbidity (NTUs)	DO	ORP	Color	Ordor	Flow
16.10											80 ml/min
7.9	16:32										105 ml/min
7.9	16:37		11.60	7.33	3.42	0.0	0.50	-17	Clear	No odor	"
	16:42		11.20	7.22	3.45	0.1	0.00	-20	"	"	"
7.95	16:47		10.96	7.17	3.45	0.4	0.00	-19	"	"	
	16:52		10.73	7.11	3.43	0.7	0.00	-15			
	Stabalization Limits:										

Stabilization Notes: _____

Sample Collection

Sample Collection Method: Peristaltic pump and disposable tubing

Sample ID	Container Type	No. of Containers	Preservation	Analysis	Time

☐ Duplicate collected Duplicate ID #: _____

Comments _____

Signature: _____ Date: _____

SUMMIT ENVIROSOLUTIONS, INC.

LOW FLOW GROUNDWATER SAMPLING INFORMATION

Sample Point: MW-14

Client: Superior, Water, Light & Power Summit Project No.: 2118-0001

Project Location: Superior, WI Samples Collected By: BMG/PRB

Date: 11-3-11 Start Time: 16:46 Finish Time: 1730 Weather Conditions: _____

Sample Point Type: Well/Piezometer/Other _____ Casing Type: _____

Depth To Water (From TOC): _____ Well Depth (From TOC): _____ Casing Diameter _____

Purging Method: Peristaltic pump and disposable tubing

Field Testing Equipment Used: _____

Calibration data can be found in the project file.

pump on at 1646 · flow at 450 then 350 then 250 @ 1700 flow = 200 ml/min WL = 11.60

Stabilization Data

WL

Time	Volume Removed (gal)	Temp. (deg C)	PH	Spec. Cond (umhos)	Turbidity (NTUs)	DO	ORP	Color	Ordor
12.1 17:05		11.69	7.15	3.22	1.1	0.00	9	clear	no
12.45 17:10		11.75	7.11	3.32	0.4	0.00	7	✓	✓
12.8 17:15		11.76	7.11	3.42	1.0	0.00	7	✓	✓
13.3 17.22									
Stabalization Limits:									

200 ml/min.

Stabilization Notes: _____

Sample Collection

Sample Collection Method: Peristaltic pump and disposable tubing

Sample ID	Container Type	No. of Containers	Preservation	Analysis	Time
MW-14	1L	2		PAH	1720
"	VOA	3		VOC	"

☐ Duplicate collected Duplicate ID #: _____

Comments _____

Signature: _____ Date: _____

SUMMIT ENVIROSOLUTIONS, INC.

LOW FLOW GROUNDWATER SAMPLING INFORMATION

Sample Point: MW-15

Client: Superior, Water, Light & Power Summit Project No.: _____
Project Location: Superior, WI Samples Collected By: BMG/PRB
Date: 11-4-11 Start Time: 10:35 Finish Time: _____ Weather Conditions: _____

Sample Point Type: Well/Piezometer/Other _____ Casing Type: _____
Depth To Water (From TOC): _____ Well Depth (From TOC): _____ Casing Diameter _____

Purging Method: Peristaltic pump and disposable tubing
Field Testing Equipment Used: _____
Calibration data can be found in the project file.

1044 flow 185 ml/min

Stabilization Data

Time	Volume Removed (gal)	Temp. (deg C)	PH	Spec. Cond (umhos)	Turbidity (NTUs)	DO	ORP	Color	Ordor
1052		9,41	7,07	1,33	0,7	0,00	-102	clear	Yes
1056		10,06	6,94	1,35	1,7	0,00	-111	✓	✓
1101		10,35	6,91	1,37	1,3	0,00	-117	✓	✓
1106		10,51	6,91	1,38	1,4	0,00	-121	✓	✓
Stabalization Limits:									

Stabilization Notes: _____

Sample Collection

Sample Collection Method: Peristaltic pump and disposable tubing

Sample ID	Container Type	No. of Containers	Preservation	Analysis	Time

☐ Duplicate collected Duplicate ID #: _____

Comments _____

Signature: _____ Date: _____

SUMMIT ENVIROSOLUTIONS, INC.

LOW FLOW GROUNDWATER SAMPLING INFORMATION

Sample Point: MW-20

Client: Superior, Water, Light & Power Summit Project No.: 2118-0001
Project Location: Superior, WI Samples Collected By: BMG/PRB
Date: 11/4/11 Start Time: 9:50 Finish Time: _____ Weather Conditions: Sunny 45°F

Sample Point Type: Well/Piezometer/Other_____ Casing Type:_____
Depth To Water (From TOC):_____ Well Depth (From TOC):_____ Casing Diameter _____

Purging Method: Peristaltic pump and disposable tubing
Field Testing Equipment Used: Horiba
Calibration data can be found in the project file.

Stabilization Data

Time	Volume Removed (gal)	Temp. (deg C)	PH	Spec. Cond (umhos)	Turbidity (NTUs)	DO	ORP	Color	Ordor	mL/min
9:50										~170
10:09		8.79	8.08	1.27	13.0	0.00	-157	Lt Brn	Yes	~170
10:14		9.36	7.47	1.27 x	9.6	0.00 x	-150 x	"	"	"
10:19		9.64	7.22	1.27 x	9.0	0.00 x	-145 x	"	"	"
10:24		9.72	7.09	1.27 x	8.2	0.00 x	-143 x	"	"	"
10:29		9.80	7.01 x	1.27 x	6.2	0.00 x	-141 x	"	"	"
10:34		9.87	6.96	1.27	4.9	0.00	-140	"	"	"
Stabalization Limits:				~~+-3%~~ (MPB 11/4/11)						
10:37		9.94	6.93	1.27	4.4	0.00	-140	"	"	"

Stabilization Notes:_____

Sample Collection

Sample Collection Method: Peristaltic pump and disposable tubing

Sample ID	Container Type	No. of Containers	Preservation	Analysis	Time
MW-20	VOA	3	HCL	VOA	10:40
"	1L Amber	2	NA	PAH	10:40

☐ Duplicate collected Duplicate ID #:_____

Comments _____

Signature: _____ Date: 11/4/11

SUMMIT ENVIROSOLUTIONS, INC.

LOW FLOW GROUNDWATER SAMPLING INFORMATION

Sample Point: MW-22

Client: Superior, Water, Light & Power Summit Project No.: 2118-0001
Project Location: Superior, WI Samples Collected By: BMG/PRB
Date: 11-4-11 Start Time: 8:25 Finish Time: _____ Weather Conditions: _____

Sample Point Type: Well/Piezometer/Other _____ Casing Type: _____
Depth To Water (From TOC): _____ Well Depth (From TOC): _____ Casing Diameter _____

Purging Method: Peristaltic pump and disposable tubing
Field Testing Equipment Used: _____
Calibration data can be found in the project file.

Stabilization Data

Time	Volume Removed (gal)	Temp. (deg C)	PH	Spec. Cond (umhos)	Turbidity (NTUs)	DO	ORP	Color	Ordor	ml/min
8:25										180
8:44		6.09	13.16	10.8	0.0	0.85	-333	clear	No odor	"
8:49		6.04	13.35	11.0	0.0	0.12	-268	"	"	"
8:54		6.02	13.39	11.1	0.0	0.03 ~~0.03~~ (MW)	-234	"	"	"
8:59		5.97	13.40	11.1	0.0	0.00	-221	"	"	"
Stabalization Limits:										

Stabilization Notes: _____

Sample Collection

Sample Collection Method: Peristaltic pump and disposable tubing

Sample ID	Container Type	No. of Containers	Preservation	Analysis	Time
MW-22	VOA	3	HCl	VOA	9:00
"	1L Amber	2	None	PAH	9:00

☐ Duplicate collected Duplicate ID #: _____

Comments _____

Signature: _____ Date: 11/4/11

Appendix B

Laboratory Analytical Report

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

April 22, 2011

Bill Gregg
AECOM
First National Bank Building
332 Minnesota St, Suite E1000
Saint Paul, MN 55101

RE: Project: Superior,Water,Light & Power
Pace Project No.: 10154577

Dear Bill Gregg:
Enclosed are the analytical results for sample(s) received by the laboratory on April 15, 2011. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

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

Sincerely,

Carol Davy

carol.davy@pacelabs.com
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

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

CERTIFICATIONS

Project: Superior,Water,Light & Power
Pace Project No.: 10154577

Minnesota Certification IDs

1700 Elm Street SE Suite 200, Minneapolis, MN 55414
A2LA Certification #: 2926.01
Alaska Certification #: UST-078
Alaska Certification #MN00064
Arizona Certification #: AZ-0014
Arkansas Certification #: 88-0680
California Certification #: 01155CA
EPA Region 8 Certification #: Pace
Florida/NELAP Certification #: E87605
Georgia Certification #: 959
Idaho Certification #: MN00064
Illinois Certification #: 200011
Iowa Certification #: 368
Kansas Certification #: E-10167
Louisiana Certification #: 03086
Louisiana Certification #: LA080009
Maine Certification #: 2007029
Maryland Certification #: 322
Michigan DEQ Certification #: 9909
Minnesota Certification #: 027-053-137
Mississippi Certification #: Pace
Montana Certification #: MT CERT0092
Nevada Certification #: MN_00064
Nebraska Certification #: Pace
New Jersey Certification #: MN-002
New Mexico Certification #: Pace
New York Certification #: 11647
North Carolina Certification #: 530
North Dakota Certification #: R-036
North Dakota Certification #: R-036A
Ohio VAP Certification #: CL101
Oklahoma Certification #: D9921
Oklahoma Certification #: 9507
Oregon Certification #: MN200001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification
Tennessee Certification #: 02818
Texas Certification #: T104704192
Washington Certification #: C754
Wisconsin Certification #: 999407970

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SAMPLE SUMMARY

Project: Superior,Water,Light & Power
Pace Project No.: 10154577

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10154577001	**MW-4**	Water	04/14/11 08:00	04/15/11 07:55
10154577002	**MW-6**	Water	04/13/11 15:45	04/15/11 07:55
10154577003	**MW-7**	Water	04/13/11 14:45	04/15/11 07:55
10154577004	**MW-8**	Water	04/14/11 13:25	04/15/11 07:55
10154577005	**MW-9**	Water	04/14/11 14:10	04/15/11 07:55
10154577006	**MW-10**	Water	04/14/11 09:45	04/15/11 07:55
10154577007	**MW-11**	Water	04/14/11 09:00	04/15/11 07:55
10154577008	**MW-15**	Water	04/14/11 11:25	04/15/11 07:55
10154577009	**MW-20**	Water	04/14/11 10:40	04/15/11 07:55
10154577010	**MW-22**	Water	04/14/11 14:45	04/15/11 07:55
10154577011	**DUP-1**	Water	04/13/11 00:00	04/15/11 07:55
10154577012	**Trip Blank**	Water	04/13/11 00:00	04/15/11 07:55

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SAMPLE ANALYTE COUNT

Project: Superior,Water,Light & Power
Pace Project No.: 10154577

Lab ID	Sample ID	Method	Analysts	Analytes Reported
10154577001	**MW-4**	EPA 8270 by SIM	DRE	18
		EPA 8260	KT1	73
10154577002	**MW-6**	EPA 8270 by SIM	DRE	18
		EPA 8260	KT1	73
10154577003	**MW-7**	EPA 8270 by SIM	DRE	18
		EPA 8260	KT1	73
10154577004	**MW-8**	EPA 8270 by SIM	DRE	18
		EPA 8260	ECB	73
10154577005	**MW-9**	EPA 8270 by SIM	DRE	18
		EPA 8260	KT1	73
10154577006	**MW-10**	EPA 8270 by SIM	DRE	18
		EPA 8260	ECB	73
10154577007	**MW-11**	EPA 8270 by SIM	DRE	18
		EPA 8260	KT1	73
10154577008	**MW-15**	EPA 8270 by SIM	DRE	18
		EPA 8260	KT1	73
10154577009	**MW-20**	EPA 8270 by SIM	DRE	18
		EPA 8260	ECB	73
10154577010	**MW-22**	EPA 8270 by SIM	DRE	18
		EPA 8260	KT1	73
10154577011	**DUP-1**	EPA 8270 by SIM	DRE	18
		EPA 8260	KT1	73
10154577012	**Trip Blank**	EPA 8260	KT1	73

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PROJECT NARRATIVE

Project: Superior,Water,Light & Power
Pace Project No.: 10154577

Method: **EPA 8270 by SIM**
Description: 8270 MSSV PAH by SIM
Client: AECOM
Date: April 22, 2011

General Information:
11 samples were analyzed for EPA 8270 by SIM. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3510 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

Analyte Comments:

QC Batch: OEXT/15323

1M: Surrogate recovery outside control limits due to matrix interferences.

- DUP-1 (Lab ID: 10154577011)
  - 2-Fluorobiphenyl (S)
  - Terphenyl-d14 (S)
- MW-7 (Lab ID: 10154577003)
  - 2-Fluorobiphenyl (S)

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PROJECT NARRATIVE

Project: Superior,Water,Light & Power
Pace Project No.: 10154577

Method: **EPA 8270 by SIM**
Description: 8270 MSSV PAH by SIM
Client: AECOM
Date: April 22, 2011

Analyte Comments:

QC Batch: OEXT/15323

1M: Surrogate recovery outside control limits due to matrix interferences.

- MW-7 (Lab ID: 10154577003)
  - Terphenyl-d14 (S)
- MW-9 (Lab ID: 10154577005)
  - 2-Fluorobiphenyl (S)
  - Terphenyl-d14 (S)

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PROJECT NARRATIVE

Project: Superior,Water,Light & Power
Pace Project No.: 10154577

Method: **EPA 8260**
Description: 8260 VOC
Client: AECOM
Date: April 22, 2011

General Information:
12 samples were analyzed for EPA 8260. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: MSV/16718

L0: Analyte recovery in the laboratory control sample (LCS) was outside QC limits.

- LCS (Lab ID: 960584)
  - Methyl-tert-butyl ether

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: MSV/16718

A matrix spike and matrix spike duplicate (MS/MSD) were performed on the following sample(s): 10154577007

M0: Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

- MS (Lab ID: 960830)
  - Methyl-tert-butyl ether

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 960830)
  - 1,1,1,2-Tetrachloroethane
  - 1,1,1-Trichloroethane
  - 1,1,2,2-Tetrachloroethane
  - 1,1-Dichloroethene
  - 1,1-Dichloropropene

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PROJECT NARRATIVE

Project: Superior,Water,Light & Power
Pace Project No.: 10154577

Method: **EPA 8260**
Description: 8260 VOC
Client: AECOM
Date: April 22, 2011

QC Batch: MSV/16718

A matrix spike and matrix spike duplicate (MS/MSD) were performed on the following sample(s): 10154577007

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- 1,2,3-Trichloropropane
- 1,2-Dibromo-3-chloropropane
- 1,2-Dibromoethane (EDB)
- 1,2-Dichloroethane
- 1,3-Dichloropropane
- Benzene
- Bromochloromethane
- Bromodichloromethane
- Bromoform
- Bromomethane
- Carbon tetrachloride
- Chloroform
- Dibromochloromethane
- Dibromomethane
- Dichlorodifluoromethane
- Dichlorofluoromethane
- Diethyl ether (Ethyl ether)
- Methylene Chloride
- Styrene
- Tetrahydrofuran
- Trichlorofluoromethane
- cis-1,2-Dichloroethene
- cis-1,3-Dichloropropene
- trans-1,2-Dichloroethene
- trans-1,3-Dichloropropene

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

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ANALYTICAL RESULTS

Project: Superior,Water,Light & Power
Pace Project No.: 10154577

Sample: MW-4 **Lab ID: 10154577001** Collected: 04/14/11 08:00 Received: 04/15/11 07:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Acenaphthene	ND	ug/L	0.041	0.020	1	04/19/11 12:32	04/20/11 20:17	83-32-9	
Acenaphthylene	ND	ug/L	0.041	0.020	1	04/19/11 12:32	04/20/11 20:17	208-96-8	
Anthracene	ND	ug/L	0.041	0.020	1	04/19/11 12:32	04/20/11 20:17	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.041	0.020	1	04/19/11 12:32	04/20/11 20:17	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.041	0.020	1	04/19/11 12:32	04/20/11 20:17	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.041	0.020	1	04/19/11 12:32	04/20/11 20:17	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.041	0.020	1	04/19/11 12:32	04/20/11 20:17	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.041	0.020	1	04/19/11 12:32	04/20/11 20:17	207-08-9	
Chrysene	ND	ug/L	0.041	0.020	1	04/19/11 12:32	04/20/11 20:17	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.041	0.020	1	04/19/11 12:32	04/20/11 20:17	53-70-3	
Fluoranthene	ND	ug/L	0.041	0.020	1	04/19/11 12:32	04/20/11 20:17	206-44-0	
Fluorene	ND	ug/L	0.041	0.020	1	04/19/11 12:32	04/20/11 20:17	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.041	0.020	1	04/19/11 12:32	04/20/11 20:17	193-39-5	
Naphthalene	**3.4**	ug/L	0.041	0.020	1	04/19/11 12:32	04/20/11 20:17	91-20-3	
Phenanthrene	ND	ug/L	0.041	0.020	1	04/19/11 12:32	04/20/11 20:17	85-01-8	
Pyrene	ND	ug/L	0.041	0.020	1	04/19/11 12:32	04/20/11 20:17	129-00-0	
2-Fluorobiphenyl (S)	73	%	56-125		1	04/19/11 12:32	04/20/11 20:17	321-60-8	
Terphenyl-d14 (S)	83	%	58-125		1	04/19/11 12:32	04/20/11 20:17	1718-51-0	
8260 VOC	Analytical Method: EPA 8260								
Acetone	ND	ug/L	2500	190	100		04/19/11 03:58	67-64-1	
Allyl chloride	ND	ug/L	400	51.0	100		04/19/11 03:58	107-05-1	
Benzene	**157000**	ug/L	2000	720	2000		04/20/11 17:37	71-43-2	
Bromobenzene	ND	ug/L	100	31.0	100		04/19/11 03:58	108-86-1	
Bromochloromethane	ND	ug/L	100	22.0	100		04/19/11 03:58	74-97-5	
Bromodichloromethane	ND	ug/L	100	23.0	100		04/19/11 03:58	75-27-4	
Bromoform	ND	ug/L	400	200	100		04/19/11 03:58	75-25-2	
Bromomethane	ND	ug/L	400	36.0	100		04/19/11 03:58	74-83-9	
2-Butanone (MEK)	ND	ug/L	400	127	100		04/19/11 03:58	78-93-3	
n-Butylbenzene	ND	ug/L	100	38.0	100		04/19/11 03:58	104-51-8	
sec-Butylbenzene	ND	ug/L	100	37.0	100		04/19/11 03:58	135-98-8	
tert-Butylbenzene	ND	ug/L	100	47.0	100		04/19/11 03:58	98-06-6	
Carbon tetrachloride	ND	ug/L	100	38.0	100		04/19/11 03:58	56-23-5	
Chlorobenzene	ND	ug/L	100	33.0	100		04/19/11 03:58	108-90-7	
Chloroethane	ND	ug/L	100	32.0	100		04/19/11 03:58	75-00-3	
Chloroform	ND	ug/L	100	34.0	100		04/19/11 03:58	67-66-3	
Chloromethane	ND	ug/L	400	36.0	100		04/19/11 03:58	74-87-3	
2-Chlorotoluene	ND	ug/L	100	37.0	100		04/19/11 03:58	95-49-8	
4-Chlorotoluene	ND	ug/L	100	29.0	100		04/19/11 03:58	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	400	123	100		04/19/11 03:58	96-12-8	
Dibromochloromethane	ND	ug/L	100	36.0	100		04/19/11 03:58	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	100	26.0	100		04/19/11 03:58	106-93-4	
Dibromomethane	ND	ug/L	400	48.0	100		04/19/11 03:58	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	100	31.0	100		04/19/11 03:58	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	100	40.0	100		04/19/11 03:58	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	100	34.0	100		04/19/11 03:58	106-46-7	

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ANALYTICAL RESULTS

Project: Superior,Water,Light & Power
Pace Project No.: 10154577

Sample: MW-4 **Lab ID: 10154577001** Collected: 04/14/11 08:00 Received: 04/15/11 07:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260								
Dichlorodifluoromethane	ND	ug/L	100	23.0	100		04/19/11 03:58	75-71-8	
1,1-Dichloroethane	ND	ug/L	100	23.0	100		04/19/11 03:58	75-34-3	
1,2-Dichloroethane	ND	ug/L	100	23.0	100		04/19/11 03:58	107-06-2	
1,1-Dichloroethene	ND	ug/L	100	47.0	100		04/19/11 03:58	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	100	37.0	100		04/19/11 03:58	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	400	21.0	100		04/19/11 03:58	156-60-5	
Dichlorofluoromethane	ND	ug/L	100	25.0	100		04/19/11 03:58	75-43-4	
1,2-Dichloropropane	ND	ug/L	400	41.0	100		04/19/11 03:58	78-87-5	
1,3-Dichloropropane	ND	ug/L	100	36.0	100		04/19/11 03:58	142-28-9	
2,2-Dichloropropane	ND	ug/L	400	42.0	100		04/19/11 03:58	594-20-7	
1,1-Dichloropropene	ND	ug/L	100	46.0	100		04/19/11 03:58	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	400	27.0	100		04/19/11 03:58	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	400	18.0	100		04/19/11 03:58	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	400	28.0	100		04/19/11 03:58	60-29-7	
Ethylbenzene	**391**	ug/L	100	38.0	100		04/19/11 03:58	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	500	20.0	100		04/19/11 03:58	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	100	36.0	100		04/19/11 03:58	98-82-8	
p-Isopropyltoluene	ND	ug/L	100	36.0	100		04/19/11 03:58	99-87-6	
Methylene Chloride	ND	ug/L	400	107	100		04/19/11 03:58	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	400	200	100		04/19/11 03:58	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	100	24.0	100		04/19/11 03:58	1634-04-4	L3
Naphthalene	ND	ug/L	400	57.0	100		04/19/11 03:58	91-20-3	
n-Propylbenzene	ND	ug/L	100	42.0	100		04/19/11 03:58	103-65-1	
Styrene	**106**	ug/L	100	35.0	100		04/19/11 03:58	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	100	35.0	100		04/19/11 03:58	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	100	17.0	100		04/19/11 03:58	79-34-5	
Tetrachloroethene	ND	ug/L	100	26.0	100		04/19/11 03:58	127-18-4	
Tetrahydrofuran	ND	ug/L	1000	410	100		04/19/11 03:58	109-99-9	
Toluene	**18500**	ug/L	100	39.0	100		04/19/11 03:58	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	100	29.0	100		04/19/11 03:58	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	100	33.0	100		04/19/11 03:58	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	100	26.0	100		04/19/11 03:58	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	100	38.0	100		04/19/11 03:58	79-00-5	
Trichloroethene	ND	ug/L	100	20.0	100		04/19/11 03:58	79-01-6	
Trichlorofluoromethane	ND	ug/L	100	30.0	100		04/19/11 03:58	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	400	25.0	100		04/19/11 03:58	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	100	49.0	100		04/19/11 03:58	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	100	26.0	100		04/19/11 03:58	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	100	38.0	100		04/19/11 03:58	108-67-8	
Vinyl chloride	ND	ug/L	40.0	17.0	100		04/19/11 03:58	75-01-4	
Xylene (Total)	**2160**	ug/L	300	112	100		04/19/11 03:58	1330-20-7	
m&p-Xylene	**1970**	ug/L	200	66.0	100		04/19/11 03:58	179601-23-1	
o-Xylene	**187**	ug/L	100	46.0	100		04/19/11 03:58	95-47-6	
Dibromofluoromethane (S)	97	%	75-125		100		04/19/11 03:58	1868-53-7	
1,2-Dichloroethane-d4 (S)	106	%	75-125		100		04/19/11 03:58	17060-07-0	
Toluene-d8 (S)	96	%	75-125		100		04/19/11 03:58	2037-26-5	

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ANALYTICAL RESULTS

Project: Superior,Water,Light & Power
Pace Project No.: 10154577

Sample: MW-4 **Lab ID: 10154577001** Collected: 04/14/11 08:00 Received: 04/15/11 07:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260								
4-Bromofluorobenzene (S)	104	%	75-125		100		04/19/11 03:58	460-00-4	

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ANALYTICAL RESULTS

Project: Superior,Water,Light & Power
Pace Project No.: 10154577

Sample: MW-6 **Lab ID: 10154577002** Collected: 04/13/11 15:45 Received: 04/15/11 07:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Acenaphthene	**3.5**	ug/L	0.041	0.021	1	04/19/11 12:32	04/20/11 20:37	83-32-9	
Acenaphthylene	**0.13**	ug/L	0.041	0.021	1	04/19/11 12:32	04/20/11 20:37	208-96-8	
Anthracene	**0.28**	ug/L	0.041	0.021	1	04/19/11 12:32	04/20/11 20:37	120-12-7	
Benzo(a)anthracene	**0.043**	ug/L	0.041	0.021	1	04/19/11 12:32	04/20/11 20:37	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.041	0.021	1	04/19/11 12:32	04/20/11 20:37	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.041	0.021	1	04/19/11 12:32	04/20/11 20:37	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.041	0.021	1	04/19/11 12:32	04/20/11 20:37	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.041	0.021	1	04/19/11 12:32	04/20/11 20:37	207-08-9	
Chrysene	ND	ug/L	0.041	0.021	1	04/19/11 12:32	04/20/11 20:37	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.041	0.021	1	04/19/11 12:32	04/20/11 20:37	53-70-3	
Fluoranthene	**0.40**	ug/L	0.041	0.021	1	04/19/11 12:32	04/20/11 20:37	206-44-0	
Fluorene	**0.52**	ug/L	0.041	0.021	1	04/19/11 12:32	04/20/11 20:37	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.041	0.021	1	04/19/11 12:32	04/20/11 20:37	193-39-5	
Naphthalene	**8.3**	ug/L	0.041	0.021	1	04/19/11 12:32	04/20/11 20:37	91-20-3	
Phenanthrene	**1.7**	ug/L	0.041	0.021	1	04/19/11 12:32	04/20/11 20:37	85-01-8	
Pyrene	**0.49**	ug/L	0.041	0.021	1	04/19/11 12:32	04/20/11 20:37	129-00-0	
2-Fluorobiphenyl (S)	67	%	56-125		1	04/19/11 12:32	04/20/11 20:37	321-60-8	
Terphenyl-d14 (S)	92	%	58-125		1	04/19/11 12:32	04/20/11 20:37	1718-51-0	
8260 VOC	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	1.9	1		04/19/11 00:27	67-64-1	
Allyl chloride	ND	ug/L	4.0	0.51	1		04/19/11 00:27	107-05-1	
Benzene	**3.7**	ug/L	1.0	0.36	1		04/19/11 00:27	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.31	1		04/19/11 00:27	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.22	1		04/19/11 00:27	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.23	1		04/19/11 00:27	75-27-4	
Bromoform	ND	ug/L	4.0	2.0	1		04/19/11 00:27	75-25-2	
Bromomethane	ND	ug/L	4.0	0.36	1		04/19/11 00:27	74-83-9	
2-Butanone (MEK)	ND	ug/L	4.0	1.3	1		04/19/11 00:27	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	0.38	1		04/19/11 00:27	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.37	1		04/19/11 00:27	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.47	1		04/19/11 00:27	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	0.38	1		04/19/11 00:27	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.33	1		04/19/11 00:27	108-90-7	
Chloroethane	ND	ug/L	1.0	0.32	1		04/19/11 00:27	75-00-3	
Chloroform	ND	ug/L	1.0	0.34	1		04/19/11 00:27	67-66-3	
Chloromethane	ND	ug/L	4.0	0.36	1		04/19/11 00:27	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.37	1		04/19/11 00:27	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.29	1		04/19/11 00:27	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1.2	1		04/19/11 00:27	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		04/19/11 00:27	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.26	1		04/19/11 00:27	106-93-4	
Dibromomethane	ND	ug/L	4.0	0.48	1		04/19/11 00:27	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.31	1		04/19/11 00:27	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.40	1		04/19/11 00:27	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.34	1		04/19/11 00:27	106-46-7	

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ANALYTICAL RESULTS

Project: Superior,Water,Light & Power
Pace Project No.: 10154577

Sample: MW-6 **Lab ID: 10154577002** Collected: 04/13/11 15:45 Received: 04/15/11 07:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260								
Dichlorodifluoromethane	ND	ug/L	1.0	0.23	1		04/19/11 00:27	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.23	1		04/19/11 00:27	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.23	1		04/19/11 00:27	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.47	1		04/19/11 00:27	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.37	1		04/19/11 00:27	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	4.0	0.21	1		04/19/11 00:27	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	0.25	1		04/19/11 00:27	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	0.41	1		04/19/11 00:27	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.36	1		04/19/11 00:27	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	0.42	1		04/19/11 00:27	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.46	1		04/19/11 00:27	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	0.27	1		04/19/11 00:27	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	0.18	1		04/19/11 00:27	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	0.28	1		04/19/11 00:27	60-29-7	
Ethylbenzene	**2.6**	ug/L	1.0	0.38	1		04/19/11 00:27	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	0.20	1		04/19/11 00:27	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.36	1		04/19/11 00:27	98-82-8	
p-Isopropyltoluene	**1.7**	ug/L	1.0	0.36	1		04/19/11 00:27	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1.1	1		04/19/11 00:27	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	4.0	2.0	1		04/19/11 00:27	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.24	1		04/19/11 00:27	1634-04-4	L3
Naphthalene	**14.3**	ug/L	4.0	0.57	1		04/19/11 00:27	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.42	1		04/19/11 00:27	103-65-1	
Styrene	ND	ug/L	1.0	0.35	1		04/19/11 00:27	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.35	1		04/19/11 00:27	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.17	1		04/19/11 00:27	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.26	1		04/19/11 00:27	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	4.1	1		04/19/11 00:27	109-99-9	
Toluene	ND	ug/L	1.0	0.39	1		04/19/11 00:27	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.29	1		04/19/11 00:27	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.33	1		04/19/11 00:27	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.26	1		04/19/11 00:27	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.38	1		04/19/11 00:27	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.20	1		04/19/11 00:27	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		04/19/11 00:27	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	0.25	1		04/19/11 00:27	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	0.49	1		04/19/11 00:27	76-13-1	
1,2,4-Trimethylbenzene	**1.2**	ug/L	1.0	0.26	1		04/19/11 00:27	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.38	1		04/19/11 00:27	108-67-8	
Vinyl chloride	ND	ug/L	0.40	0.17	1		04/19/11 00:27	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1.1	1		04/19/11 00:27	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		04/19/11 00:27	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.46	1		04/19/11 00:27	95-47-6	
Dibromofluoromethane (S)	112	%	75-125		1		04/19/11 00:27	1868-53-7	
1,2-Dichloroethane-d4 (S)	111	%	75-125		1		04/19/11 00:27	17060-07-0	
Toluene-d8 (S)	94	%	75-125		1		04/19/11 00:27	2037-26-5	

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ANALYTICAL RESULTS

Project: Superior,Water,Light & Power
Pace Project No.: 10154577

Sample: MW-6 **Lab ID: 10154577002** Collected: 04/13/11 15:45 Received: 04/15/11 07:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260								
4-Bromofluorobenzene (S)	100	%	75-125		1		04/19/11 00:27	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Superior,Water,Light & Power
Pace Project No.: 10154577

Sample: MW-7 **Lab ID: 10154577003** Collected: 04/13/11 14:45 Received: 04/15/11 07:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Acenaphthene	**1.4**	ug/L	0.042	0.021	1	04/19/11 12:32	04/20/11 20:57	83-32-9	
Acenaphthylene	**0.71**	ug/L	0.042	0.021	1	04/19/11 12:32	04/20/11 20:57	208-96-8	
Anthracene	**0.42**	ug/L	0.042	0.021	1	04/19/11 12:32	04/20/11 20:57	120-12-7	
Benzo(a)anthracene	**0.33**	ug/L	0.042	0.021	1	04/19/11 12:32	04/20/11 20:57	56-55-3	
Benzo(a)pyrene	**0.40**	ug/L	0.042	0.021	1	04/19/11 12:32	04/20/11 20:57	50-32-8	
Benzo(b)fluoranthene	**0.42**	ug/L	0.042	0.021	1	04/19/11 12:32	04/20/11 20:57	205-99-2	
Benzo(g,h,i)perylene	**0.35**	ug/L	0.042	0.021	1	04/19/11 12:32	04/20/11 20:57	191-24-2	
Benzo(k)fluoranthene	**0.16**	ug/L	0.042	0.021	1	04/19/11 12:32	04/20/11 20:57	207-08-9	
Chrysene	**0.39**	ug/L	0.042	0.021	1	04/19/11 12:32	04/20/11 20:57	218-01-9	
Dibenz(a,h)anthracene	**0.064**	ug/L	0.042	0.021	1	04/19/11 12:32	04/20/11 20:57	53-70-3	
Fluoranthene	**0.75**	ug/L	0.042	0.021	1	04/19/11 12:32	04/20/11 20:57	206-44-0	
Fluorene	**0.98**	ug/L	0.042	0.021	1	04/19/11 12:32	04/20/11 20:57	86-73-7	
Indeno(1,2,3-cd)pyrene	**0.22**	ug/L	0.042	0.021	1	04/19/11 12:32	04/20/11 20:57	193-39-5	
Naphthalene	**122**	ug/L	4.2	2.1	100	04/19/11 12:32	04/21/11 12:29	91-20-3	
Phenanthrene	**1.3**	ug/L	0.042	0.021	1	04/19/11 12:32	04/20/11 20:57	85-01-8	
Pyrene	**1.3**	ug/L	0.042	0.021	1	04/19/11 12:32	04/20/11 20:57	129-00-0	
2-Fluorobiphenyl (S)	28	%	56-125		1	04/19/11 12:32	04/20/11 20:57	321-60-8	1M
Terphenyl-d14 (S)	20	%	58-125		1	04/19/11 12:32	04/20/11 20:57	1718-51-0	1M
8260 VOC	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25000	1900	1000		04/19/11 03:16	67-64-1	
Allyl chloride	ND	ug/L	4000	510	1000		04/19/11 03:16	107-05-1	
Benzene	**204000**	ug/L	1000	360	1000		04/19/11 03:16	71-43-2	
Bromobenzene	ND	ug/L	1000	310	1000		04/19/11 03:16	108-86-1	
Bromochloromethane	ND	ug/L	1000	220	1000		04/19/11 03:16	74-97-5	
Bromodichloromethane	ND	ug/L	1000	230	1000		04/19/11 03:16	75-27-4	
Bromoform	ND	ug/L	4000	2000	1000		04/19/11 03:16	75-25-2	
Bromomethane	ND	ug/L	4000	360	1000		04/19/11 03:16	74-83-9	
2-Butanone (MEK)	ND	ug/L	4000	1270	1000		04/19/11 03:16	78-93-3	
n-Butylbenzene	ND	ug/L	1000	380	1000		04/19/11 03:16	104-51-8	
sec-Butylbenzene	ND	ug/L	1000	370	1000		04/19/11 03:16	135-98-8	
tert-Butylbenzene	ND	ug/L	1000	470	1000		04/19/11 03:16	98-06-6	
Carbon tetrachloride	ND	ug/L	1000	380	1000		04/19/11 03:16	56-23-5	
Chlorobenzene	ND	ug/L	1000	330	1000		04/19/11 03:16	108-90-7	
Chloroethane	ND	ug/L	1000	320	1000		04/19/11 03:16	75-00-3	
Chloroform	ND	ug/L	1000	340	1000		04/19/11 03:16	67-66-3	
Chloromethane	ND	ug/L	4000	360	1000		04/19/11 03:16	74-87-3	
2-Chlorotoluene	ND	ug/L	1000	370	1000		04/19/11 03:16	95-49-8	
4-Chlorotoluene	ND	ug/L	1000	290	1000		04/19/11 03:16	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4000	1230	1000		04/19/11 03:16	96-12-8	
Dibromochloromethane	ND	ug/L	1000	360	1000		04/19/11 03:16	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1000	260	1000		04/19/11 03:16	106-93-4	
Dibromomethane	ND	ug/L	4000	480	1000		04/19/11 03:16	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1000	310	1000		04/19/11 03:16	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1000	400	1000		04/19/11 03:16	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1000	340	1000		04/19/11 03:16	106-46-7	

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ANALYTICAL RESULTS

Project: Superior,Water,Light & Power
Pace Project No.: 10154577

Sample: MW-7 **Lab ID: 10154577003** Collected: 04/13/11 14:45 Received: 04/15/11 07:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260								
Dichlorodifluoromethane	ND	ug/L	1000	230	1000		04/19/11 03:16	75-71-8	
1,1-Dichloroethane	ND	ug/L	1000	230	1000		04/19/11 03:16	75-34-3	
1,2-Dichloroethane	ND	ug/L	1000	230	1000		04/19/11 03:16	107-06-2	
1,1-Dichloroethene	ND	ug/L	1000	470	1000		04/19/11 03:16	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1000	370	1000		04/19/11 03:16	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	4000	210	1000		04/19/11 03:16	156-60-5	
Dichlorofluoromethane	ND	ug/L	1000	250	1000		04/19/11 03:16	75-43-4	
1,2-Dichloropropane	ND	ug/L	4000	410	1000		04/19/11 03:16	78-87-5	
1,3-Dichloropropane	ND	ug/L	1000	360	1000		04/19/11 03:16	142-28-9	
2,2-Dichloropropane	ND	ug/L	4000	420	1000		04/19/11 03:16	594-20-7	
1,1-Dichloropropene	ND	ug/L	1000	460	1000		04/19/11 03:16	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4000	270	1000		04/19/11 03:16	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4000	180	1000		04/19/11 03:16	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4000	280	1000		04/19/11 03:16	60-29-7	
Ethylbenzene	**4200**	ug/L	1000	380	1000		04/19/11 03:16	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	5000	200	1000		04/19/11 03:16	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1000	360	1000		04/19/11 03:16	98-82-8	
p-Isopropyltoluene	ND	ug/L	1000	360	1000		04/19/11 03:16	99-87-6	
Methylene Chloride	ND	ug/L	4000	1070	1000		04/19/11 03:16	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	4000	2000	1000		04/19/11 03:16	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1000	240	1000		04/19/11 03:16	1634-04-4	L3
Naphthalene	ND	ug/L	4000	570	1000		04/19/11 03:16	91-20-3	
n-Propylbenzene	ND	ug/L	1000	420	1000		04/19/11 03:16	103-65-1	
Styrene	ND	ug/L	1000	350	1000		04/19/11 03:16	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1000	350	1000		04/19/11 03:16	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1000	170	1000		04/19/11 03:16	79-34-5	
Tetrachloroethene	ND	ug/L	1000	260	1000		04/19/11 03:16	127-18-4	
Tetrahydrofuran	ND	ug/L	10000	4100	1000		04/19/11 03:16	109-99-9	
Toluene	**110000**	ug/L	1000	390	1000		04/19/11 03:16	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1000	290	1000		04/19/11 03:16	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1000	330	1000		04/19/11 03:16	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1000	260	1000		04/19/11 03:16	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1000	380	1000		04/19/11 03:16	79-00-5	
Trichloroethene	ND	ug/L	1000	200	1000		04/19/11 03:16	79-01-6	
Trichlorofluoromethane	ND	ug/L	1000	300	1000		04/19/11 03:16	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4000	250	1000		04/19/11 03:16	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1000	490	1000		04/19/11 03:16	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1000	260	1000		04/19/11 03:16	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1000	380	1000		04/19/11 03:16	108-67-8	
Vinyl chloride	ND	ug/L	400	170	1000		04/19/11 03:16	75-01-4	
Xylene (Total)	**20900**	ug/L	3000	1120	1000		04/19/11 03:16	1330-20-7	
m&p-Xylene	**16600**	ug/L	2000	660	1000		04/19/11 03:16	179601-23-1	
o-Xylene	**4300**	ug/L	1000	460	1000		04/19/11 03:16	95-47-6	
Dibromofluoromethane (S)	110	%	75-125		1000		04/19/11 03:16	1868-53-7	
1,2-Dichloroethane-d4 (S)	110	%	75-125		1000		04/19/11 03:16	17060-07-0	
Toluene-d8 (S)	95	%	75-125		1000		04/19/11 03:16	2037-26-5	

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(612)607-1700

ANALYTICAL RESULTS

Project: Superior,Water,Light & Power
Pace Project No.: 10154577

Sample: MW-7 **Lab ID: 10154577003** Collected: 04/13/11 14:45 Received: 04/15/11 07:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260								
4-Bromofluorobenzene (S)	105	%	75-125		1000		04/19/11 03:16	460-00-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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ANALYTICAL RESULTS

Project: Superior,Water,Light & Power
Pace Project No.: 10154577

Sample: MW-8 **Lab ID: 10154577004** Collected: 04/14/11 13:25 Received: 04/15/11 07:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Acenaphthene	**48.7**	ug/L	2.0	1.0	50	04/19/11 12:32	04/21/11 12:49	83-32-9	
Acenaphthylene	**7.8**	ug/L	0.041	0.020	1	04/19/11 12:32	04/20/11 21:18	208-96-8	
Anthracene	**6.3**	ug/L	0.041	0.020	1	04/19/11 12:32	04/20/11 21:18	120-12-7	
Benzo(a)anthracene	**0.35**	ug/L	0.041	0.020	1	04/19/11 12:32	04/20/11 21:18	56-55-3	
Benzo(a)pyrene	**0.14**	ug/L	0.041	0.020	1	04/19/11 12:32	04/20/11 21:18	50-32-8	
Benzo(b)fluoranthene	**0.12**	ug/L	0.041	0.020	1	04/19/11 12:32	04/20/11 21:18	205-99-2	
Benzo(g,h,i)perylene	**0.056**	ug/L	0.041	0.020	1	04/19/11 12:32	04/20/11 21:18	191-24-2	
Benzo(k)fluoranthene	**0.050**	ug/L	0.041	0.020	1	04/19/11 12:32	04/20/11 21:18	207-08-9	
Chrysene	**0.29**	ug/L	0.041	0.020	1	04/19/11 12:32	04/20/11 21:18	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.041	0.020	1	04/19/11 12:32	04/20/11 21:18	53-70-3	
Fluoranthene	**3.7**	ug/L	0.041	0.020	1	04/19/11 12:32	04/20/11 21:18	206-44-0	
Fluorene	**14.2**	ug/L	2.0	1.0	50	04/19/11 12:32	04/21/11 12:49	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.041	0.020	1	04/19/11 12:32	04/20/11 21:18	193-39-5	
Naphthalene	**438**	ug/L	2.0	1.0	50	04/19/11 12:32	04/21/11 12:49	91-20-3	
Phenanthrene	**23.2**	ug/L	2.0	1.0	50	04/19/11 12:32	04/21/11 12:49	85-01-8	
Pyrene	**4.6**	ug/L	0.041	0.020	1	04/19/11 12:32	04/20/11 21:18	129-00-0	
2-Fluorobiphenyl (S)	81	%	56-125		1	04/19/11 12:32	04/20/11 21:18	321-60-8	
Terphenyl-d14 (S)	90	%	58-125		1	04/19/11 12:32	04/20/11 21:18	1718-51-0	
8260 VOC	Analytical Method: EPA 8260								
Acetone	ND	ug/L	12500	950	500		04/19/11 14:06	67-64-1	
Allyl chloride	ND	ug/L	2000	255	500		04/19/11 14:06	107-05-1	
Benzene	**58500**	ug/L	500	180	500		04/19/11 14:06	71-43-2	
Bromobenzene	ND	ug/L	500	155	500		04/19/11 14:06	108-86-1	
Bromochloromethane	ND	ug/L	500	110	500		04/19/11 14:06	74-97-5	
Bromodichloromethane	ND	ug/L	500	115	500		04/19/11 14:06	75-27-4	
Bromoform	ND	ug/L	2000	1000	500		04/19/11 14:06	75-25-2	
Bromomethane	ND	ug/L	2000	180	500		04/19/11 14:06	74-83-9	
2-Butanone (MEK)	ND	ug/L	2000	635	500		04/19/11 14:06	78-93-3	
n-Butylbenzene	ND	ug/L	500	190	500		04/19/11 14:06	104-51-8	
sec-Butylbenzene	ND	ug/L	500	185	500		04/19/11 14:06	135-98-8	
tert-Butylbenzene	ND	ug/L	500	235	500		04/19/11 14:06	98-06-6	
Carbon tetrachloride	ND	ug/L	500	190	500		04/19/11 14:06	56-23-5	
Chlorobenzene	ND	ug/L	500	165	500		04/19/11 14:06	108-90-7	
Chloroethane	ND	ug/L	500	160	500		04/19/11 14:06	75-00-3	
Chloroform	ND	ug/L	500	170	500		04/19/11 14:06	67-66-3	
Chloromethane	ND	ug/L	2000	180	500		04/19/11 14:06	74-87-3	
2-Chlorotoluene	ND	ug/L	500	185	500		04/19/11 14:06	95-49-8	
4-Chlorotoluene	ND	ug/L	500	145	500		04/19/11 14:06	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2000	615	500		04/19/11 14:06	96-12-8	
Dibromochloromethane	ND	ug/L	500	180	500		04/19/11 14:06	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	500	130	500		04/19/11 14:06	106-93-4	
Dibromomethane	ND	ug/L	2000	240	500		04/19/11 14:06	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	500	155	500		04/19/11 14:06	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	500	200	500		04/19/11 14:06	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	500	170	500		04/19/11 14:06	106-46-7	

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ANALYTICAL RESULTS

Project: Superior,Water,Light & Power
Pace Project No.: 10154577

Sample: MW-8 **Lab ID: 10154577004** Collected: 04/14/11 13:25 Received: 04/15/11 07:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260								
Dichlorodifluoromethane	ND	ug/L	500	115	500		04/19/11 14:06	75-71-8	
1,1-Dichloroethane	ND	ug/L	500	115	500		04/19/11 14:06	75-34-3	
1,2-Dichloroethane	ND	ug/L	500	115	500		04/19/11 14:06	107-06-2	
1,1-Dichloroethene	ND	ug/L	500	235	500		04/19/11 14:06	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	500	185	500		04/19/11 14:06	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	2000	105	500		04/19/11 14:06	156-60-5	
Dichlorofluoromethane	ND	ug/L	500	125	500		04/19/11 14:06	75-43-4	
1,2-Dichloropropane	ND	ug/L	2000	205	500		04/19/11 14:06	78-87-5	
1,3-Dichloropropane	ND	ug/L	500	180	500		04/19/11 14:06	142-28-9	
2,2-Dichloropropane	ND	ug/L	2000	210	500		04/19/11 14:06	594-20-7	
1,1-Dichloropropene	ND	ug/L	500	230	500		04/19/11 14:06	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	2000	135	500		04/19/11 14:06	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	2000	90.0	500		04/19/11 14:06	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	2000	140	500		04/19/11 14:06	60-29-7	
Ethylbenzene	**771**	ug/L	500	190	500		04/19/11 14:06	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	2500	100	500		04/19/11 14:06	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	500	180	500		04/19/11 14:06	98-82-8	
p-Isopropyltoluene	ND	ug/L	500	180	500		04/19/11 14:06	99-87-6	
Methylene Chloride	ND	ug/L	2000	535	500		04/19/11 14:06	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	2000	1000	500		04/19/11 14:06	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	500	120	500		04/19/11 14:06	1634-04-4	
Naphthalene	ND	ug/L	2000	285	500		04/19/11 14:06	91-20-3	
n-Propylbenzene	ND	ug/L	500	210	500		04/19/11 14:06	103-65-1	
Styrene	**3310**	ug/L	500	175	500		04/19/11 14:06	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	500	175	500		04/19/11 14:06	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	500	85.0	500		04/19/11 14:06	79-34-5	
Tetrachloroethene	ND	ug/L	500	130	500		04/19/11 14:06	127-18-4	
Tetrahydrofuran	ND	ug/L	5000	2050	500		04/19/11 14:06	109-99-9	
Toluene	**43800**	ug/L	500	195	500		04/19/11 14:06	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	500	145	500		04/19/11 14:06	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	500	165	500		04/19/11 14:06	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	500	130	500		04/19/11 14:06	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	500	190	500		04/19/11 14:06	79-00-5	
Trichloroethene	ND	ug/L	500	100	500		04/19/11 14:06	79-01-6	
Trichlorofluoromethane	ND	ug/L	500	150	500		04/19/11 14:06	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	2000	125	500		04/19/11 14:06	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	500	245	500		04/19/11 14:06	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	500	130	500		04/19/11 14:06	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	500	190	500		04/19/11 14:06	108-67-8	
Vinyl chloride	ND	ug/L	200	85.0	500		04/19/11 14:06	75-01-4	
Xylene (Total)	**14100**	ug/L	1500	560	500		04/19/11 14:06	1330-20-7	
m&p-Xylene	**11400**	ug/L	1000	330	500		04/19/11 14:06	179601-23-1	
o-Xylene	**2710**	ug/L	500	230	500		04/19/11 14:06	95-47-6	
Dibromofluoromethane (S)	109	%	75-125		500		04/19/11 14:06	1868-53-7	
1,2-Dichloroethane-d4 (S)	110	%	75-125		500		04/19/11 14:06	17060-07-0	
Toluene-d8 (S)	93	%	75-125		500		04/19/11 14:06	2037-26-5	

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ANALYTICAL RESULTS

Project: Superior,Water,Light & Power
Pace Project No.: 10154577

Sample: MW-8 **Lab ID: 10154577004** Collected: 04/14/11 13:25 Received: 04/15/11 07:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260								
4-Bromofluorobenzene (S)	105	%	75-125		500		04/19/11 14:06	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Superior,Water,Light & Power
Pace Project No.: 10154577

Sample: MW-9 **Lab ID: 10154577005** Collected: 04/14/11 14:10 Received: 04/15/11 07:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Acenaphthene	**184**	ug/L	2.0	1.0	50	04/19/11 12:32	04/21/11 13:09	83-32-9	
Acenaphthylene	**9.6**	ug/L	0.041	0.020	1	04/19/11 12:32	04/20/11 23:38	208-96-8	
Anthracene	**68.0**	ug/L	2.0	1.0	50	04/19/11 12:32	04/21/11 13:09	120-12-7	
Benzo(a)anthracene	**43.5**	ug/L	2.0	1.0	50	04/19/11 12:32	04/21/11 13:09	56-55-3	
Benzo(a)pyrene	**35.7**	ug/L	2.0	1.0	50	04/19/11 12:32	04/21/11 13:09	50-32-8	
Benzo(b)fluoranthene	**28.2**	ug/L	2.0	1.0	50	04/19/11 12:32	04/21/11 13:09	205-99-2	
Benzo(g,h,i)perylene	**16.3**	ug/L	2.0	1.0	50	04/19/11 12:32	04/21/11 13:09	191-24-2	
Benzo(k)fluoranthene	**10.5**	ug/L	2.0	1.0	50	04/19/11 12:32	04/21/11 13:09	207-08-9	
Chrysene	**36.2**	ug/L	2.0	1.0	50	04/19/11 12:32	04/21/11 13:09	218-01-9	
Dibenz(a,h)anthracene	**4.1**	ug/L	0.041	0.020	1	04/19/11 12:32	04/20/11 23:38	53-70-3	
Fluoranthene	**84.6**	ug/L	2.0	1.0	50	04/19/11 12:32	04/21/11 13:09	206-44-0	
Fluorene	**70.5**	ug/L	2.0	1.0	50	04/19/11 12:32	04/21/11 13:09	86-73-7	
Indeno(1,2,3-cd)pyrene	**11.5**	ug/L	2.0	1.0	50	04/19/11 12:32	04/21/11 13:09	193-39-5	
Naphthalene	**348**	ug/L	2.0	1.0	50	04/19/11 12:32	04/21/11 13:09	91-20-3	
Phenanthrene	**232**	ug/L	2.0	1.0	50	04/19/11 12:32	04/21/11 13:09	85-01-8	
Pyrene	**121**	ug/L	2.0	1.0	50	04/19/11 12:32	04/21/11 13:09	129-00-0	
2-Fluorobiphenyl (S)	40	%	56-125		1	04/19/11 12:32	04/20/11 23:38	321-60-8	1M
Terphenyl-d14 (S)	32	%	58-125		1	04/19/11 12:32	04/20/11 23:38	1718-51-0	1M
8260 VOC	Analytical Method: EPA 8260								
Acetone	ND	ug/L	2500	190	100		04/19/11 02:13	67-64-1	
Allyl chloride	ND	ug/L	400	51.0	100		04/19/11 02:13	107-05-1	
Benzene	**11200**	ug/L	100	36.0	100		04/19/11 02:13	71-43-2	
Bromobenzene	ND	ug/L	100	31.0	100		04/19/11 02:13	108-86-1	
Bromochloromethane	ND	ug/L	100	22.0	100		04/19/11 02:13	74-97-5	
Bromodichloromethane	ND	ug/L	100	23.0	100		04/19/11 02:13	75-27-4	
Bromoform	ND	ug/L	400	200	100		04/19/11 02:13	75-25-2	
Bromomethane	ND	ug/L	400	36.0	100		04/19/11 02:13	74-83-9	
2-Butanone (MEK)	ND	ug/L	400	127	100		04/19/11 02:13	78-93-3	
n-Butylbenzene	ND	ug/L	100	38.0	100		04/19/11 02:13	104-51-8	
sec-Butylbenzene	ND	ug/L	100	37.0	100		04/19/11 02:13	135-98-8	
tert-Butylbenzene	ND	ug/L	100	47.0	100		04/19/11 02:13	98-06-6	
Carbon tetrachloride	ND	ug/L	100	38.0	100		04/19/11 02:13	56-23-5	
Chlorobenzene	ND	ug/L	100	33.0	100		04/19/11 02:13	108-90-7	
Chloroethane	ND	ug/L	100	32.0	100		04/19/11 02:13	75-00-3	
Chloroform	ND	ug/L	100	34.0	100		04/19/11 02:13	67-66-3	
Chloromethane	ND	ug/L	400	36.0	100		04/19/11 02:13	74-87-3	
2-Chlorotoluene	ND	ug/L	100	37.0	100		04/19/11 02:13	95-49-8	
4-Chlorotoluene	ND	ug/L	100	29.0	100		04/19/11 02:13	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	400	123	100		04/19/11 02:13	96-12-8	
Dibromochloromethane	ND	ug/L	100	36.0	100		04/19/11 02:13	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	100	26.0	100		04/19/11 02:13	106-93-4	
Dibromomethane	ND	ug/L	400	48.0	100		04/19/11 02:13	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	100	31.0	100		04/19/11 02:13	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	100	40.0	100		04/19/11 02:13	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	100	34.0	100		04/19/11 02:13	106-46-7	

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ANALYTICAL RESULTS

Project: Superior,Water,Light & Power
Pace Project No.: 10154577

Sample: MW-9 **Lab ID: 10154577005** Collected: 04/14/11 14:10 Received: 04/15/11 07:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260								
Dichlorodifluoromethane	ND	ug/L	100	23.0	100		04/19/11 02:13	75-71-8	
1,1-Dichloroethane	ND	ug/L	100	23.0	100		04/19/11 02:13	75-34-3	
1,2-Dichloroethane	ND	ug/L	100	23.0	100		04/19/11 02:13	107-06-2	
1,1-Dichloroethene	ND	ug/L	100	47.0	100		04/19/11 02:13	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	100	37.0	100		04/19/11 02:13	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	400	21.0	100		04/19/11 02:13	156-60-5	
Dichlorofluoromethane	ND	ug/L	100	25.0	100		04/19/11 02:13	75-43-4	
1,2-Dichloropropane	ND	ug/L	400	41.0	100		04/19/11 02:13	78-87-5	
1,3-Dichloropropane	ND	ug/L	100	36.0	100		04/19/11 02:13	142-28-9	
2,2-Dichloropropane	ND	ug/L	400	42.0	100		04/19/11 02:13	594-20-7	
1,1-Dichloropropene	ND	ug/L	100	46.0	100		04/19/11 02:13	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	400	27.0	100		04/19/11 02:13	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	400	18.0	100		04/19/11 02:13	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	400	28.0	100		04/19/11 02:13	60-29-7	
Ethylbenzene	**386**	ug/L	100	38.0	100		04/19/11 02:13	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	500	20.0	100		04/19/11 02:13	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	100	36.0	100		04/19/11 02:13	98-82-8	
p-Isopropyltoluene	ND	ug/L	100	36.0	100		04/19/11 02:13	99-87-6	
Methylene Chloride	ND	ug/L	400	107	100		04/19/11 02:13	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	400	200	100		04/19/11 02:13	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	100	24.0	100		04/19/11 02:13	1634-04-4	L3
Naphthalene	**501**	ug/L	400	57.0	100		04/19/11 02:13	91-20-3	
n-Propylbenzene	ND	ug/L	100	42.0	100		04/19/11 02:13	103-65-1	
Styrene	ND	ug/L	100	35.0	100		04/19/11 02:13	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	100	35.0	100		04/19/11 02:13	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	100	17.0	100		04/19/11 02:13	79-34-5	
Tetrachloroethene	ND	ug/L	100	26.0	100		04/19/11 02:13	127-18-4	
Tetrahydrofuran	ND	ug/L	1000	410	100		04/19/11 02:13	109-99-9	
Toluene	**2800**	ug/L	100	39.0	100		04/19/11 02:13	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	100	29.0	100		04/19/11 02:13	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	100	33.0	100		04/19/11 02:13	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	100	26.0	100		04/19/11 02:13	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	100	38.0	100		04/19/11 02:13	79-00-5	
Trichloroethene	ND	ug/L	100	20.0	100		04/19/11 02:13	79-01-6	
Trichlorofluoromethane	ND	ug/L	100	30.0	100		04/19/11 02:13	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	400	25.0	100		04/19/11 02:13	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	100	49.0	100		04/19/11 02:13	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	100	26.0	100		04/19/11 02:13	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	100	38.0	100		04/19/11 02:13	108-67-8	
Vinyl chloride	ND	ug/L	40.0	17.0	100		04/19/11 02:13	75-01-4	
Xylene (Total)	**1210**	ug/L	300	112	100		04/19/11 02:13	1330-20-7	
m&p-Xylene	**968**	ug/L	200	66.0	100		04/19/11 02:13	179601-23-1	
o-Xylene	**240**	ug/L	100	46.0	100		04/19/11 02:13	95-47-6	
Dibromofluoromethane (S)	109	%	75-125		100		04/19/11 02:13	1868-53-7	
1,2-Dichloroethane-d4 (S)	109	%	75-125		100		04/19/11 02:13	17060-07-0	
Toluene-d8 (S)	95	%	75-125		100		04/19/11 02:13	2037-26-5	

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ANALYTICAL RESULTS

Project: Superior,Water,Light & Power
Pace Project No.: 10154577

Sample: MW-9 **Lab ID: 10154577005** Collected: 04/14/11 14:10 Received: 04/15/11 07:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260								
4-Bromofluorobenzene (S)	104	%	75-125		100		04/19/11 02:13	460-00-4	

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ANALYTICAL RESULTS

Project: Superior,Water,Light & Power
Pace Project No.: 10154577

Sample: MW-10 **Lab ID: 10154577006** Collected: 04/14/11 09:45 Received: 04/15/11 07:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Acenaphthene	**15.9**	ug/L	0.41	0.20	10	04/19/11 12:32	04/21/11 12:08	83-32-9	
Acenaphthylene	**0.52**	ug/L	0.041	0.020	1	04/19/11 12:32	04/20/11 21:38	208-96-8	
Anthracene	**1.5**	ug/L	0.041	0.020	1	04/19/11 12:32	04/20/11 21:38	120-12-7	
Benzo(a)anthracene	**0.31**	ug/L	0.041	0.020	1	04/19/11 12:32	04/20/11 21:38	56-55-3	
Benzo(a)pyrene	**0.19**	ug/L	0.041	0.020	1	04/19/11 12:32	04/20/11 21:38	50-32-8	
Benzo(b)fluoranthene	**0.16**	ug/L	0.041	0.020	1	04/19/11 12:32	04/20/11 21:38	205-99-2	
Benzo(g,h,i)perylene	**0.088**	ug/L	0.041	0.020	1	04/19/11 12:32	04/20/11 21:38	191-24-2	
Benzo(k)fluoranthene	**0.059**	ug/L	0.041	0.020	1	04/19/11 12:32	04/20/11 21:38	207-08-9	
Chrysene	**0.29**	ug/L	0.041	0.020	1	04/19/11 12:32	04/20/11 21:38	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.041	0.020	1	04/19/11 12:32	04/20/11 21:38	53-70-3	
Fluoranthene	**1.3**	ug/L	0.041	0.020	1	04/19/11 12:32	04/20/11 21:38	206-44-0	
Fluorene	**4.2**	ug/L	0.041	0.020	1	04/19/11 12:32	04/20/11 21:38	86-73-7	
Indeno(1,2,3-cd)pyrene	**0.064**	ug/L	0.041	0.020	1	04/19/11 12:32	04/20/11 21:38	193-39-5	
Naphthalene	**42.4**	ug/L	0.41	0.20	10	04/19/11 12:32	04/21/11 12:08	91-20-3	
Phenanthrene	**5.6**	ug/L	0.041	0.020	1	04/19/11 12:32	04/20/11 21:38	85-01-8	
Pyrene	**1.9**	ug/L	0.041	0.020	1	04/19/11 12:32	04/20/11 21:38	129-00-0	
2-Fluorobiphenyl (S)	73	%	56-125		1	04/19/11 12:32	04/20/11 21:38	321-60-8	
Terphenyl-d14 (S)	91	%	58-125		1	04/19/11 12:32	04/20/11 21:38	1718-51-0	
8260 VOC	Analytical Method: EPA 8260								
Acetone	ND	ug/L	625	47.5	25		04/19/11 13:44	67-64-1	
Allyl chloride	ND	ug/L	100	12.8	25		04/19/11 13:44	107-05-1	
Benzene	**2330**	ug/L	25.0	9.0	25		04/19/11 13:44	71-43-2	
Bromobenzene	ND	ug/L	25.0	7.8	25		04/19/11 13:44	108-86-1	
Bromochloromethane	ND	ug/L	25.0	5.5	25		04/19/11 13:44	74-97-5	
Bromodichloromethane	ND	ug/L	25.0	5.8	25		04/19/11 13:44	75-27-4	
Bromoform	ND	ug/L	100	50.0	25		04/19/11 13:44	75-25-2	
Bromomethane	ND	ug/L	100	9.0	25		04/19/11 13:44	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	31.8	25		04/19/11 13:44	78-93-3	
n-Butylbenzene	ND	ug/L	25.0	9.5	25		04/19/11 13:44	104-51-8	
sec-Butylbenzene	ND	ug/L	25.0	9.2	25		04/19/11 13:44	135-98-8	
tert-Butylbenzene	ND	ug/L	25.0	11.8	25		04/19/11 13:44	98-06-6	
Carbon tetrachloride	ND	ug/L	25.0	9.5	25		04/19/11 13:44	56-23-5	
Chlorobenzene	ND	ug/L	25.0	8.2	25		04/19/11 13:44	108-90-7	
Chloroethane	ND	ug/L	25.0	8.0	25		04/19/11 13:44	75-00-3	
Chloroform	ND	ug/L	25.0	8.5	25		04/19/11 13:44	67-66-3	
Chloromethane	ND	ug/L	100	9.0	25		04/19/11 13:44	74-87-3	
2-Chlorotoluene	ND	ug/L	25.0	9.2	25		04/19/11 13:44	95-49-8	
4-Chlorotoluene	ND	ug/L	25.0	7.2	25		04/19/11 13:44	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	100	30.8	25		04/19/11 13:44	96-12-8	
Dibromochloromethane	ND	ug/L	25.0	9.0	25		04/19/11 13:44	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	25.0	6.5	25		04/19/11 13:44	106-93-4	
Dibromomethane	ND	ug/L	100	12.0	25		04/19/11 13:44	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	25.0	7.8	25		04/19/11 13:44	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	25.0	10.0	25		04/19/11 13:44	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	25.0	8.5	25		04/19/11 13:44	106-46-7	

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ANALYTICAL RESULTS

Project: Superior,Water,Light & Power
Pace Project No.: 10154577

Sample: MW-10 **Lab ID: 10154577006** Collected: 04/14/11 09:45 Received: 04/15/11 07:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260								
Dichlorodifluoromethane	ND	ug/L	25.0	5.8	25		04/19/11 13:44	75-71-8	
1,1-Dichloroethane	ND	ug/L	25.0	5.8	25		04/19/11 13:44	75-34-3	
1,2-Dichloroethane	ND	ug/L	25.0	5.8	25		04/19/11 13:44	107-06-2	
1,1-Dichloroethene	ND	ug/L	25.0	11.8	25		04/19/11 13:44	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	25.0	9.2	25		04/19/11 13:44	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	100	5.2	25		04/19/11 13:44	156-60-5	
Dichlorofluoromethane	ND	ug/L	25.0	6.2	25		04/19/11 13:44	75-43-4	
1,2-Dichloropropane	ND	ug/L	100	10.2	25		04/19/11 13:44	78-87-5	
1,3-Dichloropropane	ND	ug/L	25.0	9.0	25		04/19/11 13:44	142-28-9	
2,2-Dichloropropane	ND	ug/L	100	10.5	25		04/19/11 13:44	594-20-7	
1,1-Dichloropropene	ND	ug/L	25.0	11.5	25		04/19/11 13:44	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	100	6.8	25		04/19/11 13:44	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	100	4.5	25		04/19/11 13:44	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	100	7.0	25		04/19/11 13:44	60-29-7	
Ethylbenzene	**105**	ug/L	25.0	9.5	25		04/19/11 13:44	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	125	5.0	25		04/19/11 13:44	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	25.0	9.0	25		04/19/11 13:44	98-82-8	
p-Isopropyltoluene	ND	ug/L	25.0	9.0	25		04/19/11 13:44	99-87-6	
Methylene Chloride	ND	ug/L	100	26.8	25		04/19/11 13:44	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	50.0	25		04/19/11 13:44	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	25.0	6.0	25		04/19/11 13:44	1634-04-4	
Naphthalene	ND	ug/L	100	14.2	25		04/19/11 13:44	91-20-3	
n-Propylbenzene	ND	ug/L	25.0	10.5	25		04/19/11 13:44	103-65-1	
Styrene	**25.0**	ug/L	25.0	8.8	25		04/19/11 13:44	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	25.0	8.8	25		04/19/11 13:44	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	25.0	4.2	25		04/19/11 13:44	79-34-5	
Tetrachloroethene	ND	ug/L	25.0	6.5	25		04/19/11 13:44	127-18-4	
Tetrahydrofuran	ND	ug/L	250	102	25		04/19/11 13:44	109-99-9	
Toluene	**1070**	ug/L	25.0	9.8	25		04/19/11 13:44	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	25.0	7.2	25		04/19/11 13:44	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	25.0	8.2	25		04/19/11 13:44	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	25.0	6.5	25		04/19/11 13:44	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	25.0	9.5	25		04/19/11 13:44	79-00-5	
Trichloroethene	ND	ug/L	25.0	5.0	25		04/19/11 13:44	79-01-6	
Trichlorofluoromethane	ND	ug/L	25.0	7.5	25		04/19/11 13:44	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	100	6.2	25		04/19/11 13:44	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	25.0	12.2	25		04/19/11 13:44	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	25.0	6.5	25		04/19/11 13:44	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	25.0	9.5	25		04/19/11 13:44	108-67-8	
Vinyl chloride	ND	ug/L	10.0	4.2	25		04/19/11 13:44	75-01-4	
Xylene (Total)	**468**	ug/L	75.0	28.0	25		04/19/11 13:44	1330-20-7	
m&p-Xylene	**376**	ug/L	50.0	16.5	25		04/19/11 13:44	179601-23-1	
o-Xylene	**92.8**	ug/L	25.0	11.5	25		04/19/11 13:44	95-47-6	
Dibromofluoromethane (S)	108	%	75-125		25		04/19/11 13:44	1868-53-7	
1,2-Dichloroethane-d4 (S)	107	%	75-125		25		04/19/11 13:44	17060-07-0	
Toluene-d8 (S)	94	%	75-125		25		04/19/11 13:44	2037-26-5	

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ANALYTICAL RESULTS

Project: Superior,Water,Light & Power
Pace Project No.: 10154577

Sample: MW-10 **Lab ID: 10154577006** Collected: 04/14/11 09:45 Received: 04/15/11 07:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260								
4-Bromofluorobenzene (S)	104	%	75-125		25		04/19/11 13:44	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Superior,Water,Light & Power
Pace Project No.: 10154577

Sample: MW-11 **Lab ID: 10154577007** Collected: 04/14/11 09:00 Received: 04/15/11 07:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Acenaphthene	**1.8**	ug/L	0.041	0.021	1	04/19/11 12:32	04/20/11 21:58	83-32-9	
Acenaphthylene	ND	ug/L	0.041	0.021	1	04/19/11 12:32	04/20/11 21:58	208-96-8	
Anthracene	ND	ug/L	0.041	0.021	1	04/19/11 12:32	04/20/11 21:58	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.041	0.021	1	04/19/11 12:32	04/20/11 21:58	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.041	0.021	1	04/19/11 12:32	04/20/11 21:58	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.041	0.021	1	04/19/11 12:32	04/20/11 21:58	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.041	0.021	1	04/19/11 12:32	04/20/11 21:58	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.041	0.021	1	04/19/11 12:32	04/20/11 21:58	207-08-9	
Chrysene	ND	ug/L	0.041	0.021	1	04/19/11 12:32	04/20/11 21:58	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.041	0.021	1	04/19/11 12:32	04/20/11 21:58	53-70-3	
Fluoranthene	ND	ug/L	0.041	0.021	1	04/19/11 12:32	04/20/11 21:58	206-44-0	
Fluorene	**0.33**	ug/L	0.041	0.021	1	04/19/11 12:32	04/20/11 21:58	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.041	0.021	1	04/19/11 12:32	04/20/11 21:58	193-39-5	
Naphthalene	**0.49**	ug/L	0.041	0.021	1	04/19/11 12:32	04/20/11 21:58	91-20-3	
Phenanthrene	**0.18**	ug/L	0.041	0.021	1	04/19/11 12:32	04/20/11 21:58	85-01-8	
Pyrene	ND	ug/L	0.041	0.021	1	04/19/11 12:32	04/20/11 21:58	129-00-0	
2-Fluorobiphenyl (S)	67	%	56-125		1	04/19/11 12:32	04/20/11 21:58	321-60-8	
Terphenyl-d14 (S)	88	%	58-125		1	04/19/11 12:32	04/20/11 21:58	1718-51-0	
8260 VOC	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	1.9	1		04/18/11 22:42	67-64-1	
Allyl chloride	ND	ug/L	4.0	0.51	1		04/18/11 22:42	107-05-1	
Benzene	ND	ug/L	1.0	0.36	1		04/18/11 22:42	71-43-2	M1
Bromobenzene	ND	ug/L	1.0	0.31	1		04/18/11 22:42	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.22	1		04/18/11 22:42	74-97-5	M1
Bromodichloromethane	ND	ug/L	1.0	0.23	1		04/18/11 22:42	75-27-4	M1
Bromoform	ND	ug/L	4.0	2.0	1		04/18/11 22:42	75-25-2	M1
Bromomethane	ND	ug/L	4.0	0.36	1		04/18/11 22:42	74-83-9	M1
2-Butanone (MEK)	ND	ug/L	4.0	1.3	1		04/18/11 22:42	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	0.38	1		04/18/11 22:42	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.37	1		04/18/11 22:42	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.47	1		04/18/11 22:42	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	0.38	1		04/18/11 22:42	56-23-5	M1
Chlorobenzene	ND	ug/L	1.0	0.33	1		04/18/11 22:42	108-90-7	
Chloroethane	ND	ug/L	1.0	0.32	1		04/18/11 22:42	75-00-3	
Chloroform	ND	ug/L	1.0	0.34	1		04/18/11 22:42	67-66-3	M1
Chloromethane	ND	ug/L	4.0	0.36	1		04/18/11 22:42	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.37	1		04/18/11 22:42	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.29	1		04/18/11 22:42	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1.2	1		04/18/11 22:42	96-12-8	M1
Dibromochloromethane	ND	ug/L	1.0	0.36	1		04/18/11 22:42	124-48-1	M1
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.26	1		04/18/11 22:42	106-93-4	M1
Dibromomethane	ND	ug/L	4.0	0.48	1		04/18/11 22:42	74-95-3	M1
1,2-Dichlorobenzene	ND	ug/L	1.0	0.31	1		04/18/11 22:42	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.40	1		04/18/11 22:42	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.34	1		04/18/11 22:42	106-46-7	

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ANALYTICAL RESULTS

Project: Superior,Water,Light & Power
Pace Project No.: 10154577

Sample: MW-11 **Lab ID: 10154577007** Collected: 04/14/11 09:00 Received: 04/15/11 07:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260								
Dichlorodifluoromethane	ND	ug/L	1.0	0.23	1		04/18/11 22:42	75-71-8	M1
1,1-Dichloroethane	ND	ug/L	1.0	0.23	1		04/18/11 22:42	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.23	1		04/18/11 22:42	107-06-2	M1
1,1-Dichloroethene	ND	ug/L	1.0	0.47	1		04/18/11 22:42	75-35-4	M1
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.37	1		04/18/11 22:42	156-59-2	M1
trans-1,2-Dichloroethene	ND	ug/L	4.0	0.21	1		04/18/11 22:42	156-60-5	M1
Dichlorofluoromethane	ND	ug/L	1.0	0.25	1		04/18/11 22:42	75-43-4	M1
1,2-Dichloropropane	ND	ug/L	4.0	0.41	1		04/18/11 22:42	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.36	1		04/18/11 22:42	142-28-9	M1
2,2-Dichloropropane	ND	ug/L	4.0	0.42	1		04/18/11 22:42	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.46	1		04/18/11 22:42	563-58-6	M1
cis-1,3-Dichloropropene	ND	ug/L	4.0	0.27	1		04/18/11 22:42	10061-01-5	M1
trans-1,3-Dichloropropene	ND	ug/L	4.0	0.18	1		04/18/11 22:42	10061-02-6	M1
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	0.28	1		04/18/11 22:42	60-29-7	M1
Ethylbenzene	ND	ug/L	1.0	0.38	1		04/18/11 22:42	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	0.20	1		04/18/11 22:42	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.36	1		04/18/11 22:42	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.36	1		04/18/11 22:42	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1.1	1		04/18/11 22:42	75-09-2	M1
4-Methyl-2-pentanone (MIBK)	ND	ug/L	4.0	2.0	1		04/18/11 22:42	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.24	1		04/18/11 22:42	1634-04-4	L3,M0
Naphthalene	ND	ug/L	4.0	0.57	1		04/18/11 22:42	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.42	1		04/18/11 22:42	103-65-1	
Styrene	ND	ug/L	1.0	0.35	1		04/18/11 22:42	100-42-5	M1
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.35	1		04/18/11 22:42	630-20-6	M1
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.17	1		04/18/11 22:42	79-34-5	M1
Tetrachloroethene	ND	ug/L	1.0	0.26	1		04/18/11 22:42	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	4.1	1		04/18/11 22:42	109-99-9	M1
Toluene	ND	ug/L	1.0	0.39	1		04/18/11 22:42	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.29	1		04/18/11 22:42	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.33	1		04/18/11 22:42	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.26	1		04/18/11 22:42	71-55-6	M1
1,1,2-Trichloroethane	ND	ug/L	1.0	0.38	1		04/18/11 22:42	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.20	1		04/18/11 22:42	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		04/18/11 22:42	75-69-4	M1
1,2,3-Trichloropropane	ND	ug/L	4.0	0.25	1		04/18/11 22:42	96-18-4	M1
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	0.49	1		04/18/11 22:42	76-13-1	
1,2,4-Trimethylbenzene	**1.8**	ug/L	1.0	0.26	1		04/18/11 22:42	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.38	1		04/18/11 22:42	108-67-8	
Vinyl chloride	ND	ug/L	0.40	0.17	1		04/18/11 22:42	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1.1	1		04/18/11 22:42	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		04/18/11 22:42	179601-23-1	
o-Xylene	**1.4**	ug/L	1.0	0.46	1		04/18/11 22:42	95-47-6	
Dibromofluoromethane (S)	112	%	75-125		1		04/18/11 22:42	1868-53-7	
1,2-Dichloroethane-d4 (S)	113	%	75-125		1		04/18/11 22:42	17060-07-0	
Toluene-d8 (S)	98	%	75-125		1		04/18/11 22:42	2037-26-5	

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ANALYTICAL RESULTS

Project: Superior,Water,Light & Power
Pace Project No.: 10154577

Sample: MW-11 **Lab ID: 10154577007** Collected: 04/14/11 09:00 Received: 04/15/11 07:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260								
4-Bromofluorobenzene (S)	101	%	75-125		1		04/18/11 22:42	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Superior,Water,Light & Power
Pace Project No.: 10154577

Sample: MW-15 **Lab ID: 10154577008** Collected: 04/14/11 11:25 Received: 04/15/11 07:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Acenaphthene	**33.8**	ug/L	0.41	0.20	10	04/19/11 12:32	04/21/11 11:48	83-32-9	
Acenaphthylene	**0.22**	ug/L	0.041	0.020	1	04/19/11 12:32	04/20/11 22:18	208-96-8	
Anthracene	**0.79**	ug/L	0.041	0.020	1	04/19/11 12:32	04/20/11 22:18	120-12-7	
Benzo(a)anthracene	**0.086**	ug/L	0.041	0.020	1	04/19/11 12:32	04/20/11 22:18	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.041	0.020	1	04/19/11 12:32	04/20/11 22:18	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.041	0.020	1	04/19/11 12:32	04/20/11 22:18	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.041	0.020	1	04/19/11 12:32	04/20/11 22:18	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.041	0.020	1	04/19/11 12:32	04/20/11 22:18	207-08-9	
Chrysene	**0.072**	ug/L	0.041	0.020	1	04/19/11 12:32	04/20/11 22:18	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.041	0.020	1	04/19/11 12:32	04/20/11 22:18	53-70-3	
Fluoranthene	**0.68**	ug/L	0.041	0.020	1	04/19/11 12:32	04/20/11 22:18	206-44-0	
Fluorene	**6.7**	ug/L	0.041	0.020	1	04/19/11 12:32	04/20/11 22:18	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.041	0.020	1	04/19/11 12:32	04/20/11 22:18	193-39-5	
Naphthalene	**6.0**	ug/L	0.041	0.020	1	04/19/11 12:32	04/20/11 22:18	91-20-3	
Phenanthrene	**4.7**	ug/L	0.041	0.020	1	04/19/11 12:32	04/20/11 22:18	85-01-8	
Pyrene	**0.81**	ug/L	0.041	0.020	1	04/19/11 12:32	04/20/11 22:18	129-00-0	
2-Fluorobiphenyl (S)	70	%	56-125		1	04/19/11 12:32	04/20/11 22:18	321-60-8	
Terphenyl-d14 (S)	88	%	58-125		1	04/19/11 12:32	04/20/11 22:18	1718-51-0	
8260 VOC	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	1.9	1		04/18/11 23:02	67-64-1	
Allyl chloride	ND	ug/L	4.0	0.51	1		04/18/11 23:02	107-05-1	
Benzene	**83.0**	ug/L	1.0	0.36	1		04/18/11 23:02	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.31	1		04/18/11 23:02	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.22	1		04/18/11 23:02	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.23	1		04/18/11 23:02	75-27-4	
Bromoform	ND	ug/L	4.0	2.0	1		04/18/11 23:02	75-25-2	
Bromomethane	ND	ug/L	4.0	0.36	1		04/18/11 23:02	74-83-9	
2-Butanone (MEK)	ND	ug/L	4.0	1.3	1		04/18/11 23:02	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	0.38	1		04/18/11 23:02	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.37	1		04/18/11 23:02	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.47	1		04/18/11 23:02	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	0.38	1		04/18/11 23:02	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.33	1		04/18/11 23:02	108-90-7	
Chloroethane	ND	ug/L	1.0	0.32	1		04/18/11 23:02	75-00-3	
Chloroform	ND	ug/L	1.0	0.34	1		04/18/11 23:02	67-66-3	
Chloromethane	ND	ug/L	4.0	0.36	1		04/18/11 23:02	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.37	1		04/18/11 23:02	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.29	1		04/18/11 23:02	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1.2	1		04/18/11 23:02	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		04/18/11 23:02	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.26	1		04/18/11 23:02	106-93-4	
Dibromomethane	ND	ug/L	4.0	0.48	1		04/18/11 23:02	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.31	1		04/18/11 23:02	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.40	1		04/18/11 23:02	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.34	1		04/18/11 23:02	106-46-7	

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ANALYTICAL RESULTS

Project: Superior,Water,Light & Power
Pace Project No.: 10154577

Sample: MW-15 **Lab ID: 10154577008** Collected: 04/14/11 11:25 Received: 04/15/11 07:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260								
Dichlorodifluoromethane	ND	ug/L	1.0	0.23	1		04/18/11 23:02	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.23	1		04/18/11 23:02	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.23	1		04/18/11 23:02	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.47	1		04/18/11 23:02	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.37	1		04/18/11 23:02	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	4.0	0.21	1		04/18/11 23:02	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	0.25	1		04/18/11 23:02	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	0.41	1		04/18/11 23:02	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.36	1		04/18/11 23:02	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	0.42	1		04/18/11 23:02	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.46	1		04/18/11 23:02	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	0.27	1		04/18/11 23:02	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	0.18	1		04/18/11 23:02	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	0.28	1		04/18/11 23:02	60-29-7	
Ethylbenzene	**3.5**	ug/L	1.0	0.38	1		04/18/11 23:02	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	0.20	1		04/18/11 23:02	87-68-3	
Isopropylbenzene (Cumene)	**2.2**	ug/L	1.0	0.36	1		04/18/11 23:02	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.36	1		04/18/11 23:02	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1.1	1		04/18/11 23:02	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	4.0	2.0	1		04/18/11 23:02	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.24	1		04/18/11 23:02	1634-04-4	L3
Naphthalene	**12.7**	ug/L	4.0	0.57	1		04/18/11 23:02	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.42	1		04/18/11 23:02	103-65-1	
Styrene	ND	ug/L	1.0	0.35	1		04/18/11 23:02	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.35	1		04/18/11 23:02	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.17	1		04/18/11 23:02	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.26	1		04/18/11 23:02	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	4.1	1		04/18/11 23:02	109-99-9	
Toluene	ND	ug/L	1.0	0.39	1		04/18/11 23:02	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.29	1		04/18/11 23:02	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.33	1		04/18/11 23:02	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.26	1		04/18/11 23:02	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.38	1		04/18/11 23:02	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.20	1		04/18/11 23:02	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		04/18/11 23:02	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	0.25	1		04/18/11 23:02	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	0.49	1		04/18/11 23:02	76-13-1	
1,2,4-Trimethylbenzene	**9.5**	ug/L	1.0	0.26	1		04/18/11 23:02	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.38	1		04/18/11 23:02	108-67-8	
Vinyl chloride	ND	ug/L	0.40	0.17	1		04/18/11 23:02	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1.1	1		04/18/11 23:02	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		04/18/11 23:02	179601-23-1	
o-Xylene	**1.1**	ug/L	1.0	0.46	1		04/18/11 23:02	95-47-6	
Dibromofluoromethane (S)	107	%	75-125		1		04/18/11 23:02	1868-53-7	
1,2-Dichloroethane-d4 (S)	110	%	75-125		1		04/18/11 23:02	17060-07-0	
Toluene-d8 (S)	97	%	75-125		1		04/18/11 23:02	2037-26-5	

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ANALYTICAL RESULTS

Project: Superior,Water,Light & Power
Pace Project No.: 10154577

Sample: MW-15 **Lab ID: 10154577008** Collected: 04/14/11 11:25 Received: 04/15/11 07:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260								
4-Bromofluorobenzene (S)	102	%	75-125		1		04/18/11 23:02	460-00-4	

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ANALYTICAL RESULTS

Project: Superior,Water,Light & Power
Pace Project No.: 10154577

Sample: MW-20 **Lab ID: 10154577009** Collected: 04/14/11 10:40 Received: 04/15/11 07:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Acenaphthene	**23.7**	ug/L	0.20	0.10	5	04/19/11 12:32	04/21/11 11:28	83-32-9	
Acenaphthylene	**0.13**	ug/L	0.041	0.020	1	04/19/11 12:32	04/20/11 22:38	208-96-8	
Anthracene	**0.24**	ug/L	0.041	0.020	1	04/19/11 12:32	04/20/11 22:38	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.041	0.020	1	04/19/11 12:32	04/20/11 22:38	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.041	0.020	1	04/19/11 12:32	04/20/11 22:38	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.041	0.020	1	04/19/11 12:32	04/20/11 22:38	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.041	0.020	1	04/19/11 12:32	04/20/11 22:38	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.041	0.020	1	04/19/11 12:32	04/20/11 22:38	207-08-9	
Chrysene	ND	ug/L	0.041	0.020	1	04/19/11 12:32	04/20/11 22:38	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.041	0.020	1	04/19/11 12:32	04/20/11 22:38	53-70-3	
Fluoranthene	**0.27**	ug/L	0.041	0.020	1	04/19/11 12:32	04/20/11 22:38	206-44-0	
Fluorene	**1.9**	ug/L	0.041	0.020	1	04/19/11 12:32	04/20/11 22:38	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.041	0.020	1	04/19/11 12:32	04/20/11 22:38	193-39-5	
Naphthalene	**3.2**	ug/L	0.041	0.020	1	04/19/11 12:32	04/20/11 22:38	91-20-3	
Phenanthrene	**1.3**	ug/L	0.041	0.020	1	04/19/11 12:32	04/20/11 22:38	85-01-8	
Pyrene	**0.21**	ug/L	0.041	0.020	1	04/19/11 12:32	04/20/11 22:38	129-00-0	
2-Fluorobiphenyl (S)	74	%	56-125		1	04/19/11 12:32	04/20/11 22:38	321-60-8	
Terphenyl-d14 (S)	90	%	58-125		1	04/19/11 12:32	04/20/11 22:38	1718-51-0	
8260 VOC	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	1.9	1		04/19/11 13:02	67-64-1	
Allyl chloride	ND	ug/L	4.0	0.51	1		04/19/11 13:02	107-05-1	
Benzene	**106**	ug/L	1.0	0.36	1		04/19/11 13:02	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.31	1		04/19/11 13:02	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.22	1		04/19/11 13:02	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.23	1		04/19/11 13:02	75-27-4	
Bromoform	ND	ug/L	4.0	2.0	1		04/19/11 13:02	75-25-2	
Bromomethane	ND	ug/L	4.0	0.36	1		04/19/11 13:02	74-83-9	
2-Butanone (MEK)	ND	ug/L	4.0	1.3	1		04/19/11 13:02	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	0.38	1		04/19/11 13:02	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.37	1		04/19/11 13:02	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.47	1		04/19/11 13:02	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	0.38	1		04/19/11 13:02	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.33	1		04/19/11 13:02	108-90-7	
Chloroethane	ND	ug/L	1.0	0.32	1		04/19/11 13:02	75-00-3	
Chloroform	ND	ug/L	1.0	0.34	1		04/19/11 13:02	67-66-3	
Chloromethane	ND	ug/L	4.0	0.36	1		04/19/11 13:02	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.37	1		04/19/11 13:02	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.29	1		04/19/11 13:02	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1.2	1		04/19/11 13:02	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		04/19/11 13:02	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.26	1		04/19/11 13:02	106-93-4	
Dibromomethane	ND	ug/L	4.0	0.48	1		04/19/11 13:02	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.31	1		04/19/11 13:02	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.40	1		04/19/11 13:02	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.34	1		04/19/11 13:02	106-46-7	

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ANALYTICAL RESULTS

Project: Superior,Water,Light & Power
Pace Project No.: 10154577

Sample: MW-20 **Lab ID: 10154577009** Collected: 04/14/11 10:40 Received: 04/15/11 07:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260								
Dichlorodifluoromethane	ND	ug/L	1.0	0.23	1		04/19/11 13:02	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.23	1		04/19/11 13:02	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.23	1		04/19/11 13:02	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.47	1		04/19/11 13:02	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.37	1		04/19/11 13:02	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	4.0	0.21	1		04/19/11 13:02	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	0.25	1		04/19/11 13:02	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	0.41	1		04/19/11 13:02	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.36	1		04/19/11 13:02	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	0.42	1		04/19/11 13:02	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.46	1		04/19/11 13:02	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	0.27	1		04/19/11 13:02	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	0.18	1		04/19/11 13:02	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	0.28	1		04/19/11 13:02	60-29-7	
Ethylbenzene	**1.1**	ug/L	1.0	0.38	1		04/19/11 13:02	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	0.20	1		04/19/11 13:02	87-68-3	
Isopropylbenzene (Cumene)	**1.7**	ug/L	1.0	0.36	1		04/19/11 13:02	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.36	1		04/19/11 13:02	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1.1	1		04/19/11 13:02	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	4.0	2.0	1		04/19/11 13:02	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.24	1		04/19/11 13:02	1634-04-4	
Naphthalene	**4.9**	ug/L	4.0	0.57	1		04/19/11 13:02	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.42	1		04/19/11 13:02	103-65-1	
Styrene	ND	ug/L	1.0	0.35	1		04/19/11 13:02	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.35	1		04/19/11 13:02	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.17	1		04/19/11 13:02	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.26	1		04/19/11 13:02	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	4.1	1		04/19/11 13:02	109-99-9	
Toluene	ND	ug/L	1.0	0.39	1		04/19/11 13:02	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.29	1		04/19/11 13:02	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.33	1		04/19/11 13:02	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.26	1		04/19/11 13:02	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.38	1		04/19/11 13:02	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.20	1		04/19/11 13:02	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		04/19/11 13:02	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	0.25	1		04/19/11 13:02	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	0.49	1		04/19/11 13:02	76-13-1	
1,2,4-Trimethylbenzene	**8.0**	ug/L	1.0	0.26	1		04/19/11 13:02	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.38	1		04/19/11 13:02	108-67-8	
Vinyl chloride	ND	ug/L	0.40	0.17	1		04/19/11 13:02	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1.1	1		04/19/11 13:02	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		04/19/11 13:02	179601-23-1	
o-Xylene	**1.8**	ug/L	1.0	0.46	1		04/19/11 13:02	95-47-6	
Dibromofluoromethane (S)	112	%	75-125		1		04/19/11 13:02	1868-53-7	
1,2-Dichloroethane-d4 (S)	113	%	75-125		1		04/19/11 13:02	17060-07-0	
Toluene-d8 (S)	94	%	75-125		1		04/19/11 13:02	2037-26-5	

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ANALYTICAL RESULTS

Project: Superior,Water,Light & Power
Pace Project No.: 10154577

Sample: MW-20 **Lab ID: 10154577009** Collected: 04/14/11 10:40 Received: 04/15/11 07:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260								
4-Bromofluorobenzene (S)	104	%	75-125		1		04/19/11 13:02	460-00-4	

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ANALYTICAL RESULTS

Project: Superior,Water,Light & Power
Pace Project No.: 10154577

Sample: MW-22 **Lab ID: 10154577010** Collected: 04/14/11 14:45 Received: 04/15/11 07:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Acenaphthene	**0.11**	ug/L	0.041	0.020	1	04/19/11 12:32	04/20/11 22:58	83-32-9	
Acenaphthylene	ND	ug/L	0.041	0.020	1	04/19/11 12:32	04/20/11 22:58	208-96-8	
Anthracene	ND	ug/L	0.041	0.020	1	04/19/11 12:32	04/20/11 22:58	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.041	0.020	1	04/19/11 12:32	04/20/11 22:58	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.041	0.020	1	04/19/11 12:32	04/20/11 22:58	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.041	0.020	1	04/19/11 12:32	04/20/11 22:58	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.041	0.020	1	04/19/11 12:32	04/20/11 22:58	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.041	0.020	1	04/19/11 12:32	04/20/11 22:58	207-08-9	
Chrysene	ND	ug/L	0.041	0.020	1	04/19/11 12:32	04/20/11 22:58	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.041	0.020	1	04/19/11 12:32	04/20/11 22:58	53-70-3	
Fluoranthene	ND	ug/L	0.041	0.020	1	04/19/11 12:32	04/20/11 22:58	206-44-0	
Fluorene	ND	ug/L	0.041	0.020	1	04/19/11 12:32	04/20/11 22:58	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.041	0.020	1	04/19/11 12:32	04/20/11 22:58	193-39-5	
Naphthalene	**0.52**	ug/L	0.041	0.020	1	04/19/11 12:32	04/20/11 22:58	91-20-3	
Phenanthrene	**0.047**	ug/L	0.041	0.020	1	04/19/11 12:32	04/20/11 22:58	85-01-8	
Pyrene	ND	ug/L	0.041	0.020	1	04/19/11 12:32	04/20/11 22:58	129-00-0	
2-Fluorobiphenyl (S)	70	%	56-125		1	04/19/11 12:32	04/20/11 22:58	321-60-8	
Terphenyl-d14 (S)	92	%	58-125		1	04/19/11 12:32	04/20/11 22:58	1718-51-0	
8260 VOC	Analytical Method: EPA 8260								
Acetone	**97.3**	ug/L	25.0	1.9	1		04/19/11 00:48	67-64-1	
Allyl chloride	ND	ug/L	4.0	0.51	1		04/19/11 00:48	107-05-1	
Benzene	**4.9**	ug/L	1.0	0.36	1		04/19/11 00:48	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.31	1		04/19/11 00:48	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.22	1		04/19/11 00:48	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.23	1		04/19/11 00:48	75-27-4	
Bromoform	ND	ug/L	4.0	2.0	1		04/19/11 00:48	75-25-2	
Bromomethane	ND	ug/L	4.0	0.36	1		04/19/11 00:48	74-83-9	
2-Butanone (MEK)	**5.0**	ug/L	4.0	1.3	1		04/19/11 00:48	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	0.38	1		04/19/11 00:48	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.37	1		04/19/11 00:48	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.47	1		04/19/11 00:48	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	0.38	1		04/19/11 00:48	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.33	1		04/19/11 00:48	108-90-7	
Chloroethane	ND	ug/L	1.0	0.32	1		04/19/11 00:48	75-00-3	
Chloroform	ND	ug/L	1.0	0.34	1		04/19/11 00:48	67-66-3	
Chloromethane	ND	ug/L	4.0	0.36	1		04/19/11 00:48	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.37	1		04/19/11 00:48	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.29	1		04/19/11 00:48	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1.2	1		04/19/11 00:48	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		04/19/11 00:48	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.26	1		04/19/11 00:48	106-93-4	
Dibromomethane	ND	ug/L	4.0	0.48	1		04/19/11 00:48	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.31	1		04/19/11 00:48	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.40	1		04/19/11 00:48	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.34	1		04/19/11 00:48	106-46-7	

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ANALYTICAL RESULTS

Project: Superior,Water,Light & Power
Pace Project No.: 10154577

Sample: MW-22 **Lab ID: 10154577010** Collected: 04/14/11 14:45 Received: 04/15/11 07:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260								
Dichlorodifluoromethane	ND	ug/L	1.0	0.23	1		04/19/11 00:48	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.23	1		04/19/11 00:48	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.23	1		04/19/11 00:48	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.47	1		04/19/11 00:48	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.37	1		04/19/11 00:48	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	4.0	0.21	1		04/19/11 00:48	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	0.25	1		04/19/11 00:48	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	0.41	1		04/19/11 00:48	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.36	1		04/19/11 00:48	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	0.42	1		04/19/11 00:48	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.46	1		04/19/11 00:48	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	0.27	1		04/19/11 00:48	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	0.18	1		04/19/11 00:48	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	0.28	1		04/19/11 00:48	60-29-7	
Ethylbenzene	ND	ug/L	1.0	0.38	1		04/19/11 00:48	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	0.20	1		04/19/11 00:48	87-68-3	
Isopropylbenzene (Cumene)	**1.2**	ug/L	1.0	0.36	1		04/19/11 00:48	98-82-8	
p-Isopropyltoluene	**1.3**	ug/L	1.0	0.36	1		04/19/11 00:48	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1.1	1		04/19/11 00:48	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	4.0	2.0	1		04/19/11 00:48	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.24	1		04/19/11 00:48	1634-04-4	L3
Naphthalene	ND	ug/L	4.0	0.57	1		04/19/11 00:48	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.42	1		04/19/11 00:48	103-65-1	
Styrene	ND	ug/L	1.0	0.35	1		04/19/11 00:48	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.35	1		04/19/11 00:48	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.17	1		04/19/11 00:48	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.26	1		04/19/11 00:48	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	4.1	1		04/19/11 00:48	109-99-9	
Toluene	**1.4**	ug/L	1.0	0.39	1		04/19/11 00:48	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.29	1		04/19/11 00:48	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.33	1		04/19/11 00:48	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.26	1		04/19/11 00:48	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.38	1		04/19/11 00:48	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.20	1		04/19/11 00:48	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		04/19/11 00:48	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	0.25	1		04/19/11 00:48	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	0.49	1		04/19/11 00:48	76-13-1	
1,2,4-Trimethylbenzene	**10.3**	ug/L	1.0	0.26	1		04/19/11 00:48	95-63-6	
1,3,5-Trimethylbenzene	**5.8**	ug/L	1.0	0.38	1		04/19/11 00:48	108-67-8	
Vinyl chloride	ND	ug/L	0.40	0.17	1		04/19/11 00:48	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1.1	1		04/19/11 00:48	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		04/19/11 00:48	179601-23-1	
o-Xylene	**1.9**	ug/L	1.0	0.46	1		04/19/11 00:48	95-47-6	
Dibromofluoromethane (S)	112	%	75-125		1		04/19/11 00:48	1868-53-7	
1,2-Dichloroethane-d4 (S)	110	%	75-125		1		04/19/11 00:48	17060-07-0	
Toluene-d8 (S)	96	%	75-125		1		04/19/11 00:48	2037-26-5	

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ANALYTICAL RESULTS

Project: Superior,Water,Light & Power
Pace Project No.: 10154577

Sample: MW-22 **Lab ID: 10154577010** Collected: 04/14/11 14:45 Received: 04/15/11 07:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260								
4-Bromofluorobenzene (S)	100	%	75-125		1		04/19/11 00:48	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Superior,Water,Light & Power
Pace Project No.: 10154577

Sample: DUP-1 **Lab ID: 10154577011** Collected: 04/13/11 00:00 Received: 04/15/11 07:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Acenaphthene	**2.1**	ug/L	0.041	0.021	1	04/19/11 12:32	04/20/11 23:18	83-32-9	
Acenaphthylene	**0.96**	ug/L	0.041	0.021	1	04/19/11 12:32	04/20/11 23:18	208-96-8	
Anthracene	**0.54**	ug/L	0.041	0.021	1	04/19/11 12:32	04/20/11 23:18	120-12-7	
Benzo(a)anthracene	**0.42**	ug/L	0.041	0.021	1	04/19/11 12:32	04/20/11 23:18	56-55-3	
Benzo(a)pyrene	**0.53**	ug/L	0.041	0.021	1	04/19/11 12:32	04/20/11 23:18	50-32-8	
Benzo(b)fluoranthene	**0.54**	ug/L	0.041	0.021	1	04/19/11 12:32	04/20/11 23:18	205-99-2	
Benzo(g,h,i)perylene	**0.47**	ug/L	0.041	0.021	1	04/19/11 12:32	04/20/11 23:18	191-24-2	
Benzo(k)fluoranthene	**0.19**	ug/L	0.041	0.021	1	04/19/11 12:32	04/20/11 23:18	207-08-9	
Chrysene	**0.49**	ug/L	0.041	0.021	1	04/19/11 12:32	04/20/11 23:18	218-01-9	
Dibenz(a,h)anthracene	**0.084**	ug/L	0.041	0.021	1	04/19/11 12:32	04/20/11 23:18	53-70-3	
Fluoranthene	**0.90**	ug/L	0.041	0.021	1	04/19/11 12:32	04/20/11 23:18	206-44-0	
Fluorene	**1.4**	ug/L	0.041	0.021	1	04/19/11 12:32	04/20/11 23:18	86-73-7	
Indeno(1,2,3-cd)pyrene	**0.30**	ug/L	0.041	0.021	1	04/19/11 12:32	04/20/11 23:18	193-39-5	
Naphthalene	**201**	ug/L	4.1	2.1	100	04/19/11 12:32	04/21/11 13:30	91-20-3	
Phenanthrene	**1.7**	ug/L	0.041	0.021	1	04/19/11 12:32	04/20/11 23:18	85-01-8	
Pyrene	**1.6**	ug/L	0.041	0.021	1	04/19/11 12:32	04/20/11 23:18	129-00-0	
2-Fluorobiphenyl (S)	43	%	56-125		1	04/19/11 12:32	04/20/11 23:18	321-60-8	1M
Terphenyl-d14 (S)	37	%	58-125		1	04/19/11 12:32	04/20/11 23:18	1718-51-0	1M
8260 VOC	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25000	1900	1000		04/19/11 03:37	67-64-1	
Allyl chloride	ND	ug/L	4000	510	1000		04/19/11 03:37	107-05-1	
Benzene	**209000**	ug/L	1000	360	1000		04/19/11 03:37	71-43-2	
Bromobenzene	ND	ug/L	1000	310	1000		04/19/11 03:37	108-86-1	
Bromochloromethane	ND	ug/L	1000	220	1000		04/19/11 03:37	74-97-5	
Bromodichloromethane	ND	ug/L	1000	230	1000		04/19/11 03:37	75-27-4	
Bromoform	ND	ug/L	4000	2000	1000		04/19/11 03:37	75-25-2	
Bromomethane	ND	ug/L	4000	360	1000		04/19/11 03:37	74-83-9	
2-Butanone (MEK)	ND	ug/L	4000	1270	1000		04/19/11 03:37	78-93-3	
n-Butylbenzene	ND	ug/L	1000	380	1000		04/19/11 03:37	104-51-8	
sec-Butylbenzene	ND	ug/L	1000	370	1000		04/19/11 03:37	135-98-8	
tert-Butylbenzene	ND	ug/L	1000	470	1000		04/19/11 03:37	98-06-6	
Carbon tetrachloride	ND	ug/L	1000	380	1000		04/19/11 03:37	56-23-5	
Chlorobenzene	ND	ug/L	1000	330	1000		04/19/11 03:37	108-90-7	
Chloroethane	ND	ug/L	1000	320	1000		04/19/11 03:37	75-00-3	
Chloroform	ND	ug/L	1000	340	1000		04/19/11 03:37	67-66-3	
Chloromethane	ND	ug/L	4000	360	1000		04/19/11 03:37	74-87-3	
2-Chlorotoluene	ND	ug/L	1000	370	1000		04/19/11 03:37	95-49-8	
4-Chlorotoluene	ND	ug/L	1000	290	1000		04/19/11 03:37	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4000	1230	1000		04/19/11 03:37	96-12-8	
Dibromochloromethane	ND	ug/L	1000	360	1000		04/19/11 03:37	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1000	260	1000		04/19/11 03:37	106-93-4	
Dibromomethane	ND	ug/L	4000	480	1000		04/19/11 03:37	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1000	310	1000		04/19/11 03:37	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1000	400	1000		04/19/11 03:37	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1000	340	1000		04/19/11 03:37	106-46-7	

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ANALYTICAL RESULTS

Project: Superior,Water,Light & Power
Pace Project No.: 10154577

Sample: DUP-1 **Lab ID: 10154577011** Collected: 04/13/11 00:00 Received: 04/15/11 07:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260								
Dichlorodifluoromethane	ND	ug/L	1000	230	1000		04/19/11 03:37	75-71-8	
1,1-Dichloroethane	ND	ug/L	1000	230	1000		04/19/11 03:37	75-34-3	
1,2-Dichloroethane	ND	ug/L	1000	230	1000		04/19/11 03:37	107-06-2	
1,1-Dichloroethene	ND	ug/L	1000	470	1000		04/19/11 03:37	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1000	370	1000		04/19/11 03:37	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	4000	210	1000		04/19/11 03:37	156-60-5	
Dichlorofluoromethane	ND	ug/L	1000	250	1000		04/19/11 03:37	75-43-4	
1,2-Dichloropropane	ND	ug/L	4000	410	1000		04/19/11 03:37	78-87-5	
1,3-Dichloropropane	ND	ug/L	1000	360	1000		04/19/11 03:37	142-28-9	
2,2-Dichloropropane	ND	ug/L	4000	420	1000		04/19/11 03:37	594-20-7	
1,1-Dichloropropene	ND	ug/L	1000	460	1000		04/19/11 03:37	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4000	270	1000		04/19/11 03:37	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4000	180	1000		04/19/11 03:37	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4000	280	1000		04/19/11 03:37	60-29-7	
Ethylbenzene	**4230**	ug/L	1000	380	1000		04/19/11 03:37	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	5000	200	1000		04/19/11 03:37	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1000	360	1000		04/19/11 03:37	98-82-8	
p-Isopropyltoluene	ND	ug/L	1000	360	1000		04/19/11 03:37	99-87-6	
Methylene Chloride	ND	ug/L	4000	1070	1000		04/19/11 03:37	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	4000	2000	1000		04/19/11 03:37	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1000	240	1000		04/19/11 03:37	1634-04-4	L3
Naphthalene	ND	ug/L	4000	570	1000		04/19/11 03:37	91-20-3	
n-Propylbenzene	ND	ug/L	1000	420	1000		04/19/11 03:37	103-65-1	
Styrene	ND	ug/L	1000	350	1000		04/19/11 03:37	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1000	350	1000		04/19/11 03:37	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1000	170	1000		04/19/11 03:37	79-34-5	
Tetrachloroethene	ND	ug/L	1000	260	1000		04/19/11 03:37	127-18-4	
Tetrahydrofuran	ND	ug/L	10000	4100	1000		04/19/11 03:37	109-99-9	
Toluene	**109000**	ug/L	1000	390	1000		04/19/11 03:37	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1000	290	1000		04/19/11 03:37	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1000	330	1000		04/19/11 03:37	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1000	260	1000		04/19/11 03:37	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1000	380	1000		04/19/11 03:37	79-00-5	
Trichloroethene	ND	ug/L	1000	200	1000		04/19/11 03:37	79-01-6	
Trichlorofluoromethane	ND	ug/L	1000	300	1000		04/19/11 03:37	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4000	250	1000		04/19/11 03:37	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1000	490	1000		04/19/11 03:37	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1000	260	1000		04/19/11 03:37	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1000	380	1000		04/19/11 03:37	108-67-8	
Vinyl chloride	ND	ug/L	400	170	1000		04/19/11 03:37	75-01-4	
Xylene (Total)	**21100**	ug/L	3000	1120	1000		04/19/11 03:37	1330-20-7	
m&p-Xylene	**16800**	ug/L	2000	660	1000		04/19/11 03:37	179601-23-1	
o-Xylene	**4320**	ug/L	1000	460	1000		04/19/11 03:37	95-47-6	
Dibromofluoromethane (S)	109	%	75-125		1000		04/19/11 03:37	1868-53-7	
1,2-Dichloroethane-d4 (S)	109	%	75-125		1000		04/19/11 03:37	17060-07-0	
Toluene-d8 (S)	93	%	75-125		1000		04/19/11 03:37	2037-26-5	

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ANALYTICAL RESULTS

Project: Superior,Water,Light & Power
Pace Project No.: 10154577

Sample: DUP-1 **Lab ID: 10154577011** Collected: 04/13/11 00:00 Received: 04/15/11 07:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260								
4-Bromofluorobenzene (S)	102	%	75-125		1000		04/19/11 03:37	460-00-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
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ANALYTICAL RESULTS

Project: Superior,Water,Light & Power
Pace Project No.: 10154577

Sample: Trip Blank **Lab ID: 10154577012** Collected: 04/13/11 00:00 Received: 04/15/11 07:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	1.9	1		04/18/11 21:59	67-64-1	
Allyl chloride	ND	ug/L	4.0	0.51	1		04/18/11 21:59	107-05-1	
Benzene	ND	ug/L	1.0	0.36	1		04/18/11 21:59	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.31	1		04/18/11 21:59	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.22	1		04/18/11 21:59	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.23	1		04/18/11 21:59	75-27-4	
Bromoform	ND	ug/L	4.0	2.0	1		04/18/11 21:59	75-25-2	
Bromomethane	ND	ug/L	4.0	0.36	1		04/18/11 21:59	74-83-9	
2-Butanone (MEK)	ND	ug/L	4.0	1.3	1		04/18/11 21:59	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	0.38	1		04/18/11 21:59	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.37	1		04/18/11 21:59	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.47	1		04/18/11 21:59	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	0.38	1		04/18/11 21:59	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.33	1		04/18/11 21:59	108-90-7	
Chloroethane	ND	ug/L	1.0	0.32	1		04/18/11 21:59	75-00-3	
Chloroform	ND	ug/L	1.0	0.34	1		04/18/11 21:59	67-66-3	
Chloromethane	ND	ug/L	4.0	0.36	1		04/18/11 21:59	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.37	1		04/18/11 21:59	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.29	1		04/18/11 21:59	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1.2	1		04/18/11 21:59	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		04/18/11 21:59	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.26	1		04/18/11 21:59	106-93-4	
Dibromomethane	ND	ug/L	4.0	0.48	1		04/18/11 21:59	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.31	1		04/18/11 21:59	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.40	1		04/18/11 21:59	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.34	1		04/18/11 21:59	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.23	1		04/18/11 21:59	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.23	1		04/18/11 21:59	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.23	1		04/18/11 21:59	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.47	1		04/18/11 21:59	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.37	1		04/18/11 21:59	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	4.0	0.21	1		04/18/11 21:59	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	0.25	1		04/18/11 21:59	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	0.41	1		04/18/11 21:59	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.36	1		04/18/11 21:59	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	0.42	1		04/18/11 21:59	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.46	1		04/18/11 21:59	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	0.27	1		04/18/11 21:59	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	0.18	1		04/18/11 21:59	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	0.28	1		04/18/11 21:59	60-29-7	
Ethylbenzene	ND	ug/L	1.0	0.38	1		04/18/11 21:59	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	0.20	1		04/18/11 21:59	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.36	1		04/18/11 21:59	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.36	1		04/18/11 21:59	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1.1	1		04/18/11 21:59	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	4.0	2.0	1		04/18/11 21:59	108-10-1	

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ANALYTICAL RESULTS

Project: Superior,Water,Light & Power
Pace Project No.: 10154577

Sample: Trip Blank **Lab ID: 10154577012** Collected: 04/13/11 00:00 Received: 04/15/11 07:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260								
Methyl-tert-butyl ether	ND	ug/L	1.0	0.24	1		04/18/11 21:59	1634-04-4	L3
Naphthalene	ND	ug/L	4.0	0.57	1		04/18/11 21:59	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.42	1		04/18/11 21:59	103-65-1	
Styrene	ND	ug/L	1.0	0.35	1		04/18/11 21:59	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.35	1		04/18/11 21:59	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.17	1		04/18/11 21:59	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.26	1		04/18/11 21:59	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	4.1	1		04/18/11 21:59	109-99-9	
Toluene	ND	ug/L	1.0	0.39	1		04/18/11 21:59	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.29	1		04/18/11 21:59	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.33	1		04/18/11 21:59	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.26	1		04/18/11 21:59	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.38	1		04/18/11 21:59	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.20	1		04/18/11 21:59	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		04/18/11 21:59	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	0.25	1		04/18/11 21:59	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	0.49	1		04/18/11 21:59	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.26	1		04/18/11 21:59	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.38	1		04/18/11 21:59	108-67-8	
Vinyl chloride	ND	ug/L	0.40	0.17	1		04/18/11 21:59	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1.1	1		04/18/11 21:59	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		04/18/11 21:59	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.46	1		04/18/11 21:59	95-47-6	
Dibromofluoromethane (S)	113	%	75-125		1		04/18/11 21:59	1868-53-7	
1,2-Dichloroethane-d4 (S)	112	%	75-125		1		04/18/11 21:59	17060-07-0	
Toluene-d8 (S)	96	%	75-125		1		04/18/11 21:59	2037-26-5	
4-Bromofluorobenzene (S)	102	%	75-125		1		04/18/11 21:59	460-00-4	

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QUALITY CONTROL DATA

Project: Superior,Water,Light & Power
Pace Project No.: 10154577

QC Batch: OEXT/15323 Analysis Method: EPA 8270 by SIM
QC Batch Method: EPA 3510 Analysis Description: 8270 Water PAH by SIM MSSV
Associated Lab Samples: 10154577001, 10154577002, 10154577003, 10154577004, 10154577005, 10154577006, 10154577007, 10154577008, 10154577009, 10154577010, 10154577011

METHOD BLANK: 961480 Matrix: Water
Associated Lab Samples: 10154577001, 10154577002, 10154577003, 10154577004, 10154577005, 10154577006, 10154577007, 10154577008, 10154577009, 10154577010, 10154577011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Acenaphthene	ug/L	ND	0.040	04/20/11 12:17	
Acenaphthylene	ug/L	ND	0.040	04/20/11 12:17	
Anthracene	ug/L	ND	0.040	04/20/11 12:17	
Benzo(a)anthracene	ug/L	ND	0.040	04/20/11 12:17	
Benzo(a)pyrene	ug/L	ND	0.040	04/20/11 12:17	
Benzo(b)fluoranthene	ug/L	ND	0.040	04/20/11 12:17	
Benzo(g,h,i)perylene	ug/L	ND	0.040	04/20/11 12:17	
Benzo(k)fluoranthene	ug/L	ND	0.040	04/20/11 12:17	
Chrysene	ug/L	ND	0.040	04/20/11 12:17	
Dibenz(a,h)anthracene	ug/L	ND	0.040	04/20/11 12:17	
Fluoranthene	ug/L	ND	0.040	04/20/11 12:17	
Fluorene	ug/L	ND	0.040	04/20/11 12:17	
Indeno(1,2,3-cd)pyrene	ug/L	ND	0.040	04/20/11 12:17	
Naphthalene	ug/L	ND	0.040	04/20/11 12:17	
Phenanthrene	ug/L	ND	0.040	04/20/11 12:17	
Pyrene	ug/L	ND	0.040	04/20/11 12:17	
2-Fluorobiphenyl (S)	%	69	56-125	04/20/11 12:17	
Terphenyl-d14 (S)	%	95	58-125	04/20/11 12:17	

LABORATORY CONTROL SAMPLE: 961481

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Acenaphthene	ug/L	1	0.63	63	56-125	
Acenaphthylene	ug/L	1	0.67	67	55-125	
Anthracene	ug/L	1	0.84	84	62-125	
Benzo(a)anthracene	ug/L	1	0.88	88	56-125	
Benzo(a)pyrene	ug/L	1	0.92	92	64-125	
Benzo(b)fluoranthene	ug/L	1	0.99	99	53-125	
Benzo(g,h,i)perylene	ug/L	1	0.77	77	38-125	
Benzo(k)fluoranthene	ug/L	1	0.78	78	59-125	
Chrysene	ug/L	1	0.84	84	64-125	
Dibenz(a,h)anthracene	ug/L	1	0.82	82	40-125	
Fluoranthene	ug/L	1	0.87	87	60-125	
Fluorene	ug/L	1	0.70	70	59-125	
Indeno(1,2,3-cd)pyrene	ug/L	1	0.81	81	42-125	
Naphthalene	ug/L	1	0.63	63	52-125	
Phenanthrene	ug/L	1	0.77	77	54-125	
Pyrene	ug/L	1	0.89	89	66-125	
2-Fluorobiphenyl (S)	%			67	56-125	
Terphenyl-d14 (S)	%			96	58-125	

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QUALITY CONTROL DATA

Project: Superior,Water,Light & Power
Pace Project No.: 10154577

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 961482 961483

Parameter	Units	10154822001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Acenaphthene	ug/L	ND	1.1	1.1	0.86	0.75	77	71	46-125	15	30	
Acenaphthylene	ug/L	ND	1.1	1.1	0.92	0.79	82	75	46-125	15	30	
Anthracene	ug/L	ND	1.1	1.1	0.96	0.88	86	84	48-125	9	30	
Benzo(a)anthracene	ug/L	ND	1.1	1.1	0.95	0.89	85	85	47-125	7	30	
Benzo(a)pyrene	ug/L	ND	1.1	1.1	1.0	0.94	90	89	59-125	7	30	
Benzo(b)fluoranthene	ug/L	ND	1.1	1.1	1.0	0.88	91	84	40-125	14	30	
Benzo(g,h,i)perylene	ug/L	ND	1.1	1.1	0.87	0.81	77	77	38-125	7	30	
Benzo(k)fluoranthene	ug/L	ND	1.1	1.1	0.90	0.88	81	83	46-125	3	30	
Chrysene	ug/L	ND	1.1	1.1	0.94	0.85	84	81	56-125	11	30	
Dibenz(a,h)anthracene	ug/L	ND	1.1	1.1	0.92	0.86	82	81	30-125	7	30	
Fluoranthene	ug/L	ND	1.1	1.1	0.96	0.89	85	84	46-125	8	30	
Fluorene	ug/L	ND	1.1	1.1	0.89	0.79	80	75	48-125	13	30	
Indeno(1,2,3-cd)pyrene	ug/L	ND	1.1	1.1	0.91	0.84	81	80	32-125	8	30	
Naphthalene	ug/L	ND	1.1	1.1	0.83	0.73	74	69	44-125	14	30	
Phenanthrene	ug/L	ND	1.1	1.1	0.91	0.82	81	78	47-125	10	30	
Pyrene	ug/L	ND	1.1	1.1	0.98	0.90	87	85	55-125	8	30	
2-Fluorobiphenyl (S)	%						83	77	56-125			
Terphenyl-d14 (S)	%						92	91	58-125			

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QUALITY CONTROL DATA

Project: Superior,Water,Light & Power
Pace Project No.: 10154577

QC Batch: MSV/16718 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 465 W
Associated Lab Samples: 10154577001, 10154577002, 10154577003, 10154577005, 10154577007, 10154577008, 10154577010, 10154577011, 10154577012

METHOD BLANK: 960583 Matrix: Water
Associated Lab Samples: 10154577001, 10154577002, 10154577003, 10154577005, 10154577007, 10154577008, 10154577010, 10154577011, 10154577012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	04/18/11 20:35	
1,1,1-Trichloroethane	ug/L	ND	1.0	04/18/11 20:35	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	04/18/11 20:35	
1,1,2-Trichloroethane	ug/L	ND	1.0	04/18/11 20:35	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	1.0	04/18/11 20:35	
1,1-Dichloroethane	ug/L	ND	1.0	04/18/11 20:35	
1,1-Dichloroethene	ug/L	ND	1.0	04/18/11 20:35	
1,1-Dichloropropene	ug/L	ND	1.0	04/18/11 20:35	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	04/18/11 20:35	
1,2,3-Trichloropropane	ug/L	ND	4.0	04/18/11 20:35	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	04/18/11 20:35	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	04/18/11 20:35	
1,2-Dibromo-3-chloropropane	ug/L	ND	4.0	04/18/11 20:35	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	04/18/11 20:35	
1,2-Dichlorobenzene	ug/L	ND	1.0	04/18/11 20:35	
1,2-Dichloroethane	ug/L	ND	1.0	04/18/11 20:35	
1,2-Dichloropropane	ug/L	ND	4.0	04/18/11 20:35	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	04/18/11 20:35	
1,3-Dichlorobenzene	ug/L	ND	1.0	04/18/11 20:35	
1,3-Dichloropropane	ug/L	ND	1.0	04/18/11 20:35	
1,4-Dichlorobenzene	ug/L	ND	1.0	04/18/11 20:35	
2,2-Dichloropropane	ug/L	ND	4.0	04/18/11 20:35	
2-Butanone (MEK)	ug/L	ND	4.0	04/18/11 20:35	
2-Chlorotoluene	ug/L	ND	1.0	04/18/11 20:35	
4-Chlorotoluene	ug/L	ND	1.0	04/18/11 20:35	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	4.0	04/18/11 20:35	
Acetone	ug/L	ND	25.0	04/18/11 20:35	
Allyl chloride	ug/L	ND	4.0	04/18/11 20:35	
Benzene	ug/L	ND	1.0	04/18/11 20:35	
Bromobenzene	ug/L	ND	1.0	04/18/11 20:35	
Bromochloromethane	ug/L	ND	1.0	04/18/11 20:35	
Bromodichloromethane	ug/L	ND	1.0	04/18/11 20:35	
Bromoform	ug/L	ND	4.0	04/18/11 20:35	
Bromomethane	ug/L	ND	4.0	04/18/11 20:35	
Carbon tetrachloride	ug/L	ND	1.0	04/18/11 20:35	
Chlorobenzene	ug/L	ND	1.0	04/18/11 20:35	
Chloroethane	ug/L	ND	1.0	04/18/11 20:35	
Chloroform	ug/L	ND	1.0	04/18/11 20:35	
Chloromethane	ug/L	ND	4.0	04/18/11 20:35	
cis-1,2-Dichloroethene	ug/L	ND	1.0	04/18/11 20:35	
cis-1,3-Dichloropropene	ug/L	ND	4.0	04/18/11 20:35	

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QUALITY CONTROL DATA

Project: Superior,Water,Light & Power
Pace Project No.: 10154577

METHOD BLANK: 960583 Matrix: Water

Associated Lab Samples: 10154577001, 10154577002, 10154577003, 10154577005, 10154577007, 10154577008, 10154577010, 10154577011, 10154577012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromochloromethane	ug/L	ND	1.0	04/18/11 20:35	
Dibromomethane	ug/L	ND	4.0	04/18/11 20:35	
Dichlorodifluoromethane	ug/L	ND	1.0	04/18/11 20:35	
Dichlorofluoromethane	ug/L	ND	1.0	04/18/11 20:35	
Diethyl ether (Ethyl ether)	ug/L	ND	4.0	04/18/11 20:35	
Ethylbenzene	ug/L	ND	1.0	04/18/11 20:35	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	04/18/11 20:35	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	04/18/11 20:35	
m&p-Xylene	ug/L	ND	2.0	04/18/11 20:35	
Methyl-tert-butyl ether	ug/L	ND	1.0	04/18/11 20:35	
Methylene Chloride	ug/L	ND	4.0	04/18/11 20:35	
n-Butylbenzene	ug/L	ND	1.0	04/18/11 20:35	
n-Propylbenzene	ug/L	ND	1.0	04/18/11 20:35	
Naphthalene	ug/L	ND	4.0	04/18/11 20:35	
o-Xylene	ug/L	ND	1.0	04/18/11 20:35	
p-Isopropyltoluene	ug/L	ND	1.0	04/18/11 20:35	
sec-Butylbenzene	ug/L	ND	1.0	04/18/11 20:35	
Styrene	ug/L	ND	1.0	04/18/11 20:35	
tert-Butylbenzene	ug/L	ND	1.0	04/18/11 20:35	
Tetrachloroethene	ug/L	ND	1.0	04/18/11 20:35	
Tetrahydrofuran	ug/L	ND	10.0	04/18/11 20:35	
Toluene	ug/L	ND	1.0	04/18/11 20:35	
trans-1,2-Dichloroethene	ug/L	ND	4.0	04/18/11 20:35	
trans-1,3-Dichloropropene	ug/L	ND	4.0	04/18/11 20:35	
Trichloroethene	ug/L	ND	1.0	04/18/11 20:35	
Trichlorofluoromethane	ug/L	ND	1.0	04/18/11 20:35	
Vinyl chloride	ug/L	ND	0.40	04/18/11 20:35	
Xylene (Total)	ug/L	ND	3.0	04/18/11 20:35	
1,2-Dichloroethane-d4 (S)	%	111	75-125	04/18/11 20:35	
4-Bromofluorobenzene (S)	%	102	75-125	04/18/11 20:35	
Dibromofluoromethane (S)	%	112	75-125	04/18/11 20:35	
Toluene-d8 (S)	%	97	75-125	04/18/11 20:35	

LABORATORY CONTROL SAMPLE: 960584

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	53.3	107	75-125	
1,1,1-Trichloroethane	ug/L	50	57.9	116	75-125	
1,1,2,2-Tetrachloroethane	ug/L	50	53.8	108	75-125	
1,1,2-Trichloroethane	ug/L	50	53.0	106	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	50	47.0	94	75-126	
1,1-Dichloroethane	ug/L	50	48.6	97	75-125	
1,1-Dichloroethene	ug/L	50	53.8	108	75-125	
1,1-Dichloropropene	ug/L	50	54.1	108	75-125	

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QUALITY CONTROL DATA

Project: Superior,Water,Light & Power
Pace Project No.: 10154577

LABORATORY CONTROL SAMPLE: 960584

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,3-Trichlorobenzene	ug/L	50	51.6	103	68-128	
1,2,3-Trichloropropane	ug/L	50	58.8	118	75-125	
1,2,4-Trichlorobenzene	ug/L	50	50.8	102	75-125	
1,2,4-Trimethylbenzene	ug/L	50	50.6	101	75-125	
1,2-Dibromo-3-chloropropane	ug/L	50	55.5	111	68-125	
1,2-Dibromoethane (EDB)	ug/L	50	54.0	108	75-125	
1,2-Dichlorobenzene	ug/L	50	51.4	103	75-125	
1,2-Dichloroethane	ug/L	50	55.5	111	71-125	
1,2-Dichloropropane	ug/L	50	50.1	100	75-125	
1,3,5-Trimethylbenzene	ug/L	50	51.0	102	75-125	
1,3-Dichlorobenzene	ug/L	50	51.3	103	75-125	
1,3-Dichloropropane	ug/L	50	53.6	107	75-125	
1,4-Dichlorobenzene	ug/L	50	49.2	98	75-125	
2,2-Dichloropropane	ug/L	50	52.0	104	69-132	
2-Butanone (MEK)	ug/L	50	49.5	99	56-137	
2-Chlorotoluene	ug/L	50	51.5	103	75-125	
4-Chlorotoluene	ug/L	50	51.0	102	75-125	
4-Methyl-2-pentanone (MIBK)	ug/L	50	52.0	104	67-125	
Acetone	ug/L	125	121	97	41-130	
Allyl chloride	ug/L	50	49.2	98	59-130	
Benzene	ug/L	50	54.8	110	75-125	
Bromobenzene	ug/L	50	50.2	100	75-125	
Bromochloromethane	ug/L	50	56.0	112	75-125	
Bromodichloromethane	ug/L	50	55.2	110	75-125	
Bromoform	ug/L	50	56.3	113	75-125	
Bromomethane	ug/L	50	65.9	132	45-138	
Carbon tetrachloride	ug/L	50	54.8	110	75-125	
Chlorobenzene	ug/L	50	49.4	99	75-125	
Chloroethane	ug/L	50	54.1	108	72-125	
Chloroform	ug/L	50	52.9	106	75-125	
Chloromethane	ug/L	50	53.6	107	65-125	
cis-1,2-Dichloroethene	ug/L	50	54.9	110	75-125	
cis-1,3-Dichloropropene	ug/L	50	56.3	113	75-125	
Dibromochloromethane	ug/L	50	55.7	111	75-125	
Dibromomethane	ug/L	50	53.7	107	75-125	
Dichlorodifluoromethane	ug/L	50	50.5	101	55-143	
Dichlorofluoromethane	ug/L	50	57.8	116	75-125	
Diethyl ether (Ethyl ether)	ug/L	50	59.5	119	75-125	
Ethylbenzene	ug/L	50	51.5	103	75-125	
Hexachloro-1,3-butadiene	ug/L	25	21.4	85	69-132	
Isopropylbenzene (Cumene)	ug/L	50	50.2	100	75-125	
m&p-Xylene	ug/L	100	99.7	100	75-125	
Methyl-tert-butyl ether	ug/L	50	63.2	126	75-125	L0
Methylene Chloride	ug/L	50	51.9	104	75-125	
n-Butylbenzene	ug/L	50	51.1	102	75-125	
n-Propylbenzene	ug/L	50	50.3	101	75-125	
Naphthalene	ug/L	50	52.7	105	74-129	
o-Xylene	ug/L	50	50.6	101	75-125	

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QUALITY CONTROL DATA

Project: Superior,Water,Light & Power
Pace Project No.: 10154577

LABORATORY CONTROL SAMPLE: 960584

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
p-Isopropyltoluene	ug/L	50	49.6	99	75-125	
sec-Butylbenzene	ug/L	50	49.7	99	75-125	
Styrene	ug/L	50	52.6	105	75-125	
tert-Butylbenzene	ug/L	50	49.8	100	75-125	
Tetrachloroethene	ug/L	50	48.9	98	75-125	
Tetrahydrofuran	ug/L	500	575	115	64-128	
Toluene	ug/L	50	50.3	101	75-125	
trans-1,2-Dichloroethene	ug/L	50	55.9	112	75-125	
trans-1,3-Dichloropropene	ug/L	50	56.1	112	75-125	
Trichloroethene	ug/L	50	49.1	98	75-125	
Trichlorofluoromethane	ug/L	50	58.1	116	75-125	
Vinyl chloride	ug/L	50	50.8	102	74-125	
Xylene (Total)	ug/L	150	150	100	75-125	
1,2-Dichloroethane-d4 (S)	%			109	75-125	
4-Bromofluorobenzene (S)	%			102	75-125	
Dibromofluoromethane (S)	%			108	75-125	
Toluene-d8 (S)	%			98	75-125	

MATRIX SPIKE SAMPLE: 960830

Parameter	Units	10154577007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	50	65.8	132	75-125	M1
1,1,1-Trichloroethane	ug/L	ND	50	74.1	148	75-128	M1
1,1,2,2-Tetrachloroethane	ug/L	ND	50	62.8	126	75-125	M1
1,1,2-Trichloroethane	ug/L	ND	50	62.3	125	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	50	74.5	149	75-150	
1,1-Dichloroethane	ug/L	ND	50	60.9	122	75-125	
1,1-Dichloroethene	ug/L	ND	50	70.2	140	75-134	M1
1,1-Dichloropropene	ug/L	ND	50	69.0	138	75-131	M1
1,2,3-Trichlorobenzene	ug/L	ND	50	54.6	109	67-145	
1,2,3-Trichloropropane	ug/L	ND	50	67.4	135	75-125	M1
1,2,4-Trichlorobenzene	ug/L	ND	50	52.7	105	74-138	
1,2,4-Trimethylbenzene	ug/L	1.8	50	59.2	115	75-126	
1,2-Dibromo-3-chloropropane	ug/L	ND	50	64.8	130	68-129	M1
1,2-Dibromoethane (EDB)	ug/L	ND	50	64.8	130	75-125	M1
1,2-Dichlorobenzene	ug/L	ND	50	58.3	117	75-125	
1,2-Dichloroethane	ug/L	ND	50	66.3	133	69-129	M1
1,2-Dichloropropane	ug/L	ND	50	62.5	125	75-125	
1,3,5-Trimethylbenzene	ug/L	ND	50	57.6	115	75-125	
1,3-Dichlorobenzene	ug/L	ND	50	57.4	115	75-125	
1,3-Dichloropropane	ug/L	ND	50	63.8	128	75-125	M1
1,4-Dichlorobenzene	ug/L	ND	50	56.3	113	75-125	
2,2-Dichloropropane	ug/L	ND	50	67.6	135	69-141	
2-Butanone (MEK)	ug/L	ND	50	57.9	116	42-137	
2-Chlorotoluene	ug/L	ND	50	59.8	120	68-147	
4-Chlorotoluene	ug/L	ND	50	58.5	117	75-130	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	50	60.4	121	57-126	

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QUALITY CONTROL DATA

Project: Superior,Water,Light & Power
Pace Project No.: 10154577

MATRIX SPIKE SAMPLE: 960830

Parameter	Units	10154577007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Acetone	ug/L	ND	125	141	113	34-130	
Allyl chloride	ug/L	ND	50	61.7	123	53-140	
Benzene	ug/L	ND	50	69.0	138	73-136	M1
Bromobenzene	ug/L	ND	50	59.7	119	75-125	
Bromochloromethane	ug/L	ND	50	66.2	132	75-125	M1
Bromodichloromethane	ug/L	ND	50	66.9	134	75-125	M1
Bromoform	ug/L	ND	50	67.1	134	75-125	M1
Bromomethane	ug/L	ND	50	77.8	156	41-150	M1
Carbon tetrachloride	ug/L	ND	50	71.1	142	75-135	M1
Chlorobenzene	ug/L	ND	50	60.5	121	75-125	
Chloroethane	ug/L	ND	50	65.6	131	71-139	
Chloroform	ug/L	ND	50	66.1	132	75-125	M1
Chloromethane	ug/L	ND	50	65.8	132	65-144	
cis-1,2-Dichloroethene	ug/L	ND	50	68.8	138	75-125	M1
cis-1,3-Dichloropropene	ug/L	ND	50	68.0	136	75-125	M1
Dibromochloromethane	ug/L	ND	50	68.2	136	75-125	M1
Dibromomethane	ug/L	ND	50	62.8	126	75-125	M1
Dichlorodifluoromethane	ug/L	ND	50	79.2	158	55-150	M1
Dichlorofluoromethane	ug/L	ND	50	73.9	148	75-129	M1
Diethyl ether (Ethyl ether)	ug/L	ND	50	73.4	147	75-125	M1
Ethylbenzene	ug/L	ND	50	62.3	125	75-137	
Hexachloro-1,3-butadiene	ug/L	ND	25	22.9	91	69-150	
Isopropylbenzene (Cumene)	ug/L	ND	50	59.7	119	75-125	
m&p-Xylene	ug/L	ND	100	118	118	71-133	
Methyl-tert-butyl ether	ug/L	ND	50	75.5	151	75-125	M0
Methylene Chloride	ug/L	ND	50	64.4	129	75-125	M1
n-Butylbenzene	ug/L	ND	50	52.4	105	75-141	
n-Propylbenzene	ug/L	ND	50	56.4	113	75-132	
Naphthalene	ug/L	ND	50	61.7	123	74-138	
o-Xylene	ug/L	1.4	50	63.0	123	75-128	
p-Isopropyltoluene	ug/L	ND	50	53.1	106	75-133	
sec-Butylbenzene	ug/L	ND	50	52.9	106	75-136	
Styrene	ug/L	ND	50	63.1	126	72-125	M1
tert-Butylbenzene	ug/L	ND	50	55.6	111	75-132	
Tetrachloroethene	ug/L	ND	50	58.5	117	75-126	
Tetrahydrofuran	ug/L	ND	500	662	132	64-128	M1
Toluene	ug/L	ND	50	62.5	125	75-125	
trans-1,2-Dichloroethene	ug/L	ND	50	70.9	142	75-127	M1
trans-1,3-Dichloropropene	ug/L	ND	50	67.7	135	75-125	M1
Trichloroethene	ug/L	ND	50	61.6	123	75-125	
Trichlorofluoromethane	ug/L	ND	50	81.4	163	75-150	M1
Vinyl chloride	ug/L	ND	50	65.9	132	74-142	
Xylene (Total)	ug/L	ND	150	181	120	73-132	
1,2-Dichloroethane-d4 (S)	%				105	75-125	
4-Bromofluorobenzene (S)	%				102	75-125	
Dibromofluoromethane (S)	%				105	75-125	
Toluene-d8 (S)	%				98	75-125	

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QUALITY CONTROL DATA

Project: Superior,Water,Light & Power
Pace Project No.: 10154577

SAMPLE DUPLICATE: 960831

Parameter	Units	10154577008 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	ND		30	
1,1,1-Trichloroethane	ug/L	ND	ND		30	
1,1,2,2-Tetrachloroethane	ug/L	ND	ND		30	
1,1,2-Trichloroethane	ug/L	ND	ND		30	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	ND		30	
1,1-Dichloroethane	ug/L	ND	ND		30	
1,1-Dichloroethene	ug/L	ND	ND		30	
1,1-Dichloropropene	ug/L	ND	ND		30	
1,2,3-Trichlorobenzene	ug/L	ND	ND		30	
1,2,3-Trichloropropane	ug/L	ND	ND		30	
1,2,4-Trichlorobenzene	ug/L	ND	ND		30	
1,2,4-Trimethylbenzene	ug/L	9.5	9.1	3	30	
1,2-Dibromo-3-chloropropane	ug/L	ND	ND		30	
1,2-Dibromoethane (EDB)	ug/L	ND	ND		30	
1,2-Dichlorobenzene	ug/L	ND	ND		30	
1,2-Dichloroethane	ug/L	ND	ND		30	
1,2-Dichloropropane	ug/L	ND	ND		30	
1,3,5-Trimethylbenzene	ug/L	ND	ND		30	
1,3-Dichlorobenzene	ug/L	ND	ND		30	
1,3-Dichloropropane	ug/L	ND	ND		30	
1,4-Dichlorobenzene	ug/L	ND	ND		30	
2,2-Dichloropropane	ug/L	ND	ND		30	
2-Butanone (MEK)	ug/L	ND	ND		30	
2-Chlorotoluene	ug/L	ND	ND		30	
4-Chlorotoluene	ug/L	ND	ND		30	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	ND		30	
Acetone	ug/L	ND	ND		30	
Allyl chloride	ug/L	ND	ND		30	
Benzene	ug/L	83.0	86.1	4	30	
Bromobenzene	ug/L	ND	ND		30	
Bromochloromethane	ug/L	ND	ND		30	
Bromodichloromethane	ug/L	ND	ND		30	
Bromoform	ug/L	ND	ND		30	
Bromomethane	ug/L	ND	ND		30	
Carbon tetrachloride	ug/L	ND	ND		30	
Chlorobenzene	ug/L	ND	ND		30	
Chloroethane	ug/L	ND	ND		30	
Chloroform	ug/L	ND	ND		30	
Chloromethane	ug/L	ND	ND		30	
cis-1,2-Dichloroethene	ug/L	ND	ND		30	
cis-1,3-Dichloropropene	ug/L	ND	ND		30	
Dibromochloromethane	ug/L	ND	ND		30	
Dibromomethane	ug/L	ND	ND		30	
Dichlorodifluoromethane	ug/L	ND	ND		30	
Dichlorofluoromethane	ug/L	ND	ND		30	
Diethyl ether (Ethyl ether)	ug/L	ND	ND		30	
Ethylbenzene	ug/L	3.5	3.4	4	30	
Hexachloro-1,3-butadiene	ug/L	ND	ND		30	

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QUALITY CONTROL DATA

Project: Superior,Water,Light & Power
Pace Project No.: 10154577

SAMPLE DUPLICATE: 960831

Parameter	Units	10154577008 Result	Dup Result	RPD	Max RPD	Qualifiers
Isopropylbenzene (Cumene)	ug/L	2.2	2.2	.6	30	
m&p-Xylene	ug/L	ND	ND		30	
Methyl-tert-butyl ether	ug/L	ND	ND		30	
Methylene Chloride	ug/L	ND	ND		30	
n-Butylbenzene	ug/L	ND	ND		30	
n-Propylbenzene	ug/L	ND	ND		30	
Naphthalene	ug/L	12.7	12.6	.3	30	
o-Xylene	ug/L	1.1	1.1	3	30	
p-Isopropyltoluene	ug/L	ND	ND		30	
sec-Butylbenzene	ug/L	ND	ND		30	
Styrene	ug/L	ND	ND		30	
tert-Butylbenzene	ug/L	ND	ND		30	
Tetrachloroethene	ug/L	ND	ND		30	
Tetrahydrofuran	ug/L	ND	ND		30	
Toluene	ug/L	ND	ND		30	
trans-1,2-Dichloroethene	ug/L	ND	ND		30	
trans-1,3-Dichloropropene	ug/L	ND	ND		30	
Trichloroethene	ug/L	ND	ND		30	
Trichlorofluoromethane	ug/L	ND	ND		30	
Vinyl chloride	ug/L	ND	ND		30	
Xylene (Total)	ug/L	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	110	109	1		
4-Bromofluorobenzene (S)	%	102	101	.7		
Dibromofluoromethane (S)	%	107	107	.06		
Toluene-d8 (S)	%	97	95	3		

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QUALITY CONTROL DATA

Project: Superior,Water,Light & Power
Pace Project No.: 10154577

QC Batch: MSV/16732 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 465 W
Associated Lab Samples: 10154577004, 10154577006, 10154577009

METHOD BLANK: 961218 Matrix: Water
Associated Lab Samples: 10154577004, 10154577006, 10154577009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	04/19/11 09:52	
1,1,1-Trichloroethane	ug/L	ND	1.0	04/19/11 09:52	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	04/19/11 09:52	
1,1,2-Trichloroethane	ug/L	ND	1.0	04/19/11 09:52	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	1.0	04/19/11 09:52	
1,1-Dichloroethane	ug/L	ND	1.0	04/19/11 09:52	
1,1-Dichloroethene	ug/L	ND	1.0	04/19/11 09:52	
1,1-Dichloropropene	ug/L	ND	1.0	04/19/11 09:52	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	04/19/11 09:52	
1,2,3-Trichloropropane	ug/L	ND	4.0	04/19/11 09:52	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	04/19/11 09:52	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	04/19/11 09:52	
1,2-Dibromo-3-chloropropane	ug/L	ND	4.0	04/19/11 09:52	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	04/19/11 09:52	
1,2-Dichlorobenzene	ug/L	ND	1.0	04/19/11 09:52	
1,2-Dichloroethane	ug/L	ND	1.0	04/19/11 09:52	
1,2-Dichloropropane	ug/L	ND	4.0	04/19/11 09:52	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	04/19/11 09:52	
1,3-Dichlorobenzene	ug/L	ND	1.0	04/19/11 09:52	
1,3-Dichloropropane	ug/L	ND	1.0	04/19/11 09:52	
1,4-Dichlorobenzene	ug/L	ND	1.0	04/19/11 09:52	
2,2-Dichloropropane	ug/L	ND	4.0	04/19/11 09:52	
2-Butanone (MEK)	ug/L	ND	4.0	04/19/11 09:52	
2-Chlorotoluene	ug/L	ND	1.0	04/19/11 09:52	
4-Chlorotoluene	ug/L	ND	1.0	04/19/11 09:52	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	4.0	04/19/11 09:52	
Acetone	ug/L	ND	25.0	04/19/11 09:52	
Allyl chloride	ug/L	ND	4.0	04/19/11 09:52	
Benzene	ug/L	ND	1.0	04/19/11 09:52	
Bromobenzene	ug/L	ND	1.0	04/19/11 09:52	
Bromochloromethane	ug/L	ND	1.0	04/19/11 09:52	
Bromodichloromethane	ug/L	ND	1.0	04/19/11 09:52	
Bromoform	ug/L	ND	4.0	04/19/11 09:52	
Bromomethane	ug/L	ND	4.0	04/19/11 09:52	
Carbon tetrachloride	ug/L	ND	1.0	04/19/11 09:52	
Chlorobenzene	ug/L	ND	1.0	04/19/11 09:52	
Chloroethane	ug/L	ND	1.0	04/19/11 09:52	
Chloroform	ug/L	ND	1.0	04/19/11 09:52	
Chloromethane	ug/L	ND	4.0	04/19/11 09:52	
cis-1,2-Dichloroethene	ug/L	ND	1.0	04/19/11 09:52	
cis-1,3-Dichloropropene	ug/L	ND	4.0	04/19/11 09:52	
Dibromochloromethane	ug/L	ND	1.0	04/19/11 09:52	
Dibromomethane	ug/L	ND	4.0	04/19/11 09:52	

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QUALITY CONTROL DATA

Project: Superior,Water,Light & Power
Pace Project No.: 10154577

METHOD BLANK: 961218 Matrix: Water

Associated Lab Samples: 10154577004, 10154577006, 10154577009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dichlorodifluoromethane	ug/L	ND	1.0	04/19/11 09:52	
Dichlorofluoromethane	ug/L	ND	1.0	04/19/11 09:52	
Diethyl ether (Ethyl ether)	ug/L	ND	4.0	04/19/11 09:52	
Ethylbenzene	ug/L	ND	1.0	04/19/11 09:52	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	04/19/11 09:52	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	04/19/11 09:52	
m&p-Xylene	ug/L	ND	2.0	04/19/11 09:52	
Methyl-tert-butyl ether	ug/L	ND	1.0	04/19/11 09:52	
Methylene Chloride	ug/L	ND	4.0	04/19/11 09:52	
n-Butylbenzene	ug/L	ND	1.0	04/19/11 09:52	
n-Propylbenzene	ug/L	ND	1.0	04/19/11 09:52	
Naphthalene	ug/L	ND	4.0	04/19/11 09:52	
o-Xylene	ug/L	ND	1.0	04/19/11 09:52	
p-Isopropyltoluene	ug/L	ND	1.0	04/19/11 09:52	
sec-Butylbenzene	ug/L	ND	1.0	04/19/11 09:52	
Styrene	ug/L	ND	1.0	04/19/11 09:52	
tert-Butylbenzene	ug/L	ND	1.0	04/19/11 09:52	
Tetrachloroethene	ug/L	ND	1.0	04/19/11 09:52	
Tetrahydrofuran	ug/L	ND	10.0	04/19/11 09:52	
Toluene	ug/L	ND	1.0	04/19/11 09:52	
trans-1,2-Dichloroethene	ug/L	ND	4.0	04/19/11 09:52	
trans-1,3-Dichloropropene	ug/L	ND	4.0	04/19/11 09:52	
Trichloroethene	ug/L	ND	1.0	04/19/11 09:52	
Trichlorofluoromethane	ug/L	ND	1.0	04/19/11 09:52	
Vinyl chloride	ug/L	ND	0.40	04/19/11 09:52	
Xylene (Total)	ug/L	ND	3.0	04/19/11 09:52	
1,2-Dichloroethane-d4 (S)	%	108	75-125	04/19/11 09:52	
4-Bromofluorobenzene (S)	%	103	75-125	04/19/11 09:52	
Dibromofluoromethane (S)	%	110	75-125	04/19/11 09:52	
Toluene-d8 (S)	%	95	75-125	04/19/11 09:52	

LABORATORY CONTROL SAMPLE: 961219

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	48.9	98	75-125	
1,1,1-Trichloroethane	ug/L	50	54.6	109	75-125	
1,1,2,2-Tetrachloroethane	ug/L	50	45.3	91	75-125	
1,1,2-Trichloroethane	ug/L	50	46.5	93	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	50	46.3	93	75-126	
1,1-Dichloroethane	ug/L	50	46.0	92	75-125	
1,1-Dichloroethene	ug/L	50	50.6	101	75-125	
1,1-Dichloropropene	ug/L	50	51.2	102	75-125	
1,2,3-Trichlorobenzene	ug/L	50	45.1	90	68-128	
1,2,3-Trichloropropane	ug/L	50	50.5	101	75-125	
1,2,4-Trichlorobenzene	ug/L	50	46.1	92	75-125	

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QUALITY CONTROL DATA

Project: Superior,Water,Light & Power
Pace Project No.: 10154577

LABORATORY CONTROL SAMPLE: 961219

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trimethylbenzene	ug/L	50	45.7	91	75-125	
1,2-Dibromo-3-chloropropane	ug/L	50	48.0	96	68-125	
1,2-Dibromoethane (EDB)	ug/L	50	47.5	95	75-125	
1,2-Dichlorobenzene	ug/L	50	45.5	91	75-125	
1,2-Dichloroethane	ug/L	50	50.2	100	71-125	
1,2-Dichloropropane	ug/L	50	45.7	91	75-125	
1,3,5-Trimethylbenzene	ug/L	50	45.6	91	75-125	
1,3-Dichlorobenzene	ug/L	50	45.2	90	75-125	
1,3-Dichloropropane	ug/L	50	47.9	96	75-125	
1,4-Dichlorobenzene	ug/L	50	44.3	89	75-125	
2,2-Dichloropropane	ug/L	50	55.0	110	69-132	
2-Butanone (MEK)	ug/L	50	41.8	84	56-137	
2-Chlorotoluene	ug/L	50	46.4	93	75-125	
4-Chlorotoluene	ug/L	50	46.4	93	75-125	
4-Methyl-2-pentanone (MIBK)	ug/L	50	43.3	87	67-125	
Acetone	ug/L	125	113	91	41-130	
Allyl chloride	ug/L	50	46.3	93	59-130	
Benzene	ug/L	50	51.2	102	75-125	
Bromobenzene	ug/L	50	44.1	88	75-125	
Bromochloromethane	ug/L	50	49.6	99	75-125	
Bromodichloromethane	ug/L	50	52.5	105	75-125	
Bromoform	ug/L	50	50.1	100	75-125	
Bromomethane	ug/L	50	56.5	113	45-138	
Carbon tetrachloride	ug/L	50	53.1	106	75-125	
Chlorobenzene	ug/L	50	45.5	91	75-125	
Chloroethane	ug/L	50	50.8	102	72-125	
Chloroform	ug/L	50	50.3	101	75-125	
Chloromethane	ug/L	50	49.9	100	65-125	
cis-1,2-Dichloroethene	ug/L	50	50.8	102	75-125	
cis-1,3-Dichloropropene	ug/L	50	53.2	106	75-125	
Dibromochloromethane	ug/L	50	50.2	100	75-125	
Dibromomethane	ug/L	50	48.9	98	75-125	
Dichlorodifluoromethane	ug/L	50	47.4	95	55-143	
Dichlorofluoromethane	ug/L	50	56.7	113	75-125	
Diethyl ether (Ethyl ether)	ug/L	50	54.2	108	75-125	
Ethylbenzene	ug/L	50	48.2	96	75-125	
Hexachloro-1,3-butadiene	ug/L	25	21.0	84	69-132	
Isopropylbenzene (Cumene)	ug/L	50	47.7	95	75-125	
m&p-Xylene	ug/L	100	91.7	92	75-125	
Methyl-tert-butyl ether	ug/L	50	56.9	114	75-125	
Methylene Chloride	ug/L	50	48.5	97	75-125	
n-Butylbenzene	ug/L	50	48.1	96	75-125	
n-Propylbenzene	ug/L	50	45.7	91	75-125	
Naphthalene	ug/L	50	45.6	91	74-129	
o-Xylene	ug/L	50	46.9	94	75-125	
p-Isopropyltoluene	ug/L	50	44.7	89	75-125	
sec-Butylbenzene	ug/L	50	44.6	89	75-125	
Styrene	ug/L	50	48.6	97	75-125	

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QUALITY CONTROL DATA

Project: Superior,Water,Light & Power
Pace Project No.: 10154577

LABORATORY CONTROL SAMPLE: 961219

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
tert-Butylbenzene	ug/L	50	44.5	89	75-125	
Tetrachloroethene	ug/L	50	45.4	91	75-125	
Tetrahydrofuran	ug/L	500	475	95	64-128	
Toluene	ug/L	50	46.7	93	75-125	
trans-1,2-Dichloroethene	ug/L	50	51.3	103	75-125	
trans-1,3-Dichloropropene	ug/L	50	51.8	104	75-125	
Trichloroethene	ug/L	50	47.0	94	75-125	
Trichlorofluoromethane	ug/L	50	56.7	113	75-125	
Vinyl chloride	ug/L	50	48.0	96	74-125	
Xylene (Total)	ug/L	150	139	92	75-125	
1,2-Dichloroethane-d4 (S)	%			106	75-125	
4-Bromofluorobenzene (S)	%			101	75-125	
Dibromofluoromethane (S)	%			107	75-125	
Toluene-d8 (S)	%			96	75-125	

MATRIX SPIKE SAMPLE: 961220

Parameter	Units	10154662002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	50	49.5	99	75-125	
1,1,1-Trichloroethane	ug/L	ND	50	57.7	115	75-128	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	43.9	88	75-125	
1,1,2-Trichloroethane	ug/L	ND	50	46.7	93	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	50	61.2	122	75-150	
1,1-Dichloroethane	ug/L	ND	50	53.0	106	75-125	
1,1-Dichloroethene	ug/L	ND	50	54.3	109	75-134	
1,1-Dichloropropene	ug/L	ND	50	55.6	111	75-131	
1,2,3-Trichlorobenzene	ug/L	ND	50	43.0	86	67-145	
1,2,3-Trichloropropane	ug/L	ND	50	47.6	95	75-125	
1,2,4-Trichlorobenzene	ug/L	ND	50	43.5	87	74-138	
1,2,4-Trimethylbenzene	ug/L	ND	50	45.8	92	75-126	
1,2-Dibromo-3-chloropropane	ug/L	ND	50	43.7	87	68-129	
1,2-Dibromoethane (EDB)	ug/L	ND	50	46.8	94	75-125	
1,2-Dichlorobenzene	ug/L	ND	50	44.9	90	75-125	
1,2-Dichloroethane	ug/L	ND	50	48.5	97	69-129	
1,2-Dichloropropane	ug/L	ND	50	47.1	94	75-125	
1,3,5-Trimethylbenzene	ug/L	ND	50	46.0	92	75-125	
1,3-Dichlorobenzene	ug/L	ND	50	45.0	90	75-125	
1,3-Dichloropropane	ug/L	ND	50	47.7	95	75-125	
1,4-Dichlorobenzene	ug/L	ND	50	44.1	88	75-125	
2,2-Dichloropropane	ug/L	ND	50	58.3	117	69-141	
2-Butanone (MEK)	ug/L	ND	50	37.0	74	42-137	
2-Chlorotoluene	ug/L	ND	50	46.8	94	68-147	
4-Chlorotoluene	ug/L	ND	50	46.6	93	75-130	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	50	41.1	82	57-126	
Acetone	ug/L	ND	125	92.7	74	34-130	
Allyl chloride	ug/L	ND	50	46.8	94	53-140	
Benzene	ug/L	ND	50	52.5	105	73-136	

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QUALITY CONTROL DATA

Project: Superior,Water,Light & Power
Pace Project No.: 10154577

MATRIX SPIKE SAMPLE: 961220

Parameter	Units	10154662002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Bromobenzene	ug/L	ND	50	45.0	90	75-125	
Bromochloromethane	ug/L	ND	50	47.9	96	75-125	
Bromodichloromethane	ug/L	ND	50	52.4	105	75-125	
Bromoform	ug/L	ND	50	48.4	97	75-125	
Bromomethane	ug/L	ND	50	62.2	124	41-150	
Carbon tetrachloride	ug/L	ND	50	57.0	114	75-135	
Chlorobenzene	ug/L	ND	50	46.2	92	75-125	
Chloroethane	ug/L	ND	50	53.8	108	71-139	
Chloroform	ug/L	ND	50	50.0	100	75-125	
Chloromethane	ug/L	ND	50	54.8	110	65-144	
cis-1,2-Dichloroethene	ug/L	2.8	50	54.0	102	75-125	
cis-1,3-Dichloropropene	ug/L	ND	50	52.9	106	75-125	
Dibromochloromethane	ug/L	ND	50	50.4	101	75-125	
Dibromomethane	ug/L	ND	50	48.1	96	75-125	
Dichlorodifluoromethane	ug/L	ND	50	66.3	133	55-150	
Dichlorofluoromethane	ug/L	ND	50	57.4	115	75-129	
Diethyl ether (Ethyl ether)	ug/L	ND	50	48.7	97	75-125	
Ethylbenzene	ug/L	ND	50	50.4	101	75-137	
Hexachloro-1,3-butadiene	ug/L	ND	25	20.6	83	69-150	
Isopropylbenzene (Cumene)	ug/L	ND	50	49.2	98	75-125	
m&p-Xylene	ug/L	ND	100	95.2	95	71-133	
Methyl-tert-butyl ether	ug/L	ND	50	53.3	107	75-125	
Methylene Chloride	ug/L	ND	50	47.3	95	75-125	
n-Butylbenzene	ug/L	ND	50	46.1	92	75-141	
n-Propylbenzene	ug/L	ND	50	46.8	94	75-132	
Naphthalene	ug/L	ND	50	42.0	84	74-138	
o-Xylene	ug/L	ND	50	47.2	94	75-128	
p-Isopropyltoluene	ug/L	ND	50	44.4	89	75-133	
sec-Butylbenzene	ug/L	ND	50	44.8	90	75-136	
Styrene	ug/L	ND	50	49.4	99	72-125	
tert-Butylbenzene	ug/L	ND	50	45.3	91	75-132	
Tetrachloroethene	ug/L	2.5	50	51.4	98	75-126	
Tetrahydrofuran	ug/L	ND	500	434	87	64-128	
Toluene	ug/L	ND	50	48.4	97	75-125	
trans-1,2-Dichloroethene	ug/L	ND	50	54.5	109	75-127	
trans-1,3-Dichloropropene	ug/L	ND	50	52.1	104	75-125	
Trichloroethene	ug/L	ND	50	50.6	100	75-125	
Trichlorofluoromethane	ug/L	ND	50	70.4	141	75-150	
Vinyl chloride	ug/L	ND	50	52.2	104	74-142	
Xylene (Total)	ug/L	ND	150	142	95	73-132	
1,2-Dichloroethane-d4 (S)	%				102	75-125	
4-Bromofluorobenzene (S)	%				102	75-125	
Dibromofluoromethane (S)	%				104	75-125	
Toluene-d8 (S)	%				97	75-125	

Pace Analytical Services, Inc.
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QUALITY CONTROL DATA

Project: Superior,Water,Light & Power
Pace Project No.: 10154577

SAMPLE DUPLICATE: 961221

Parameter	Units	10154662004 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	ND		30	
1,1,1-Trichloroethane	ug/L	ND	ND		30	
1,1,2,2-Tetrachloroethane	ug/L	ND	ND		30	
1,1,2-Trichloroethane	ug/L	ND	ND		30	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	ND		30	
1,1-Dichloroethane	ug/L	ND	ND		30	
1,1-Dichloroethene	ug/L	ND	ND		30	
1,1-Dichloropropene	ug/L	ND	ND		30	
1,2,3-Trichlorobenzene	ug/L	ND	ND		30	
1,2,3-Trichloropropane	ug/L	ND	ND		30	
1,2,4-Trichlorobenzene	ug/L	ND	ND		30	
1,2,4-Trimethylbenzene	ug/L	ND	ND		30	
1,2-Dibromo-3-chloropropane	ug/L	ND	ND		30	
1,2-Dibromoethane (EDB)	ug/L	ND	ND		30	
1,2-Dichlorobenzene	ug/L	ND	ND		30	
1,2-Dichloroethane	ug/L	ND	ND		30	
1,2-Dichloropropane	ug/L	ND	ND		30	
1,3,5-Trimethylbenzene	ug/L	ND	ND		30	
1,3-Dichlorobenzene	ug/L	ND	ND		30	
1,3-Dichloropropane	ug/L	ND	ND		30	
1,4-Dichlorobenzene	ug/L	ND	ND		30	
2,2-Dichloropropane	ug/L	ND	ND		30	
2-Butanone (MEK)	ug/L	ND	ND		30	
2-Chlorotoluene	ug/L	ND	ND		30	
4-Chlorotoluene	ug/L	ND	ND		30	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	ND		30	
Acetone	ug/L	ND	ND		30	
Allyl chloride	ug/L	ND	ND		30	
Benzene	ug/L	ND	ND		30	
Bromobenzene	ug/L	ND	ND		30	
Bromochloromethane	ug/L	ND	ND		30	
Bromodichloromethane	ug/L	ND	ND		30	
Bromoform	ug/L	ND	ND		30	
Bromomethane	ug/L	ND	ND		30	
Carbon tetrachloride	ug/L	ND	ND		30	
Chlorobenzene	ug/L	ND	ND		30	
Chloroethane	ug/L	ND	ND		30	
Chloroform	ug/L	ND	ND		30	
Chloromethane	ug/L	ND	ND		30	
cis-1,2-Dichloroethene	ug/L	ND	ND		30	
cis-1,3-Dichloropropene	ug/L	ND	ND		30	
Dibromochloromethane	ug/L	ND	ND		30	
Dibromomethane	ug/L	ND	ND		30	
Dichlorodifluoromethane	ug/L	ND	ND		30	
Dichlorofluoromethane	ug/L	ND	ND		30	
Diethyl ether (Ethyl ether)	ug/L	ND	ND		30	
Ethylbenzene	ug/L	ND	ND		30	
Hexachloro-1,3-butadiene	ug/L	ND	ND		30	

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QUALITY CONTROL DATA

Project: Superior,Water,Light & Power
Pace Project No.: 10154577

SAMPLE DUPLICATE: 961221

Parameter	Units	10154662004 Result	Dup Result	RPD	Max RPD	Qualifiers
Isopropylbenzene (Cumene)	ug/L	ND	ND		30	
m&p-Xylene	ug/L	ND	ND		30	
Methyl-tert-butyl ether	ug/L	ND	ND		30	
Methylene Chloride	ug/L	ND	ND		30	
n-Butylbenzene	ug/L	ND	ND		30	
n-Propylbenzene	ug/L	ND	ND		30	
Naphthalene	ug/L	ND	ND		30	
o-Xylene	ug/L	ND	ND		30	
p-Isopropyltoluene	ug/L	ND	ND		30	
sec-Butylbenzene	ug/L	ND	ND		30	
Styrene	ug/L	ND	ND		30	
tert-Butylbenzene	ug/L	ND	ND		30	
Tetrachloroethene	ug/L	ND	ND		30	
Tetrahydrofuran	ug/L	ND	ND		30	
Toluene	ug/L	ND	ND		30	
trans-1,2-Dichloroethene	ug/L	ND	ND		30	
trans-1,3-Dichloropropene	ug/L	ND	ND		30	
Trichloroethene	ug/L	ND	ND		30	
Trichlorofluoromethane	ug/L	ND	ND		30	
Vinyl chloride	ug/L	ND	ND		30	
Xylene (Total)	ug/L	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	114	114	.2		
4-Bromofluorobenzene (S)	%	104	105	.5		
Dibromofluoromethane (S)	%	115	115	.4		
Toluene-d8 (S)	%	97	95	2		

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QUALIFIERS

Project: Superior,Water,Light & Power
Pace Project No.: 10154577

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.

SG - Silica Gel - Clean-Up

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

1M	Surrogate recovery outside control limits due to matrix interferences.
L0	Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
L3	Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Superior,Water,Light & Power
Pace Project No.: 10154577

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10154577001	**MW-4**	EPA 3510	OEXT/15323	EPA 8270 by SIM	MSSV/6511
10154577002	**MW-6**	EPA 3510	OEXT/15323	EPA 8270 by SIM	MSSV/6511
10154577003	**MW-7**	EPA 3510	OEXT/15323	EPA 8270 by SIM	MSSV/6511
10154577004	**MW-8**	EPA 3510	OEXT/15323	EPA 8270 by SIM	MSSV/6511
10154577005	**MW-9**	EPA 3510	OEXT/15323	EPA 8270 by SIM	MSSV/6511
10154577006	**MW-10**	EPA 3510	OEXT/15323	EPA 8270 by SIM	MSSV/6511
10154577007	**MW-11**	EPA 3510	OEXT/15323	EPA 8270 by SIM	MSSV/6511
10154577008	**MW-15**	EPA 3510	OEXT/15323	EPA 8270 by SIM	MSSV/6511
10154577009	**MW-20**	EPA 3510	OEXT/15323	EPA 8270 by SIM	MSSV/6511
10154577010	**MW-22**	EPA 3510	OEXT/15323	EPA 8270 by SIM	MSSV/6511
10154577011	**DUP-1**	EPA 3510	OEXT/15323	EPA 8270 by SIM	MSSV/6511
10154577001	**MW-4**	EPA 8260	MSV/16718		
10154577002	**MW-6**	EPA 8260	MSV/16718		
10154577003	**MW-7**	EPA 8260	MSV/16718		
10154577004	**MW-8**	EPA 8260	MSV/16732		
10154577005	**MW-9**	EPA 8260	MSV/16718		
10154577006	**MW-10**	EPA 8260	MSV/16732		
10154577007	**MW-11**	EPA 8260	MSV/16718		
10154577008	**MW-15**	EPA 8260	MSV/16718		
10154577009	**MW-20**	EPA 8260	MSV/16732		
10154577010	**MW-22**	EPA 8260	MSV/16718		
10154577011	**DUP-1**	EPA 8260	MSV/16718		
10154577012	**Trip Blank**	EPA 8260	MSV/16718		

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CHAIN-OF-CUSTODY / Analytical Request Document

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

1015457

Page: 1 of 1

1443523

Section A Required Client Information:

Company: AECOM
Address: 332 Minnesota Street E1000 St. Paul MN
Email To: Bill Gregg
Phone: 651-222-0841 Fax:
Requested Due Date/TAT: STD

Section B Required Project Information:

Report To: Bill Gregg
Copy To: Chris Boehm Carlson
Purchase Order No.:
Project Name: Superior, Water, Light & Power
Project Number: 60154982

Section C Invoice Information:

Attention: Bill Gregg
Company Name: AECOM
Address:
Pace Quote Reference:
Pace Project Manager: Carol Davy
Pace Profile #:

REGULATORY AGENCY

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

Site Location STATE: WI

62 of 63

Section D Required Client Information

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

Matrix Codes MATRIX / CODE

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

Requested Analysis Filtered (Y/N): Y/N → N, N

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test: VOC 8260	Analysis Test: PAH 8270	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MW-4	WT	G			4/14/11	0800		5	2			3					X	X		10154577001
2	MW-6					4/13/11	1545														002
3	MW-7					4/13/11	1445														003
4	MW-8					4/14/11	1325														004
5	MW-9						1410														005
6	MW-10						0945														006
7	MW-11						0900														007
8	MW-15						1125														008
9	MW-20						1040														009
10	MW-22						1445														010
11	DUP-1					4/13/11	—														011
12	Trip Blank	↓	–			↓	—		2				2					↓	↓		012

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	AECOM	4/15/11	0755	PAH	4-15-11	07:55	0.6	Y	N	Y
							0.6			
							1.2			

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Dan Phelps
SIGNATURE of SAMPLER:
DATE Signed (MM/DD/YY): 4/13/11

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

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

Sample Condition Upon Receipt

Pace Analytical

Client Name: Aecom Project # 10154577

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

Tracking #: _____

Optional: Proj. Due Date: Proj. Name:

Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals Intact: ☐ yes ☐ no

Packing Material: ☒ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other _____ Temp Blank: Yes X No _____

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

Cooler Temperature 0.6, 0.6, 1.2 Biological Tissue is Frozen: Yes No

Temp should be above freezing to 6°C

Date and initials of person examining contents: 4-15-11 A

Comments:

Chain of Custody Present:	☒Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☒Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☒Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☒Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☒Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes ☒No ☐N/A	6.
Rush Turn Around Time Requested:	☐Yes ☒No ☐N/A	7.
Sufficient Volume:	☒Yes ☐No ☐N/A	8.
Correct Containers Used:	☒Yes ☐No ☐N/A	9.
-Pace Containers Used:	☒Yes ☐No ☐N/A	
Containers Intact:	☒Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☒N/A	11.
Sample Labels match COC: -Includes date/time/ID/Analysis Matrix: WT	☒Yes ☐No ☐N/A	12.
All containers needing acid/base preservation have been checked. Noncompliance are noted in 13.	☐Yes ☐No ☒N/A	13. ☐ HNO3 ☐ H2SO4 ☐ NaOH ☐ HCl Samp #
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes ☐No ☒N/A	
Exceptions: VOA, Coliform, TOC, Oil and Grease, WI-DRO (water)	☒Yes ☐No	Initial when completed / Lot # of added preservative
Samples checked for dechlorination:	☐Yes ☐No ☒N/A	14.
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): 031111-1		

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: Lori Peterson **Date:** 4/15/11

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

Pace Analytical Services, Inc.
1700 Elm Street SE, Suite 200, Minneapolis, MN 55414

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Minneapolis, MN 55414
(612)607-1700

November 18, 2011

Bill Gregg
Summit Envirosolutions
1217 Bandana Blvd
Saint Paul, MN 55108

RE: Project: 2118-0001 Superior MGP
Pace Project No.: 10174972

Dear Bill Gregg:
Enclosed are the analytical results for sample(s) received by the laboratory on November 04, 2011. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Mariah Peronto

mariah.peronto@pacelabs.com
Project Manager

Enclosures

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

CERTIFICATIONS

Project: 2118-0001 Superior MGP
Pace Project No.: 10174972

Minnesota Certification IDs

1700 Elm Street SE Suite 200, Minneapolis, MN 55414
A2LA Certification #: 2926.01
Alaska Certification #: UST-078
Alaska Certification #MN00064
Arizona Certification #: AZ-0014
Arkansas Certification #: 88-0680
California Certification #: 01155CA
EPA Region 8 Certification #: Pace
Florida/NELAP Certification #: E87605
Georgia Certification #: 959
Idaho Certification #: MN00064
Illinois Certification #: 200011
Iowa Certification #: 368
Kansas Certification #: E-10167
Louisiana Certification #: 03086
Louisiana Certification #: LA080009
Maine Certification #: 2007029
Maryland Certification #: 322
Michigan DEQ Certification #: 9909
Minnesota Certification #: 027-053-137
Mississippi Certification #: Pace
Montana Certification #: MT CERT0092
Nevada Certification #: MN_00064
Nebraska Certification #: Pace
New Jersey Certification #: MN-002
New Mexico Certification #: Pace
New York Certification #: 11647
North Carolina Certification #: 530
North Dakota Certification #: R-036
North Dakota Certification #: R-036A
Ohio VAP Certification #: CL101
Oklahoma Certification #: D9921
Oklahoma Certification #: 9507
Oregon Certification #: MN200001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification
Tennessee Certification #: 02818
Texas Certification #: T104704192
Washington Certification #: C754
Wisconsin Certification #: 999407970

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SAMPLE SUMMARY

Project: 2118-0001 Superior MGP
Pace Project No.: 10174972

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10174972001	**MW-1**	Water	11/03/11 11:45	11/04/11 16:56
10174972002	**MW-2**	Water	11/03/11 14:00	11/04/11 16:56
10174972003	**MW-3**	Water	11/03/11 16:30	11/04/11 16:56
10174972004	**MW-5**	Water	11/03/11 15:30	11/04/11 16:56
10174972005	**MW-6**	Water	11/03/11 14:35	11/04/11 16:56
10174972006	**MW-7**	Water	11/04/11 11:50	11/04/11 16:56
10174972007	**MW-8**	Water	11/04/11 13:00	11/04/11 16:56
10174972008	**MW-9**	Water	11/04/11 13:25	11/04/11 16:56
10174972009	**MW-10**	Water	11/04/11 10:00	11/04/11 16:56
10174972010	**MW-11**	Water	11/04/11 08:20	11/04/11 16:56
10174972011	**MW-13**	Water	11/03/11 17:00	11/04/11 16:56
10174972012	**MW-14**	Water	11/03/11 17:20	11/04/11 16:56
10174972013	**MW-15**	Water	11/04/11 11:20	11/04/11 16:56
10174972014	**MW-20**	Water	11/04/11 10:40	11/04/11 16:56
10174972015	**MW-22**	Water	11/04/11 09:00	11/04/11 16:56
10174972016	**MW-5 (DUP)**	Water	11/03/11 15:30	11/04/11 16:56
10174972017	**Trip Blank**	Water	11/03/11 00:00	11/04/11 16:56

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SAMPLE ANALYTE COUNT

Project: 2118-0001 Superior MGP
Pace Project No.: 10174972

Lab ID	Sample ID	Method	Analysts	Analytes Reported
10174972001	**MW-1**	EPA 8270 by SIM	JLR	18
		EPA 8260	SE	73
10174972002	**MW-2**	EPA 8270 by SIM	JLR	18
		EPA 8260	SE	73
10174972003	**MW-3**	EPA 8270 by SIM	JLR	18
		EPA 8260	ECB	73
10174972004	**MW-5**	EPA 8270 by SIM	JLR	18
		EPA 8260	SE	73
10174972005	**MW-6**	EPA 8270 by SIM	JLR	18
		EPA 8260	ECB	73
10174972006	**MW-7**	EPA 8270 by SIM	JLR	18
		EPA 8260	DJT	73
10174972007	**MW-8**	EPA 8270 by SIM	JLR	18
		EPA 8260	DJT	73
10174972008	**MW-9**	EPA 8270 by SIM	JLR	18
		EPA 8260	SE	73
10174972009	**MW-10**	EPA 8270 by SIM	JLR	18
		EPA 8260	SE	73
10174972010	**MW-11**	EPA 8270 by SIM	JLR	18
		EPA 8260	SE	73
10174972011	**MW-13**	EPA 8270 by SIM	JLR	18
		EPA 8260	SE	73
10174972012	**MW-14**	EPA 8270 by SIM	JLR	18
		EPA 8260	SE	73
10174972013	**MW-15**	EPA 8270 by SIM	JLR	18
		EPA 8260	ECB	73
10174972014	**MW-20**	EPA 8270 by SIM	JLR	18
		EPA 8260	DJT, SE	73
10174972015	**MW-22**	EPA 8270 by SIM	JLR	18
		EPA 8260	ECB	73
10174972016	**MW-5 (DUP)**	EPA 8270 by SIM	JLR	18
		EPA 8260	ECB	73
10174972017	**Trip Blank**	EPA 8260	SE	73

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ANALYTICAL RESULTS

Project: 2118-0001 Superior MGP
Pace Project No.: 10174972

Sample: MW-1 **Lab ID: 10174972001** Collected: 11/03/11 11:45 Received: 11/04/11 16:56 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Acenaphthene	ND	ug/L	0.040	0.0040	1	11/08/11 07:51	11/09/11 12:13	83-32-9	
Acenaphthylene	ND	ug/L	0.040	0.0040	1	11/08/11 07:51	11/09/11 12:13	208-96-8	
Anthracene	ND	ug/L	0.040	0.017	1	11/08/11 07:51	11/09/11 12:13	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.040	0.0061	1	11/08/11 07:51	11/09/11 12:13	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.040	0.0051	1	11/08/11 07:51	11/09/11 12:13	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.040	0.0061	1	11/08/11 07:51	11/09/11 12:13	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.040	0.0061	1	11/08/11 07:51	11/09/11 12:13	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.040	0.0071	1	11/08/11 07:51	11/09/11 12:13	207-08-9	
Chrysene	ND	ug/L	0.040	0.0061	1	11/08/11 07:51	11/09/11 12:13	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.040	0.020	1	11/08/11 07:51	11/09/11 12:13	53-70-3	
Fluoranthene	ND	ug/L	0.040	0.0051	1	11/08/11 07:51	11/09/11 12:13	206-44-0	
Fluorene	ND	ug/L	0.040	0.0051	1	11/08/11 07:51	11/09/11 12:13	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.040	0.0051	1	11/08/11 07:51	11/09/11 12:13	193-39-5	
Naphthalene	ND	ug/L	0.040	0.013	1	11/08/11 07:51	11/09/11 12:13	91-20-3	
Phenanthrene	ND	ug/L	0.040	0.019	1	11/08/11 07:51	11/09/11 12:13	85-01-8	
Pyrene	ND	ug/L	0.040	0.0051	1	11/08/11 07:51	11/09/11 12:13	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	74	%	56-125		1	11/08/11 07:51	11/09/11 12:13	321-60-8	
Terphenyl-d14 (S)	77	%	58-125		1	11/08/11 07:51	11/09/11 12:13	1718-51-0	
8260 VOC	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	12.5	1		11/12/11 00:52	67-64-1	
Allyl chloride	ND	ug/L	4.0	0.51	1		11/12/11 00:52	107-05-1	
Benzene	ND	ug/L	1.0	0.36	1		11/12/11 00:52	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.31	1		11/12/11 00:52	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.22	1		11/12/11 00:52	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.23	1		11/12/11 00:52	75-27-4	
Bromoform	ND	ug/L	4.0	2.0	1		11/12/11 00:52	75-25-2	
Bromomethane	ND	ug/L	4.0	0.36	1		11/12/11 00:52	74-83-9	
2-Butanone (MEK)	ND	ug/L	4.0	2.0	1		11/12/11 00:52	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	0.38	1		11/12/11 00:52	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.37	1		11/12/11 00:52	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.47	1		11/12/11 00:52	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	0.38	1		11/12/11 00:52	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.33	1		11/12/11 00:52	108-90-7	
Chloroethane	ND	ug/L	1.0	0.32	1		11/12/11 00:52	75-00-3	
Chloroform	ND	ug/L	1.0	0.34	1		11/12/11 00:52	67-66-3	
Chloromethane	ND	ug/L	4.0	0.36	1		11/12/11 00:52	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.37	1		11/12/11 00:52	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.29	1		11/12/11 00:52	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1.2	1		11/12/11 00:52	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		11/12/11 00:52	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.26	1		11/12/11 00:52	106-93-4	
Dibromomethane	ND	ug/L	4.0	0.48	1		11/12/11 00:52	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.31	1		11/12/11 00:52	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.40	1		11/12/11 00:52	541-73-1	

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ANALYTICAL RESULTS

Project: 2118-0001 Superior MGP
Pace Project No.: 10174972

Sample: MW-1 **Lab ID: 10174972001** Collected: 11/03/11 11:45 Received: 11/04/11 16:56 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260								
1,4-Dichlorobenzene	ND	ug/L	1.0	0.34	1		11/12/11 00:52	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.23	1		11/12/11 00:52	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.23	1		11/12/11 00:52	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.23	1		11/12/11 00:52	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.47	1		11/12/11 00:52	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.37	1		11/12/11 00:52	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	4.0	0.21	1		11/12/11 00:52	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	0.25	1		11/12/11 00:52	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	0.41	1		11/12/11 00:52	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.36	1		11/12/11 00:52	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	0.42	1		11/12/11 00:52	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.46	1		11/12/11 00:52	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	0.27	1		11/12/11 00:52	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	0.18	1		11/12/11 00:52	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	0.28	1		11/12/11 00:52	60-29-7	
Ethylbenzene	ND	ug/L	1.0	0.38	1		11/12/11 00:52	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	0.20	1		11/12/11 00:52	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.36	1		11/12/11 00:52	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.36	1		11/12/11 00:52	99-87-6	
Methylene Chloride	ND	ug/L	4.0	2.0	1		11/12/11 00:52	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	4.0	2.0	1		11/12/11 00:52	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.24	1		11/12/11 00:52	1634-04-4	
Naphthalene	ND	ug/L	4.0	0.57	1		11/12/11 00:52	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.42	1		11/12/11 00:52	103-65-1	
Styrene	ND	ug/L	1.0	0.35	1		11/12/11 00:52	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.35	1		11/12/11 00:52	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.17	1		11/12/11 00:52	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.26	1		11/12/11 00:52	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	4.1	1		11/12/11 00:52	109-99-9	
Toluene	ND	ug/L	1.0	0.39	1		11/12/11 00:52	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.29	1		11/12/11 00:52	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.33	1		11/12/11 00:52	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.26	1		11/12/11 00:52	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.38	1		11/12/11 00:52	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.20	1		11/12/11 00:52	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		11/12/11 00:52	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	0.25	1		11/12/11 00:52	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	0.49	1		11/12/11 00:52	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.26	1		11/12/11 00:52	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.38	1		11/12/11 00:52	108-67-8	
Vinyl chloride	ND	ug/L	0.40	0.17	1		11/12/11 00:52	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1.1	1		11/12/11 00:52	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		11/12/11 00:52	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.46	1		11/12/11 00:52	95-47-6	
Surrogates									
Dibromofluoromethane (S)	101	%	75-125		1		11/12/11 00:52	1868-53-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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ANALYTICAL RESULTS

Project: 2118-0001 Superior MGP
Pace Project No.: 10174972

Sample: MW-1 **Lab ID: 10174972001** Collected: 11/03/11 11:45 Received: 11/04/11 16:56 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260								
Surrogates									
1,2-Dichloroethane-d4 (S)	104	%	75-125		1		11/12/11 00:52	17060-07-0	
Toluene-d8 (S)	95	%	75-125		1		11/12/11 00:52	2037-26-5	
4-Bromofluorobenzene (S)	95	%	75-125		1		11/12/11 00:52	460-00-4	

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ANALYTICAL RESULTS

Project: 2118-0001 Superior MGP
Pace Project No.: 10174972

Sample: MW-2 **Lab ID: 10174972002** Collected: 11/03/11 14:00 Received: 11/04/11 16:56 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Acenaphthene	ND	ug/L	0.041	0.0041	1	11/08/11 07:51	11/09/11 12:31	83-32-9	
Acenaphthylene	ND	ug/L	0.041	0.0041	1	11/08/11 07:51	11/09/11 12:31	208-96-8	
Anthracene	ND	ug/L	0.041	0.017	1	11/08/11 07:51	11/09/11 12:31	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.041	0.0061	1	11/08/11 07:51	11/09/11 12:31	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.041	0.0051	1	11/08/11 07:51	11/09/11 12:31	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.041	0.0061	1	11/08/11 07:51	11/09/11 12:31	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.041	0.0061	1	11/08/11 07:51	11/09/11 12:31	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.041	0.0071	1	11/08/11 07:51	11/09/11 12:31	207-08-9	
Chrysene	ND	ug/L	0.041	0.0061	1	11/08/11 07:51	11/09/11 12:31	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.041	0.020	1	11/08/11 07:51	11/09/11 12:31	53-70-3	
Fluoranthene	ND	ug/L	0.041	0.0051	1	11/08/11 07:51	11/09/11 12:31	206-44-0	
Fluorene	ND	ug/L	0.041	0.0051	1	11/08/11 07:51	11/09/11 12:31	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.041	0.0051	1	11/08/11 07:51	11/09/11 12:31	193-39-5	
Naphthalene	ND	ug/L	0.041	0.013	1	11/08/11 07:51	11/09/11 12:31	91-20-3	
Phenanthrene	ND	ug/L	0.041	0.019	1	11/08/11 07:51	11/09/11 12:31	85-01-8	
Pyrene	ND	ug/L	0.041	0.0051	1	11/08/11 07:51	11/09/11 12:31	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	79	%	56-125		1	11/08/11 07:51	11/09/11 12:31	321-60-8	
Terphenyl-d14 (S)	80	%	58-125		1	11/08/11 07:51	11/09/11 12:31	1718-51-0	
8260 VOC	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	12.5	1		11/12/11 01:08	67-64-1	
Allyl chloride	ND	ug/L	4.0	0.51	1		11/12/11 01:08	107-05-1	
Benzene	ND	ug/L	1.0	0.36	1		11/12/11 01:08	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.31	1		11/12/11 01:08	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.22	1		11/12/11 01:08	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.23	1		11/12/11 01:08	75-27-4	
Bromoform	ND	ug/L	4.0	2.0	1		11/12/11 01:08	75-25-2	
Bromomethane	ND	ug/L	4.0	0.36	1		11/12/11 01:08	74-83-9	
2-Butanone (MEK)	ND	ug/L	4.0	2.0	1		11/12/11 01:08	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	0.38	1		11/12/11 01:08	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.37	1		11/12/11 01:08	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.47	1		11/12/11 01:08	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	0.38	1		11/12/11 01:08	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.33	1		11/12/11 01:08	108-90-7	
Chloroethane	ND	ug/L	1.0	0.32	1		11/12/11 01:08	75-00-3	
Chloroform	ND	ug/L	1.0	0.34	1		11/12/11 01:08	67-66-3	
Chloromethane	ND	ug/L	4.0	0.36	1		11/12/11 01:08	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.37	1		11/12/11 01:08	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.29	1		11/12/11 01:08	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1.2	1		11/12/11 01:08	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		11/12/11 01:08	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.26	1		11/12/11 01:08	106-93-4	
Dibromomethane	ND	ug/L	4.0	0.48	1		11/12/11 01:08	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.31	1		11/12/11 01:08	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.40	1		11/12/11 01:08	541-73-1	

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ANALYTICAL RESULTS

Project: 2118-0001 Superior MGP
Pace Project No.: 10174972

Sample: MW-2 **Lab ID: 10174972002** Collected: 11/03/11 14:00 Received: 11/04/11 16:56 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260								
1,4-Dichlorobenzene	ND	ug/L	1.0	0.34	1		11/12/11 01:08	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.23	1		11/12/11 01:08	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.23	1		11/12/11 01:08	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.23	1		11/12/11 01:08	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.47	1		11/12/11 01:08	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.37	1		11/12/11 01:08	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	4.0	0.21	1		11/12/11 01:08	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	0.25	1		11/12/11 01:08	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	0.41	1		11/12/11 01:08	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.36	1		11/12/11 01:08	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	0.42	1		11/12/11 01:08	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.46	1		11/12/11 01:08	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	0.27	1		11/12/11 01:08	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	0.18	1		11/12/11 01:08	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	0.28	1		11/12/11 01:08	60-29-7	
Ethylbenzene	ND	ug/L	1.0	0.38	1		11/12/11 01:08	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	0.20	1		11/12/11 01:08	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.36	1		11/12/11 01:08	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.36	1		11/12/11 01:08	99-87-6	
Methylene Chloride	ND	ug/L	4.0	2.0	1		11/12/11 01:08	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	4.0	2.0	1		11/12/11 01:08	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.24	1		11/12/11 01:08	1634-04-4	
Naphthalene	ND	ug/L	4.0	0.57	1		11/12/11 01:08	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.42	1		11/12/11 01:08	103-65-1	
Styrene	ND	ug/L	1.0	0.35	1		11/12/11 01:08	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.35	1		11/12/11 01:08	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.17	1		11/12/11 01:08	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.26	1		11/12/11 01:08	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	4.1	1		11/12/11 01:08	109-99-9	
Toluene	ND	ug/L	1.0	0.39	1		11/12/11 01:08	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.29	1		11/12/11 01:08	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.33	1		11/12/11 01:08	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.26	1		11/12/11 01:08	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.38	1		11/12/11 01:08	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.20	1		11/12/11 01:08	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		11/12/11 01:08	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	0.25	1		11/12/11 01:08	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	0.49	1		11/12/11 01:08	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.26	1		11/12/11 01:08	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.38	1		11/12/11 01:08	108-67-8	
Vinyl chloride	ND	ug/L	0.40	0.17	1		11/12/11 01:08	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1.1	1		11/12/11 01:08	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		11/12/11 01:08	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.46	1		11/12/11 01:08	95-47-6	
Surrogates									
Dibromofluoromethane (S)	102	%	75-125		1		11/12/11 01:08	1868-53-7	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 2118-0001 Superior MGP
Pace Project No.: 10174972

Sample: MW-2 **Lab ID: 10174972002** Collected: 11/03/11 14:00 Received: 11/04/11 16:56 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260								
Surrogates									
1,2-Dichloroethane-d4 (S)	103	%	75-125		1		11/12/11 01:08	17060-07-0	
Toluene-d8 (S)	96	%	75-125		1		11/12/11 01:08	2037-26-5	
4-Bromofluorobenzene (S)	94	%	75-125		1		11/12/11 01:08	460-00-4	

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ANALYTICAL RESULTS

Project: 2118-0001 Superior MGP
Pace Project No.: 10174972

Sample: MW-3 **Lab ID: 10174972003** Collected: 11/03/11 16:30 Received: 11/04/11 16:56 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Acenaphthene	**1.8**	ug/L	0.041	0.0041	1	11/08/11 07:51	11/09/11 12:49	83-32-9	
Acenaphthylene	**0.80**	ug/L	0.041	0.0041	1	11/08/11 07:51	11/09/11 12:49	208-96-8	
Anthracene	**0.97**	ug/L	0.041	0.018	1	11/08/11 07:51	11/09/11 12:49	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.041	0.0062	1	11/08/11 07:51	11/09/11 12:49	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.041	0.0052	1	11/08/11 07:51	11/09/11 12:49	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.041	0.0062	1	11/08/11 07:51	11/09/11 12:49	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.041	0.0062	1	11/08/11 07:51	11/09/11 12:49	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.041	0.0072	1	11/08/11 07:51	11/09/11 12:49	207-08-9	
Chrysene	ND	ug/L	0.041	0.0062	1	11/08/11 07:51	11/09/11 12:49	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.041	0.021	1	11/08/11 07:51	11/09/11 12:49	53-70-3	
Fluoranthene	**0.32**	ug/L	0.041	0.0052	1	11/08/11 07:51	11/09/11 12:49	206-44-0	
Fluorene	**3.2**	ug/L	0.041	0.0052	1	11/08/11 07:51	11/09/11 12:49	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.041	0.0052	1	11/08/11 07:51	11/09/11 12:49	193-39-5	
Naphthalene	**1.3**	ug/L	0.041	0.013	1	11/08/11 07:51	11/09/11 12:49	91-20-3	
Phenanthrene	**5.2**	ug/L	0.041	0.020	1	11/08/11 07:51	11/09/11 12:49	85-01-8	
Pyrene	**0.30**	ug/L	0.041	0.0052	1	11/08/11 07:51	11/09/11 12:49	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	73	%	56-125		1	11/08/11 07:51	11/09/11 12:49	321-60-8	
Terphenyl-d14 (S)	83	%	58-125		1	11/08/11 07:51	11/09/11 12:49	1718-51-0	
8260 VOC	Analytical Method: EPA 8260								
Acetone	ND	ug/L	500	250	20		11/14/11 13:59	67-64-1	
Allyl chloride	ND	ug/L	80.0	10.2	20		11/14/11 13:59	107-05-1	
Benzene	**2160**	ug/L	20.0	7.2	20		11/14/11 13:59	71-43-2	
Bromobenzene	ND	ug/L	20.0	6.2	20		11/14/11 13:59	108-86-1	
Bromochloromethane	ND	ug/L	20.0	4.4	20		11/14/11 13:59	74-97-5	
Bromodichloromethane	ND	ug/L	20.0	4.6	20		11/14/11 13:59	75-27-4	
Bromoform	ND	ug/L	80.0	40.0	20		11/14/11 13:59	75-25-2	
Bromomethane	ND	ug/L	80.0	7.2	20		11/14/11 13:59	74-83-9	
2-Butanone (MEK)	ND	ug/L	80.0	40.0	20		11/14/11 13:59	78-93-3	
n-Butylbenzene	ND	ug/L	20.0	7.6	20		11/14/11 13:59	104-51-8	
sec-Butylbenzene	ND	ug/L	20.0	7.4	20		11/14/11 13:59	135-98-8	
tert-Butylbenzene	ND	ug/L	20.0	9.4	20		11/14/11 13:59	98-06-6	
Carbon tetrachloride	ND	ug/L	20.0	7.6	20		11/14/11 13:59	56-23-5	
Chlorobenzene	ND	ug/L	20.0	6.6	20		11/14/11 13:59	108-90-7	
Chloroethane	ND	ug/L	20.0	6.4	20		11/14/11 13:59	75-00-3	
Chloroform	ND	ug/L	20.0	6.8	20		11/14/11 13:59	67-66-3	
Chloromethane	ND	ug/L	80.0	7.2	20		11/14/11 13:59	74-87-3	
2-Chlorotoluene	ND	ug/L	20.0	7.4	20		11/14/11 13:59	95-49-8	
4-Chlorotoluene	ND	ug/L	20.0	5.8	20		11/14/11 13:59	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	80.0	24.6	20		11/14/11 13:59	96-12-8	
Dibromochloromethane	ND	ug/L	20.0	7.2	20		11/14/11 13:59	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	20.0	5.2	20		11/14/11 13:59	106-93-4	
Dibromomethane	ND	ug/L	80.0	9.6	20		11/14/11 13:59	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	20.0	6.2	20		11/14/11 13:59	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	20.0	8.0	20		11/14/11 13:59	541-73-1	

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ANALYTICAL RESULTS

Project: 2118-0001 Superior MGP
Pace Project No.: 10174972

Sample: MW-3 **Lab ID: 10174972003** Collected: 11/03/11 16:30 Received: 11/04/11 16:56 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260								
1,4-Dichlorobenzene	ND	ug/L	20.0	6.8	20		11/14/11 13:59	106-46-7	
Dichlorodifluoromethane	ND	ug/L	20.0	4.6	20		11/14/11 13:59	75-71-8	
1,1-Dichloroethane	ND	ug/L	20.0	4.6	20		11/14/11 13:59	75-34-3	
1,2-Dichloroethane	ND	ug/L	20.0	4.6	20		11/14/11 13:59	107-06-2	
1,1-Dichloroethene	ND	ug/L	20.0	9.4	20		11/14/11 13:59	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	20.0	7.4	20		11/14/11 13:59	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	80.0	4.2	20		11/14/11 13:59	156-60-5	
Dichlorofluoromethane	ND	ug/L	20.0	5.0	20		11/14/11 13:59	75-43-4	
1,2-Dichloropropane	ND	ug/L	80.0	8.2	20		11/14/11 13:59	78-87-5	
1,3-Dichloropropane	ND	ug/L	20.0	7.2	20		11/14/11 13:59	142-28-9	
2,2-Dichloropropane	ND	ug/L	80.0	8.4	20		11/14/11 13:59	594-20-7	
1,1-Dichloropropene	ND	ug/L	20.0	9.2	20		11/14/11 13:59	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	80.0	5.4	20		11/14/11 13:59	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	80.0	3.6	20		11/14/11 13:59	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	80.0	5.6	20		11/14/11 13:59	60-29-7	
Ethylbenzene	**108**	ug/L	20.0	7.6	20		11/14/11 13:59	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	100	4.0	20		11/14/11 13:59	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	20.0	7.2	20		11/14/11 13:59	98-82-8	
p-Isopropyltoluene	ND	ug/L	20.0	7.2	20		11/14/11 13:59	99-87-6	
Methylene Chloride	ND	ug/L	80.0	40.0	20		11/14/11 13:59	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	80.0	40.0	20		11/14/11 13:59	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	20.0	4.8	20		11/14/11 13:59	1634-04-4	
Naphthalene	ND	ug/L	80.0	11.4	20		11/14/11 13:59	91-20-3	
n-Propylbenzene	ND	ug/L	20.0	8.4	20		11/14/11 13:59	103-65-1	
Styrene	ND	ug/L	20.0	7.0	20		11/14/11 13:59	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	20.0	7.0	20		11/14/11 13:59	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	20.0	3.4	20		11/14/11 13:59	79-34-5	
Tetrachloroethene	ND	ug/L	20.0	5.2	20		11/14/11 13:59	127-18-4	
Tetrahydrofuran	ND	ug/L	200	82.0	20		11/14/11 13:59	109-99-9	
Toluene	ND	ug/L	20.0	7.8	20		11/14/11 13:59	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	20.0	5.8	20		11/14/11 13:59	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	20.0	6.6	20		11/14/11 13:59	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	20.0	5.2	20		11/14/11 13:59	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	20.0	7.6	20		11/14/11 13:59	79-00-5	
Trichloroethene	ND	ug/L	20.0	4.0	20		11/14/11 13:59	79-01-6	
Trichlorofluoromethane	ND	ug/L	20.0	6.0	20		11/14/11 13:59	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	80.0	5.0	20		11/14/11 13:59	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	20.0	9.8	20		11/14/11 13:59	76-13-1	
1,2,4-Trimethylbenzene	**67.2**	ug/L	20.0	5.2	20		11/14/11 13:59	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	20.0	7.6	20		11/14/11 13:59	108-67-8	
Vinyl chloride	ND	ug/L	8.0	3.4	20		11/14/11 13:59	75-01-4	
Xylene (Total)	ND	ug/L	60.0	22.4	20		11/14/11 13:59	1330-20-7	
m&p-Xylene	ND	ug/L	40.0	13.2	20		11/14/11 13:59	179601-23-1	
o-Xylene	ND	ug/L	20.0	9.2	20		11/14/11 13:59	95-47-6	
Surrogates									
Dibromofluoromethane (S)	109	%	75-125		20		11/14/11 13:59	1868-53-7	

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ANALYTICAL RESULTS

Project: 2118-0001 Superior MGP
Pace Project No.: 10174972

Sample: MW-3 **Lab ID: 10174972003** Collected: 11/03/11 16:30 Received: 11/04/11 16:56 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260								
Surrogates									
1,2-Dichloroethane-d4 (S)	107	%	75-125		20		11/14/11 13:59	17060-07-0	
Toluene-d8 (S)	95	%	75-125		20		11/14/11 13:59	2037-26-5	
4-Bromofluorobenzene (S)	103	%	75-125		20		11/14/11 13:59	460-00-4	

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ANALYTICAL RESULTS

Project: 2118-0001 Superior MGP
Pace Project No.: 10174972

Sample: MW-5 **Lab ID: 10174972004** Collected: 11/03/11 15:30 Received: 11/04/11 16:56 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Acenaphthene	**0.32**	ug/L	0.042	0.0042	1	11/08/11 07:51	11/09/11 13:08	83-32-9	
Acenaphthylene	ND	ug/L	0.042	0.0042	1	11/08/11 07:51	11/09/11 13:08	208-96-8	
Anthracene	ND	ug/L	0.042	0.018	1	11/08/11 07:51	11/09/11 13:08	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.042	0.0063	1	11/08/11 07:51	11/09/11 13:08	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.042	0.0053	1	11/08/11 07:51	11/09/11 13:08	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.042	0.0063	1	11/08/11 07:51	11/09/11 13:08	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.042	0.0063	1	11/08/11 07:51	11/09/11 13:08	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.042	0.0074	1	11/08/11 07:51	11/09/11 13:08	207-08-9	
Chrysene	ND	ug/L	0.042	0.0063	1	11/08/11 07:51	11/09/11 13:08	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.042	0.021	1	11/08/11 07:51	11/09/11 13:08	53-70-3	
Fluoranthene	ND	ug/L	0.042	0.0053	1	11/08/11 07:51	11/09/11 13:08	206-44-0	
Fluorene	**0.16**	ug/L	0.042	0.0053	1	11/08/11 07:51	11/09/11 13:08	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.042	0.0053	1	11/08/11 07:51	11/09/11 13:08	193-39-5	
Naphthalene	**0.13**	ug/L	0.042	0.014	1	11/08/11 07:51	11/09/11 13:08	91-20-3	
Phenanthrene	ND	ug/L	0.042	0.020	1	11/08/11 07:51	11/09/11 13:08	85-01-8	
Pyrene	ND	ug/L	0.042	0.0053	1	11/08/11 07:51	11/09/11 13:08	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	73	%	56-125		1	11/08/11 07:51	11/09/11 13:08	321-60-8	
Terphenyl-d14 (S)	77	%	58-125		1	11/08/11 07:51	11/09/11 13:08	1718-51-0	
8260 VOC	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	12.5	1		11/12/11 01:24	67-64-1	
Allyl chloride	ND	ug/L	4.0	0.51	1		11/12/11 01:24	107-05-1	
Benzene	ND	ug/L	1.0	0.36	1		11/12/11 01:24	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.31	1		11/12/11 01:24	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.22	1		11/12/11 01:24	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.23	1		11/12/11 01:24	75-27-4	
Bromoform	ND	ug/L	4.0	2.0	1		11/12/11 01:24	75-25-2	
Bromomethane	ND	ug/L	4.0	0.36	1		11/12/11 01:24	74-83-9	
2-Butanone (MEK)	ND	ug/L	4.0	2.0	1		11/12/11 01:24	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	0.38	1		11/12/11 01:24	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.37	1		11/12/11 01:24	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.47	1		11/12/11 01:24	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	0.38	1		11/12/11 01:24	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.33	1		11/12/11 01:24	108-90-7	
Chloroethane	ND	ug/L	1.0	0.32	1		11/12/11 01:24	75-00-3	
Chloroform	ND	ug/L	1.0	0.34	1		11/12/11 01:24	67-66-3	
Chloromethane	ND	ug/L	4.0	0.36	1		11/12/11 01:24	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.37	1		11/12/11 01:24	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.29	1		11/12/11 01:24	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1.2	1		11/12/11 01:24	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		11/12/11 01:24	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.26	1		11/12/11 01:24	106-93-4	
Dibromomethane	ND	ug/L	4.0	0.48	1		11/12/11 01:24	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.31	1		11/12/11 01:24	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.40	1		11/12/11 01:24	541-73-1	

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ANALYTICAL RESULTS

Project: 2118-0001 Superior MGP
Pace Project No.: 10174972

Sample: MW-5 **Lab ID: 10174972004** Collected: 11/03/11 15:30 Received: 11/04/11 16:56 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260								
1,4-Dichlorobenzene	ND	ug/L	1.0	0.34	1		11/12/11 01:24	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.23	1		11/12/11 01:24	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.23	1		11/12/11 01:24	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.23	1		11/12/11 01:24	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.47	1		11/12/11 01:24	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.37	1		11/12/11 01:24	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	4.0	0.21	1		11/12/11 01:24	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	0.25	1		11/12/11 01:24	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	0.41	1		11/12/11 01:24	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.36	1		11/12/11 01:24	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	0.42	1		11/12/11 01:24	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.46	1		11/12/11 01:24	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	0.27	1		11/12/11 01:24	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	0.18	1		11/12/11 01:24	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	0.28	1		11/12/11 01:24	60-29-7	
Ethylbenzene	ND	ug/L	1.0	0.38	1		11/12/11 01:24	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	0.20	1		11/12/11 01:24	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.36	1		11/12/11 01:24	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.36	1		11/12/11 01:24	99-87-6	
Methylene Chloride	ND	ug/L	4.0	2.0	1		11/12/11 01:24	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	4.0	2.0	1		11/12/11 01:24	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.24	1		11/12/11 01:24	1634-04-4	
Naphthalene	ND	ug/L	4.0	0.57	1		11/12/11 01:24	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.42	1		11/12/11 01:24	103-65-1	
Styrene	ND	ug/L	1.0	0.35	1		11/12/11 01:24	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.35	1		11/12/11 01:24	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.17	1		11/12/11 01:24	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.26	1		11/12/11 01:24	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	4.1	1		11/12/11 01:24	109-99-9	
Toluene	ND	ug/L	1.0	0.39	1		11/12/11 01:24	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.29	1		11/12/11 01:24	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.33	1		11/12/11 01:24	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.26	1		11/12/11 01:24	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.38	1		11/12/11 01:24	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.20	1		11/12/11 01:24	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		11/12/11 01:24	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	0.25	1		11/12/11 01:24	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	0.49	1		11/12/11 01:24	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.26	1		11/12/11 01:24	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.38	1		11/12/11 01:24	108-67-8	
Vinyl chloride	ND	ug/L	0.40	0.17	1		11/12/11 01:24	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1.1	1		11/12/11 01:24	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		11/12/11 01:24	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.46	1		11/12/11 01:24	95-47-6	
Surrogates									
Dibromofluoromethane (S)	101	%	75-125		1		11/12/11 01:24	1868-53-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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ANALYTICAL RESULTS

Project: 2118-0001 Superior MGP
Pace Project No.: 10174972

Sample: MW-5 **Lab ID: 10174972004** Collected: 11/03/11 15:30 Received: 11/04/11 16:56 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260								
Surrogates									
1,2-Dichloroethane-d4 (S)	104	%	75-125		1		11/12/11 01:24	17060-07-0	
Toluene-d8 (S)	95	%	75-125		1		11/12/11 01:24	2037-26-5	
4-Bromofluorobenzene (S)	94	%	75-125		1		11/12/11 01:24	460-00-4	

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ANALYTICAL RESULTS

Project: 2118-0001 Superior MGP
Pace Project No.: 10174972

Sample: MW-6 **Lab ID: 10174972005** Collected: 11/03/11 14:35 Received: 11/04/11 16:56 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Acenaphthene	**3.5**	ug/L	0.040	0.0040	1	11/08/11 07:51	11/09/11 13:26	83-32-9	
Acenaphthylene	**0.15**	ug/L	0.040	0.0040	1	11/08/11 07:51	11/09/11 13:26	208-96-8	
Anthracene	**0.38**	ug/L	0.040	0.017	1	11/08/11 07:51	11/09/11 13:26	120-12-7	
Benzo(a)anthracene	**0.047**	ug/L	0.040	0.0061	1	11/08/11 07:51	11/09/11 13:26	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.040	0.0051	1	11/08/11 07:51	11/09/11 13:26	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.040	0.0061	1	11/08/11 07:51	11/09/11 13:26	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.040	0.0061	1	11/08/11 07:51	11/09/11 13:26	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.040	0.0071	1	11/08/11 07:51	11/09/11 13:26	207-08-9	
Chrysene	**0.047**	ug/L	0.040	0.0061	1	11/08/11 07:51	11/09/11 13:26	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.040	0.020	1	11/08/11 07:51	11/09/11 13:26	53-70-3	
Fluoranthene	**0.62**	ug/L	0.040	0.0051	1	11/08/11 07:51	11/09/11 13:26	206-44-0	
Fluorene	**0.56**	ug/L	0.040	0.0051	1	11/08/11 07:51	11/09/11 13:26	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.040	0.0051	1	11/08/11 07:51	11/09/11 13:26	193-39-5	
Naphthalene	**7.9**	ug/L	0.040	0.013	1	11/08/11 07:51	11/09/11 13:26	91-20-3	
Phenanthrene	**2.2**	ug/L	0.040	0.019	1	11/08/11 07:51	11/09/11 13:26	85-01-8	
Pyrene	**0.69**	ug/L	0.040	0.0051	1	11/08/11 07:51	11/09/11 13:26	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	76	%	56-125		1	11/08/11 07:51	11/09/11 13:26	321-60-8	
Terphenyl-d14 (S)	87	%	58-125		1	11/08/11 07:51	11/09/11 13:26	1718-51-0	
8260 VOC	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	12.5	1		11/14/11 14:48	67-64-1	
Allyl chloride	ND	ug/L	4.0	0.51	1		11/14/11 14:48	107-05-1	
Benzene	**2.7**	ug/L	1.0	0.36	1		11/14/11 14:48	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.31	1		11/14/11 14:48	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.22	1		11/14/11 14:48	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.23	1		11/14/11 14:48	75-27-4	
Bromoform	ND	ug/L	4.0	2.0	1		11/14/11 14:48	75-25-2	
Bromomethane	ND	ug/L	4.0	0.36	1		11/14/11 14:48	74-83-9	
2-Butanone (MEK)	ND	ug/L	4.0	2.0	1		11/14/11 14:48	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	0.38	1		11/14/11 14:48	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.37	1		11/14/11 14:48	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.47	1		11/14/11 14:48	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	0.38	1		11/14/11 14:48	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.33	1		11/14/11 14:48	108-90-7	
Chloroethane	ND	ug/L	1.0	0.32	1		11/14/11 14:48	75-00-3	
Chloroform	ND	ug/L	1.0	0.34	1		11/14/11 14:48	67-66-3	
Chloromethane	ND	ug/L	4.0	0.36	1		11/14/11 14:48	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.37	1		11/14/11 14:48	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.29	1		11/14/11 14:48	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1.2	1		11/14/11 14:48	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		11/14/11 14:48	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.26	1		11/14/11 14:48	106-93-4	
Dibromomethane	ND	ug/L	4.0	0.48	1		11/14/11 14:48	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.31	1		11/14/11 14:48	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.40	1		11/14/11 14:48	541-73-1	

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ANALYTICAL RESULTS

Project: 2118-0001 Superior MGP
Pace Project No.: 10174972

Sample: MW-6 **Lab ID: 10174972005** Collected: 11/03/11 14:35 Received: 11/04/11 16:56 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260								
1,4-Dichlorobenzene	ND	ug/L	1.0	0.34	1		11/14/11 14:48	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.23	1		11/14/11 14:48	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.23	1		11/14/11 14:48	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.23	1		11/14/11 14:48	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.47	1		11/14/11 14:48	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.37	1		11/14/11 14:48	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	4.0	0.21	1		11/14/11 14:48	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	0.25	1		11/14/11 14:48	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	0.41	1		11/14/11 14:48	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.36	1		11/14/11 14:48	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	0.42	1		11/14/11 14:48	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.46	1		11/14/11 14:48	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	0.27	1		11/14/11 14:48	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	0.18	1		11/14/11 14:48	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	0.28	1		11/14/11 14:48	60-29-7	
Ethylbenzene	**1.2**	ug/L	1.0	0.38	1		11/14/11 14:48	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	0.20	1		11/14/11 14:48	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.36	1		11/14/11 14:48	98-82-8	
p-Isopropyltoluene	**2.4**	ug/L	1.0	0.36	1		11/14/11 14:48	99-87-6	
Methylene Chloride	ND	ug/L	4.0	2.0	1		11/14/11 14:48	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	4.0	2.0	1		11/14/11 14:48	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.24	1		11/14/11 14:48	1634-04-4	
Naphthalene	**14.2**	ug/L	4.0	0.57	1		11/14/11 14:48	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.42	1		11/14/11 14:48	103-65-1	
Styrene	ND	ug/L	1.0	0.35	1		11/14/11 14:48	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.35	1		11/14/11 14:48	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.17	1		11/14/11 14:48	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.26	1		11/14/11 14:48	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	4.1	1		11/14/11 14:48	109-99-9	
Toluene	**1.3**	ug/L	1.0	0.39	1		11/14/11 14:48	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.29	1		11/14/11 14:48	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.33	1		11/14/11 14:48	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.26	1		11/14/11 14:48	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.38	1		11/14/11 14:48	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.20	1		11/14/11 14:48	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		11/14/11 14:48	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	0.25	1		11/14/11 14:48	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	0.49	1		11/14/11 14:48	76-13-1	
1,2,4-Trimethylbenzene	**1.2**	ug/L	1.0	0.26	1		11/14/11 14:48	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.38	1		11/14/11 14:48	108-67-8	
Vinyl chloride	ND	ug/L	0.40	0.17	1		11/14/11 14:48	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1.1	1		11/14/11 14:48	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		11/14/11 14:48	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.46	1		11/14/11 14:48	95-47-6	
Surrogates									
Dibromofluoromethane (S)	104	%	75-125		1		11/14/11 14:48	1868-53-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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ANALYTICAL RESULTS

Project: 2118-0001 Superior MGP
Pace Project No.: 10174972

Sample: MW-6 **Lab ID: 10174972005** Collected: 11/03/11 14:35 Received: 11/04/11 16:56 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260								
Surrogates									
1,2-Dichloroethane-d4 (S)	103	%	75-125		1		11/14/11 14:48	17060-07-0	
Toluene-d8 (S)	94	%	75-125		1		11/14/11 14:48	2037-26-5	
4-Bromofluorobenzene (S)	104	%	75-125		1		11/14/11 14:48	460-00-4	

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ANALYTICAL RESULTS

Project: 2118-0001 Superior MGP
Pace Project No.: 10174972

Sample: MW-7 **Lab ID: 10174972006** Collected: 11/04/11 11:50 Received: 11/04/11 16:56 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Acenaphthene	**2.3**	ug/L	0.043	0.0043	1	11/08/11 07:51	11/09/11 14:03	83-32-9	
Acenaphthylene	**0.62**	ug/L	0.043	0.0043	1	11/08/11 07:51	11/09/11 14:03	208-96-8	
Anthracene	**0.65**	ug/L	0.043	0.018	1	11/08/11 07:51	11/09/11 14:03	120-12-7	
Benzo(a)anthracene	**0.076**	ug/L	0.043	0.0065	1	11/08/11 07:51	11/09/11 14:03	56-55-3	
Benzo(a)pyrene	**0.12**	ug/L	0.043	0.0054	1	11/08/11 07:51	11/09/11 14:03	50-32-8	
Benzo(b)fluoranthene	**0.10**	ug/L	0.043	0.0065	1	11/08/11 07:51	11/09/11 14:03	205-99-2	
Benzo(g,h,i)perylene	**0.10**	ug/L	0.043	0.0065	1	11/08/11 07:51	11/09/11 14:03	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.043	0.0076	1	11/08/11 07:51	11/09/11 14:03	207-08-9	
Chrysene	**0.089**	ug/L	0.043	0.0065	1	11/08/11 07:51	11/09/11 14:03	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.043	0.022	1	11/08/11 07:51	11/09/11 14:03	53-70-3	
Fluoranthene	**0.72**	ug/L	0.043	0.0054	1	11/08/11 07:51	11/09/11 14:03	206-44-0	
Fluorene	**1.5**	ug/L	0.043	0.0054	1	11/08/11 07:51	11/09/11 14:03	86-73-7	
Indeno(1,2,3-cd)pyrene	**0.071**	ug/L	0.043	0.0054	1	11/08/11 07:51	11/09/11 14:03	193-39-5	
Naphthalene	**132**	ug/L	0.87	0.28	20	11/08/11 07:51	11/10/11 11:50	91-20-3	
Phenanthrene	**2.6**	ug/L	0.043	0.021	1	11/08/11 07:51	11/09/11 14:03	85-01-8	
Pyrene	**0.95**	ug/L	0.043	0.0054	1	11/08/11 07:51	11/09/11 14:03	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	66	%	56-125		1	11/08/11 07:51	11/09/11 14:03	321-60-8	
Terphenyl-d14 (S)	67	%	58-125		1	11/08/11 07:51	11/09/11 14:03	1718-51-0	
8260 VOC	Analytical Method: EPA 8260								
Acetone	ND	ug/L	1250	625	50		11/11/11 16:08	67-64-1	
Allyl chloride	ND	ug/L	200	25.5	50		11/11/11 16:08	107-05-1	
Benzene	**74600**	ug/L	500	180	500		11/14/11 19:46	71-43-2	
Bromobenzene	ND	ug/L	50.0	15.5	50		11/11/11 16:08	108-86-1	
Bromochloromethane	ND	ug/L	50.0	11.0	50		11/11/11 16:08	74-97-5	
Bromodichloromethane	ND	ug/L	50.0	11.5	50		11/11/11 16:08	75-27-4	
Bromoform	ND	ug/L	200	100	50		11/11/11 16:08	75-25-2	
Bromomethane	ND	ug/L	200	18.0	50		11/11/11 16:08	74-83-9	L3
2-Butanone (MEK)	ND	ug/L	200	100	50		11/11/11 16:08	78-93-3	
n-Butylbenzene	ND	ug/L	50.0	19.0	50		11/11/11 16:08	104-51-8	
sec-Butylbenzene	ND	ug/L	50.0	18.5	50		11/11/11 16:08	135-98-8	
tert-Butylbenzene	ND	ug/L	50.0	23.5	50		11/11/11 16:08	98-06-6	
Carbon tetrachloride	ND	ug/L	50.0	19.0	50		11/11/11 16:08	56-23-5	
Chlorobenzene	ND	ug/L	50.0	16.5	50		11/11/11 16:08	108-90-7	
Chloroethane	ND	ug/L	50.0	16.0	50		11/11/11 16:08	75-00-3	L3
Chloroform	ND	ug/L	50.0	17.0	50		11/11/11 16:08	67-66-3	
Chloromethane	ND	ug/L	200	18.0	50		11/11/11 16:08	74-87-3	
2-Chlorotoluene	ND	ug/L	50.0	18.5	50		11/11/11 16:08	95-49-8	
4-Chlorotoluene	ND	ug/L	50.0	14.5	50		11/11/11 16:08	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	200	61.5	50		11/11/11 16:08	96-12-8	
Dibromochloromethane	ND	ug/L	50.0	18.0	50		11/11/11 16:08	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	50.0	13.0	50		11/11/11 16:08	106-93-4	
Dibromomethane	ND	ug/L	200	24.0	50		11/11/11 16:08	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	50.0	15.5	50		11/11/11 16:08	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	50.0	20.0	50		11/11/11 16:08	541-73-1	

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ANALYTICAL RESULTS

Project: 2118-0001 Superior MGP
Pace Project No.: 10174972

Sample: MW-7 **Lab ID: 10174972006** Collected: 11/04/11 11:50 Received: 11/04/11 16:56 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260								
1,4-Dichlorobenzene	ND	ug/L	50.0	17.0	50		11/11/11 16:08	106-46-7	
Dichlorodifluoromethane	ND	ug/L	50.0	11.5	50		11/11/11 16:08	75-71-8	
1,1-Dichloroethane	ND	ug/L	50.0	11.5	50		11/11/11 16:08	75-34-3	
1,2-Dichloroethane	ND	ug/L	50.0	11.5	50		11/11/11 16:08	107-06-2	
1,1-Dichloroethene	ND	ug/L	50.0	23.5	50		11/11/11 16:08	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	50.0	18.5	50		11/11/11 16:08	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	200	10.5	50		11/11/11 16:08	156-60-5	
Dichlorofluoromethane	ND	ug/L	50.0	12.5	50		11/11/11 16:08	75-43-4	
1,2-Dichloropropane	ND	ug/L	200	20.5	50		11/11/11 16:08	78-87-5	
1,3-Dichloropropane	ND	ug/L	50.0	18.0	50		11/11/11 16:08	142-28-9	
2,2-Dichloropropane	ND	ug/L	200	21.0	50		11/11/11 16:08	594-20-7	
1,1-Dichloropropene	ND	ug/L	50.0	23.0	50		11/11/11 16:08	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	200	13.5	50		11/11/11 16:08	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	200	9.0	50		11/11/11 16:08	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	200	14.0	50		11/11/11 16:08	60-29-7	
Ethylbenzene	**1770**	ug/L	50.0	19.0	50		11/11/11 16:08	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	250	10.0	50		11/11/11 16:08	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	50.0	18.0	50		11/11/11 16:08	98-82-8	
p-Isopropyltoluene	ND	ug/L	50.0	18.0	50		11/11/11 16:08	99-87-6	
Methylene Chloride	ND	ug/L	200	100	50		11/11/11 16:08	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	200	100	50		11/11/11 16:08	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	50.0	12.0	50		11/11/11 16:08	1634-04-4	
Naphthalene	ND	ug/L	200	28.5	50		11/11/11 16:08	91-20-3	
n-Propylbenzene	ND	ug/L	50.0	21.0	50		11/11/11 16:08	103-65-1	
Styrene	**250**	ug/L	50.0	17.5	50		11/11/11 16:08	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	50.0	17.5	50		11/11/11 16:08	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	50.0	8.5	50		11/11/11 16:08	79-34-5	
Tetrachloroethene	ND	ug/L	50.0	13.0	50		11/11/11 16:08	127-18-4	
Tetrahydrofuran	ND	ug/L	500	205	50		11/11/11 16:08	109-99-9	
Toluene	**32900**	ug/L	500	195	500		11/14/11 19:46	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	50.0	14.5	50		11/11/11 16:08	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	50.0	16.5	50		11/11/11 16:08	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	50.0	13.0	50		11/11/11 16:08	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	50.0	19.0	50		11/11/11 16:08	79-00-5	
Trichloroethene	ND	ug/L	50.0	10.0	50		11/11/11 16:08	79-01-6	
Trichlorofluoromethane	ND	ug/L	50.0	15.0	50		11/11/11 16:08	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	200	12.5	50		11/11/11 16:08	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	50.0	24.5	50		11/11/11 16:08	76-13-1	
1,2,4-Trimethylbenzene	**218**	ug/L	50.0	13.0	50		11/11/11 16:08	95-63-6	
1,3,5-Trimethylbenzene	**124**	ug/L	50.0	19.0	50		11/11/11 16:08	108-67-8	
Vinyl chloride	ND	ug/L	20.0	8.5	50		11/11/11 16:08	75-01-4	
Xylene (Total)	**6110**	ug/L	150	56.0	50		11/11/11 16:08	1330-20-7	
m&p-Xylene	**4750**	ug/L	100	33.0	50		11/11/11 16:08	179601-23-1	
o-Xylene	**1360**	ug/L	50.0	23.0	50		11/11/11 16:08	95-47-6	
Surrogates									
Dibromofluoromethane (S)	103	%	75-125		50		11/11/11 16:08	1868-53-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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ANALYTICAL RESULTS

Project: 2118-0001 Superior MGP
Pace Project No.: 10174972

Sample: MW-7 **Lab ID: 10174972006** Collected: 11/04/11 11:50 Received: 11/04/11 16:56 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260								
Surrogates									
1,2-Dichloroethane-d4 (S)	105	%	75-125		50		11/11/11 16:08	17060-07-0	
Toluene-d8 (S)	96	%	75-125		50		11/11/11 16:08	2037-26-5	
4-Bromofluorobenzene (S)	93	%	75-125		50		11/11/11 16:08	460-00-4	

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ANALYTICAL RESULTS

Project: 2118-0001 Superior MGP
Pace Project No.: 10174972

Sample: MW-8 **Lab ID: 10174972007** Collected: 11/04/11 13:00 Received: 11/04/11 16:56 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Acenaphthene	**51.8**	ug/L	0.81	0.081	20	11/08/11 07:51	11/10/11 12:08	83-32-9	
Acenaphthylene	**6.8**	ug/L	0.040	0.0040	1	11/08/11 07:51	11/09/11 14:21	208-96-8	
Anthracene	**4.5**	ug/L	0.040	0.017	1	11/08/11 07:51	11/09/11 14:21	120-12-7	
Benzo(a)anthracene	**0.20**	ug/L	0.040	0.0061	1	11/08/11 07:51	11/09/11 14:21	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.040	0.0051	1	11/08/11 07:51	11/09/11 14:21	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.040	0.0061	1	11/08/11 07:51	11/09/11 14:21	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.040	0.0061	1	11/08/11 07:51	11/09/11 14:21	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.040	0.0071	1	11/08/11 07:51	11/09/11 14:21	207-08-9	
Chrysene	**0.16**	ug/L	0.040	0.0061	1	11/08/11 07:51	11/09/11 14:21	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.040	0.020	1	11/08/11 07:51	11/09/11 14:21	53-70-3	
Fluoranthene	**2.9**	ug/L	0.040	0.0051	1	11/08/11 07:51	11/09/11 14:21	206-44-0	
Fluorene	**15.2**	ug/L	0.81	0.10	20	11/08/11 07:51	11/10/11 12:08	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.040	0.0051	1	11/08/11 07:51	11/09/11 14:21	193-39-5	
Naphthalene	**501**	ug/L	8.1	2.6	200	11/08/11 07:51	11/10/11 13:58	91-20-3	
Phenanthrene	**21.7**	ug/L	0.81	0.38	20	11/08/11 07:51	11/10/11 12:08	85-01-8	
Pyrene	**3.3**	ug/L	0.040	0.0051	1	11/08/11 07:51	11/09/11 14:21	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	84	%	56-125		1	11/08/11 07:51	11/09/11 14:21	321-60-8	
Terphenyl-d14 (S)	84	%	58-125		1	11/08/11 07:51	11/09/11 14:21	1718-51-0	
8260 VOC	Analytical Method: EPA 8260								
Acetone	ND	ug/L	1250	625	50		11/11/11 16:24	67-64-1	
Allyl chloride	ND	ug/L	200	25.5	50		11/11/11 16:24	107-05-1	
Benzene	**104000**	ug/L	500	180	500		11/14/11 20:03	71-43-2	
Bromobenzene	ND	ug/L	50.0	15.5	50		11/11/11 16:24	108-86-1	
Bromochloromethane	ND	ug/L	50.0	11.0	50		11/11/11 16:24	74-97-5	
Bromodichloromethane	ND	ug/L	50.0	11.5	50		11/11/11 16:24	75-27-4	
Bromoform	ND	ug/L	200	100	50		11/11/11 16:24	75-25-2	
Bromomethane	ND	ug/L	200	18.0	50		11/11/11 16:24	74-83-9	L3
2-Butanone (MEK)	ND	ug/L	200	100	50		11/11/11 16:24	78-93-3	
n-Butylbenzene	ND	ug/L	50.0	19.0	50		11/11/11 16:24	104-51-8	
sec-Butylbenzene	ND	ug/L	50.0	18.5	50		11/11/11 16:24	135-98-8	
tert-Butylbenzene	ND	ug/L	50.0	23.5	50		11/11/11 16:24	98-06-6	
Carbon tetrachloride	ND	ug/L	50.0	19.0	50		11/11/11 16:24	56-23-5	
Chlorobenzene	ND	ug/L	50.0	16.5	50		11/11/11 16:24	108-90-7	
Chloroethane	ND	ug/L	50.0	16.0	50		11/11/11 16:24	75-00-3	L3
Chloroform	ND	ug/L	50.0	17.0	50		11/11/11 16:24	67-66-3	
Chloromethane	ND	ug/L	200	18.0	50		11/11/11 16:24	74-87-3	
2-Chlorotoluene	ND	ug/L	50.0	18.5	50		11/11/11 16:24	95-49-8	
4-Chlorotoluene	ND	ug/L	50.0	14.5	50		11/11/11 16:24	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	200	61.5	50		11/11/11 16:24	96-12-8	
Dibromochloromethane	ND	ug/L	50.0	18.0	50		11/11/11 16:24	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	50.0	13.0	50		11/11/11 16:24	106-93-4	
Dibromomethane	ND	ug/L	200	24.0	50		11/11/11 16:24	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	50.0	15.5	50		11/11/11 16:24	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	50.0	20.0	50		11/11/11 16:24	541-73-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2118-0001 Superior MGP
Pace Project No.: 10174972

Sample: MW-8 **Lab ID: 10174972007** Collected: 11/04/11 13:00 Received: 11/04/11 16:56 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260								
1,4-Dichlorobenzene	ND	ug/L	50.0	17.0	50		11/11/11 16:24	106-46-7	
Dichlorodifluoromethane	ND	ug/L	50.0	11.5	50		11/11/11 16:24	75-71-8	
1,1-Dichloroethane	ND	ug/L	50.0	11.5	50		11/11/11 16:24	75-34-3	
1,2-Dichloroethane	ND	ug/L	50.0	11.5	50		11/11/11 16:24	107-06-2	
1,1-Dichloroethene	ND	ug/L	50.0	23.5	50		11/11/11 16:24	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	50.0	18.5	50		11/11/11 16:24	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	200	10.5	50		11/11/11 16:24	156-60-5	
Dichlorofluoromethane	ND	ug/L	50.0	12.5	50		11/11/11 16:24	75-43-4	
1,2-Dichloropropane	ND	ug/L	200	20.5	50		11/11/11 16:24	78-87-5	
1,3-Dichloropropane	ND	ug/L	50.0	18.0	50		11/11/11 16:24	142-28-9	
2,2-Dichloropropane	ND	ug/L	200	21.0	50		11/11/11 16:24	594-20-7	
1,1-Dichloropropene	ND	ug/L	50.0	23.0	50		11/11/11 16:24	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	200	13.5	50		11/11/11 16:24	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	200	9.0	50		11/11/11 16:24	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	200	14.0	50		11/11/11 16:24	60-29-7	
Ethylbenzene	**981**	ug/L	50.0	19.0	50		11/11/11 16:24	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	250	10.0	50		11/11/11 16:24	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	50.0	18.0	50		11/11/11 16:24	98-82-8	
p-Isopropyltoluene	ND	ug/L	50.0	18.0	50		11/11/11 16:24	99-87-6	
Methylene Chloride	ND	ug/L	200	100	50		11/11/11 16:24	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	200	100	50		11/11/11 16:24	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	50.0	12.0	50		11/11/11 16:24	1634-04-4	
Naphthalene	**624**	ug/L	200	28.5	50		11/11/11 16:24	91-20-3	
n-Propylbenzene	ND	ug/L	50.0	21.0	50		11/11/11 16:24	103-65-1	
Styrene	**3710**	ug/L	50.0	17.5	50		11/11/11 16:24	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	50.0	17.5	50		11/11/11 16:24	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	50.0	8.5	50		11/11/11 16:24	79-34-5	
Tetrachloroethene	ND	ug/L	50.0	13.0	50		11/11/11 16:24	127-18-4	
Tetrahydrofuran	ND	ug/L	500	205	50		11/11/11 16:24	109-99-9	
Toluene	**64500**	ug/L	500	195	500		11/14/11 20:03	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	50.0	14.5	50		11/11/11 16:24	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	50.0	16.5	50		11/11/11 16:24	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	50.0	13.0	50		11/11/11 16:24	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	50.0	19.0	50		11/11/11 16:24	79-00-5	
Trichloroethene	ND	ug/L	50.0	10.0	50		11/11/11 16:24	79-01-6	
Trichlorofluoromethane	ND	ug/L	50.0	15.0	50		11/11/11 16:24	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	200	12.5	50		11/11/11 16:24	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	50.0	24.5	50		11/11/11 16:24	76-13-1	
1,2,4-Trimethylbenzene	**551**	ug/L	50.0	13.0	50		11/11/11 16:24	95-63-6	
1,3,5-Trimethylbenzene	**298**	ug/L	50.0	19.0	50		11/11/11 16:24	108-67-8	
Vinyl chloride	ND	ug/L	20.0	8.5	50		11/11/11 16:24	75-01-4	
Xylene (Total)	**16100**	ug/L	150	56.0	50		11/11/11 16:24	1330-20-7	
m&p-Xylene	**12600**	ug/L	100	33.0	50		11/11/11 16:24	179601-23-1	
o-Xylene	**3500**	ug/L	50.0	23.0	50		11/11/11 16:24	95-47-6	
Surrogates									
Dibromofluoromethane (S)	103	%	75-125		50		11/11/11 16:24	1868-53-7	

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ANALYTICAL RESULTS

Project: 2118-0001 Superior MGP
Pace Project No.: 10174972

Sample: MW-8 **Lab ID: 10174972007** Collected: 11/04/11 13:00 Received: 11/04/11 16:56 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260								
Surrogates									
1,2-Dichloroethane-d4 (S)	102	%	75-125		50		11/11/11 16:24	17060-07-0	
Toluene-d8 (S)	97	%	75-125		50		11/11/11 16:24	2037-26-5	
4-Bromofluorobenzene (S)	92	%	75-125		50		11/11/11 16:24	460-00-4	

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ANALYTICAL RESULTS

Project: 2118-0001 Superior MGP
Pace Project No.: 10174972

Sample: MW-9 **Lab ID: 10174972008** Collected: 11/04/11 13:25 Received: 11/04/11 16:56 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Acenaphthene	**53.3**	ug/L	0.87	0.087	20	11/08/11 07:51	11/10/11 12:27	83-32-9	
Acenaphthylene	**1.7**	ug/L	0.043	0.0043	1	11/08/11 07:51	11/09/11 14:39	208-96-8	
Anthracene	**11.1**	ug/L	0.87	0.37	20	11/08/11 07:51	11/10/11 12:27	120-12-7	
Benzo(a)anthracene	**4.6**	ug/L	0.043	0.0065	1	11/08/11 07:51	11/09/11 14:39	56-55-3	
Benzo(a)pyrene	**4.0**	ug/L	0.043	0.0054	1	11/08/11 07:51	11/09/11 14:39	50-32-8	
Benzo(b)fluoranthene	**3.1**	ug/L	0.043	0.0065	1	11/08/11 07:51	11/09/11 14:39	205-99-2	
Benzo(g,h,i)perylene	**1.7**	ug/L	0.043	0.0065	1	11/08/11 07:51	11/09/11 14:39	191-24-2	
Benzo(k)fluoranthene	**1.1**	ug/L	0.043	0.0076	1	11/08/11 07:51	11/09/11 14:39	207-08-9	
Chrysene	**4.0**	ug/L	0.043	0.0065	1	11/08/11 07:51	11/09/11 14:39	218-01-9	
Dibenz(a,h)anthracene	**0.42**	ug/L	0.043	0.022	1	11/08/11 07:51	11/09/11 14:39	53-70-3	
Fluoranthene	**13.1**	ug/L	0.87	0.11	20	11/08/11 07:51	11/10/11 12:27	206-44-0	
Fluorene	**17.8**	ug/L	0.87	0.11	20	11/08/11 07:51	11/10/11 12:27	86-73-7	
Indeno(1,2,3-cd)pyrene	**1.2**	ug/L	0.043	0.0054	1	11/08/11 07:51	11/09/11 14:39	193-39-5	
Naphthalene	**139**	ug/L	0.87	0.28	20	11/08/11 07:51	11/10/11 12:27	91-20-3	
Phenanthrene	**48.6**	ug/L	0.87	0.41	20	11/08/11 07:51	11/10/11 12:27	85-01-8	
Pyrene	**16.5**	ug/L	0.87	0.11	20	11/08/11 07:51	11/10/11 12:27	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	60	%	56-125		1	11/08/11 07:51	11/09/11 14:39	321-60-8	P2
Terphenyl-d14 (S)	44	%	58-125		1	11/08/11 07:51	11/09/11 14:39	1718-51-0	S1
8260 VOC	Analytical Method: EPA 8260								
Acetone	ND	ug/L	1250	625	50		11/12/11 03:50	67-64-1	
Allyl chloride	ND	ug/L	200	25.5	50		11/12/11 03:50	107-05-1	
Benzene	**6520**	ug/L	50.0	18.0	50		11/12/11 03:50	71-43-2	
Bromobenzene	ND	ug/L	50.0	15.5	50		11/12/11 03:50	108-86-1	
Bromochloromethane	ND	ug/L	50.0	11.0	50		11/12/11 03:50	74-97-5	
Bromodichloromethane	ND	ug/L	50.0	11.5	50		11/12/11 03:50	75-27-4	
Bromoform	ND	ug/L	200	100	50		11/12/11 03:50	75-25-2	
Bromomethane	ND	ug/L	200	18.0	50		11/12/11 03:50	74-83-9	
2-Butanone (MEK)	ND	ug/L	200	100	50		11/12/11 03:50	78-93-3	
n-Butylbenzene	ND	ug/L	50.0	19.0	50		11/12/11 03:50	104-51-8	
sec-Butylbenzene	ND	ug/L	50.0	18.5	50		11/12/11 03:50	135-98-8	
tert-Butylbenzene	ND	ug/L	50.0	23.5	50		11/12/11 03:50	98-06-6	
Carbon tetrachloride	ND	ug/L	50.0	19.0	50		11/12/11 03:50	56-23-5	
Chlorobenzene	ND	ug/L	50.0	16.5	50		11/12/11 03:50	108-90-7	
Chloroethane	ND	ug/L	50.0	16.0	50		11/12/11 03:50	75-00-3	
Chloroform	ND	ug/L	50.0	17.0	50		11/12/11 03:50	67-66-3	
Chloromethane	ND	ug/L	200	18.0	50		11/12/11 03:50	74-87-3	
2-Chlorotoluene	ND	ug/L	50.0	18.5	50		11/12/11 03:50	95-49-8	
4-Chlorotoluene	ND	ug/L	50.0	14.5	50		11/12/11 03:50	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	200	61.5	50		11/12/11 03:50	96-12-8	
Dibromochloromethane	ND	ug/L	50.0	18.0	50		11/12/11 03:50	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	50.0	13.0	50		11/12/11 03:50	106-93-4	
Dibromomethane	ND	ug/L	200	24.0	50		11/12/11 03:50	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	50.0	15.5	50		11/12/11 03:50	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	50.0	20.0	50		11/12/11 03:50	541-73-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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Minneapolis, MN 55414
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ANALYTICAL RESULTS

Project: 2118-0001 Superior MGP
Pace Project No.: 10174972

Sample: MW-9 **Lab ID: 10174972008** Collected: 11/04/11 13:25 Received: 11/04/11 16:56 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260								
1,4-Dichlorobenzene	ND	ug/L	50.0	17.0	50		11/12/11 03:50	106-46-7	
Dichlorodifluoromethane	ND	ug/L	50.0	11.5	50		11/12/11 03:50	75-71-8	
1,1-Dichloroethane	ND	ug/L	50.0	11.5	50		11/12/11 03:50	75-34-3	
1,2-Dichloroethane	ND	ug/L	50.0	11.5	50		11/12/11 03:50	107-06-2	
1,1-Dichloroethene	ND	ug/L	50.0	23.5	50		11/12/11 03:50	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	50.0	18.5	50		11/12/11 03:50	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	200	10.5	50		11/12/11 03:50	156-60-5	
Dichlorofluoromethane	ND	ug/L	50.0	12.5	50		11/12/11 03:50	75-43-4	
1,2-Dichloropropane	ND	ug/L	200	20.5	50		11/12/11 03:50	78-87-5	
1,3-Dichloropropane	ND	ug/L	50.0	18.0	50		11/12/11 03:50	142-28-9	
2,2-Dichloropropane	ND	ug/L	200	21.0	50		11/12/11 03:50	594-20-7	
1,1-Dichloropropene	ND	ug/L	50.0	23.0	50		11/12/11 03:50	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	200	13.5	50		11/12/11 03:50	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	200	9.0	50		11/12/11 03:50	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	200	14.0	50		11/12/11 03:50	60-29-7	
Ethylbenzene	**127**	ug/L	50.0	19.0	50		11/12/11 03:50	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	250	10.0	50		11/12/11 03:50	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	50.0	18.0	50		11/12/11 03:50	98-82-8	
p-Isopropyltoluene	ND	ug/L	50.0	18.0	50		11/12/11 03:50	99-87-6	
Methylene Chloride	ND	ug/L	200	100	50		11/12/11 03:50	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	200	100	50		11/12/11 03:50	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	50.0	12.0	50		11/12/11 03:50	1634-04-4	
Naphthalene	ND	ug/L	200	28.5	50		11/12/11 03:50	91-20-3	
n-Propylbenzene	ND	ug/L	50.0	21.0	50		11/12/11 03:50	103-65-1	
Styrene	ND	ug/L	50.0	17.5	50		11/12/11 03:50	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	50.0	17.5	50		11/12/11 03:50	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	50.0	8.5	50		11/12/11 03:50	79-34-5	
Tetrachloroethene	ND	ug/L	50.0	13.0	50		11/12/11 03:50	127-18-4	
Tetrahydrofuran	ND	ug/L	500	205	50		11/12/11 03:50	109-99-9	
Toluene	**526**	ug/L	50.0	19.5	50		11/12/11 03:50	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	50.0	14.5	50		11/12/11 03:50	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	50.0	16.5	50		11/12/11 03:50	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	50.0	13.0	50		11/12/11 03:50	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	50.0	19.0	50		11/12/11 03:50	79-00-5	
Trichloroethene	ND	ug/L	50.0	10.0	50		11/12/11 03:50	79-01-6	
Trichlorofluoromethane	ND	ug/L	50.0	15.0	50		11/12/11 03:50	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	200	12.5	50		11/12/11 03:50	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	50.0	24.5	50		11/12/11 03:50	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	50.0	13.0	50		11/12/11 03:50	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	50.0	19.0	50		11/12/11 03:50	108-67-8	
Vinyl chloride	ND	ug/L	20.0	8.5	50		11/12/11 03:50	75-01-4	
Xylene (Total)	**308**	ug/L	150	56.0	50		11/12/11 03:50	1330-20-7	
m&p-Xylene	**245**	ug/L	100	33.0	50		11/12/11 03:50	179601-23-1	
o-Xylene	**63.5**	ug/L	50.0	23.0	50		11/12/11 03:50	95-47-6	
Surrogates									
Dibromofluoromethane (S)	100	%	75-125		50		11/12/11 03:50	1868-53-7	

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ANALYTICAL RESULTS

Project: 2118-0001 Superior MGP
Pace Project No.: 10174972

Sample: MW-9 **Lab ID: 10174972008** Collected: 11/04/11 13:25 Received: 11/04/11 16:56 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260								
Surrogates									
1,2-Dichloroethane-d4 (S)	103	%	75-125		50		11/12/11 03:50	17060-07-0	
Toluene-d8 (S)	96	%	75-125		50		11/12/11 03:50	2037-26-5	
4-Bromofluorobenzene (S)	94	%	75-125		50		11/12/11 03:50	460-00-4	

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ANALYTICAL RESULTS

Project: 2118-0001 Superior MGP
Pace Project No.: 10174972

Sample: MW-10 **Lab ID: 10174972009** Collected: 11/04/11 10:00 Received: 11/04/11 16:56 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Acenaphthene	**41.4**	ug/L	0.82	0.082	20	11/08/11 07:51	11/10/11 12:45	83-32-9	
Acenaphthylene	**0.81**	ug/L	0.041	0.0041	1	11/08/11 07:51	11/09/11 14:58	208-96-8	
Anthracene	**2.3**	ug/L	0.041	0.018	1	11/08/11 07:51	11/09/11 14:58	120-12-7	
Benzo(a)anthracene	**0.40**	ug/L	0.041	0.0062	1	11/08/11 07:51	11/09/11 14:58	56-55-3	
Benzo(a)pyrene	**0.36**	ug/L	0.041	0.0052	1	11/08/11 07:51	11/09/11 14:58	50-32-8	
Benzo(b)fluoranthene	**0.29**	ug/L	0.041	0.0062	1	11/08/11 07:51	11/09/11 14:58	205-99-2	
Benzo(g,h,i)perylene	**0.19**	ug/L	0.041	0.0062	1	11/08/11 07:51	11/09/11 14:58	191-24-2	
Benzo(k)fluoranthene	**0.095**	ug/L	0.041	0.0072	1	11/08/11 07:51	11/09/11 14:58	207-08-9	
Chrysene	**0.38**	ug/L	0.041	0.0062	1	11/08/11 07:51	11/09/11 14:58	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.041	0.021	1	11/08/11 07:51	11/09/11 14:58	53-70-3	
Fluoranthene	**1.9**	ug/L	0.041	0.0052	1	11/08/11 07:51	11/09/11 14:58	206-44-0	
Fluorene	**9.1**	ug/L	0.041	0.0052	1	11/08/11 07:51	11/09/11 14:58	86-73-7	
Indeno(1,2,3-cd)pyrene	**0.13**	ug/L	0.041	0.0052	1	11/08/11 07:51	11/09/11 14:58	193-39-5	
Naphthalene	**87.9**	ug/L	0.82	0.27	20	11/08/11 07:51	11/10/11 12:45	91-20-3	
Phenanthrene	**8.8**	ug/L	0.041	0.020	1	11/08/11 07:51	11/09/11 14:58	85-01-8	
Pyrene	**2.4**	ug/L	0.041	0.0052	1	11/08/11 07:51	11/09/11 14:58	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	80	%	56-125		1	11/08/11 07:51	11/09/11 14:58	321-60-8	
Terphenyl-d14 (S)	76	%	58-125		1	11/08/11 07:51	11/09/11 14:58	1718-51-0	
8260 VOC	Analytical Method: EPA 8260								
Acetone	ND	ug/L	1250	625	50		11/12/11 04:06	67-64-1	
Allyl chloride	ND	ug/L	200	25.5	50		11/12/11 04:06	107-05-1	
Benzene	**4830**	ug/L	50.0	18.0	50		11/12/11 04:06	71-43-2	
Bromobenzene	ND	ug/L	50.0	15.5	50		11/12/11 04:06	108-86-1	
Bromochloromethane	ND	ug/L	50.0	11.0	50		11/12/11 04:06	74-97-5	
Bromodichloromethane	ND	ug/L	50.0	11.5	50		11/12/11 04:06	75-27-4	
Bromoform	ND	ug/L	200	100	50		11/12/11 04:06	75-25-2	
Bromomethane	ND	ug/L	200	18.0	50		11/12/11 04:06	74-83-9	
2-Butanone (MEK)	ND	ug/L	200	100	50		11/12/11 04:06	78-93-3	
n-Butylbenzene	ND	ug/L	50.0	19.0	50		11/12/11 04:06	104-51-8	
sec-Butylbenzene	ND	ug/L	50.0	18.5	50		11/12/11 04:06	135-98-8	
tert-Butylbenzene	ND	ug/L	50.0	23.5	50		11/12/11 04:06	98-06-6	
Carbon tetrachloride	ND	ug/L	50.0	19.0	50		11/12/11 04:06	56-23-5	
Chlorobenzene	ND	ug/L	50.0	16.5	50		11/12/11 04:06	108-90-7	
Chloroethane	ND	ug/L	50.0	16.0	50		11/12/11 04:06	75-00-3	
Chloroform	ND	ug/L	50.0	17.0	50		11/12/11 04:06	67-66-3	
Chloromethane	ND	ug/L	200	18.0	50		11/12/11 04:06	74-87-3	
2-Chlorotoluene	ND	ug/L	50.0	18.5	50		11/12/11 04:06	95-49-8	
4-Chlorotoluene	ND	ug/L	50.0	14.5	50		11/12/11 04:06	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	200	61.5	50		11/12/11 04:06	96-12-8	
Dibromochloromethane	ND	ug/L	50.0	18.0	50		11/12/11 04:06	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	50.0	13.0	50		11/12/11 04:06	106-93-4	
Dibromomethane	ND	ug/L	200	24.0	50		11/12/11 04:06	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	50.0	15.5	50		11/12/11 04:06	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	50.0	20.0	50		11/12/11 04:06	541-73-1	

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ANALYTICAL RESULTS

Project: 2118-0001 Superior MGP
Pace Project No.: 10174972

Sample: MW-10 **Lab ID: 10174972009** Collected: 11/04/11 10:00 Received: 11/04/11 16:56 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260								
1,4-Dichlorobenzene	ND	ug/L	50.0	17.0	50		11/12/11 04:06	106-46-7	
Dichlorodifluoromethane	ND	ug/L	50.0	11.5	50		11/12/11 04:06	75-71-8	
1,1-Dichloroethane	ND	ug/L	50.0	11.5	50		11/12/11 04:06	75-34-3	
1,2-Dichloroethane	ND	ug/L	50.0	11.5	50		11/12/11 04:06	107-06-2	
1,1-Dichloroethene	ND	ug/L	50.0	23.5	50		11/12/11 04:06	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	50.0	18.5	50		11/12/11 04:06	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	200	10.5	50		11/12/11 04:06	156-60-5	
Dichlorofluoromethane	ND	ug/L	50.0	12.5	50		11/12/11 04:06	75-43-4	
1,2-Dichloropropane	ND	ug/L	200	20.5	50		11/12/11 04:06	78-87-5	
1,3-Dichloropropane	ND	ug/L	50.0	18.0	50		11/12/11 04:06	142-28-9	
2,2-Dichloropropane	ND	ug/L	200	21.0	50		11/12/11 04:06	594-20-7	
1,1-Dichloropropene	ND	ug/L	50.0	23.0	50		11/12/11 04:06	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	200	13.5	50		11/12/11 04:06	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	200	9.0	50		11/12/11 04:06	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	200	14.0	50		11/12/11 04:06	60-29-7	
Ethylbenzene	**107**	ug/L	50.0	19.0	50		11/12/11 04:06	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	250	10.0	50		11/12/11 04:06	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	50.0	18.0	50		11/12/11 04:06	98-82-8	
p-Isopropyltoluene	ND	ug/L	50.0	18.0	50		11/12/11 04:06	99-87-6	
Methylene Chloride	ND	ug/L	200	100	50		11/12/11 04:06	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	200	100	50		11/12/11 04:06	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	50.0	12.0	50		11/12/11 04:06	1634-04-4	
Naphthalene	ND	ug/L	200	28.5	50		11/12/11 04:06	91-20-3	
n-Propylbenzene	ND	ug/L	50.0	21.0	50		11/12/11 04:06	103-65-1	
Styrene	ND	ug/L	50.0	17.5	50		11/12/11 04:06	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	50.0	17.5	50		11/12/11 04:06	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	50.0	8.5	50		11/12/11 04:06	79-34-5	
Tetrachloroethene	ND	ug/L	50.0	13.0	50		11/12/11 04:06	127-18-4	
Tetrahydrofuran	ND	ug/L	500	205	50		11/12/11 04:06	109-99-9	
Toluene	**1040**	ug/L	50.0	19.5	50		11/12/11 04:06	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	50.0	14.5	50		11/12/11 04:06	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	50.0	16.5	50		11/12/11 04:06	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	50.0	13.0	50		11/12/11 04:06	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	50.0	19.0	50		11/12/11 04:06	79-00-5	
Trichloroethene	ND	ug/L	50.0	10.0	50		11/12/11 04:06	79-01-6	
Trichlorofluoromethane	ND	ug/L	50.0	15.0	50		11/12/11 04:06	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	200	12.5	50		11/12/11 04:06	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	50.0	24.5	50		11/12/11 04:06	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	50.0	13.0	50		11/12/11 04:06	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	50.0	19.0	50		11/12/11 04:06	108-67-8	
Vinyl chloride	ND	ug/L	20.0	8.5	50		11/12/11 04:06	75-01-4	
Xylene (Total)	**392**	ug/L	150	56.0	50		11/12/11 04:06	1330-20-7	
m&p-Xylene	**305**	ug/L	100	33.0	50		11/12/11 04:06	179601-23-1	
o-Xylene	**86.4**	ug/L	50.0	23.0	50		11/12/11 04:06	95-47-6	
Surrogates									
Dibromofluoromethane (S)	101	%	75-125		50		11/12/11 04:06	1868-53-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2118-0001 Superior MGP
Pace Project No.: 10174972

Sample: MW-10 **Lab ID: 10174972009** Collected: 11/04/11 10:00 Received: 11/04/11 16:56 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260								
Surrogates									
1,2-Dichloroethane-d4 (S)	103	%	75-125		50		11/12/11 04:06	17060-07-0	
Toluene-d8 (S)	95	%	75-125		50		11/12/11 04:06	2037-26-5	
4-Bromofluorobenzene (S)	94	%	75-125		50		11/12/11 04:06	460-00-4	

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ANALYTICAL RESULTS

Project: 2118-0001 Superior MGP
Pace Project No.: 10174972

Sample: MW-11 **Lab ID: 10174972010** Collected: 11/04/11 08:20 Received: 11/04/11 16:56 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Acenaphthene	**7.8**	ug/L	0.041	0.0041	1	11/08/11 07:51	11/09/11 15:16	83-32-9	
Acenaphthylene	**0.060**	ug/L	0.041	0.0041	1	11/08/11 07:51	11/09/11 15:16	208-96-8	
Anthracene	**0.091**	ug/L	0.041	0.017	1	11/08/11 07:51	11/09/11 15:16	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.041	0.0062	1	11/08/11 07:51	11/09/11 15:16	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.041	0.0051	1	11/08/11 07:51	11/09/11 15:16	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.041	0.0062	1	11/08/11 07:51	11/09/11 15:16	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.041	0.0062	1	11/08/11 07:51	11/09/11 15:16	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.041	0.0072	1	11/08/11 07:51	11/09/11 15:16	207-08-9	
Chrysene	ND	ug/L	0.041	0.0062	1	11/08/11 07:51	11/09/11 15:16	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.041	0.021	1	11/08/11 07:51	11/09/11 15:16	53-70-3	
Fluoranthene	ND	ug/L	0.041	0.0051	1	11/08/11 07:51	11/09/11 15:16	206-44-0	
Fluorene	**1.2**	ug/L	0.041	0.0051	1	11/08/11 07:51	11/09/11 15:16	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.041	0.0051	1	11/08/11 07:51	11/09/11 15:16	193-39-5	
Naphthalene	**4.8**	ug/L	0.041	0.013	1	11/08/11 07:51	11/09/11 15:16	91-20-3	
Phenanthrene	**0.74**	ug/L	0.041	0.019	1	11/08/11 07:51	11/09/11 15:16	85-01-8	
Pyrene	ND	ug/L	0.041	0.0051	1	11/08/11 07:51	11/09/11 15:16	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	79	%	56-125		1	11/08/11 07:51	11/09/11 15:16	321-60-8	
Terphenyl-d14 (S)	91	%	58-125		1	11/08/11 07:51	11/09/11 15:16	1718-51-0	
8260 VOC	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	12.5	1		11/12/11 01:41	67-64-1	
Allyl chloride	ND	ug/L	4.0	0.51	1		11/12/11 01:41	107-05-1	
Benzene	**2.5**	ug/L	1.0	0.36	1		11/12/11 01:41	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.31	1		11/12/11 01:41	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.22	1		11/12/11 01:41	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.23	1		11/12/11 01:41	75-27-4	
Bromoform	ND	ug/L	4.0	2.0	1		11/12/11 01:41	75-25-2	
Bromomethane	ND	ug/L	4.0	0.36	1		11/12/11 01:41	74-83-9	
2-Butanone (MEK)	ND	ug/L	4.0	2.0	1		11/12/11 01:41	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	0.38	1		11/12/11 01:41	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.37	1		11/12/11 01:41	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.47	1		11/12/11 01:41	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	0.38	1		11/12/11 01:41	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.33	1		11/12/11 01:41	108-90-7	
Chloroethane	ND	ug/L	1.0	0.32	1		11/12/11 01:41	75-00-3	
Chloroform	ND	ug/L	1.0	0.34	1		11/12/11 01:41	67-66-3	
Chloromethane	ND	ug/L	4.0	0.36	1		11/12/11 01:41	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.37	1		11/12/11 01:41	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.29	1		11/12/11 01:41	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1.2	1		11/12/11 01:41	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		11/12/11 01:41	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.26	1		11/12/11 01:41	106-93-4	
Dibromomethane	ND	ug/L	4.0	0.48	1		11/12/11 01:41	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.31	1		11/12/11 01:41	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.40	1		11/12/11 01:41	541-73-1	

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ANALYTICAL RESULTS

Project: 2118-0001 Superior MGP
Pace Project No.: 10174972

Sample: MW-11 **Lab ID: 10174972010** Collected: 11/04/11 08:20 Received: 11/04/11 16:56 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260								
1,4-Dichlorobenzene	ND	ug/L	1.0	0.34	1		11/12/11 01:41	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.23	1		11/12/11 01:41	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.23	1		11/12/11 01:41	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.23	1		11/12/11 01:41	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.47	1		11/12/11 01:41	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.37	1		11/12/11 01:41	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	4.0	0.21	1		11/12/11 01:41	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	0.25	1		11/12/11 01:41	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	0.41	1		11/12/11 01:41	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.36	1		11/12/11 01:41	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	0.42	1		11/12/11 01:41	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.46	1		11/12/11 01:41	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	0.27	1		11/12/11 01:41	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	0.18	1		11/12/11 01:41	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	0.28	1		11/12/11 01:41	60-29-7	
Ethylbenzene	ND	ug/L	1.0	0.38	1		11/12/11 01:41	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	0.20	1		11/12/11 01:41	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.36	1		11/12/11 01:41	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.36	1		11/12/11 01:41	99-87-6	
Methylene Chloride	ND	ug/L	4.0	2.0	1		11/12/11 01:41	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	4.0	2.0	1		11/12/11 01:41	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.24	1		11/12/11 01:41	1634-04-4	
Naphthalene	**7.6**	ug/L	4.0	0.57	1		11/12/11 01:41	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.42	1		11/12/11 01:41	103-65-1	
Styrene	ND	ug/L	1.0	0.35	1		11/12/11 01:41	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.35	1		11/12/11 01:41	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.17	1		11/12/11 01:41	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.26	1		11/12/11 01:41	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	4.1	1		11/12/11 01:41	109-99-9	
Toluene	ND	ug/L	1.0	0.39	1		11/12/11 01:41	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.29	1		11/12/11 01:41	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.33	1		11/12/11 01:41	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.26	1		11/12/11 01:41	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.38	1		11/12/11 01:41	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.20	1		11/12/11 01:41	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		11/12/11 01:41	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	0.25	1		11/12/11 01:41	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	0.49	1		11/12/11 01:41	76-13-1	
1,2,4-Trimethylbenzene	**1.2**	ug/L	1.0	0.26	1		11/12/11 01:41	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.38	1		11/12/11 01:41	108-67-8	
Vinyl chloride	ND	ug/L	0.40	0.17	1		11/12/11 01:41	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1.1	1		11/12/11 01:41	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		11/12/11 01:41	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.46	1		11/12/11 01:41	95-47-6	
Surrogates									
Dibromofluoromethane (S)	100	%	75-125		1		11/12/11 01:41	1868-53-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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ANALYTICAL RESULTS

Project: 2118-0001 Superior MGP
Pace Project No.: 10174972

Sample: MW-11 **Lab ID: 10174972010** Collected: 11/04/11 08:20 Received: 11/04/11 16:56 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260								
Surrogates									
1,2-Dichloroethane-d4 (S)	103	%	75-125		1		11/12/11 01:41	17060-07-0	
Toluene-d8 (S)	95	%	75-125		1		11/12/11 01:41	2037-26-5	
4-Bromofluorobenzene (S)	94	%	75-125		1		11/12/11 01:41	460-00-4	

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ANALYTICAL RESULTS

Project: 2118-0001 Superior MGP
Pace Project No.: 10174972

Sample: MW-13 **Lab ID: 10174972011** Collected: 11/03/11 17:00 Received: 11/04/11 16:56 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Acenaphthene	ND	ug/L	0.042	0.0042	1	11/08/11 07:51	11/09/11 15:34	83-32-9	
Acenaphthylene	ND	ug/L	0.042	0.0042	1	11/08/11 07:51	11/09/11 15:34	208-96-8	
Anthracene	ND	ug/L	0.042	0.018	1	11/08/11 07:51	11/09/11 15:34	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.042	0.0063	1	11/08/11 07:51	11/09/11 15:34	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.042	0.0053	1	11/08/11 07:51	11/09/11 15:34	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.042	0.0063	1	11/08/11 07:51	11/09/11 15:34	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.042	0.0063	1	11/08/11 07:51	11/09/11 15:34	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.042	0.0074	1	11/08/11 07:51	11/09/11 15:34	207-08-9	
Chrysene	ND	ug/L	0.042	0.0063	1	11/08/11 07:51	11/09/11 15:34	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.042	0.021	1	11/08/11 07:51	11/09/11 15:34	53-70-3	
Fluoranthene	ND	ug/L	0.042	0.0053	1	11/08/11 07:51	11/09/11 15:34	206-44-0	
Fluorene	ND	ug/L	0.042	0.0053	1	11/08/11 07:51	11/09/11 15:34	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.042	0.0053	1	11/08/11 07:51	11/09/11 15:34	193-39-5	
Naphthalene	ND	ug/L	0.042	0.014	1	11/08/11 07:51	11/09/11 15:34	91-20-3	
Phenanthrene	ND	ug/L	0.042	0.020	1	11/08/11 07:51	11/09/11 15:34	85-01-8	
Pyrene	ND	ug/L	0.042	0.0053	1	11/08/11 07:51	11/09/11 15:34	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	147	%	56-125		1	11/08/11 07:51	11/09/11 15:34	321-60-8	S3
Terphenyl-d14 (S)	148	%	58-125		1	11/08/11 07:51	11/09/11 15:34	1718-51-0	S3
8260 VOC	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	12.5	1		11/12/11 01:57	67-64-1	
Allyl chloride	ND	ug/L	4.0	0.51	1		11/12/11 01:57	107-05-1	
Benzene	ND	ug/L	1.0	0.36	1		11/12/11 01:57	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.31	1		11/12/11 01:57	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.22	1		11/12/11 01:57	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.23	1		11/12/11 01:57	75-27-4	
Bromoform	ND	ug/L	4.0	2.0	1		11/12/11 01:57	75-25-2	
Bromomethane	ND	ug/L	4.0	0.36	1		11/12/11 01:57	74-83-9	
2-Butanone (MEK)	ND	ug/L	4.0	2.0	1		11/12/11 01:57	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	0.38	1		11/12/11 01:57	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.37	1		11/12/11 01:57	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.47	1		11/12/11 01:57	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	0.38	1		11/12/11 01:57	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.33	1		11/12/11 01:57	108-90-7	
Chloroethane	ND	ug/L	1.0	0.32	1		11/12/11 01:57	75-00-3	
Chloroform	ND	ug/L	1.0	0.34	1		11/12/11 01:57	67-66-3	
Chloromethane	ND	ug/L	4.0	0.36	1		11/12/11 01:57	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.37	1		11/12/11 01:57	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.29	1		11/12/11 01:57	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1.2	1		11/12/11 01:57	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		11/12/11 01:57	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.26	1		11/12/11 01:57	106-93-4	
Dibromomethane	ND	ug/L	4.0	0.48	1		11/12/11 01:57	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.31	1		11/12/11 01:57	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.40	1		11/12/11 01:57	541-73-1	

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ANALYTICAL RESULTS

Project: 2118-0001 Superior MGP
Pace Project No.: 10174972

Sample: MW-13 **Lab ID: 10174972011** Collected: 11/03/11 17:00 Received: 11/04/11 16:56 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260								
1,4-Dichlorobenzene	ND	ug/L	1.0	0.34	1		11/12/11 01:57	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.23	1		11/12/11 01:57	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.23	1		11/12/11 01:57	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.23	1		11/12/11 01:57	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.47	1		11/12/11 01:57	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.37	1		11/12/11 01:57	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	4.0	0.21	1		11/12/11 01:57	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	0.25	1		11/12/11 01:57	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	0.41	1		11/12/11 01:57	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.36	1		11/12/11 01:57	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	0.42	1		11/12/11 01:57	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.46	1		11/12/11 01:57	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	0.27	1		11/12/11 01:57	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	0.18	1		11/12/11 01:57	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	0.28	1		11/12/11 01:57	60-29-7	
Ethylbenzene	ND	ug/L	1.0	0.38	1		11/12/11 01:57	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	0.20	1		11/12/11 01:57	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.36	1		11/12/11 01:57	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.36	1		11/12/11 01:57	99-87-6	
Methylene Chloride	ND	ug/L	4.0	2.0	1		11/12/11 01:57	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	4.0	2.0	1		11/12/11 01:57	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.24	1		11/12/11 01:57	1634-04-4	
Naphthalene	ND	ug/L	4.0	0.57	1		11/12/11 01:57	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.42	1		11/12/11 01:57	103-65-1	
Styrene	ND	ug/L	1.0	0.35	1		11/12/11 01:57	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.35	1		11/12/11 01:57	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.17	1		11/12/11 01:57	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.26	1		11/12/11 01:57	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	4.1	1		11/12/11 01:57	109-99-9	
Toluene	ND	ug/L	1.0	0.39	1		11/12/11 01:57	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.29	1		11/12/11 01:57	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.33	1		11/12/11 01:57	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.26	1		11/12/11 01:57	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.38	1		11/12/11 01:57	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.20	1		11/12/11 01:57	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		11/12/11 01:57	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	0.25	1		11/12/11 01:57	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	0.49	1		11/12/11 01:57	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.26	1		11/12/11 01:57	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.38	1		11/12/11 01:57	108-67-8	
Vinyl chloride	ND	ug/L	0.40	0.17	1		11/12/11 01:57	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1.1	1		11/12/11 01:57	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		11/12/11 01:57	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.46	1		11/12/11 01:57	95-47-6	
Surrogates									
Dibromofluoromethane (S)	101	%	75-125		1		11/12/11 01:57	1868-53-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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ANALYTICAL RESULTS

Project: 2118-0001 Superior MGP
Pace Project No.: 10174972

Sample: MW-13 **Lab ID: 10174972011** Collected: 11/03/11 17:00 Received: 11/04/11 16:56 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260								
Surrogates									
1,2-Dichloroethane-d4 (S)	104	%	75-125		1		11/12/11 01:57	17060-07-0	
Toluene-d8 (S)	95	%	75-125		1		11/12/11 01:57	2037-26-5	
4-Bromofluorobenzene (S)	94	%	75-125		1		11/12/11 01:57	460-00-4	

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ANALYTICAL RESULTS

Project: 2118-0001 Superior MGP
Pace Project No.: 10174972

Sample: MW-14 **Lab ID: 10174972012** Collected: 11/03/11 17:20 Received: 11/04/11 16:56 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Acenaphthene	ND	ug/L	0.041	0.0041	1	11/08/11 07:51	11/09/11 15:53	83-32-9	
Acenaphthylene	ND	ug/L	0.041	0.0041	1	11/08/11 07:51	11/09/11 15:53	208-96-8	
Anthracene	ND	ug/L	0.041	0.017	1	11/08/11 07:51	11/09/11 15:53	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.041	0.0061	1	11/08/11 07:51	11/09/11 15:53	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.041	0.0051	1	11/08/11 07:51	11/09/11 15:53	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.041	0.0061	1	11/08/11 07:51	11/09/11 15:53	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.041	0.0061	1	11/08/11 07:51	11/09/11 15:53	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.041	0.0071	1	11/08/11 07:51	11/09/11 15:53	207-08-9	
Chrysene	ND	ug/L	0.041	0.0061	1	11/08/11 07:51	11/09/11 15:53	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.041	0.020	1	11/08/11 07:51	11/09/11 15:53	53-70-3	
Fluoranthene	ND	ug/L	0.041	0.0051	1	11/08/11 07:51	11/09/11 15:53	206-44-0	
Fluorene	ND	ug/L	0.041	0.0051	1	11/08/11 07:51	11/09/11 15:53	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.041	0.0051	1	11/08/11 07:51	11/09/11 15:53	193-39-5	
Naphthalene	ND	ug/L	0.041	0.013	1	11/08/11 07:51	11/09/11 15:53	91-20-3	
Phenanthrene	ND	ug/L	0.041	0.019	1	11/08/11 07:51	11/09/11 15:53	85-01-8	
Pyrene	ND	ug/L	0.041	0.0051	1	11/08/11 07:51	11/09/11 15:53	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	81	%	56-125		1	11/08/11 07:51	11/09/11 15:53	321-60-8	
Terphenyl-d14 (S)	83	%	58-125		1	11/08/11 07:51	11/09/11 15:53	1718-51-0	
8260 VOC	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	12.5	1		11/12/11 02:13	67-64-1	
Allyl chloride	ND	ug/L	4.0	0.51	1		11/12/11 02:13	107-05-1	
Benzene	ND	ug/L	1.0	0.36	1		11/12/11 02:13	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.31	1		11/12/11 02:13	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.22	1		11/12/11 02:13	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.23	1		11/12/11 02:13	75-27-4	
Bromoform	ND	ug/L	4.0	2.0	1		11/12/11 02:13	75-25-2	
Bromomethane	ND	ug/L	4.0	0.36	1		11/12/11 02:13	74-83-9	
2-Butanone (MEK)	ND	ug/L	4.0	2.0	1		11/12/11 02:13	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	0.38	1		11/12/11 02:13	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.37	1		11/12/11 02:13	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.47	1		11/12/11 02:13	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	0.38	1		11/12/11 02:13	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.33	1		11/12/11 02:13	108-90-7	
Chloroethane	ND	ug/L	1.0	0.32	1		11/12/11 02:13	75-00-3	
Chloroform	ND	ug/L	1.0	0.34	1		11/12/11 02:13	67-66-3	
Chloromethane	ND	ug/L	4.0	0.36	1		11/12/11 02:13	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.37	1		11/12/11 02:13	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.29	1		11/12/11 02:13	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1.2	1		11/12/11 02:13	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		11/12/11 02:13	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.26	1		11/12/11 02:13	106-93-4	
Dibromomethane	ND	ug/L	4.0	0.48	1		11/12/11 02:13	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.31	1		11/12/11 02:13	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.40	1		11/12/11 02:13	541-73-1	

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ANALYTICAL RESULTS

Project: 2118-0001 Superior MGP
Pace Project No.: 10174972

Sample: MW-14 **Lab ID: 10174972012** Collected: 11/03/11 17:20 Received: 11/04/11 16:56 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260								
1,4-Dichlorobenzene	ND	ug/L	1.0	0.34	1		11/12/11 02:13	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.23	1		11/12/11 02:13	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.23	1		11/12/11 02:13	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.23	1		11/12/11 02:13	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.47	1		11/12/11 02:13	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.37	1		11/12/11 02:13	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	4.0	0.21	1		11/12/11 02:13	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	0.25	1		11/12/11 02:13	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	0.41	1		11/12/11 02:13	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.36	1		11/12/11 02:13	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	0.42	1		11/12/11 02:13	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.46	1		11/12/11 02:13	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	0.27	1		11/12/11 02:13	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	0.18	1		11/12/11 02:13	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	0.28	1		11/12/11 02:13	60-29-7	
Ethylbenzene	ND	ug/L	1.0	0.38	1		11/12/11 02:13	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	0.20	1		11/12/11 02:13	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.36	1		11/12/11 02:13	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.36	1		11/12/11 02:13	99-87-6	
Methylene Chloride	ND	ug/L	4.0	2.0	1		11/12/11 02:13	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	4.0	2.0	1		11/12/11 02:13	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.24	1		11/12/11 02:13	1634-04-4	
Naphthalene	ND	ug/L	4.0	0.57	1		11/12/11 02:13	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.42	1		11/12/11 02:13	103-65-1	
Styrene	ND	ug/L	1.0	0.35	1		11/12/11 02:13	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.35	1		11/12/11 02:13	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.17	1		11/12/11 02:13	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.26	1		11/12/11 02:13	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	4.1	1		11/12/11 02:13	109-99-9	
Toluene	ND	ug/L	1.0	0.39	1		11/12/11 02:13	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.29	1		11/12/11 02:13	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.33	1		11/12/11 02:13	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.26	1		11/12/11 02:13	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.38	1		11/12/11 02:13	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.20	1		11/12/11 02:13	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		11/12/11 02:13	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	0.25	1		11/12/11 02:13	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	0.49	1		11/12/11 02:13	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.26	1		11/12/11 02:13	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.38	1		11/12/11 02:13	108-67-8	
Vinyl chloride	ND	ug/L	0.40	0.17	1		11/12/11 02:13	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1.1	1		11/12/11 02:13	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		11/12/11 02:13	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.46	1		11/12/11 02:13	95-47-6	
Surrogates									
Dibromofluoromethane (S)	102	%	75-125		1		11/12/11 02:13	1868-53-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2118-0001 Superior MGP
Pace Project No.: 10174972

Sample: MW-14 **Lab ID: 10174972012** Collected: 11/03/11 17:20 Received: 11/04/11 16:56 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260								
Surrogates									
1,2-Dichloroethane-d4 (S)	104	%	75-125		1		11/12/11 02:13	17060-07-0	
Toluene-d8 (S)	95	%	75-125		1		11/12/11 02:13	2037-26-5	
4-Bromofluorobenzene (S)	95	%	75-125		1		11/12/11 02:13	460-00-4	

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ANALYTICAL RESULTS

Project: 2118-0001 Superior MGP
Pace Project No.: 10174972

Sample: MW-15 **Lab ID: 10174972013** Collected: 11/04/11 11:20 Received: 11/04/11 16:56 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Acenaphthene	**63.3**	ug/L	0.82	0.082	20	11/08/11 07:51	11/10/11 13:03	83-32-9	
Acenaphthylene	**1.6**	ug/L	0.041	0.0041	1	11/08/11 07:51	11/09/11 16:11	208-96-8	
Anthracene	**1.3**	ug/L	0.041	0.018	1	11/08/11 07:51	11/09/11 16:11	120-12-7	
Benzo(a)anthracene	**0.22**	ug/L	0.041	0.0062	1	11/08/11 07:51	11/09/11 16:11	56-55-3	
Benzo(a)pyrene	**0.12**	ug/L	0.041	0.0052	1	11/08/11 07:51	11/09/11 16:11	50-32-8	
Benzo(b)fluoranthene	**0.086**	ug/L	0.041	0.0062	1	11/08/11 07:51	11/09/11 16:11	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.041	0.0062	1	11/08/11 07:51	11/09/11 16:11	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.041	0.0072	1	11/08/11 07:51	11/09/11 16:11	207-08-9	
Chrysene	**0.20**	ug/L	0.041	0.0062	1	11/08/11 07:51	11/09/11 16:11	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.041	0.021	1	11/08/11 07:51	11/09/11 16:11	53-70-3	
Fluoranthene	**1.3**	ug/L	0.041	0.0052	1	11/08/11 07:51	11/09/11 16:11	206-44-0	
Fluorene	**14.6**	ug/L	0.82	0.10	20	11/08/11 07:51	11/10/11 13:03	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.041	0.0052	1	11/08/11 07:51	11/09/11 16:11	193-39-5	
Naphthalene	**4.2**	ug/L	0.041	0.013	1	11/08/11 07:51	11/09/11 16:11	91-20-3	
Phenanthrene	**5.2**	ug/L	0.041	0.020	1	11/08/11 07:51	11/09/11 16:11	85-01-8	
Pyrene	**1.5**	ug/L	0.041	0.0052	1	11/08/11 07:51	11/09/11 16:11	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	74	%	56-125		1	11/08/11 07:51	11/09/11 16:11	321-60-8	
Terphenyl-d14 (S)	75	%	58-125		1	11/08/11 07:51	11/09/11 16:11	1718-51-0	
8260 VOC	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	12.5	1		11/14/11 15:04	67-64-1	
Allyl chloride	ND	ug/L	4.0	0.51	1		11/14/11 15:04	107-05-1	
Benzene	**30.0**	ug/L	1.0	0.36	1		11/14/11 15:04	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.31	1		11/14/11 15:04	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.22	1		11/14/11 15:04	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.23	1		11/14/11 15:04	75-27-4	
Bromoform	ND	ug/L	4.0	2.0	1		11/14/11 15:04	75-25-2	
Bromomethane	ND	ug/L	4.0	0.36	1		11/14/11 15:04	74-83-9	
2-Butanone (MEK)	ND	ug/L	4.0	2.0	1		11/14/11 15:04	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	0.38	1		11/14/11 15:04	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.37	1		11/14/11 15:04	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.47	1		11/14/11 15:04	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	0.38	1		11/14/11 15:04	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.33	1		11/14/11 15:04	108-90-7	
Chloroethane	ND	ug/L	1.0	0.32	1		11/14/11 15:04	75-00-3	
Chloroform	ND	ug/L	1.0	0.34	1		11/14/11 15:04	67-66-3	
Chloromethane	ND	ug/L	4.0	0.36	1		11/14/11 15:04	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.37	1		11/14/11 15:04	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.29	1		11/14/11 15:04	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1.2	1		11/14/11 15:04	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		11/14/11 15:04	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.26	1		11/14/11 15:04	106-93-4	
Dibromomethane	ND	ug/L	4.0	0.48	1		11/14/11 15:04	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.31	1		11/14/11 15:04	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.40	1		11/14/11 15:04	541-73-1	

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ANALYTICAL RESULTS

Project: 2118-0001 Superior MGP
Pace Project No.: 10174972

Sample: MW-15 **Lab ID: 10174972013** Collected: 11/04/11 11:20 Received: 11/04/11 16:56 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260								
1,4-Dichlorobenzene	ND	ug/L	1.0	0.34	1		11/14/11 15:04	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.23	1		11/14/11 15:04	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.23	1		11/14/11 15:04	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.23	1		11/14/11 15:04	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.47	1		11/14/11 15:04	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.37	1		11/14/11 15:04	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	4.0	0.21	1		11/14/11 15:04	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	0.25	1		11/14/11 15:04	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	0.41	1		11/14/11 15:04	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.36	1		11/14/11 15:04	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	0.42	1		11/14/11 15:04	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.46	1		11/14/11 15:04	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	0.27	1		11/14/11 15:04	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	0.18	1		11/14/11 15:04	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	0.28	1		11/14/11 15:04	60-29-7	
Ethylbenzene	ND	ug/L	1.0	0.38	1		11/14/11 15:04	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	0.20	1		11/14/11 15:04	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.36	1		11/14/11 15:04	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.36	1		11/14/11 15:04	99-87-6	
Methylene Chloride	ND	ug/L	4.0	2.0	1		11/14/11 15:04	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	4.0	2.0	1		11/14/11 15:04	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.24	1		11/14/11 15:04	1634-04-4	
Naphthalene	**7.9**	ug/L	4.0	0.57	1		11/14/11 15:04	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.42	1		11/14/11 15:04	103-65-1	
Styrene	ND	ug/L	1.0	0.35	1		11/14/11 15:04	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.35	1		11/14/11 15:04	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.17	1		11/14/11 15:04	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.26	1		11/14/11 15:04	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	4.1	1		11/14/11 15:04	109-99-9	
Toluene	ND	ug/L	1.0	0.39	1		11/14/11 15:04	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.29	1		11/14/11 15:04	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.33	1		11/14/11 15:04	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.26	1		11/14/11 15:04	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.38	1		11/14/11 15:04	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.20	1		11/14/11 15:04	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		11/14/11 15:04	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	0.25	1		11/14/11 15:04	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	0.49	1		11/14/11 15:04	76-13-1	
1,2,4-Trimethylbenzene	**1.9**	ug/L	1.0	0.26	1		11/14/11 15:04	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.38	1		11/14/11 15:04	108-67-8	
Vinyl chloride	ND	ug/L	0.40	0.17	1		11/14/11 15:04	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1.1	1		11/14/11 15:04	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		11/14/11 15:04	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.46	1		11/14/11 15:04	95-47-6	
Surrogates									
Dibromofluoromethane (S)	105	%	75-125		1		11/14/11 15:04	1868-53-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2118-0001 Superior MGP
Pace Project No.: 10174972

Sample: MW-15 **Lab ID: 10174972013** Collected: 11/04/11 11:20 Received: 11/04/11 16:56 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260								
Surrogates									
1,2-Dichloroethane-d4 (S)	104	%	75-125		1		11/14/11 15:04	17060-07-0	
Toluene-d8 (S)	94	%	75-125		1		11/14/11 15:04	2037-26-5	
4-Bromofluorobenzene (S)	102	%	75-125		1		11/14/11 15:04	460-00-4	

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ANALYTICAL RESULTS

Project: 2118-0001 Superior MGP
Pace Project No.: 10174972

Sample: MW-20 **Lab ID: 10174972014** Collected: 11/04/11 10:40 Received: 11/04/11 16:56 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Acenaphthene	**61.8**	ug/L	0.86	0.086	20	11/08/11 07:51	11/10/11 13:40	83-32-9	
Acenaphthylene	**0.30**	ug/L	0.043	0.0043	1	11/08/11 07:51	11/09/11 16:29	208-96-8	
Anthracene	**0.18**	ug/L	0.043	0.018	1	11/08/11 07:51	11/09/11 16:29	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.043	0.0065	1	11/08/11 07:51	11/09/11 16:29	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.043	0.0054	1	11/08/11 07:51	11/09/11 16:29	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.043	0.0065	1	11/08/11 07:51	11/09/11 16:29	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.043	0.0065	1	11/08/11 07:51	11/09/11 16:29	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.043	0.0075	1	11/08/11 07:51	11/09/11 16:29	207-08-9	
Chrysene	ND	ug/L	0.043	0.0065	1	11/08/11 07:51	11/09/11 16:29	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.043	0.022	1	11/08/11 07:51	11/09/11 16:29	53-70-3	
Fluoranthene	**0.23**	ug/L	0.043	0.0054	1	11/08/11 07:51	11/09/11 16:29	206-44-0	
Fluorene	**4.1**	ug/L	0.043	0.0054	1	11/08/11 07:51	11/09/11 16:29	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.043	0.0054	1	11/08/11 07:51	11/09/11 16:29	193-39-5	
Naphthalene	**13.8**	ug/L	0.86	0.28	20	11/08/11 07:51	11/10/11 13:40	91-20-3	
Phenanthrene	**0.60**	ug/L	0.043	0.020	1	11/08/11 07:51	11/09/11 16:29	85-01-8	
Pyrene	**0.18**	ug/L	0.043	0.0054	1	11/08/11 07:51	11/09/11 16:29	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	77	%	56-125		1	11/08/11 07:51	11/09/11 16:29	321-60-8	
Terphenyl-d14 (S)	80	%	58-125		1	11/08/11 07:51	11/09/11 16:29	1718-51-0	
8260 VOC	Analytical Method: EPA 8260								
Acetone	ND	ug/L	1250	625	50		11/12/11 04:23	67-64-1	
Allyl chloride	ND	ug/L	200	25.5	50		11/12/11 04:23	107-05-1	
Benzene	**14700**	ug/L	100	36.0	100		11/14/11 21:07	71-43-2	
Bromobenzene	ND	ug/L	50.0	15.5	50		11/12/11 04:23	108-86-1	
Bromochloromethane	ND	ug/L	50.0	11.0	50		11/12/11 04:23	74-97-5	
Bromodichloromethane	ND	ug/L	50.0	11.5	50		11/12/11 04:23	75-27-4	
Bromoform	ND	ug/L	200	100	50		11/12/11 04:23	75-25-2	
Bromomethane	ND	ug/L	200	18.0	50		11/12/11 04:23	74-83-9	
2-Butanone (MEK)	ND	ug/L	200	100	50		11/12/11 04:23	78-93-3	
n-Butylbenzene	ND	ug/L	50.0	19.0	50		11/12/11 04:23	104-51-8	
sec-Butylbenzene	ND	ug/L	50.0	18.5	50		11/12/11 04:23	135-98-8	
tert-Butylbenzene	ND	ug/L	50.0	23.5	50		11/12/11 04:23	98-06-6	
Carbon tetrachloride	ND	ug/L	50.0	19.0	50		11/12/11 04:23	56-23-5	
Chlorobenzene	ND	ug/L	50.0	16.5	50		11/12/11 04:23	108-90-7	
Chloroethane	ND	ug/L	50.0	16.0	50		11/12/11 04:23	75-00-3	
Chloroform	ND	ug/L	50.0	17.0	50		11/12/11 04:23	67-66-3	
Chloromethane	ND	ug/L	200	18.0	50		11/12/11 04:23	74-87-3	
2-Chlorotoluene	ND	ug/L	50.0	18.5	50		11/12/11 04:23	95-49-8	
4-Chlorotoluene	ND	ug/L	50.0	14.5	50		11/12/11 04:23	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	200	61.5	50		11/12/11 04:23	96-12-8	
Dibromochloromethane	ND	ug/L	50.0	18.0	50		11/12/11 04:23	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	50.0	13.0	50		11/12/11 04:23	106-93-4	
Dibromomethane	ND	ug/L	200	24.0	50		11/12/11 04:23	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	50.0	15.5	50		11/12/11 04:23	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	50.0	20.0	50		11/12/11 04:23	541-73-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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ANALYTICAL RESULTS

Project: 2118-0001 Superior MGP
Pace Project No.: 10174972

Sample: MW-20 **Lab ID: 10174972014** Collected: 11/04/11 10:40 Received: 11/04/11 16:56 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260								
1,4-Dichlorobenzene	ND	ug/L	50.0	17.0	50		11/12/11 04:23	106-46-7	
Dichlorodifluoromethane	ND	ug/L	50.0	11.5	50		11/12/11 04:23	75-71-8	
1,1-Dichloroethane	ND	ug/L	50.0	11.5	50		11/12/11 04:23	75-34-3	
1,2-Dichloroethane	ND	ug/L	50.0	11.5	50		11/12/11 04:23	107-06-2	
1,1-Dichloroethene	ND	ug/L	50.0	23.5	50		11/12/11 04:23	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	50.0	18.5	50		11/12/11 04:23	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	200	10.5	50		11/12/11 04:23	156-60-5	
Dichlorofluoromethane	ND	ug/L	50.0	12.5	50		11/12/11 04:23	75-43-4	
1,2-Dichloropropane	ND	ug/L	200	20.5	50		11/12/11 04:23	78-87-5	
1,3-Dichloropropane	ND	ug/L	50.0	18.0	50		11/12/11 04:23	142-28-9	
2,2-Dichloropropane	ND	ug/L	200	21.0	50		11/12/11 04:23	594-20-7	
1,1-Dichloropropene	ND	ug/L	50.0	23.0	50		11/12/11 04:23	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	200	13.5	50		11/12/11 04:23	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	200	9.0	50		11/12/11 04:23	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	200	14.0	50		11/12/11 04:23	60-29-7	
Ethylbenzene	ND	ug/L	50.0	19.0	50		11/12/11 04:23	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	250	10.0	50		11/12/11 04:23	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	50.0	18.0	50		11/12/11 04:23	98-82-8	
p-Isopropyltoluene	ND	ug/L	50.0	18.0	50		11/12/11 04:23	99-87-6	
Methylene Chloride	ND	ug/L	200	100	50		11/12/11 04:23	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	200	100	50		11/12/11 04:23	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	50.0	12.0	50		11/12/11 04:23	1634-04-4	
Naphthalene	ND	ug/L	200	28.5	50		11/12/11 04:23	91-20-3	
n-Propylbenzene	ND	ug/L	50.0	21.0	50		11/12/11 04:23	103-65-1	
Styrene	ND	ug/L	50.0	17.5	50		11/12/11 04:23	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	50.0	17.5	50		11/12/11 04:23	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	50.0	8.5	50		11/12/11 04:23	79-34-5	
Tetrachloroethene	ND	ug/L	50.0	13.0	50		11/12/11 04:23	127-18-4	
Tetrahydrofuran	ND	ug/L	500	205	50		11/12/11 04:23	109-99-9	
Toluene	ND	ug/L	50.0	19.5	50		11/12/11 04:23	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	50.0	14.5	50		11/12/11 04:23	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	50.0	16.5	50		11/12/11 04:23	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	50.0	13.0	50		11/12/11 04:23	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	50.0	19.0	50		11/12/11 04:23	79-00-5	
Trichloroethene	ND	ug/L	50.0	10.0	50		11/12/11 04:23	79-01-6	
Trichlorofluoromethane	ND	ug/L	50.0	15.0	50		11/12/11 04:23	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	200	12.5	50		11/12/11 04:23	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	50.0	24.5	50		11/12/11 04:23	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	50.0	13.0	50		11/12/11 04:23	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	50.0	19.0	50		11/12/11 04:23	108-67-8	
Vinyl chloride	ND	ug/L	20.0	8.5	50		11/12/11 04:23	75-01-4	
Xylene (Total)	ND	ug/L	150	56.0	50		11/12/11 04:23	1330-20-7	
m&p-Xylene	ND	ug/L	100	33.0	50		11/12/11 04:23	179601-23-1	
o-Xylene	ND	ug/L	50.0	23.0	50		11/12/11 04:23	95-47-6	
Surrogates									
Dibromofluoromethane (S)	101	%	75-125		50		11/12/11 04:23	1868-53-7	

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ANALYTICAL RESULTS

Project: 2118-0001 Superior MGP
Pace Project No.: 10174972

Sample: MW-20 **Lab ID: 10174972014** Collected: 11/04/11 10:40 Received: 11/04/11 16:56 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260								
Surrogates									
1,2-Dichloroethane-d4 (S)	103	%	75-125		50		11/12/11 04:23	17060-07-0	
Toluene-d8 (S)	96	%	75-125		50		11/12/11 04:23	2037-26-5	
4-Bromofluorobenzene (S)	93	%	75-125		50		11/12/11 04:23	460-00-4	

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ANALYTICAL RESULTS

Project: 2118-0001 Superior MGP
Pace Project No.: 10174972

Sample: MW-22 **Lab ID: 10174972015** Collected: 11/04/11 09:00 Received: 11/04/11 16:56 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Acenaphthene	**0.079**	ug/L	0.043	0.0043	1	11/08/11 07:51	11/09/11 16:48	83-32-9	
Acenaphthylene	ND	ug/L	0.043	0.0043	1	11/08/11 07:51	11/09/11 16:48	208-96-8	
Anthracene	ND	ug/L	0.043	0.018	1	11/08/11 07:51	11/09/11 16:48	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.043	0.0064	1	11/08/11 07:51	11/09/11 16:48	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.043	0.0053	1	11/08/11 07:51	11/09/11 16:48	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.043	0.0064	1	11/08/11 07:51	11/09/11 16:48	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.043	0.0064	1	11/08/11 07:51	11/09/11 16:48	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.043	0.0074	1	11/08/11 07:51	11/09/11 16:48	207-08-9	
Chrysene	ND	ug/L	0.043	0.0064	1	11/08/11 07:51	11/09/11 16:48	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.043	0.021	1	11/08/11 07:51	11/09/11 16:48	53-70-3	
Fluoranthene	ND	ug/L	0.043	0.0053	1	11/08/11 07:51	11/09/11 16:48	206-44-0	
Fluorene	ND	ug/L	0.043	0.0053	1	11/08/11 07:51	11/09/11 16:48	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.043	0.0053	1	11/08/11 07:51	11/09/11 16:48	193-39-5	
Naphthalene	**0.47**	ug/L	0.043	0.014	1	11/08/11 07:51	11/09/11 16:48	91-20-3	
Phenanthrene	ND	ug/L	0.043	0.020	1	11/08/11 07:51	11/09/11 16:48	85-01-8	
Pyrene	ND	ug/L	0.043	0.0053	1	11/08/11 07:51	11/09/11 16:48	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	71	%	56-125		1	11/08/11 07:51	11/09/11 16:48	321-60-8	
Terphenyl-d14 (S)	73	%	58-125		1	11/08/11 07:51	11/09/11 16:48	1718-51-0	
8260 VOC	Analytical Method: EPA 8260								
Acetone	**130**	ug/L	25.0	12.5	1		11/14/11 15:20	67-64-1	
Allyl chloride	ND	ug/L	4.0	0.51	1		11/14/11 15:20	107-05-1	
Benzene	**4.5**	ug/L	1.0	0.36	1		11/14/11 15:20	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.31	1		11/14/11 15:20	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.22	1		11/14/11 15:20	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.23	1		11/14/11 15:20	75-27-4	
Bromoform	ND	ug/L	4.0	2.0	1		11/14/11 15:20	75-25-2	
Bromomethane	ND	ug/L	4.0	0.36	1		11/14/11 15:20	74-83-9	
2-Butanone (MEK)	**12.1**	ug/L	4.0	2.0	1		11/14/11 15:20	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	0.38	1		11/14/11 15:20	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.37	1		11/14/11 15:20	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.47	1		11/14/11 15:20	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	0.38	1		11/14/11 15:20	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.33	1		11/14/11 15:20	108-90-7	
Chloroethane	ND	ug/L	1.0	0.32	1		11/14/11 15:20	75-00-3	
Chloroform	ND	ug/L	1.0	0.34	1		11/14/11 15:20	67-66-3	
Chloromethane	ND	ug/L	4.0	0.36	1		11/14/11 15:20	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.37	1		11/14/11 15:20	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.29	1		11/14/11 15:20	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1.2	1		11/14/11 15:20	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		11/14/11 15:20	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.26	1		11/14/11 15:20	106-93-4	
Dibromomethane	ND	ug/L	4.0	0.48	1		11/14/11 15:20	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.31	1		11/14/11 15:20	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.40	1		11/14/11 15:20	541-73-1	

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ANALYTICAL RESULTS

Project: 2118-0001 Superior MGP
Pace Project No.: 10174972

Sample: MW-22 **Lab ID: 10174972015** Collected: 11/04/11 09:00 Received: 11/04/11 16:56 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260								
1,4-Dichlorobenzene	ND	ug/L	1.0	0.34	1		11/14/11 15:20	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.23	1		11/14/11 15:20	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.23	1		11/14/11 15:20	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.23	1		11/14/11 15:20	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.47	1		11/14/11 15:20	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.37	1		11/14/11 15:20	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	4.0	0.21	1		11/14/11 15:20	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	0.25	1		11/14/11 15:20	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	0.41	1		11/14/11 15:20	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.36	1		11/14/11 15:20	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	0.42	1		11/14/11 15:20	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.46	1		11/14/11 15:20	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	0.27	1		11/14/11 15:20	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	0.18	1		11/14/11 15:20	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	0.28	1		11/14/11 15:20	60-29-7	
Ethylbenzene	ND	ug/L	1.0	0.38	1		11/14/11 15:20	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	0.20	1		11/14/11 15:20	87-68-3	
Isopropylbenzene (Cumene)	**1.8**	ug/L	1.0	0.36	1		11/14/11 15:20	98-82-8	
p-Isopropyltoluene	**2.5**	ug/L	1.0	0.36	1		11/14/11 15:20	99-87-6	
Methylene Chloride	ND	ug/L	4.0	2.0	1		11/14/11 15:20	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	4.0	2.0	1		11/14/11 15:20	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.24	1		11/14/11 15:20	1634-04-4	
Naphthalene	ND	ug/L	4.0	0.57	1		11/14/11 15:20	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.42	1		11/14/11 15:20	103-65-1	
Styrene	ND	ug/L	1.0	0.35	1		11/14/11 15:20	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.35	1		11/14/11 15:20	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.17	1		11/14/11 15:20	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.26	1		11/14/11 15:20	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	4.1	1		11/14/11 15:20	109-99-9	
Toluene	**1.8**	ug/L	1.0	0.39	1		11/14/11 15:20	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.29	1		11/14/11 15:20	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.33	1		11/14/11 15:20	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.26	1		11/14/11 15:20	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.38	1		11/14/11 15:20	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.20	1		11/14/11 15:20	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		11/14/11 15:20	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	0.25	1		11/14/11 15:20	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	0.49	1		11/14/11 15:20	76-13-1	
1,2,4-Trimethylbenzene	**13.6**	ug/L	1.0	0.26	1		11/14/11 15:20	95-63-6	
1,3,5-Trimethylbenzene	**7.6**	ug/L	1.0	0.38	1		11/14/11 15:20	108-67-8	
Vinyl chloride	ND	ug/L	0.40	0.17	1		11/14/11 15:20	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1.1	1		11/14/11 15:20	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		11/14/11 15:20	179601-23-1	
o-Xylene	**2.2**	ug/L	1.0	0.46	1		11/14/11 15:20	95-47-6	
Surrogates									
Dibromofluoromethane (S)	105	%	75-125		1		11/14/11 15:20	1868-53-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2118-0001 Superior MGP
Pace Project No.: 10174972

Sample: MW-22 **Lab ID: 10174972015** Collected: 11/04/11 09:00 Received: 11/04/11 16:56 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260								
Surrogates									
1,2-Dichloroethane-d4 (S)	103	%	75-125		1		11/14/11 15:20	17060-07-0	
Toluene-d8 (S)	93	%	75-125		1		11/14/11 15:20	2037-26-5	
4-Bromofluorobenzene (S)	103	%	75-125		1		11/14/11 15:20	460-00-4	

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ANALYTICAL RESULTS

Project: 2118-0001 Superior MGP
Pace Project No.: 10174972

Sample: MW-5 (DUP) **Lab ID: 10174972016** Collected: 11/03/11 15:30 Received: 11/04/11 16:56 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Acenaphthene	**0.31**	ug/L	0.045	0.0045	1	11/09/11 07:56	11/10/11 10:01	83-32-9	
Acenaphthylene	ND	ug/L	0.045	0.0045	1	11/09/11 07:56	11/10/11 10:01	208-96-8	
Anthracene	ND	ug/L	0.045	0.019	1	11/09/11 07:56	11/10/11 10:01	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.045	0.0067	1	11/09/11 07:56	11/10/11 10:01	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.045	0.0056	1	11/09/11 07:56	11/10/11 10:01	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.045	0.0067	1	11/09/11 07:56	11/10/11 10:01	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.045	0.0067	1	11/09/11 07:56	11/10/11 10:01	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.045	0.0079	1	11/09/11 07:56	11/10/11 10:01	207-08-9	
Chrysene	ND	ug/L	0.045	0.0067	1	11/09/11 07:56	11/10/11 10:01	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.045	0.022	1	11/09/11 07:56	11/10/11 10:01	53-70-3	
Fluoranthene	**0.047**	ug/L	0.045	0.0056	1	11/09/11 07:56	11/10/11 10:01	206-44-0	
Fluorene	**0.18**	ug/L	0.045	0.0056	1	11/09/11 07:56	11/10/11 10:01	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.045	0.0056	1	11/09/11 07:56	11/10/11 10:01	193-39-5	
Naphthalene	**0.12**	ug/L	0.045	0.015	1	11/09/11 07:56	11/10/11 10:01	91-20-3	
Phenanthrene	ND	ug/L	0.045	0.021	1	11/09/11 07:56	11/10/11 10:01	85-01-8	
Pyrene	ND	ug/L	0.045	0.0056	1	11/09/11 07:56	11/10/11 10:01	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	72	%	56-125		1	11/09/11 07:56	11/10/11 10:01	321-60-8	
Terphenyl-d14 (S)	92	%	58-125		1	11/09/11 07:56	11/10/11 10:01	1718-51-0	
8260 VOC	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	12.5	1		11/17/11 14:07	67-64-1	
Allyl chloride	ND	ug/L	4.0	0.51	1		11/17/11 14:07	107-05-1	
Benzene	ND	ug/L	1.0	0.36	1		11/17/11 14:07	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.31	1		11/17/11 14:07	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.22	1		11/17/11 14:07	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.23	1		11/17/11 14:07	75-27-4	
Bromoform	ND	ug/L	4.0	2.0	1		11/17/11 14:07	75-25-2	
Bromomethane	ND	ug/L	4.0	0.36	1		11/17/11 14:07	74-83-9	
2-Butanone (MEK)	ND	ug/L	4.0	2.0	1		11/17/11 14:07	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	0.38	1		11/17/11 14:07	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.37	1		11/17/11 14:07	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.47	1		11/17/11 14:07	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	0.38	1		11/17/11 14:07	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.33	1		11/17/11 14:07	108-90-7	
Chloroethane	ND	ug/L	1.0	0.32	1		11/17/11 14:07	75-00-3	
Chloroform	ND	ug/L	1.0	0.34	1		11/17/11 14:07	67-66-3	
Chloromethane	ND	ug/L	4.0	0.36	1		11/17/11 14:07	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.37	1		11/17/11 14:07	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.29	1		11/17/11 14:07	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1.2	1		11/17/11 14:07	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		11/17/11 14:07	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.26	1		11/17/11 14:07	106-93-4	
Dibromomethane	ND	ug/L	4.0	0.48	1		11/17/11 14:07	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.31	1		11/17/11 14:07	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.40	1		11/17/11 14:07	541-73-1	

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ANALYTICAL RESULTS

Project: 2118-0001 Superior MGP
Pace Project No.: 10174972

Sample: MW-5 (DUP) **Lab ID: 10174972016** Collected: 11/03/11 15:30 Received: 11/04/11 16:56 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260								
1,4-Dichlorobenzene	ND	ug/L	1.0	0.34	1		11/17/11 14:07	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.23	1		11/17/11 14:07	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.23	1		11/17/11 14:07	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.23	1		11/17/11 14:07	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.47	1		11/17/11 14:07	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.37	1		11/17/11 14:07	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	4.0	0.21	1		11/17/11 14:07	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	0.25	1		11/17/11 14:07	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	0.41	1		11/17/11 14:07	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.36	1		11/17/11 14:07	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	0.42	1		11/17/11 14:07	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.46	1		11/17/11 14:07	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	0.27	1		11/17/11 14:07	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	0.18	1		11/17/11 14:07	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	0.28	1		11/17/11 14:07	60-29-7	
Ethylbenzene	ND	ug/L	1.0	0.38	1		11/17/11 14:07	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	0.20	1		11/17/11 14:07	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.36	1		11/17/11 14:07	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.36	1		11/17/11 14:07	99-87-6	
Methylene Chloride	ND	ug/L	4.0	2.0	1		11/17/11 14:07	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	4.0	2.0	1		11/17/11 14:07	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.24	1		11/17/11 14:07	1634-04-4	
Naphthalene	ND	ug/L	4.0	0.57	1		11/17/11 14:07	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.42	1		11/17/11 14:07	103-65-1	
Styrene	ND	ug/L	1.0	0.35	1		11/17/11 14:07	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.35	1		11/17/11 14:07	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.17	1		11/17/11 14:07	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.26	1		11/17/11 14:07	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	4.1	1		11/17/11 14:07	109-99-9	
Toluene	ND	ug/L	1.0	0.39	1		11/17/11 14:07	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.29	1		11/17/11 14:07	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.33	1		11/17/11 14:07	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.26	1		11/17/11 14:07	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.38	1		11/17/11 14:07	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.20	1		11/17/11 14:07	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		11/17/11 14:07	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	0.25	1		11/17/11 14:07	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	0.49	1		11/17/11 14:07	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.26	1		11/17/11 14:07	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.38	1		11/17/11 14:07	108-67-8	
Vinyl chloride	ND	ug/L	0.40	0.17	1		11/17/11 14:07	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1.1	1		11/17/11 14:07	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		11/17/11 14:07	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.46	1		11/17/11 14:07	95-47-6	
Surrogates									
Dibromofluoromethane (S)	103	%	75-125		1		11/17/11 14:07	1868-53-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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ANALYTICAL RESULTS

Project: 2118-0001 Superior MGP
Pace Project No.: 10174972

Sample: MW-5 (DUP) **Lab ID: 10174972016** Collected: 11/03/11 15:30 Received: 11/04/11 16:56 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260								
Surrogates									
1,2-Dichloroethane-d4 (S)	113	%	75-125		1		11/17/11 14:07	17060-07-0	
Toluene-d8 (S)	101	%	75-125		1		11/17/11 14:07	2037-26-5	
4-Bromofluorobenzene (S)	106	%	75-125		1		11/17/11 14:07	460-00-4	

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ANALYTICAL RESULTS

Project: 2118-0001 Superior MGP
Pace Project No.: 10174972

Sample: Trip Blank **Lab ID: 10174972017** Collected: 11/03/11 00:00 Received: 11/04/11 16:56 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	12.5	1		11/11/11 22:59	67-64-1	
Allyl chloride	ND	ug/L	4.0	0.51	1		11/11/11 22:59	107-05-1	
Benzene	ND	ug/L	1.0	0.36	1		11/11/11 22:59	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.31	1		11/11/11 22:59	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.22	1		11/11/11 22:59	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.23	1		11/11/11 22:59	75-27-4	
Bromoform	ND	ug/L	4.0	2.0	1		11/11/11 22:59	75-25-2	
Bromomethane	ND	ug/L	4.0	0.36	1		11/11/11 22:59	74-83-9	
2-Butanone (MEK)	ND	ug/L	4.0	2.0	1		11/11/11 22:59	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	0.38	1		11/11/11 22:59	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.37	1		11/11/11 22:59	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.47	1		11/11/11 22:59	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	0.38	1		11/11/11 22:59	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.33	1		11/11/11 22:59	108-90-7	
Chloroethane	ND	ug/L	1.0	0.32	1		11/11/11 22:59	75-00-3	
Chloroform	ND	ug/L	1.0	0.34	1		11/11/11 22:59	67-66-3	
Chloromethane	ND	ug/L	4.0	0.36	1		11/11/11 22:59	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.37	1		11/11/11 22:59	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.29	1		11/11/11 22:59	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1.2	1		11/11/11 22:59	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.36	1		11/11/11 22:59	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.26	1		11/11/11 22:59	106-93-4	
Dibromomethane	ND	ug/L	4.0	0.48	1		11/11/11 22:59	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.31	1		11/11/11 22:59	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.40	1		11/11/11 22:59	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.34	1		11/11/11 22:59	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.23	1		11/11/11 22:59	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.23	1		11/11/11 22:59	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.23	1		11/11/11 22:59	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.47	1		11/11/11 22:59	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.37	1		11/11/11 22:59	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	4.0	0.21	1		11/11/11 22:59	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	0.25	1		11/11/11 22:59	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	0.41	1		11/11/11 22:59	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.36	1		11/11/11 22:59	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	0.42	1		11/11/11 22:59	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.46	1		11/11/11 22:59	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	0.27	1		11/11/11 22:59	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	0.18	1		11/11/11 22:59	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	0.28	1		11/11/11 22:59	60-29-7	
Ethylbenzene	ND	ug/L	1.0	0.38	1		11/11/11 22:59	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	0.20	1		11/11/11 22:59	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.36	1		11/11/11 22:59	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.36	1		11/11/11 22:59	99-87-6	
Methylene Chloride	ND	ug/L	4.0	2.0	1		11/11/11 22:59	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	4.0	2.0	1		11/11/11 22:59	108-10-1	

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ANALYTICAL RESULTS

Project: 2118-0001 Superior MGP
Pace Project No.: 10174972

Sample: Trip Blank **Lab ID: 10174972017** Collected: 11/03/11 00:00 Received: 11/04/11 16:56 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260								
Methyl-tert-butyl ether	ND	ug/L	1.0	0.24	1		11/11/11 22:59	1634-04-4	
Naphthalene	ND	ug/L	4.0	0.57	1		11/11/11 22:59	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.42	1		11/11/11 22:59	103-65-1	
Styrene	ND	ug/L	1.0	0.35	1		11/11/11 22:59	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.35	1		11/11/11 22:59	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.17	1		11/11/11 22:59	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.26	1		11/11/11 22:59	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	4.1	1		11/11/11 22:59	109-99-9	
Toluene	ND	ug/L	1.0	0.39	1		11/11/11 22:59	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.29	1		11/11/11 22:59	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.33	1		11/11/11 22:59	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.26	1		11/11/11 22:59	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.38	1		11/11/11 22:59	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.20	1		11/11/11 22:59	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.30	1		11/11/11 22:59	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	0.25	1		11/11/11 22:59	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	0.49	1		11/11/11 22:59	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.26	1		11/11/11 22:59	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.38	1		11/11/11 22:59	108-67-8	
Vinyl chloride	ND	ug/L	0.40	0.17	1		11/11/11 22:59	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1.1	1		11/11/11 22:59	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		11/11/11 22:59	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.46	1		11/11/11 22:59	95-47-6	
Surrogates									
Dibromofluoromethane (S)	100	%	75-125		1		11/11/11 22:59	1868-53-7	
1,2-Dichloroethane-d4 (S)	101	%	75-125		1		11/11/11 22:59	17060-07-0	
Toluene-d8 (S)	95	%	75-125		1		11/11/11 22:59	2037-26-5	
4-Bromofluorobenzene (S)	94	%	75-125		1		11/11/11 22:59	460-00-4	

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QUALITY CONTROL DATA

Project: 2118-0001 Superior MGP
Pace Project No.: 10174972

QC Batch: MSV/18592 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 465 W
Associated Lab Samples: 10174972006, 10174972007

METHOD BLANK: 1096938 Matrix: Water
Associated Lab Samples: 10174972006, 10174972007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	11/11/11 10:36	
1,1,1-Trichloroethane	ug/L	ND	1.0	11/11/11 10:36	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	11/11/11 10:36	
1,1,2-Trichloroethane	ug/L	ND	1.0	11/11/11 10:36	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	1.0	11/11/11 10:36	
1,1-Dichloroethane	ug/L	ND	1.0	11/11/11 10:36	
1,1-Dichloroethene	ug/L	ND	1.0	11/11/11 10:36	
1,1-Dichloropropene	ug/L	ND	1.0	11/11/11 10:36	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	11/11/11 10:36	
1,2,3-Trichloropropane	ug/L	ND	4.0	11/11/11 10:36	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	11/11/11 10:36	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	11/11/11 10:36	
1,2-Dibromo-3-chloropropane	ug/L	ND	4.0	11/11/11 10:36	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	11/11/11 10:36	
1,2-Dichlorobenzene	ug/L	ND	1.0	11/11/11 10:36	
1,2-Dichloroethane	ug/L	ND	1.0	11/11/11 10:36	
1,2-Dichloropropane	ug/L	ND	4.0	11/11/11 10:36	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	11/11/11 10:36	
1,3-Dichlorobenzene	ug/L	ND	1.0	11/11/11 10:36	
1,3-Dichloropropane	ug/L	ND	1.0	11/11/11 10:36	
1,4-Dichlorobenzene	ug/L	ND	1.0	11/11/11 10:36	
2,2-Dichloropropane	ug/L	ND	4.0	11/11/11 10:36	
2-Butanone (MEK)	ug/L	ND	4.0	11/11/11 10:36	
2-Chlorotoluene	ug/L	ND	1.0	11/11/11 10:36	
4-Chlorotoluene	ug/L	ND	1.0	11/11/11 10:36	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	4.0	11/11/11 10:36	
Acetone	ug/L	ND	25.0	11/11/11 10:36	
Allyl chloride	ug/L	ND	4.0	11/11/11 10:36	
Benzene	ug/L	ND	1.0	11/11/11 10:36	
Bromobenzene	ug/L	ND	1.0	11/11/11 10:36	
Bromochloromethane	ug/L	ND	1.0	11/11/11 10:36	
Bromodichloromethane	ug/L	ND	1.0	11/11/11 10:36	
Bromoform	ug/L	ND	4.0	11/11/11 10:36	
Bromomethane	ug/L	ND	4.0	11/11/11 10:36	
Carbon tetrachloride	ug/L	ND	1.0	11/11/11 10:36	
Chlorobenzene	ug/L	ND	1.0	11/11/11 10:36	
Chloroethane	ug/L	ND	1.0	11/11/11 10:36	
Chloroform	ug/L	ND	1.0	11/11/11 10:36	
Chloromethane	ug/L	ND	4.0	11/11/11 10:36	
cis-1,2-Dichloroethene	ug/L	ND	1.0	11/11/11 10:36	
cis-1,3-Dichloropropene	ug/L	ND	4.0	11/11/11 10:36	
Dibromochloromethane	ug/L	ND	1.0	11/11/11 10:36	
Dibromomethane	ug/L	ND	4.0	11/11/11 10:36	

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QUALITY CONTROL DATA

Project: 2118-0001 Superior MGP
Pace Project No.: 10174972

METHOD BLANK: 1096938 Matrix: Water

Associated Lab Samples: 10174972006, 10174972007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dichlorodifluoromethane	ug/L	ND	1.0	11/11/11 10:36	
Dichlorofluoromethane	ug/L	ND	1.0	11/11/11 10:36	
Diethyl ether (Ethyl ether)	ug/L	ND	4.0	11/11/11 10:36	
Ethylbenzene	ug/L	ND	1.0	11/11/11 10:36	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	11/11/11 10:36	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	11/11/11 10:36	
m&p-Xylene	ug/L	ND	2.0	11/11/11 10:36	
Methyl-tert-butyl ether	ug/L	ND	1.0	11/11/11 10:36	
Methylene Chloride	ug/L	ND	4.0	11/11/11 10:36	
n-Butylbenzene	ug/L	ND	1.0	11/11/11 10:36	
n-Propylbenzene	ug/L	ND	1.0	11/11/11 10:36	
Naphthalene	ug/L	ND	4.0	11/11/11 10:36	
o-Xylene	ug/L	ND	1.0	11/11/11 10:36	
p-Isopropyltoluene	ug/L	ND	1.0	11/11/11 10:36	
sec-Butylbenzene	ug/L	ND	1.0	11/11/11 10:36	
Styrene	ug/L	ND	1.0	11/11/11 10:36	
tert-Butylbenzene	ug/L	ND	1.0	11/11/11 10:36	
Tetrachloroethene	ug/L	ND	1.0	11/11/11 10:36	
Tetrahydrofuran	ug/L	ND	10.0	11/11/11 10:36	
Toluene	ug/L	ND	1.0	11/11/11 10:36	
trans-1,2-Dichloroethene	ug/L	ND	4.0	11/11/11 10:36	
trans-1,3-Dichloropropene	ug/L	ND	4.0	11/11/11 10:36	
Trichloroethene	ug/L	ND	1.0	11/11/11 10:36	
Trichlorofluoromethane	ug/L	ND	1.0	11/11/11 10:36	
Vinyl chloride	ug/L	ND	0.40	11/11/11 10:36	
Xylene (Total)	ug/L	ND	3.0	11/11/11 10:36	
1,2-Dichloroethane-d4 (S)	%	101	75-125	11/11/11 10:36	
4-Bromofluorobenzene (S)	%	95	75-125	11/11/11 10:36	
Dibromofluoromethane (S)	%	99	75-125	11/11/11 10:36	
Toluene-d8 (S)	%	95	75-125	11/11/11 10:36	

LABORATORY CONTROL SAMPLE: 1096939

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	49.9	100	75-125	
1,1,1-Trichloroethane	ug/L	50	48.3	97	75-125	
1,1,2,2-Tetrachloroethane	ug/L	50	44.0	88	75-125	
1,1,2-Trichloroethane	ug/L	50	44.6	89	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	50	53.2	106	75-126	
1,1-Dichloroethane	ug/L	50	45.0	90	75-125	
1,1-Dichloroethene	ug/L	50	53.0	106	75-125	
1,1-Dichloropropene	ug/L	50	46.4	93	75-125	
1,2,3-Trichlorobenzene	ug/L	50	47.9	96	68-128	
1,2,3-Trichloropropane	ug/L	50	45.5	91	75-125	
1,2,4-Trichlorobenzene	ug/L	50	46.4	93	75-125	

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QUALITY CONTROL DATA

Project: 2118-0001 Superior MGP
Pace Project No.: 10174972

LABORATORY CONTROL SAMPLE: 1096939

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trimethylbenzene	ug/L	50	44.2	88	75-125	
1,2-Dibromo-3-chloropropane	ug/L	50	45.7	91	68-125	
1,2-Dibromoethane (EDB)	ug/L	50	47.3	95	75-125	
1,2-Dichlorobenzene	ug/L	50	46.0	92	75-125	
1,2-Dichloroethane	ug/L	50	48.5	97	71-125	
1,2-Dichloropropane	ug/L	50	44.4	89	75-125	
1,3,5-Trimethylbenzene	ug/L	50	44.2	88	75-125	
1,3-Dichlorobenzene	ug/L	50	44.9	90	75-125	
1,3-Dichloropropane	ug/L	50	45.2	90	75-125	
1,4-Dichlorobenzene	ug/L	50	45.4	91	75-125	
2,2-Dichloropropane	ug/L	50	44.5	89	69-132	
2-Butanone (MEK)	ug/L	50	36.4	73	56-137	
2-Chlorotoluene	ug/L	50	44.0	88	75-125	
4-Chlorotoluene	ug/L	50	43.9	88	75-125	
4-Methyl-2-pentanone (MIBK)	ug/L	50	43.4	87	67-125	
Acetone	ug/L	125	74.3	59	41-130	
Allyl chloride	ug/L	50	49.6	99	59-130	
Benzene	ug/L	50	44.5	89	75-125	
Bromobenzene	ug/L	50	45.5	91	75-125	
Bromochloromethane	ug/L	50	49.5	99	75-125	
Bromodichloromethane	ug/L	50	50.2	100	75-125	
Bromoform	ug/L	50	49.2	98	75-125	
Bromomethane	ug/L	50	71.9	144	45-138	L0
Carbon tetrachloride	ug/L	50	52.7	105	75-125	
Chlorobenzene	ug/L	50	45.4	91	75-125	
Chloroethane	ug/L	50	68.9	138	72-125	L0
Chloroform	ug/L	50	46.1	92	75-125	
Chloromethane	ug/L	50	45.5	91	65-125	
cis-1,2-Dichloroethene	ug/L	50	45.5	91	75-125	
cis-1,3-Dichloropropene	ug/L	50	45.6	91	75-125	
Dibromochloromethane	ug/L	50	54.9	110	75-125	
Dibromomethane	ug/L	50	48.1	96	75-125	
Dichlorodifluoromethane	ug/L	50	43.2	86	55-143	
Dichlorofluoromethane	ug/L	50	52.8	106	75-125	
Diethyl ether (Ethyl ether)	ug/L	50	52.9	106	75-125	
Ethylbenzene	ug/L	50	43.6	87	75-125	
Hexachloro-1,3-butadiene	ug/L	25	23.9	95	69-132	
Isopropylbenzene (Cumene)	ug/L	50	43.5	87	75-125	
m&p-Xylene	ug/L	100	88.3	88	75-125	
Methyl-tert-butyl ether	ug/L	50	42.9	86	75-125	
Methylene Chloride	ug/L	50	45.2	90	75-125	
n-Butylbenzene	ug/L	50	45.1	90	75-125	
n-Propylbenzene	ug/L	50	44.0	88	75-125	
Naphthalene	ug/L	50	44.5	89	74-129	
o-Xylene	ug/L	50	44.1	88	75-125	
p-Isopropyltoluene	ug/L	50	45.2	90	75-125	
sec-Butylbenzene	ug/L	50	43.3	87	75-125	
Styrene	ug/L	50	43.7	87	75-125	

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QUALITY CONTROL DATA

Project: 2118-0001 Superior MGP
Pace Project No.: 10174972

LABORATORY CONTROL SAMPLE: 1096939

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
tert-Butylbenzene	ug/L	50	44.8	90	75-125	
Tetrachloroethene	ug/L	50	47.8	96	75-125	
Tetrahydrofuran	ug/L	500	442	88	64-128	
Toluene	ug/L	50	44.3	89	75-125	
trans-1,2-Dichloroethene	ug/L	50	46.3	93	75-125	
trans-1,3-Dichloropropene	ug/L	50	46.5	93	75-125	
Trichloroethene	ug/L	50	47.8	96	75-125	
Trichlorofluoromethane	ug/L	50	52.8	106	75-125	
Vinyl chloride	ug/L	50	46.9	94	74-125	
Xylene (Total)	ug/L	150	132	88	75-125	
1,2-Dichloroethane-d4 (S)	%			102	75-125	
4-Bromofluorobenzene (S)	%			97	75-125	
Dibromofluoromethane (S)	%			104	75-125	
Toluene-d8 (S)	%			98	75-125	

MATRIX SPIKE SAMPLE: 1096940

Parameter	Units	10174776010 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	50	54.5	109	75-125	
1,1,1-Trichloroethane	ug/L	ND	50	55.2	110	75-128	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	47.5	95	75-125	
1,1,2-Trichloroethane	ug/L	ND	50	48.7	97	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	50	76.6	153	75-150	M1
1,1-Dichloroethane	ug/L	ND	50	48.5	97	75-125	
1,1-Dichloroethene	ug/L	ND	50	61.4	123	75-134	
1,1-Dichloropropene	ug/L	ND	50	53.4	107	75-131	
1,2,3-Trichlorobenzene	ug/L	ND	50	51.3	103	67-145	
1,2,3-Trichloropropane	ug/L	ND	50	48.9	98	75-125	
1,2,4-Trichlorobenzene	ug/L	ND	50	49.8	100	74-138	
1,2,4-Trimethylbenzene	ug/L	ND	50	47.7	95	75-126	
1,2-Dibromo-3-chloropropane	ug/L	ND	50	49.7	99	68-129	
1,2-Dibromoethane (EDB)	ug/L	ND	50	51.6	103	75-125	
1,2-Dichlorobenzene	ug/L	ND	50	49.8	100	75-125	
1,2-Dichloroethane	ug/L	ND	50	51.1	102	69-129	
1,2-Dichloropropane	ug/L	ND	50	47.7	95	75-125	
1,3,5-Trimethylbenzene	ug/L	ND	50	48.3	97	75-125	
1,3-Dichlorobenzene	ug/L	ND	50	48.9	98	75-125	
1,3-Dichloropropane	ug/L	ND	50	48.3	97	75-125	
1,4-Dichlorobenzene	ug/L	ND	50	48.9	98	75-125	
2,2-Dichloropropane	ug/L	ND	50	50.8	102	69-141	
2-Butanone (MEK)	ug/L	ND	50	37.7	75	42-137	
2-Chlorotoluene	ug/L	ND	50	48.0	96	68-147	
4-Chlorotoluene	ug/L	ND	50	48.4	97	75-130	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	50	46.3	93	57-126	
Acetone	ug/L	ND	125	69.3	55	34-130	
Allyl chloride	ug/L	ND	50	54.5	109	53-140	
Benzene	ug/L	ND	50	48.5	97	73-136	

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QUALITY CONTROL DATA

Project: 2118-0001 Superior MGP
Pace Project No.: 10174972

MATRIX SPIKE SAMPLE: 1096940

Parameter	Units	10174776010 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Bromobenzene	ug/L	ND	50	49.5	99	75-125	
Bromochloromethane	ug/L	ND	50	52.6	105	75-125	
Bromodichloromethane	ug/L	ND	50	53.9	108	75-125	
Bromoform	ug/L	ND	50	52.9	106	75-125	
Bromomethane	ug/L	ND	50	82.4	165	41-150	M0
Carbon tetrachloride	ug/L	ND	50	61.7	123	75-135	
Chlorobenzene	ug/L	ND	50	49.0	98	75-125	
Chloroethane	ug/L	ND	50	77.8	156	71-139	M0
Chloroform	ug/L	ND	50	49.4	99	75-125	
Chloromethane	ug/L	ND	50	49.8	100	65-144	
cis-1,2-Dichloroethene	ug/L	ND	50	49.9	100	75-125	
cis-1,3-Dichloropropene	ug/L	ND	50	49.1	98	75-125	
Dibromochloromethane	ug/L	ND	50	59.6	119	75-125	
Dibromomethane	ug/L	ND	50	50.9	102	75-125	
Dichlorodifluoromethane	ug/L	ND	50	60.8	122	55-150	
Dichlorofluoromethane	ug/L	ND	50	58.6	117	75-129	
Diethyl ether (Ethyl ether)	ug/L	ND	50	56.5	113	75-125	
Ethylbenzene	ug/L	ND	50	48.0	96	75-137	
Hexachloro-1,3-butadiene	ug/L	ND	25	25.7	103	69-150	
Isopropylbenzene (Cumene)	ug/L	ND	50	47.9	96	75-125	
m&p-Xylene	ug/L	ND	100	96.8	97	71-133	
Methyl-tert-butyl ether	ug/L	ND	50	45.9	92	75-125	
Methylene Chloride	ug/L	ND	50	47.4	95	75-125	
n-Butylbenzene	ug/L	ND	50	48.7	97	75-141	
n-Propylbenzene	ug/L	ND	50	48.9	98	75-132	
Naphthalene	ug/L	ND	50	47.9	96	74-138	
o-Xylene	ug/L	ND	50	47.8	96	75-128	
p-Isopropyltoluene	ug/L	ND	50	49.4	99	75-133	
sec-Butylbenzene	ug/L	ND	50	47.7	95	75-136	
Styrene	ug/L	ND	50	47.1	94	72-125	
tert-Butylbenzene	ug/L	ND	50	49.3	99	75-132	
Tetrachloroethene	ug/L	ND	50	54.1	108	75-126	
Tetrahydrofuran	ug/L	ND	500	461	92	64-128	
Toluene	ug/L	ND	50	48.9	98	75-125	
trans-1,2-Dichloroethene	ug/L	ND	50	51.8	104	75-127	
trans-1,3-Dichloropropene	ug/L	ND	50	50.4	101	75-125	
Trichloroethene	ug/L	ND	50	53.4	107	75-125	
Trichlorofluoromethane	ug/L	ND	50	65.3	131	75-150	
Vinyl chloride	ug/L	ND	50	52.3	105	74-142	
Xylene (Total)	ug/L	ND	150	145	96	73-132	
1,2-Dichloroethane-d4 (S)	%				101	75-125	
4-Bromofluorobenzene (S)	%				98	75-125	
Dibromofluoromethane (S)	%				102	75-125	
Toluene-d8 (S)	%				98	75-125	

Pace Analytical Services, Inc.
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QUALITY CONTROL DATA

Project: 2118-0001 Superior MGP
Pace Project No.: 10174972

SAMPLE DUPLICATE: 1096986

Parameter	Units	10174776002 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	ND		30	
1,1,1-Trichloroethane	ug/L	ND	ND		30	
1,1,2,2-Tetrachloroethane	ug/L	ND	ND		30	
1,1,2-Trichloroethane	ug/L	ND	ND		30	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	ND		30	
1,1-Dichloroethane	ug/L	ND	ND		30	
1,1-Dichloroethene	ug/L	ND	ND		30	
1,1-Dichloropropene	ug/L	ND	ND		30	
1,2,3-Trichlorobenzene	ug/L	ND	ND		30	
1,2,3-Trichloropropane	ug/L	ND	ND		30	
1,2,4-Trichlorobenzene	ug/L	ND	ND		30	
1,2,4-Trimethylbenzene	ug/L	ND	ND		30	
1,2-Dibromo-3-chloropropane	ug/L	ND	ND		30	
1,2-Dibromoethane (EDB)	ug/L	ND	ND		30	
1,2-Dichlorobenzene	ug/L	ND	ND		30	
1,2-Dichloroethane	ug/L	ND	ND		30	
1,2-Dichloropropane	ug/L	ND	ND		30	
1,3,5-Trimethylbenzene	ug/L	ND	ND		30	
1,3-Dichlorobenzene	ug/L	ND	ND		30	
1,3-Dichloropropane	ug/L	ND	ND		30	
1,4-Dichlorobenzene	ug/L	ND	ND		30	
2,2-Dichloropropane	ug/L	ND	ND		30	
2-Butanone (MEK)	ug/L	ND	ND		30	
2-Chlorotoluene	ug/L	ND	ND		30	
4-Chlorotoluene	ug/L	ND	ND		30	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	ND		30	
Acetone	ug/L	ND	ND		30	
Allyl chloride	ug/L	ND	ND		30	
Benzene	ug/L	ND	ND		30	
Bromobenzene	ug/L	ND	ND		30	
Bromochloromethane	ug/L	ND	ND		30	
Bromodichloromethane	ug/L	ND	ND		30	
Bromoform	ug/L	ND	ND		30	
Bromomethane	ug/L	ND	ND		30	
Carbon tetrachloride	ug/L	ND	ND		30	
Chlorobenzene	ug/L	ND	ND		30	
Chloroethane	ug/L	ND	ND		30	
Chloroform	ug/L	ND	ND		30	
Chloromethane	ug/L	ND	ND		30	
cis-1,2-Dichloroethene	ug/L	ND	ND		30	
cis-1,3-Dichloropropene	ug/L	ND	ND		30	
Dibromochloromethane	ug/L	ND	ND		30	
Dibromomethane	ug/L	ND	ND		30	
Dichlorodifluoromethane	ug/L	ND	ND		30	
Dichlorofluoromethane	ug/L	ND	ND		30	
Diethyl ether (Ethyl ether)	ug/L	ND	ND		30	
Ethylbenzene	ug/L	ND	ND		30	
Hexachloro-1,3-butadiene	ug/L	ND	ND		30	

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QUALITY CONTROL DATA

Project: 2118-0001 Superior MGP
Pace Project No.: 10174972

SAMPLE DUPLICATE: 1096986

Parameter	Units	10174776002 Result	Dup Result	RPD	Max RPD	Qualifiers
Isopropylbenzene (Cumene)	ug/L	ND	ND		30	
m&p-Xylene	ug/L	ND	ND		30	
Methyl-tert-butyl ether	ug/L	ND	ND		30	
Methylene Chloride	ug/L	ND	ND		30	
n-Butylbenzene	ug/L	ND	ND		30	
n-Propylbenzene	ug/L	ND	ND		30	
Naphthalene	ug/L	ND	ND		30	
o-Xylene	ug/L	ND	ND		30	
p-Isopropyltoluene	ug/L	ND	ND		30	
sec-Butylbenzene	ug/L	ND	ND		30	
Styrene	ug/L	ND	ND		30	
tert-Butylbenzene	ug/L	ND	ND		30	
Tetrachloroethene	ug/L	ND	ND		30	
Tetrahydrofuran	ug/L	ND	ND		30	
Toluene	ug/L	ND	ND		30	
trans-1,2-Dichloroethene	ug/L	ND	ND		30	
trans-1,3-Dichloropropene	ug/L	ND	ND		30	
Trichloroethene	ug/L	ND	ND		30	
Trichlorofluoromethane	ug/L	ND	ND		30	
Vinyl chloride	ug/L	ND	ND		30	
Xylene (Total)	ug/L	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	106	105	.6		
4-Bromofluorobenzene (S)	%	94	94	.8		
Dibromofluoromethane (S)	%	102	102	.3		
Toluene-d8 (S)	%	95	95	.3		

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QUALITY CONTROL DATA

Project: 2118-0001 Superior MGP
Pace Project No.: 10174972

QC Batch: MSV/18596 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 465 W
Associated Lab Samples: 10174972001, 10174972002, 10174972004, 10174972008, 10174972009, 10174972010, 10174972011, 10174972012, 10174972014, 10174972017

METHOD BLANK: 1096982 Matrix: Water
Associated Lab Samples: 10174972001, 10174972002, 10174972004, 10174972008, 10174972009, 10174972010, 10174972011, 10174972012, 10174972014, 10174972017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	11/11/11 22:42	
1,1,1-Trichloroethane	ug/L	ND	1.0	11/11/11 22:42	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	11/11/11 22:42	
1,1,2-Trichloroethane	ug/L	ND	1.0	11/11/11 22:42	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	1.0	11/11/11 22:42	
1,1-Dichloroethane	ug/L	ND	1.0	11/11/11 22:42	
1,1-Dichloroethene	ug/L	ND	1.0	11/11/11 22:42	
1,1-Dichloropropene	ug/L	ND	1.0	11/11/11 22:42	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	11/11/11 22:42	
1,2,3-Trichloropropane	ug/L	ND	4.0	11/11/11 22:42	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	11/11/11 22:42	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	11/11/11 22:42	
1,2-Dibromo-3-chloropropane	ug/L	ND	4.0	11/11/11 22:42	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	11/11/11 22:42	
1,2-Dichlorobenzene	ug/L	ND	1.0	11/11/11 22:42	
1,2-Dichloroethane	ug/L	ND	1.0	11/11/11 22:42	
1,2-Dichloropropane	ug/L	ND	4.0	11/11/11 22:42	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	11/11/11 22:42	
1,3-Dichlorobenzene	ug/L	ND	1.0	11/11/11 22:42	
1,3-Dichloropropane	ug/L	ND	1.0	11/11/11 22:42	
1,4-Dichlorobenzene	ug/L	ND	1.0	11/11/11 22:42	
2,2-Dichloropropane	ug/L	ND	4.0	11/11/11 22:42	
2-Butanone (MEK)	ug/L	ND	4.0	11/11/11 22:42	
2-Chlorotoluene	ug/L	ND	1.0	11/11/11 22:42	
4-Chlorotoluene	ug/L	ND	1.0	11/11/11 22:42	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	4.0	11/11/11 22:42	
Acetone	ug/L	ND	25.0	11/11/11 22:42	
Allyl chloride	ug/L	ND	4.0	11/11/11 22:42	
Benzene	ug/L	ND	1.0	11/11/11 22:42	
Bromobenzene	ug/L	ND	1.0	11/11/11 22:42	
Bromochloromethane	ug/L	ND	1.0	11/11/11 22:42	
Bromodichloromethane	ug/L	ND	1.0	11/11/11 22:42	
Bromoform	ug/L	ND	4.0	11/11/11 22:42	
Bromomethane	ug/L	ND	4.0	11/11/11 22:42	
Carbon tetrachloride	ug/L	ND	1.0	11/11/11 22:42	
Chlorobenzene	ug/L	ND	1.0	11/11/11 22:42	
Chloroethane	ug/L	ND	1.0	11/11/11 22:42	
Chloroform	ug/L	ND	1.0	11/11/11 22:42	
Chloromethane	ug/L	ND	4.0	11/11/11 22:42	
cis-1,2-Dichloroethene	ug/L	ND	1.0	11/11/11 22:42	
cis-1,3-Dichloropropene	ug/L	ND	4.0	11/11/11 22:42	

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QUALITY CONTROL DATA

Project: 2118-0001 Superior MGP
Pace Project No.: 10174972

METHOD BLANK: 1096982 Matrix: Water

Associated Lab Samples: 10174972001, 10174972002, 10174972004, 10174972008, 10174972009, 10174972010, 10174972011, 10174972012, 10174972014, 10174972017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromochloromethane	ug/L	ND	1.0	11/11/11 22:42	
Dibromomethane	ug/L	ND	4.0	11/11/11 22:42	
Dichlorodifluoromethane	ug/L	ND	1.0	11/11/11 22:42	
Dichlorofluoromethane	ug/L	ND	1.0	11/11/11 22:42	
Diethyl ether (Ethyl ether)	ug/L	ND	4.0	11/11/11 22:42	
Ethylbenzene	ug/L	ND	1.0	11/11/11 22:42	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	11/11/11 22:42	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	11/11/11 22:42	
m&p-Xylene	ug/L	ND	2.0	11/11/11 22:42	
Methyl-tert-butyl ether	ug/L	ND	1.0	11/11/11 22:42	
Methylene Chloride	ug/L	ND	4.0	11/11/11 22:42	
n-Butylbenzene	ug/L	ND	1.0	11/11/11 22:42	
n-Propylbenzene	ug/L	ND	1.0	11/11/11 22:42	
Naphthalene	ug/L	ND	4.0	11/11/11 22:42	
o-Xylene	ug/L	ND	1.0	11/11/11 22:42	
p-Isopropyltoluene	ug/L	ND	1.0	11/11/11 22:42	
sec-Butylbenzene	ug/L	ND	1.0	11/11/11 22:42	
Styrene	ug/L	ND	1.0	11/11/11 22:42	
tert-Butylbenzene	ug/L	ND	1.0	11/11/11 22:42	
Tetrachloroethene	ug/L	ND	1.0	11/11/11 22:42	
Tetrahydrofuran	ug/L	ND	10.0	11/11/11 22:42	
Toluene	ug/L	ND	1.0	11/11/11 22:42	
trans-1,2-Dichloroethene	ug/L	ND	4.0	11/11/11 22:42	
trans-1,3-Dichloropropene	ug/L	ND	4.0	11/11/11 22:42	
Trichloroethene	ug/L	ND	1.0	11/11/11 22:42	
Trichlorofluoromethane	ug/L	ND	1.0	11/11/11 22:42	
Vinyl chloride	ug/L	ND	0.40	11/11/11 22:42	
Xylene (Total)	ug/L	ND	3.0	11/11/11 22:42	
1,2-Dichloroethane-d4 (S)	%	100	75-125	11/11/11 22:42	
4-Bromofluorobenzene (S)	%	94	75-125	11/11/11 22:42	
Dibromofluoromethane (S)	%	99	75-125	11/11/11 22:42	
Toluene-d8 (S)	%	95	75-125	11/11/11 22:42	

LABORATORY CONTROL SAMPLE: 1096983

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	49.9	100	75-125	
1,1,1-Trichloroethane	ug/L	50	46.4	93	75-125	
1,1,2,2-Tetrachloroethane	ug/L	50	42.6	85	75-125	
1,1,2-Trichloroethane	ug/L	50	46.1	92	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	50	50.0	100	75-126	
1,1-Dichloroethane	ug/L	50	43.4	87	75-125	
1,1-Dichloroethene	ug/L	50	50.7	101	75-125	
1,1-Dichloropropene	ug/L	50	43.5	87	75-125	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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QUALITY CONTROL DATA

Project: 2118-0001 Superior MGP
Pace Project No.: 10174972

LABORATORY CONTROL SAMPLE: 1096983

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,3-Trichlorobenzene	ug/L	50	47.7	95	68-128	
1,2,3-Trichloropropane	ug/L	50	42.2	84	75-125	
1,2,4-Trichlorobenzene	ug/L	50	45.6	91	75-125	
1,2,4-Trimethylbenzene	ug/L	50	43.0	86	75-125	
1,2-Dibromo-3-chloropropane	ug/L	50	44.0	88	68-125	
1,2-Dibromoethane (EDB)	ug/L	50	47.6	95	75-125	
1,2-Dichlorobenzene	ug/L	50	46.0	92	75-125	
1,2-Dichloroethane	ug/L	50	48.5	97	71-125	
1,2-Dichloropropane	ug/L	50	44.3	89	75-125	
1,3,5-Trimethylbenzene	ug/L	50	43.1	86	75-125	
1,3-Dichlorobenzene	ug/L	50	44.7	89	75-125	
1,3-Dichloropropane	ug/L	50	45.3	91	75-125	
1,4-Dichlorobenzene	ug/L	50	45.2	90	75-125	
2,2-Dichloropropane	ug/L	50	36.0	72	69-132	
2-Butanone (MEK)	ug/L	50	37.3	75	56-137	
2-Chlorotoluene	ug/L	50	42.7	85	75-125	
4-Chlorotoluene	ug/L	50	42.9	86	75-125	
4-Methyl-2-pentanone (MIBK)	ug/L	50	43.2	86	67-125	
Acetone	ug/L	125	78.2	63	41-130	
Allyl chloride	ug/L	50	43.3	87	59-130	
Benzene	ug/L	50	43.7	87	75-125	
Bromobenzene	ug/L	50	45.3	91	75-125	
Bromochloromethane	ug/L	50	50.2	100	75-125	
Bromodichloromethane	ug/L	50	50.0	100	75-125	
Bromoform	ug/L	50	47.6	95	75-125	
Bromomethane	ug/L	50	69.2	138	45-138	
Carbon tetrachloride	ug/L	50	49.3	99	75-125	
Chlorobenzene	ug/L	50	45.7	91	75-125	
Chloroethane	ug/L	50	52.2	104	72-125	
Chloroform	ug/L	50	45.6	91	75-125	
Chloromethane	ug/L	50	42.5	85	65-125	
cis-1,2-Dichloroethene	ug/L	50	45.4	91	75-125	
cis-1,3-Dichloropropene	ug/L	50	44.9	90	75-125	
Dibromochloromethane	ug/L	50	54.4	109	75-125	
Dibromomethane	ug/L	50	49.0	98	75-125	
Dichlorodifluoromethane	ug/L	50	39.4	79	55-143	
Dichlorofluoromethane	ug/L	50	51.0	102	75-125	
Diethyl ether (Ethyl ether)	ug/L	50	54.5	109	75-125	
Ethylbenzene	ug/L	50	42.5	85	75-125	
Hexachloro-1,3-butadiene	ug/L	25	20.5	82	69-132	
Isopropylbenzene (Cumene)	ug/L	50	42.3	85	75-125	
m&p-Xylene	ug/L	100	86.8	87	75-125	
Methyl-tert-butyl ether	ug/L	50	43.5	87	75-125	
Methylene Chloride	ug/L	50	45.1	90	75-125	
n-Butylbenzene	ug/L	50	41.9	84	75-125	
n-Propylbenzene	ug/L	50	42.0	84	75-125	
Naphthalene	ug/L	50	44.4	89	74-129	
o-Xylene	ug/L	50	43.8	88	75-125	

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QUALITY CONTROL DATA

Project: 2118-0001 Superior MGP
Pace Project No.: 10174972

LABORATORY CONTROL SAMPLE: 1096983

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
p-Isopropyltoluene	ug/L	50	43.4	87	75-125	
sec-Butylbenzene	ug/L	50	41.3	83	75-125	
Styrene	ug/L	50	43.8	88	75-125	
tert-Butylbenzene	ug/L	50	43.5	87	75-125	
Tetrachloroethene	ug/L	50	45.3	91	75-125	
Tetrahydrofuran	ug/L	500	445	89	64-128	
Toluene	ug/L	50	42.9	86	75-125	
trans-1,2-Dichloroethene	ug/L	50	44.5	89	75-125	
trans-1,3-Dichloropropene	ug/L	50	44.7	89	75-125	
Trichloroethene	ug/L	50	47.3	95	75-125	
Trichlorofluoromethane	ug/L	50	49.6	99	75-125	
Vinyl chloride	ug/L	50	44.4	89	74-125	
Xylene (Total)	ug/L	150	131	87	75-125	
1,2-Dichloroethane-d4 (S)	%			101	75-125	
4-Bromofluorobenzene (S)	%			95	75-125	
Dibromofluoromethane (S)	%			103	75-125	
Toluene-d8 (S)	%			96	75-125	

MATRIX SPIKE SAMPLE: 1096984

Parameter	Units	10175257020 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	50	53.7	107	75-125	
1,1,1-Trichloroethane	ug/L	ND	50	52.7	105	75-128	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	45.6	91	75-125	
1,1,2-Trichloroethane	ug/L	ND	50	48.0	96	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	50	72.5	145	75-150	
1,1-Dichloroethane	ug/L	ND	50	47.7	95	75-125	
1,1-Dichloroethene	ug/L	ND	50	59.5	119	75-134	
1,1-Dichloropropene	ug/L	ND	50	50.2	100	75-131	
1,2,3-Trichlorobenzene	ug/L	ND	50	50.8	102	67-145	
1,2,3-Trichloropropane	ug/L	ND	50	43.8	88	75-125	
1,2,4-Trichlorobenzene	ug/L	ND	50	48.4	97	74-138	
1,2,4-Trimethylbenzene	ug/L	ND	50	46.6	93	75-126	
1,2-Dibromo-3-chloropropane	ug/L	ND	50	46.8	94	68-129	
1,2-Dibromoethane (EDB)	ug/L	ND	50	49.8	100	75-125	
1,2-Dichlorobenzene	ug/L	ND	50	49.2	98	75-125	
1,2-Dichloroethane	ug/L	ND	50	51.1	102	69-129	
1,2-Dichloropropane	ug/L	ND	50	47.8	96	75-125	
1,3,5-Trimethylbenzene	ug/L	ND	50	46.9	94	75-125	
1,3-Dichlorobenzene	ug/L	ND	50	48.2	96	75-125	
1,3-Dichloropropane	ug/L	ND	50	47.5	95	75-125	
1,4-Dichlorobenzene	ug/L	ND	50	48.6	97	75-125	
2,2-Dichloropropane	ug/L	ND	50	41.2	82	69-141	
2-Butanone (MEK)	ug/L	ND	50	37.7	75	42-137	
2-Chlorotoluene	ug/L	ND	50	46.8	94	68-147	
4-Chlorotoluene	ug/L	ND	50	47.0	94	75-130	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	50	45.0	90	57-126	

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QUALITY CONTROL DATA

Project: 2118-0001 Superior MGP
Pace Project No.: 10174972

MATRIX SPIKE SAMPLE: 1096984

Parameter	Units	10175257020 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Acetone	ug/L	ND	125	75.6	60	34-130	
Allyl chloride	ug/L	ND	50	49.2	98	53-140	
Benzene	ug/L	ND	50	47.5	95	73-136	
Bromobenzene	ug/L	ND	50	48.7	97	75-125	
Bromochloromethane	ug/L	ND	50	52.8	106	75-125	
Bromodichloromethane	ug/L	ND	50	53.2	106	75-125	
Bromoform	ug/L	ND	50	50.1	100	75-125	
Bromomethane	ug/L	ND	50	70.8	142	41-150	
Carbon tetrachloride	ug/L	ND	50	58.5	117	75-135	
Chlorobenzene	ug/L	ND	50	49.3	99	75-125	
Chloroethane	ug/L	ND	50	61.0	122	71-139	
Chloroform	ug/L	ND	50	48.8	98	75-125	
Chloromethane	ug/L	ND	50	47.2	94	65-144	
cis-1,2-Dichloroethene	ug/L	ND	50	49.7	99	75-125	
cis-1,3-Dichloropropene	ug/L	ND	50	47.2	94	75-125	
Dibromochloromethane	ug/L	ND	50	58.2	116	75-125	
Dibromomethane	ug/L	ND	50	50.7	101	75-125	
Dichlorodifluoromethane	ug/L	ND	50	58.9	118	55-150	
Dichlorofluoromethane	ug/L	ND	50	56.9	114	75-129	
Diethyl ether (Ethyl ether)	ug/L	ND	50	56.6	113	75-125	
Ethylbenzene	ug/L	ND	50	46.7	93	75-137	
Hexachloro-1,3-butadiene	ug/L	ND	25	21.9	88	69-150	
Isopropylbenzene (Cumene)	ug/L	ND	50	47.3	95	75-125	
m&p-Xylene	ug/L	ND	100	94.1	94	71-133	
Methyl-tert-butyl ether	ug/L	ND	50	45.3	91	75-125	
Methylene Chloride	ug/L	ND	50	47.9	96	75-125	
n-Butylbenzene	ug/L	ND	50	46.8	94	75-141	
n-Propylbenzene	ug/L	ND	50	46.3	93	75-132	
Naphthalene	ug/L	ND	50	46.6	93	74-138	
o-Xylene	ug/L	ND	50	47.4	95	75-128	
p-Isopropyltoluene	ug/L	ND	50	47.9	96	75-133	
sec-Butylbenzene	ug/L	ND	50	46.2	92	75-136	
Styrene	ug/L	ND	50	46.2	92	72-125	
tert-Butylbenzene	ug/L	ND	50	48.4	97	75-132	
Tetrachloroethene	ug/L	ND	50	50.9	102	75-126	
Tetrahydrofuran	ug/L	ND	500	463	93	64-128	
Toluene	ug/L	ND	50	47.4	95	75-125	
trans-1,2-Dichloroethene	ug/L	ND	50	49.0	98	75-127	
trans-1,3-Dichloropropene	ug/L	ND	50	47.3	95	75-125	
Trichloroethene	ug/L	ND	50	51.2	102	75-125	
Trichlorofluoromethane	ug/L	ND	50	63.6	127	75-150	
Vinyl chloride	ug/L	ND	50	51.5	103	74-142	
Xylene (Total)	ug/L	ND	150	142	94	73-132	
1,2-Dichloroethane-d4 (S)	%				101	75-125	
4-Bromofluorobenzene (S)	%				96	75-125	
Dibromofluoromethane (S)	%				103	75-125	
Toluene-d8 (S)	%				96	75-125	

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QUALITY CONTROL DATA

Project: 2118-0001 Superior MGP
Pace Project No.: 10174972

SAMPLE DUPLICATE: 1096985

Parameter	Units	10175257021 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	ND		30	
1,1,1-Trichloroethane	ug/L	ND	ND		30	
1,1,2,2-Tetrachloroethane	ug/L	ND	ND		30	
1,1,2-Trichloroethane	ug/L	ND	ND		30	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	ND		30	
1,1-Dichloroethane	ug/L	ND	ND		30	
1,1-Dichloroethene	ug/L	ND	ND		30	
1,1-Dichloropropene	ug/L	ND	ND		30	
1,2,3-Trichlorobenzene	ug/L	ND	ND		30	
1,2,3-Trichloropropane	ug/L	ND	ND		30	
1,2,4-Trichlorobenzene	ug/L	ND	ND		30	
1,2,4-Trimethylbenzene	ug/L	ND	ND		30	
1,2-Dibromo-3-chloropropane	ug/L	ND	ND		30	
1,2-Dibromoethane (EDB)	ug/L	ND	ND		30	
1,2-Dichlorobenzene	ug/L	ND	ND		30	
1,2-Dichloroethane	ug/L	ND	ND		30	
1,2-Dichloropropane	ug/L	ND	ND		30	
1,3,5-Trimethylbenzene	ug/L	ND	ND		30	
1,3-Dichlorobenzene	ug/L	ND	ND		30	
1,3-Dichloropropane	ug/L	ND	ND		30	
1,4-Dichlorobenzene	ug/L	ND	ND		30	
2,2-Dichloropropane	ug/L	ND	ND		30	
2-Butanone (MEK)	ug/L	ND	ND		30	
2-Chlorotoluene	ug/L	ND	ND		30	
4-Chlorotoluene	ug/L	ND	ND		30	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	ND		30	
Acetone	ug/L	ND	ND		30	
Allyl chloride	ug/L	ND	ND		30	
Benzene	ug/L	ND	ND		30	
Bromobenzene	ug/L	ND	ND		30	
Bromochloromethane	ug/L	ND	ND		30	
Bromodichloromethane	ug/L	ND	ND		30	
Bromoform	ug/L	ND	ND		30	
Bromomethane	ug/L	ND	ND		30	
Carbon tetrachloride	ug/L	ND	ND		30	
Chlorobenzene	ug/L	ND	ND		30	
Chloroethane	ug/L	ND	ND		30	
Chloroform	ug/L	ND	ND		30	
Chloromethane	ug/L	ND	ND		30	
cis-1,2-Dichloroethene	ug/L	ND	ND		30	
cis-1,3-Dichloropropene	ug/L	ND	ND		30	
Dibromochloromethane	ug/L	ND	ND		30	
Dibromomethane	ug/L	ND	ND		30	
Dichlorodifluoromethane	ug/L	ND	ND		30	
Dichlorofluoromethane	ug/L	ND	ND		30	
Diethyl ether (Ethyl ether)	ug/L	ND	ND		30	
Ethylbenzene	ug/L	ND	ND		30	
Hexachloro-1,3-butadiene	ug/L	ND	ND		30	

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QUALITY CONTROL DATA

Project: 2118-0001 Superior MGP
Pace Project No.: 10174972

SAMPLE DUPLICATE: 1096985

Parameter	Units	10175257021 Result	Dup Result	RPD	Max RPD	Qualifiers
Isopropylbenzene (Cumene)	ug/L	ND	ND		30	
m&p-Xylene	ug/L	ND	ND		30	
Methyl-tert-butyl ether	ug/L	ND	ND		30	
Methylene Chloride	ug/L	ND	ND		30	
n-Butylbenzene	ug/L	ND	ND		30	
n-Propylbenzene	ug/L	ND	ND		30	
Naphthalene	ug/L	ND	ND		30	
o-Xylene	ug/L	ND	ND		30	
p-Isopropyltoluene	ug/L	ND	ND		30	
sec-Butylbenzene	ug/L	ND	ND		30	
Styrene	ug/L	ND	ND		30	
tert-Butylbenzene	ug/L	ND	ND		30	
Tetrachloroethene	ug/L	ND	ND		30	
Tetrahydrofuran	ug/L	ND	ND		30	
Toluene	ug/L	ND	ND		30	
trans-1,2-Dichloroethene	ug/L	ND	ND		30	
trans-1,3-Dichloropropene	ug/L	ND	ND		30	
Trichloroethene	ug/L	ND	ND		30	
Trichlorofluoromethane	ug/L	ND	ND		30	
Vinyl chloride	ug/L	ND	ND		30	
Xylene (Total)	ug/L	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	102	102	.2		
4-Bromofluorobenzene (S)	%	94	94	.06		
Dibromofluoromethane (S)	%	100	99	.4		
Toluene-d8 (S)	%	96	96	.5		

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QUALITY CONTROL DATA

Project: 2118-0001 Superior MGP
Pace Project No.: 10174972

QC Batch: MSV/18619 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 465 W
Associated Lab Samples: 10174972003, 10174972005, 10174972013, 10174972015

METHOD BLANK: 1098337 Matrix: Water
Associated Lab Samples: 10174972003, 10174972005, 10174972013, 10174972015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	11/14/11 12:12	
1,1,1-Trichloroethane	ug/L	ND	1.0	11/14/11 12:12	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	11/14/11 12:12	
1,1,2-Trichloroethane	ug/L	ND	1.0	11/14/11 12:12	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	1.0	11/14/11 12:12	
1,1-Dichloroethane	ug/L	ND	1.0	11/14/11 12:12	
1,1-Dichloroethene	ug/L	ND	1.0	11/14/11 12:12	
1,1-Dichloropropene	ug/L	ND	1.0	11/14/11 12:12	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	11/14/11 12:12	
1,2,3-Trichloropropane	ug/L	ND	4.0	11/14/11 12:12	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	11/14/11 12:12	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	11/14/11 12:12	
1,2-Dibromo-3-chloropropane	ug/L	ND	4.0	11/14/11 12:12	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	11/14/11 12:12	
1,2-Dichlorobenzene	ug/L	ND	1.0	11/14/11 12:12	
1,2-Dichloroethane	ug/L	ND	1.0	11/14/11 12:12	
1,2-Dichloropropane	ug/L	ND	4.0	11/14/11 12:12	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	11/14/11 12:12	
1,3-Dichlorobenzene	ug/L	ND	1.0	11/14/11 12:12	
1,3-Dichloropropane	ug/L	ND	1.0	11/14/11 12:12	
1,4-Dichlorobenzene	ug/L	ND	1.0	11/14/11 12:12	
2,2-Dichloropropane	ug/L	ND	4.0	11/14/11 12:12	
2-Butanone (MEK)	ug/L	ND	4.0	11/14/11 12:12	
2-Chlorotoluene	ug/L	ND	1.0	11/14/11 12:12	
4-Chlorotoluene	ug/L	ND	1.0	11/14/11 12:12	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	4.0	11/14/11 12:12	
Acetone	ug/L	ND	25.0	11/14/11 12:12	
Allyl chloride	ug/L	ND	4.0	11/14/11 12:12	
Benzene	ug/L	ND	1.0	11/14/11 12:12	
Bromobenzene	ug/L	ND	1.0	11/14/11 12:12	
Bromochloromethane	ug/L	ND	1.0	11/14/11 12:12	
Bromodichloromethane	ug/L	ND	1.0	11/14/11 12:12	
Bromoform	ug/L	ND	4.0	11/14/11 12:12	
Bromomethane	ug/L	ND	4.0	11/14/11 12:12	
Carbon tetrachloride	ug/L	ND	1.0	11/14/11 12:12	
Chlorobenzene	ug/L	ND	1.0	11/14/11 12:12	
Chloroethane	ug/L	ND	1.0	11/14/11 12:12	
Chloroform	ug/L	ND	1.0	11/14/11 12:12	
Chloromethane	ug/L	ND	4.0	11/14/11 12:12	
cis-1,2-Dichloroethene	ug/L	ND	1.0	11/14/11 12:12	
cis-1,3-Dichloropropene	ug/L	ND	4.0	11/14/11 12:12	
Dibromochloromethane	ug/L	ND	1.0	11/14/11 12:12	
Dibromomethane	ug/L	ND	4.0	11/14/11 12:12	

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QUALITY CONTROL DATA

Project: 2118-0001 Superior MGP
Pace Project No.: 10174972

METHOD BLANK: 1098337 Matrix: Water

Associated Lab Samples: 10174972003, 10174972005, 10174972013, 10174972015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dichlorodifluoromethane	ug/L	ND	1.0	11/14/11 12:12	
Dichlorofluoromethane	ug/L	ND	1.0	11/14/11 12:12	
Diethyl ether (Ethyl ether)	ug/L	ND	4.0	11/14/11 12:12	
Ethylbenzene	ug/L	ND	1.0	11/14/11 12:12	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	11/14/11 12:12	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	11/14/11 12:12	
m&p-Xylene	ug/L	ND	2.0	11/14/11 12:12	
Methyl-tert-butyl ether	ug/L	ND	1.0	11/14/11 12:12	
Methylene Chloride	ug/L	ND	4.0	11/14/11 12:12	
n-Butylbenzene	ug/L	ND	1.0	11/14/11 12:12	
n-Propylbenzene	ug/L	ND	1.0	11/14/11 12:12	
Naphthalene	ug/L	ND	4.0	11/14/11 12:12	
o-Xylene	ug/L	ND	1.0	11/14/11 12:12	
p-Isopropyltoluene	ug/L	ND	1.0	11/14/11 12:12	
sec-Butylbenzene	ug/L	ND	1.0	11/14/11 12:12	
Styrene	ug/L	ND	1.0	11/14/11 12:12	
tert-Butylbenzene	ug/L	ND	1.0	11/14/11 12:12	
Tetrachloroethene	ug/L	ND	1.0	11/14/11 12:12	
Tetrahydrofuran	ug/L	ND	10.0	11/14/11 12:12	
Toluene	ug/L	ND	1.0	11/14/11 12:12	
trans-1,2-Dichloroethene	ug/L	ND	4.0	11/14/11 12:12	
trans-1,3-Dichloropropene	ug/L	ND	4.0	11/14/11 12:12	
Trichloroethene	ug/L	ND	1.0	11/14/11 12:12	
Trichlorofluoromethane	ug/L	ND	1.0	11/14/11 12:12	
Vinyl chloride	ug/L	ND	0.40	11/14/11 12:12	
Xylene (Total)	ug/L	ND	3.0	11/14/11 12:12	
1,2-Dichloroethane-d4 (S)	%	104	75-125	11/14/11 12:12	
4-Bromofluorobenzene (S)	%	102	75-125	11/14/11 12:12	
Dibromofluoromethane (S)	%	105	75-125	11/14/11 12:12	
Toluene-d8 (S)	%	95	75-125	11/14/11 12:12	

LABORATORY CONTROL SAMPLE: 1098338

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	46.5	93	75-125	
1,1,1-Trichloroethane	ug/L	50	47.9	96	75-125	
1,1,2,2-Tetrachloroethane	ug/L	50	44.9	90	75-125	
1,1,2-Trichloroethane	ug/L	50	44.8	90	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	50	42.3	85	75-126	
1,1-Dichloroethane	ug/L	50	46.6	93	75-125	
1,1-Dichloroethene	ug/L	50	44.2	88	75-125	
1,1-Dichloropropene	ug/L	50	46.3	93	75-125	
1,2,3-Trichlorobenzene	ug/L	50	46.3	93	68-128	
1,2,3-Trichloropropane	ug/L	50	42.2	84	75-125	
1,2,4-Trichlorobenzene	ug/L	50	46.8	94	75-125	

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QUALITY CONTROL DATA

Project: 2118-0001 Superior MGP
Pace Project No.: 10174972

LABORATORY CONTROL SAMPLE: 1098338

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trimethylbenzene	ug/L	50	45.4	91	75-125	
1,2-Dibromo-3-chloropropane	ug/L	50	46.0	92	68-125	
1,2-Dibromoethane (EDB)	ug/L	50	46.3	93	75-125	
1,2-Dichlorobenzene	ug/L	50	45.0	90	75-125	
1,2-Dichloroethane	ug/L	50	49.1	98	71-125	
1,2-Dichloropropane	ug/L	50	45.3	91	75-125	
1,3,5-Trimethylbenzene	ug/L	50	45.4	91	75-125	
1,3-Dichlorobenzene	ug/L	50	45.3	91	75-125	
1,3-Dichloropropane	ug/L	50	43.8	88	75-125	
1,4-Dichlorobenzene	ug/L	50	44.7	89	75-125	
2,2-Dichloropropane	ug/L	50	47.9	96	69-132	
2-Butanone (MEK)	ug/L	50	45.1	90	56-137	
2-Chlorotoluene	ug/L	50	43.9	88	75-125	
4-Chlorotoluene	ug/L	50	44.7	89	75-125	
4-Methyl-2-pentanone (MIBK)	ug/L	50	43.1	86	67-125	
Acetone	ug/L	125	109	87	41-130	
Allyl chloride	ug/L	50	45.8	92	59-130	
Benzene	ug/L	50	46.9	94	75-125	
Bromobenzene	ug/L	50	45.7	91	75-125	
Bromochloromethane	ug/L	50	49.5	99	75-125	
Bromodichloromethane	ug/L	50	47.2	94	75-125	
Bromoform	ug/L	50	47.2	94	75-125	
Bromomethane	ug/L	50	37.3	75	45-138	
Carbon tetrachloride	ug/L	50	46.1	92	75-125	
Chlorobenzene	ug/L	50	44.6	89	75-125	
Chloroethane	ug/L	50	45.0	90	72-125	
Chloroform	ug/L	50	47.5	95	75-125	
Chloromethane	ug/L	50	36.9	74	65-125	
cis-1,2-Dichloroethene	ug/L	50	49.0	98	75-125	
cis-1,3-Dichloropropene	ug/L	50	47.2	94	75-125	
Dibromochloromethane	ug/L	50	45.8	92	75-125	
Dibromomethane	ug/L	50	48.8	98	75-125	
Dichlorodifluoromethane	ug/L	50	39.0	78	55-143	
Dichlorofluoromethane	ug/L	50	43.8	88	75-125	
Diethyl ether (Ethyl ether)	ug/L	50	44.6	89	75-125	
Ethylbenzene	ug/L	50	44.6	89	75-125	
Hexachloro-1,3-butadiene	ug/L	25	24.1	96	69-132	
Isopropylbenzene (Cumene)	ug/L	50	45.6	91	75-125	
m&p-Xylene	ug/L	100	89.8	90	75-125	
Methyl-tert-butyl ether	ug/L	50	49.0	98	75-125	
Methylene Chloride	ug/L	50	47.6	95	75-125	
n-Butylbenzene	ug/L	50	45.1	90	75-125	
n-Propylbenzene	ug/L	50	44.8	90	75-125	
Naphthalene	ug/L	50	47.5	95	74-129	
o-Xylene	ug/L	50	44.4	89	75-125	
p-Isopropyltoluene	ug/L	50	46.0	92	75-125	
sec-Butylbenzene	ug/L	50	44.9	90	75-125	
Styrene	ug/L	50	46.1	92	75-125	

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QUALITY CONTROL DATA

Project: 2118-0001 Superior MGP
Pace Project No.: 10174972

LABORATORY CONTROL SAMPLE: 1098338

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
tert-Butylbenzene	ug/L	50	45.4	91	75-125	
Tetrachloroethene	ug/L	50	44.2	88	75-125	
Tetrahydrofuran	ug/L	500	522	104	64-128	
Toluene	ug/L	50	43.2	86	75-125	
trans-1,2-Dichloroethene	ug/L	50	47.4	95	75-125	
trans-1,3-Dichloropropene	ug/L	50	44.8	90	75-125	
Trichloroethene	ug/L	50	46.9	94	75-125	
Trichlorofluoromethane	ug/L	50	41.0	82	75-125	
Vinyl chloride	ug/L	50	44.0	88	74-125	
Xylene (Total)	ug/L	150	134	89	75-125	
1,2-Dichloroethane-d4 (S)	%			98	75-125	
4-Bromofluorobenzene (S)	%			100	75-125	
Dibromofluoromethane (S)	%			103	75-125	
Toluene-d8 (S)	%			95	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1100811 1100812

Parameter	Units	10174972003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	ND	1000	1000	985	980	99	98	75-125	.6	30	
1,1,1-Trichloroethane	ug/L	ND	1000	1000	1090	1050	109	105	75-128	4	30	
1,1,2,2-Tetrachloroethane	ug/L	ND	1000	1000	945	935	95	94	75-125	1	30	
1,1,2-Trichloroethane	ug/L	ND	1000	1000	942	946	94	95	75-125	.5	30	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	1000	1000	1120	1090	112	109	75-150	3	30	
1,1-Dichloroethane	ug/L	ND	1000	1000	1040	985	104	98	75-125	5	30	
1,1-Dichloroethene	ug/L	ND	1000	1000	1020	972	102	97	75-134	5	30	
1,1-Dichloropropene	ug/L	ND	1000	1000	1050	1010	105	101	75-131	5	30	
1,2,3-Trichlorobenzene	ug/L	ND	1000	1000	984	988	98	99	67-145	.5	30	
1,2,3-Trichloropropane	ug/L	ND	1000	1000	882	900	88	90	75-125	2	30	
1,2,4-Trichlorobenzene	ug/L	ND	1000	1000	1000	998	100	100	74-138	.5	30	
1,2,4-Trimethylbenzene	ug/L	67.2	1000	1000	1050	1020	98	96	75-126	2	30	
1,2-Dibromo-3-chloropropane	ug/L	ND	1000	1000	980	972	98	97	68-129	.8	30	
1,2-Dibromoethane (EDB)	ug/L	ND	1000	1000	971	976	97	98	75-125	.5	30	
1,2-Dichlorobenzene	ug/L	ND	1000	1000	959	949	96	95	75-125	1	30	
1,2-Dichloroethane	ug/L	ND	1000	1000	1040	1020	104	102	69-129	1	30	
1,2-Dichloropropane	ug/L	ND	1000	1000	971	951	97	95	75-125	2	30	
1,3,5-Trimethylbenzene	ug/L	ND	1000	1000	971	962	97	96	75-125	1	30	
1,3-Dichlorobenzene	ug/L	ND	1000	1000	974	959	97	96	75-125	2	30	
1,3-Dichloropropane	ug/L	ND	1000	1000	936	926	94	93	75-125	1	30	
1,4-Dichlorobenzene	ug/L	ND	1000	1000	948	936	95	94	75-125	1	30	
2,2-Dichloropropane	ug/L	ND	1000	1000	1100	1060	110	106	69-141	4	30	
2-Butanone (MEK)	ug/L	ND	1000	1000	948	903	95	90	42-137	5	30	
2-Chlorotoluene	ug/L	ND	1000	1000	952	926	95	93	68-147	3	30	
4-Chlorotoluene	ug/L	ND	1000	1000	962	946	96	95	75-130	2	30	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	1000	1000	897	892	90	89	57-126	.6	30	
Acetone	ug/L	ND	2500	2500	2310	2100	84	75	34-130	10	30	
Allyl chloride	ug/L	ND	1000	1000	1000	951	100	95	53-140	5	30	

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QUALITY CONTROL DATA

Project: 2118-0001 Superior MGP
Pace Project No.: 10174972

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1100811 1100812

Parameter	Units	10174972003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	2160	1000	1000	3230	3160	108	100	73-136	2	30	
Bromobenzene	ug/L	ND	1000	1000	967	958	97	96	75-125	.9	30	
Bromochloromethane	ug/L	ND	1000	1000	1040	1020	104	102	75-125	2	30	
Bromodichloromethane	ug/L	ND	1000	1000	1020	1010	102	101	75-125	.7	30	
Bromoform	ug/L	ND	1000	1000	982	991	98	99	75-125	.9	30	
Bromomethane	ug/L	ND	1000	1000	617	749	62	75	41-150	19	30	
Carbon tetrachloride	ug/L	ND	1000	1000	1080	1030	108	103	75-135	4	30	
Chlorobenzene	ug/L	ND	1000	1000	967	957	97	96	75-125	1	30	
Chloroethane	ug/L	ND	1000	1000	1000	996	100	100	71-139	.4	30	
Chloroform	ug/L	ND	1000	1000	1030	1020	103	102	75-125	2	30	
Chloromethane	ug/L	ND	1000	1000	823	782	82	78	65-144	5	30	
cis-1,2-Dichloroethene	ug/L	ND	1000	1000	1080	1040	108	104	75-125	4	30	
cis-1,3-Dichloropropene	ug/L	ND	1000	1000	996	981	100	98	75-125	1	30	
Dibromochloromethane	ug/L	ND	1000	1000	964	973	96	97	75-125	.9	30	
Dibromomethane	ug/L	ND	1000	1000	1010	1020	101	102	75-125	.9	30	
Dichlorodifluoromethane	ug/L	ND	1000	1000	1030	999	103	100	55-150	3	30	
Dichlorofluoromethane	ug/L	ND	1000	1000	980	934	98	93	75-129	5	30	
Diethyl ether (Ethyl ether)	ug/L	ND	1000	1000	974	963	97	96	75-125	1	30	
Ethylbenzene	ug/L	108	1000	1000	1090	1050	98	95	75-137	3	30	
Hexachloro-1,3-butadiene	ug/L	ND	500	500	512	514	102	103	69-150	.3	30	
Isopropylbenzene (Cumene)	ug/L	ND	1000	1000	998	981	100	98	75-125	2	30	
m&p-Xylene	ug/L	ND	2000	2000	1980	1900	99	95	71-133	4	30	
Methyl-tert-butyl ether	ug/L	ND	1000	1000	1040	1020	104	102	75-125	2	30	
Methylene Chloride	ug/L	ND	1000	1000	1040	1000	103	100	75-125	3	30	
n-Butylbenzene	ug/L	ND	1000	1000	982	962	98	96	75-141	2	30	
n-Propylbenzene	ug/L	ND	1000	1000	983	966	98	96	75-132	2	30	
Naphthalene	ug/L	ND	1000	1000	1020	1020	102	102	74-138	.3	30	
o-Xylene	ug/L	ND	1000	1000	971	969	97	97	75-128	.2	30	
p-Isopropyltoluene	ug/L	ND	1000	1000	1000	978	100	98	75-133	3	30	
sec-Butylbenzene	ug/L	ND	1000	1000	980	959	98	96	75-136	2	30	
Styrene	ug/L	ND	1000	1000	986	979	99	98	72-125	.8	30	
tert-Butylbenzene	ug/L	ND	1000	1000	985	974	98	97	75-132	1	30	
Tetrachloroethene	ug/L	ND	1000	1000	988	965	99	96	75-126	2	30	
Tetrahydrofuran	ug/L	ND	10000	10000	11000	10600	110	106	64-128	4	30	
Toluene	ug/L	ND	1000	1000	944	932	94	93	75-125	1	30	
trans-1,2-Dichloroethene	ug/L	ND	1000	1000	1070	1020	107	102	75-127	4	30	
trans-1,3-Dichloropropene	ug/L	ND	1000	1000	946	943	95	94	75-125	.3	30	
Trichloroethene	ug/L	ND	1000	1000	1040	1010	104	101	75-125	2	30	
Trichlorofluoromethane	ug/L	ND	1000	1000	1020	973	102	97	75-150	4	30	
Vinyl chloride	ug/L	ND	1000	1000	992	973	99	97	74-142	2	30	
Xylene (Total)	ug/L	ND	3000	3000	2950	2870	98	95	73-132	3	30	
1,2-Dichloroethane-d4 (S)	%						99	97	75-125			
4-Bromofluorobenzene (S)	%						100	100	75-125			
Dibromofluoromethane (S)	%						106	104	75-125			
Toluene-d8 (S)	%						96	96	75-125			

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QUALITY CONTROL DATA

Project: 2118-0001 Superior MGP
Pace Project No.: 10174972

QC Batch: MSV/18655 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 465 W
Associated Lab Samples: 10174972016

METHOD BLANK: 1100576 Matrix: Water
Associated Lab Samples: 10174972016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	11/17/11 12:46	
1,1,1-Trichloroethane	ug/L	ND	1.0	11/17/11 12:46	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	11/17/11 12:46	
1,1,2-Trichloroethane	ug/L	ND	1.0	11/17/11 12:46	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	1.0	11/17/11 12:46	
1,1-Dichloroethane	ug/L	ND	1.0	11/17/11 12:46	
1,1-Dichloroethene	ug/L	ND	1.0	11/17/11 12:46	
1,1-Dichloropropene	ug/L	ND	1.0	11/17/11 12:46	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	11/17/11 12:46	
1,2,3-Trichloropropane	ug/L	ND	4.0	11/17/11 12:46	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	11/17/11 12:46	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	11/17/11 12:46	
1,2-Dibromo-3-chloropropane	ug/L	ND	4.0	11/17/11 12:46	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	11/17/11 12:46	
1,2-Dichlorobenzene	ug/L	ND	1.0	11/17/11 12:46	
1,2-Dichloroethane	ug/L	ND	1.0	11/17/11 12:46	
1,2-Dichloropropane	ug/L	ND	4.0	11/17/11 12:46	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	11/17/11 12:46	
1,3-Dichlorobenzene	ug/L	ND	1.0	11/17/11 12:46	
1,3-Dichloropropane	ug/L	ND	1.0	11/17/11 12:46	
1,4-Dichlorobenzene	ug/L	ND	1.0	11/17/11 12:46	
2,2-Dichloropropane	ug/L	ND	4.0	11/17/11 12:46	
2-Butanone (MEK)	ug/L	ND	4.0	11/17/11 12:46	
2-Chlorotoluene	ug/L	ND	1.0	11/17/11 12:46	
4-Chlorotoluene	ug/L	ND	1.0	11/17/11 12:46	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	4.0	11/17/11 12:46	
Acetone	ug/L	ND	25.0	11/17/11 12:46	
Allyl chloride	ug/L	ND	4.0	11/17/11 12:46	
Benzene	ug/L	ND	1.0	11/17/11 12:46	
Bromobenzene	ug/L	ND	1.0	11/17/11 12:46	
Bromochloromethane	ug/L	ND	1.0	11/17/11 12:46	
Bromodichloromethane	ug/L	ND	1.0	11/17/11 12:46	
Bromoform	ug/L	ND	4.0	11/17/11 12:46	
Bromomethane	ug/L	ND	4.0	11/17/11 12:46	
Carbon tetrachloride	ug/L	ND	1.0	11/17/11 12:46	
Chlorobenzene	ug/L	ND	1.0	11/17/11 12:46	
Chloroethane	ug/L	ND	1.0	11/17/11 12:46	
Chloroform	ug/L	ND	1.0	11/17/11 12:46	
Chloromethane	ug/L	ND	4.0	11/17/11 12:46	
cis-1,2-Dichloroethene	ug/L	ND	1.0	11/17/11 12:46	
cis-1,3-Dichloropropene	ug/L	ND	4.0	11/17/11 12:46	
Dibromochloromethane	ug/L	ND	1.0	11/17/11 12:46	
Dibromomethane	ug/L	ND	4.0	11/17/11 12:46	

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QUALITY CONTROL DATA

Project: 2118-0001 Superior MGP
Pace Project No.: 10174972

METHOD BLANK: 1100576 Matrix: Water

Associated Lab Samples: 10174972016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dichlorodifluoromethane	ug/L	ND	1.0	11/17/11 12:46	
Dichlorofluoromethane	ug/L	ND	1.0	11/17/11 12:46	
Diethyl ether (Ethyl ether)	ug/L	ND	4.0	11/17/11 12:46	
Ethylbenzene	ug/L	ND	1.0	11/17/11 12:46	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	11/17/11 12:46	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	11/17/11 12:46	
m&p-Xylene	ug/L	ND	2.0	11/17/11 12:46	
Methyl-tert-butyl ether	ug/L	ND	1.0	11/17/11 12:46	
Methylene Chloride	ug/L	ND	4.0	11/17/11 12:46	
n-Butylbenzene	ug/L	ND	1.0	11/17/11 12:46	
n-Propylbenzene	ug/L	ND	1.0	11/17/11 12:46	
Naphthalene	ug/L	ND	4.0	11/17/11 12:46	
o-Xylene	ug/L	ND	1.0	11/17/11 12:46	
p-Isopropyltoluene	ug/L	ND	1.0	11/17/11 12:46	
sec-Butylbenzene	ug/L	ND	1.0	11/17/11 12:46	
Styrene	ug/L	ND	1.0	11/17/11 12:46	
tert-Butylbenzene	ug/L	ND	1.0	11/17/11 12:46	
Tetrachloroethene	ug/L	ND	1.0	11/17/11 12:46	
Tetrahydrofuran	ug/L	ND	10.0	11/17/11 12:46	
Toluene	ug/L	ND	1.0	11/17/11 12:46	
trans-1,2-Dichloroethene	ug/L	ND	4.0	11/17/11 12:46	
trans-1,3-Dichloropropene	ug/L	ND	4.0	11/17/11 12:46	
Trichloroethene	ug/L	ND	1.0	11/17/11 12:46	
Trichlorofluoromethane	ug/L	ND	1.0	11/17/11 12:46	
Vinyl chloride	ug/L	ND	0.40	11/17/11 12:46	
Xylene (Total)	ug/L	ND	3.0	11/17/11 12:46	
1,2-Dichloroethane-d4 (S)	%	114	75-125	11/17/11 12:46	
4-Bromofluorobenzene (S)	%	106	75-125	11/17/11 12:46	
Dibromofluoromethane (S)	%	103	75-125	11/17/11 12:46	
Toluene-d8 (S)	%	101	75-125	11/17/11 12:46	

LABORATORY CONTROL SAMPLE: 1100577

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	49.2	98	75-125	
1,1,1-Trichloroethane	ug/L	50	47.0	94	75-125	
1,1,2,2-Tetrachloroethane	ug/L	50	46.7	93	75-125	
1,1,2-Trichloroethane	ug/L	50	46.3	93	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	50	50.8	102	75-126	
1,1-Dichloroethane	ug/L	50	52.8	106	75-125	
1,1-Dichloroethene	ug/L	50	47.9	96	75-125	
1,1-Dichloropropene	ug/L	50	51.8	104	75-125	
1,2,3-Trichlorobenzene	ug/L	50	48.5	97	68-128	
1,2,3-Trichloropropane	ug/L	50	51.2	102	75-125	
1,2,4-Trichlorobenzene	ug/L	50	48.5	97	75-125	

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QUALITY CONTROL DATA

Project: 2118-0001 Superior MGP
Pace Project No.: 10174972

LABORATORY CONTROL SAMPLE: 1100577

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trimethylbenzene	ug/L	50	49.3	99	75-125	
1,2-Dibromo-3-chloropropane	ug/L	50	50.8	102	68-125	
1,2-Dibromoethane (EDB)	ug/L	50	48.0	96	75-125	
1,2-Dichlorobenzene	ug/L	50	47.1	94	75-125	
1,2-Dichloroethane	ug/L	50	53.0	106	71-125	
1,2-Dichloropropane	ug/L	50	50.2	100	75-125	
1,3,5-Trimethylbenzene	ug/L	50	49.7	99	75-125	
1,3-Dichlorobenzene	ug/L	50	47.8	96	75-125	
1,3-Dichloropropane	ug/L	50	49.4	99	75-125	
1,4-Dichlorobenzene	ug/L	50	47.7	95	75-125	
2,2-Dichloropropane	ug/L	50	53.0	106	69-132	
2-Butanone (MEK)	ug/L	50	49.6	99	56-137	
2-Chlorotoluene	ug/L	50	49.8	100	75-125	
4-Chlorotoluene	ug/L	50	49.9	100	75-125	
4-Methyl-2-pentanone (MIBK)	ug/L	50	51.1	102	67-125	
Acetone	ug/L	125	116	93	41-130	
Allyl chloride	ug/L	50	54.2	108	59-130	
Benzene	ug/L	50	50.0	100	75-125	
Bromobenzene	ug/L	50	47.7	95	75-125	
Bromochloromethane	ug/L	50	49.3	99	75-125	
Bromodichloromethane	ug/L	50	47.3	95	75-125	
Bromoform	ug/L	50	45.9	92	75-125	
Bromomethane	ug/L	50	40.0	80	45-138	
Carbon tetrachloride	ug/L	50	51.4	103	75-125	
Chlorobenzene	ug/L	50	48.4	97	75-125	
Chloroethane	ug/L	50	54.7	109	72-125	
Chloroform	ug/L	50	48.8	98	75-125	
Chloromethane	ug/L	50	52.9	106	65-125	
cis-1,2-Dichloroethene	ug/L	50	47.3	95	75-125	
cis-1,3-Dichloropropene	ug/L	50	49.2	98	75-125	
Dibromochloromethane	ug/L	50	46.8	94	75-125	
Dibromomethane	ug/L	50	46.2	92	75-125	
Dichlorodifluoromethane	ug/L	50	55.5	111	55-143	
Dichlorofluoromethane	ug/L	50	53.5	107	75-125	
Diethyl ether (Ethyl ether)	ug/L	50	49.5	99	75-125	
Ethylbenzene	ug/L	50	49.7	99	75-125	
Hexachloro-1,3-butadiene	ug/L	25	24.6	99	69-132	
Isopropylbenzene (Cumene)	ug/L	50	49.2	98	75-125	
m&p-Xylene	ug/L	100	98.8	99	75-125	
Methyl-tert-butyl ether	ug/L	50	47.7	95	75-125	
Methylene Chloride	ug/L	50	48.0	96	75-125	
n-Butylbenzene	ug/L	50	51.2	102	75-125	
n-Propylbenzene	ug/L	50	50.6	101	75-125	
Naphthalene	ug/L	50	48.5	97	74-129	
o-Xylene	ug/L	50	48.2	96	75-125	
p-Isopropyltoluene	ug/L	50	49.3	99	75-125	
sec-Butylbenzene	ug/L	50	50.0	100	75-125	
Styrene	ug/L	50	48.7	97	75-125	

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QUALITY CONTROL DATA

Project: 2118-0001 Superior MGP
Pace Project No.: 10174972

LABORATORY CONTROL SAMPLE: 1100577

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
tert-Butylbenzene	ug/L	50	48.8	98	75-125	
Tetrachloroethene	ug/L	50	48.1	96	75-125	
Tetrahydrofuran	ug/L	500	477	95	64-128	
Toluene	ug/L	50	49.4	99	75-125	
trans-1,2-Dichloroethene	ug/L	50	45.5	91	75-125	
trans-1,3-Dichloropropene	ug/L	50	49.9	100	75-125	
Trichloroethene	ug/L	50	48.2	96	75-125	
Trichlorofluoromethane	ug/L	50	56.1	112	75-125	
Vinyl chloride	ug/L	50	54.7	109	74-125	
Xylene (Total)	ug/L	150	147	98	75-125	
1,2-Dichloroethane-d4 (S)	%			110	75-125	
4-Bromofluorobenzene (S)	%			105	75-125	
Dibromofluoromethane (S)	%			102	75-125	
Toluene-d8 (S)	%			102	75-125	

MATRIX SPIKE SAMPLE: 1101092

Parameter	Units	10175896001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	50	49.3	99	75-125	
1,1,1-Trichloroethane	ug/L	ND	50	51.5	103	75-128	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	47.4	95	75-125	
1,1,2-Trichloroethane	ug/L	ND	50	46.4	93	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	50	70.9	142	75-150	
1,1-Dichloroethane	ug/L	ND	50	56.4	111	75-125	
1,1-Dichloroethene	ug/L	ND	50	54.1	108	75-134	
1,1-Dichloropropene	ug/L	ND	50	57.5	115	75-131	
1,2,3-Trichlorobenzene	ug/L	ND	50	48.4	97	67-145	
1,2,3-Trichloropropane	ug/L	ND	50	51.0	102	75-125	
1,2,4-Trichlorobenzene	ug/L	ND	50	48.9	98	74-138	
1,2,4-Trimethylbenzene	ug/L	ND	50	50.1	100	75-126	
1,2-Dibromo-3-chloropropane	ug/L	ND	50	51.9	104	68-129	
1,2-Dibromoethane (EDB)	ug/L	ND	50	48.3	97	75-125	
1,2-Dichlorobenzene	ug/L	ND	50	47.6	95	75-125	
1,2-Dichloroethane	ug/L	ND	50	53.2	106	69-129	
1,2-Dichloropropane	ug/L	ND	50	51.6	103	75-125	
1,3,5-Trimethylbenzene	ug/L	ND	50	50.9	102	75-125	
1,3-Dichlorobenzene	ug/L	ND	50	48.3	97	75-125	
1,3-Dichloropropane	ug/L	ND	50	49.5	99	75-125	
1,4-Dichlorobenzene	ug/L	ND	50	48.2	96	75-125	
2,2-Dichloropropane	ug/L	ND	50	57.2	114	69-141	
2-Butanone (MEK)	ug/L	ND	50	49.4	99	42-137	
2-Chlorotoluene	ug/L	ND	50	51.1	102	68-147	
4-Chlorotoluene	ug/L	ND	50	51.8	104	75-130	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	50	51.9	104	57-126	
Acetone	ug/L	ND	125	98.2	79	34-130	
Allyl chloride	ug/L	ND	50	59.7	119	53-140	
Benzene	ug/L	ND	50	52.7	105	73-136	

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QUALITY CONTROL DATA

Project: 2118-0001 Superior MGP
Pace Project No.: 10174972

MATRIX SPIKE SAMPLE: 1101092

Parameter	Units	10175896001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Bromobenzene	ug/L	ND	50	49.0	98	75-125	
Bromochloromethane	ug/L	ND	50	48.6	97	75-125	
Bromodichloromethane	ug/L	ND	50	47.7	95	75-125	
Bromoform	ug/L	ND	50	45.2	90	75-125	
Bromomethane	ug/L	ND	50	46.8	94	41-150	
Carbon tetrachloride	ug/L	ND	50	57.0	114	75-135	
Chlorobenzene	ug/L	ND	50	49.2	98	75-125	
Chloroethane	ug/L	ND	50	56.6	113	71-139	
Chloroform	ug/L	ND	50	50.4	101	75-125	
Chloromethane	ug/L	ND	50	49.7	99	65-144	
cis-1,2-Dichloroethene	ug/L	ND	50	48.7	97	75-125	
cis-1,3-Dichloropropene	ug/L	ND	50	50.3	101	75-125	
Dibromochloromethane	ug/L	ND	50	46.8	94	75-125	
Dibromomethane	ug/L	ND	50	47.5	95	75-125	
Dichlorodifluoromethane	ug/L	ND	50	66.4	133	55-150	
Dichlorofluoromethane	ug/L	ND	50	57.4	115	75-129	
Diethyl ether (Ethyl ether)	ug/L	ND	50	50.2	100	75-125	
Ethylbenzene	ug/L	ND	50	51.8	103	75-137	
Hexachloro-1,3-butadiene	ug/L	ND	25	26.5	106	69-150	
Isopropylbenzene (Cumene)	ug/L	ND	50	49.7	99	75-125	
m&p-Xylene	ug/L	ND	100	102	102	71-133	
Methyl-tert-butyl ether	ug/L	ND	50	47.4	95	75-125	
Methylene Chloride	ug/L	ND	50	43.6	87	75-125	
n-Butylbenzene	ug/L	ND	50	53.1	106	75-141	
n-Propylbenzene	ug/L	ND	50	52.9	106	75-132	
Naphthalene	ug/L	ND	50	49.0	98	74-138	
o-Xylene	ug/L	ND	50	49.7	99	75-128	
p-Isopropyltoluene	ug/L	ND	50	50.9	102	75-133	
sec-Butylbenzene	ug/L	ND	50	51.8	104	75-136	
Styrene	ug/L	ND	50	49.4	99	72-125	
tert-Butylbenzene	ug/L	ND	50	50.9	102	75-132	
Tetrachloroethene	ug/L	ND	50	51.1	102	75-126	
Tetrahydrofuran	ug/L	ND	500	484	97	64-128	
Toluene	ug/L	ND	50	51.8	102	75-125	
trans-1,2-Dichloroethene	ug/L	ND	50	49.7	99	75-127	
trans-1,3-Dichloropropene	ug/L	ND	50	50.5	101	75-125	
Trichloroethene	ug/L	ND	50	51.8	104	75-125	
Trichlorofluoromethane	ug/L	ND	50	63.4	127	75-150	
Vinyl chloride	ug/L	ND	50	56.5	113	74-142	
Xylene (Total)	ug/L	ND	150	152	101	73-132	
1,2-Dichloroethane-d4 (S)	%				109	75-125	
4-Bromofluorobenzene (S)	%				107	75-125	
Dibromofluoromethane (S)	%				101	75-125	
Toluene-d8 (S)	%				102	75-125	

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QUALITY CONTROL DATA

Project: 2118-0001 Superior MGP
Pace Project No.: 10174972

SAMPLE DUPLICATE: 1101093

Parameter	Units	10175896002 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	ND		30	
1,1,1-Trichloroethane	ug/L	ND	ND		30	
1,1,2,2-Tetrachloroethane	ug/L	ND	ND		30	
1,1,2-Trichloroethane	ug/L	ND	ND		30	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	ND		30	
1,1-Dichloroethane	ug/L	ND	ND		30	
1,1-Dichloroethene	ug/L	ND	ND		30	
1,1-Dichloropropene	ug/L	ND	ND		30	
1,2,3-Trichlorobenzene	ug/L	ND	ND		30	
1,2,3-Trichloropropane	ug/L	ND	ND		30	
1,2,4-Trichlorobenzene	ug/L	ND	ND		30	
1,2,4-Trimethylbenzene	ug/L	ND	ND		30	
1,2-Dibromo-3-chloropropane	ug/L	ND	ND		30	
1,2-Dibromoethane (EDB)	ug/L	ND	ND		30	
1,2-Dichlorobenzene	ug/L	ND	ND		30	
1,2-Dichloroethane	ug/L	ND	ND		30	
1,2-Dichloropropane	ug/L	ND	ND		30	
1,3,5-Trimethylbenzene	ug/L	ND	ND		30	
1,3-Dichlorobenzene	ug/L	ND	ND		30	
1,3-Dichloropropane	ug/L	ND	ND		30	
1,4-Dichlorobenzene	ug/L	ND	ND		30	
2,2-Dichloropropane	ug/L	ND	ND		30	
2-Butanone (MEK)	ug/L	ND	ND		30	
2-Chlorotoluene	ug/L	ND	ND		30	
4-Chlorotoluene	ug/L	ND	ND		30	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	ND		30	
Acetone	ug/L	ND	ND		30	
Allyl chloride	ug/L	ND	ND		30	
Benzene	ug/L	ND	ND		30	
Bromobenzene	ug/L	ND	ND		30	
Bromochloromethane	ug/L	ND	ND		30	
Bromodichloromethane	ug/L	ND	ND		30	
Bromoform	ug/L	ND	ND		30	
Bromomethane	ug/L	ND	ND		30	
Carbon tetrachloride	ug/L	ND	ND		30	
Chlorobenzene	ug/L	ND	ND		30	
Chloroethane	ug/L	ND	ND		30	
Chloroform	ug/L	ND	ND		30	
Chloromethane	ug/L	ND	ND		30	
cis-1,2-Dichloroethene	ug/L	ND	ND		30	
cis-1,3-Dichloropropene	ug/L	ND	ND		30	
Dibromochloromethane	ug/L	ND	ND		30	
Dibromomethane	ug/L	ND	ND		30	
Dichlorodifluoromethane	ug/L	ND	ND		30	
Dichlorofluoromethane	ug/L	ND	ND		30	
Diethyl ether (Ethyl ether)	ug/L	ND	ND		30	
Ethylbenzene	ug/L	ND	ND		30	
Hexachloro-1,3-butadiene	ug/L	ND	ND		30	

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QUALITY CONTROL DATA

Project: 2118-0001 Superior MGP
Pace Project No.: 10174972

SAMPLE DUPLICATE: 1101093

Parameter	Units	10175896002 Result	Dup Result	RPD	Max RPD	Qualifiers
Isopropylbenzene (Cumene)	ug/L	ND	ND		30	
m&p-Xylene	ug/L	ND	ND		30	
Methyl-tert-butyl ether	ug/L	ND	ND		30	
Methylene Chloride	ug/L	ND	ND		30	
n-Butylbenzene	ug/L	ND	ND		30	
n-Propylbenzene	ug/L	ND	ND		30	
Naphthalene	ug/L	ND	ND		30	
o-Xylene	ug/L	ND	ND		30	
p-Isopropyltoluene	ug/L	ND	ND		30	
sec-Butylbenzene	ug/L	ND	ND		30	
Styrene	ug/L	ND	ND		30	
tert-Butylbenzene	ug/L	ND	ND		30	
Tetrachloroethene	ug/L	ND	ND		30	
Tetrahydrofuran	ug/L	ND	ND		30	
Toluene	ug/L	ND	ND		30	
trans-1,2-Dichloroethene	ug/L	ND	ND		30	
trans-1,3-Dichloropropene	ug/L	ND	ND		30	
Trichloroethene	ug/L	ND	ND		30	
Trichlorofluoromethane	ug/L	ND	ND		30	
Vinyl chloride	ug/L	ND	ND		30	
Xylene (Total)	ug/L	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	114	116	2		
4-Bromofluorobenzene (S)	%	107	105	2		
Dibromofluoromethane (S)	%	103	104	1		
Toluene-d8 (S)	%	101	101	.5		

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QUALITY CONTROL DATA

Project: 2118-0001 Superior MGP
Pace Project No.: 10174972

QC Batch: OEXT/17184 Analysis Method: EPA 8270 by SIM
QC Batch Method: EPA 3510 Analysis Description: 8270 Water PAH by SIM MSSV
Associated Lab Samples: 10174972001, 10174972002, 10174972003, 10174972004, 10174972005, 10174972006, 10174972007, 10174972008, 10174972009, 10174972010, 10174972011, 10174972012, 10174972013, 10174972014, 10174972015

METHOD BLANK: 1094386 Matrix: Water
Associated Lab Samples: 10174972001, 10174972002, 10174972003, 10174972004, 10174972005, 10174972006, 10174972007, 10174972008, 10174972009, 10174972010, 10174972011, 10174972012, 10174972013, 10174972014, 10174972015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Acenaphthene	ug/L	ND	0.040	11/09/11 09:10	
Acenaphthylene	ug/L	ND	0.040	11/09/11 09:10	
Anthracene	ug/L	ND	0.040	11/09/11 09:10	
Benzo(a)anthracene	ug/L	ND	0.040	11/09/11 09:10	
Benzo(a)pyrene	ug/L	ND	0.040	11/09/11 09:10	
Benzo(b)fluoranthene	ug/L	ND	0.040	11/09/11 09:10	
Benzo(g,h,i)perylene	ug/L	ND	0.040	11/09/11 09:10	
Benzo(k)fluoranthene	ug/L	ND	0.040	11/09/11 09:10	
Chrysene	ug/L	ND	0.040	11/09/11 09:10	
Dibenz(a,h)anthracene	ug/L	ND	0.040	11/09/11 09:10	
Fluoranthene	ug/L	ND	0.040	11/09/11 09:10	
Fluorene	ug/L	ND	0.040	11/09/11 09:10	
Indeno(1,2,3-cd)pyrene	ug/L	ND	0.040	11/09/11 09:10	
Naphthalene	ug/L	ND	0.040	11/09/11 09:10	
Phenanthrene	ug/L	ND	0.040	11/09/11 09:10	
Pyrene	ug/L	ND	0.040	11/09/11 09:10	
2-Fluorobiphenyl (S)	%	79	56-125	11/09/11 09:10	
Terphenyl-d14 (S)	%	92	58-125	11/09/11 09:10	

LABORATORY CONTROL SAMPLE & LCSD: 1094387 1094388

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Acenaphthene	ug/L	1	0.72	0.66	72	66	56-125	9	20	
Acenaphthylene	ug/L	1	0.74	0.66	74	66	55-125	11	20	
Anthracene	ug/L	1	0.80	0.70	80	70	62-125	14	20	
Benzo(a)anthracene	ug/L	1	0.81	0.71	81	71	56-125	13	20	
Benzo(a)pyrene	ug/L	1	0.84	0.76	84	76	64-125	9	20	
Benzo(b)fluoranthene	ug/L	1	0.85	0.74	85	74	53-125	14	20	
Benzo(g,h,i)perylene	ug/L	1	0.80	0.74	80	74	38-125	8	20	
Benzo(k)fluoranthene	ug/L	1	0.83	0.74	83	74	59-125	12	20	
Chrysene	ug/L	1	0.81	0.72	81	72	64-125	11	20	
Dibenz(a,h)anthracene	ug/L	1	0.80	0.74	80	74	40-125	8	20	
Fluoranthene	ug/L	1	0.87	0.77	87	77	60-125	13	20	
Fluorene	ug/L	1	0.81	0.72	81	72	59-125	12	20	
Indeno(1,2,3-cd)pyrene	ug/L	1	0.81	0.74	81	74	42-125	9	20	
Naphthalene	ug/L	1	0.70	0.65	70	65	52-125	8	20	
Phenanthrene	ug/L	1	0.78	0.69	78	69	54-125	12	20	
Pyrene	ug/L	1	0.85	0.74	85	74	66-125	13	20	

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QUALITY CONTROL DATA

Project: 2118-0001 Superior MGP
Pace Project No.: 10174972

LABORATORY CONTROL SAMPLE & LCSD: 1094387 1094388

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
2-Fluorobiphenyl (S)	%				80	71	56-125			
Terphenyl-d14 (S)	%				90	79	58-125			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1094612 1094613

Parameter	Units	10175039001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Acenaphthene	ug/L	ND	1	1.1	0.72	0.77	69	73	46-125	7	30	
Acenaphthylene	ug/L	ND	1	1.1	0.71	0.78	69	74	46-125	9	30	
Anthracene	ug/L	ND	1	1.1	0.83	0.84	80	80	48-125	.9	30	
Benzo(a)anthracene	ug/L	ND	1	1.1	0.86	0.86	82	82	47-125	.1	30	
Benzo(a)pyrene	ug/L	ND	1	1.1	1.0	0.90	96	86	59-125	10	30	
Benzo(b)fluoranthene	ug/L	ND	1	1.1	0.92	0.91	88	87	40-125	.9	30	
Benzo(g,h,i)perylene	ug/L	ND	1	1.1	0.87	0.86	84	82	38-125	2	30	
Benzo(k)fluoranthene	ug/L	ND	1	1.1	0.91	0.93	88	88	46-125	2	30	
Chrysene	ug/L	ND	1	1.1	0.87	0.87	84	82	56-125	.6	30	
Dibenz(a,h)anthracene	ug/L	ND	1	1.1	0.88	0.88	85	84	30-125	.3	30	
Fluoranthene	ug/L	ND	1	1.1	0.93	0.95	89	90	46-125	2	30	
Fluorene	ug/L	ND	1	1.1	0.81	0.85	78	81	48-125	5	30	
Indeno(1,2,3-cd)pyrene	ug/L	ND	1	1.1	0.89	0.88	85	84	32-125	.8	30	
Naphthalene	ug/L	ND	1	1.1	0.69	0.77	66	73	44-125	11	30	
Phenanthrene	ug/L	ND	1	1.1	0.79	0.83	73	76	47-125	5	30	
Pyrene	ug/L	ND	1	1.1	0.89	0.90	86	85	55-125	.7	30	
2-Fluorobiphenyl (S)	%						75	79	56-125			
Terphenyl-d14 (S)	%						91	90	58-125			

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QUALITY CONTROL DATA

Project: 2118-0001 Superior MGP
Pace Project No.: 10174972

QC Batch: OEXT/17200
QC Batch Method: EPA 3510
Analysis Method: EPA 8270 by SIM
Analysis Description: 8270 Water PAH by SIM MSSV
Associated Lab Samples: 10174972016

METHOD BLANK: 1095121 Matrix: Water
Associated Lab Samples: 10174972016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Acenaphthene	ug/L	ND	0.040	11/10/11 08:29	
Acenaphthylene	ug/L	ND	0.040	11/10/11 08:29	
Anthracene	ug/L	ND	0.040	11/10/11 08:29	
Benzo(a)anthracene	ug/L	ND	0.040	11/10/11 08:29	
Benzo(a)pyrene	ug/L	ND	0.040	11/10/11 08:29	
Benzo(b)fluoranthene	ug/L	ND	0.040	11/10/11 08:29	
Benzo(g,h,i)perylene	ug/L	ND	0.040	11/10/11 08:29	
Benzo(k)fluoranthene	ug/L	ND	0.040	11/10/11 08:29	
Chrysene	ug/L	ND	0.040	11/10/11 08:29	
Dibenz(a,h)anthracene	ug/L	ND	0.040	11/10/11 08:29	
Fluoranthene	ug/L	ND	0.040	11/10/11 08:29	
Fluorene	ug/L	ND	0.040	11/10/11 08:29	
Indeno(1,2,3-cd)pyrene	ug/L	ND	0.040	11/10/11 08:29	
Naphthalene	ug/L	ND	0.040	11/10/11 08:29	
Phenanthrene	ug/L	ND	0.040	11/10/11 08:29	
Pyrene	ug/L	ND	0.040	11/10/11 08:29	
2-Fluorobiphenyl (S)	%	87	56-125	11/10/11 08:29	
Terphenyl-d14 (S)	%	100	58-125	11/10/11 08:29	

LABORATORY CONTROL SAMPLE & LCSD: 1095122 1095123

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Acenaphthene	ug/L	1	0.72	0.63	72	63	56-125	13	20	
Acenaphthylene	ug/L	1	0.73	0.64	73	64	55-125	12	20	
Anthracene	ug/L	1	0.81	0.78	81	78	62-125	4	20	
Benzo(a)anthracene	ug/L	1	0.88	0.82	88	82	56-125	7	20	
Benzo(a)pyrene	ug/L	1	0.91	0.89	91	89	64-125	2	20	
Benzo(b)fluoranthene	ug/L	1	0.94	0.89	94	89	53-125	6	20	
Benzo(g,h,i)perylene	ug/L	1	0.86	0.80	86	80	38-125	8	20	
Benzo(k)fluoranthene	ug/L	1	0.90	0.85	90	85	59-125	6	20	
Chrysene	ug/L	1	0.85	0.80	85	80	64-125	7	20	
Dibenz(a,h)anthracene	ug/L	1	0.83	0.77	83	77	40-125	7	20	
Fluoranthene	ug/L	1	0.95	0.88	95	88	60-125	8	20	
Fluorene	ug/L	1	0.81	0.74	81	74	59-125	9	20	
Indeno(1,2,3-cd)pyrene	ug/L	1	0.86	0.81	86	81	42-125	7	20	
Naphthalene	ug/L	1	0.66	0.59	66	59	52-125	12	20	
Phenanthrene	ug/L	1	0.81	0.75	81	75	54-125	7	20	
Pyrene	ug/L	1	0.93	0.88	93	88	66-125	5	20	
2-Fluorobiphenyl (S)	%				75	66	56-125			
Terphenyl-d14 (S)	%				93	88	58-125			

REPORT OF LABORATORY ANALYSIS

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

QUALIFIERS

Project: 2118-0001 Superior MGP
Pace Project No.: 10174972

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.

SG - Silica Gel - Clean-Up

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 TNI accredited. Contact your Pace PM for the current list of accredited analytes.

ANALYTE QUALIFIERS

L0	Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
L3	Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
P2	Re-extraction or re-analysis could not be performed due to insufficient sample amount.
S1	Surrogate recovery outside laboratory control limits (confirmed by re-analysis).
S3	Surrogate recovery exceeded laboratory control limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.

CHAIN-OF-CUSTODY / Analytical Request Document

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

1138-1140

10174972

Page: 1 of 2

1459382

Section A Required Client Information:

Company: SUMMIT

Address: 1217 Bandana Blvd St Paul MN 55108

Email To: bg.regg@summite.com

Phone: 651-842-4229 Fax: —

Requested Due Date/TAT: std.

Section B Required Project Information:

Report To:

Copy To: Peter Bell/PACEPort

Purchase Order No.:

Project Name: Superior MGP

Project Number: 2118-0001

Section C Invoice Information:

Attention: Bill Gregg

Company Name: Summit

Address:

Pace Quote Reference:

Pace Project Manager:

Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☒ GROUND WATER ☐ DRINKING WATER

☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: WI

Section D Required Client Information

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

Matrix Codes MATRIX / CODE

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

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Requested Analysis Filtered (Y/N): Y/N	Analysis Test: VOC & PAH	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MW-1	WT	G			11/3/11	1145		5									N			
2	MW-2					11/3/11	1400														
3	MW-3					11/3/11	1630														
4	MW-5					11/3/11	1530		3	1			2								
5	MW-6					11/3/11	1435														
6	MW-7 *					11/4/11	1150														
7	MW-8 *					11/4/11	1300														
8	MW-9 *					11/4/11	1325		(4)	one VOA broke											
9	MW-10 *				1000	11/4/11	~~1100~~														
10	MW-11					11/4/11	820														
11	MW-13					11/3/11	1700														
12	MW-14					11/3/11	1720														

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
Can you dup MW-5?	Peter Bell/SUMMIT	11/4/11	16:56		11/4/11	1656	4.6	Y	N	Y
*=High concentrations and odors							5.1			
							6.9			
							6.7	4.2		

Cooler samples today ORIGINAL

6.9 + 6.7

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Peter Bell

SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY): 11/4/11

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

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

Pace Analytical®
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

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

10174972

Page: 2 of 3

1459383

Section A Required Client Information:

Company: SUMMIT
Address: 1217 Bandana Blvd
Email To: bgregg@summite.com
Phone: 651-842-4229 Fax: —
Requested Due Date/TAT: std.

Section B Required Project Information:

Report To: Bill Gregg
Copy To: Peter Ball
Pace PM
Purchase Order No.:
Project Name: Superior MGP
Project Number: 2118-0001

Section C Invoice Information:

Attention: Bill Gregg
Company Name: SUMMIT
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

REGULATORY AGENCY

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

Site Location STATE: WI

Section D Required Client Information

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

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED: COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	Analysis Test: VOC's PAH	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MW-15	WT	G			11/4/11	1120		5									N			
2	MW-20	↓	↓				1040		5												
3	MW-22	↓	↓			↓	900		5												
4	MW-5 (Dup)	↓	↓			11/3/11	1530		2	1			1								
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	Peter Ball /Summit	11/4/11	1656	/Pace	11/4/11	1656	4.6 Y N Y
							5.1
							6.9
							6.7 4.2

Coolers Samples Factor 6.9 + 6.7

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Peter Ball
SIGNATURE of SAMPLER: Peter Ball
DATE Signed (MM/DD/YY): 11/4/11

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

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

F-ALL-Q-020rev.07, 15-May-2007

Pace Analytical®	Document Name: **Sample Condition Upon Receipt Form**	Revised Date: 02Jun2011 Page 1 of 1
	Document Number: **F-L-213 Rev.01**	Issuing Authority: Pace Minnesota Quality Office

Sample Condition Upon Receipt

Client Name: Summit **Project #** 10174972

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

Tracking #: _____

Optional: Proj. Due Date: Proj. Name:

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

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

Thermometer Used 80344042 or 80512447 **Type of Ice:** Wet Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature 4.6, 5.1, 6.9 6.7, 4.2 **Biological Tissue is Frozen:** Yes No

Temp should be above freezing to 6°C **Comments:**

Date and Initials of person examining contents: 11/4/11 SG

Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes ☑No ☐N/A	6.
Rush Turn Around Time Requested:	☐Yes ☑No ☐N/A	7.
Sufficient Volume:	☑Yes ☐No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No ☐N/A	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
Containers Intact:	☑Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC:	☑Yes ☐No ☐N/A	12. Samples collected today in the coolers 6.7 + 6.9 TB not on the COC
-Includes date/time/ID/Analysis Matrix: WT		
All containers needing acid/base preservation have been checked. Noncompliance are noted in 13.	☐Yes ☐No ☑N/A	13. ☐ HNO3 ☐ H2SO4 ☐ NaOH ☐ HCl Samp #
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes ☐No ☐N/A	
Exceptions: VOA, Coliform, TOC, Oil and Grease, WI-DRO (water)	☑Yes ☐No	Initial when completed SH / 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. 2 WT TBs
Trip Blank Custody Seals Present	☐Yes ☐No ☐N/A	
Pace Trip Blank Lot # (if purchased): 100311-1		

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: Mandi Kent **Date:** 11/7/11

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)