AECOM Environment

Prepared for:
Superior Water, Light & Power Co
Superior, Wisconsin

Prepared by:
AECOM
Minneapolis, MN
Project # 60154982
February 9, 2011

Groundwater Monitoring Report
Former SWL&P Manufactured Gas Plant
Superior, Wisconsin
WDNR BRRTs # 02-16-275446

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Prepared By Christina M. Boehm Carlson

Reviewed By William M. Gregg, PG

Contents

1.0 Introduction 1-1

2.0 Methodology 2-1

2.1 Monitoring Well Gauging 2-1

2.2 Groundwater Sampling 2-1

2.3 Decontamination Procedures 2-1

2.4 Well Abandonment 2-1

3.0 Results 3-1

3.1 Hydrogeology 3-1

3.2 Groundwater Sampling Results 3-1

3.3 Discussion of Results 3-2

3.4 Quality Assurance and Quality Control Samples 3-2

4.0 Summary and Conclusion 4-1

List of Appendices

Appendix A Groundwater Sample Collection Forms

Appendix B Well Abandonment Records

Appendix C Laboratory Analytical Report

List of Tables

Table 1 Monitoring Well Gauging - April 2010

Table 2 Monitoring Well Gauging Data - October 2010

Table 3 Groundwater Analytical Results

List of Figures

Figure 1 Site Location Map

Figure 2 Groundwater Elevation Map - April 2010

Figure 3 Groundwater Elevation Map - October 2010

Figure 4 Estimated Extent of Benzene in Groundwater - April 2010

Figure 5 Estimated Extent of Benzene in Groundwater - October 2010

Figure 6 Estimated Extent of PAH in Groundwater - April 2010

Figure 7 Estimated Extent of PAH in Groundwater - October 2010

Figure 8 VOC Concentrations Over Time in MW-7

1.0 Introduction

This report presents the results of groundwater monitoring completed in 2010 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 during the April and October 2010 groundwater monitoring events as outlined below:

- Nine wells were sampled to monitor the post-remediation groundwater conditions. The nine wells were selected to represent groundwater conditions prior to and following the remedial excavation and Cool-Ox™ application completed in December 2008.
- Semiannual monitoring of the nine remedial assessment wells is expected to demonstrate temporal changes in groundwater quality as a result of the December 2008 remedial activities.
- The tenth well sampled in April 2010 was sampled in anticipation of a construction project on the waste water treatment plant in the immediate vicinity of the well.
- The tenth well sampled in October 2010 was sampled in anticipation of its abandonment, due to damage from frost heave.

2.0 Methodology

2.1 Monitoring Well Gauging

Groundwater level measurements were collected from the wells prior to sampling using an interface probe. 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 21 and 22, 2010 and on October 20 and 21, 2010. During both the April and October 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 April sampling event, well MW-16 was also sampled to provide groundwater quality data for a construction project on the wastewater treatment plant near the well. During the October sampling event, well MW-18 was also sampled to provide a final sampling result before the damaged well was abandoned.

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 or new tubing until groundwater water quality parameters stabilized. Water quality measurements, including pH, specific conductivity, temperature, oxidation–reduction potential, and dissolved oxygen were measured with a YSI 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 interface probe 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.

2.4 Well Abandonment

AECOM, a licensed Wisconsin well driller, abandoned wells MW-18 and MW-19. Well MW-18 was damaged beyond repair due to frost heave. Well MW-19 was damaged beyond repair by cars parking on the well. The wells were abandoned cutting the casing below ground level and filling the wells with bentonite-cement grout. The well abandonment records are included in **Appendix B**.

3.0 Results

3.1 Hydrogeology

The April and October groundwater elevations are summarized in **Table 1** and **Table 2**, respectively. The April and October 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 2010 sampling events. No measurable NAPL has ever been detected in the wells.

The April 2010 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 October 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 October. Based on the 2010 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.

3.2 Groundwater Sampling Results

Groundwater samples from the 2010 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 2010 sampling rounds). The groundwater results were compared to the applicable WDNR groundwater standards (NR 140, Table 1 Enforcement Standards).

A review of the 2010 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 October 2010 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 October 2010 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 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. Well MW-7 is closest to the MGP source area and has exhibited the highest VOC concentrations among site wells. **Figure 8** is a graph of the benzene and toluene concentrations in MW-7 for each sampling event. The October 2010 concentrations of benzene and toluene in MW-7 are approximately half the concentrations originally measured in November 2001.

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-10 in October) 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. 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).

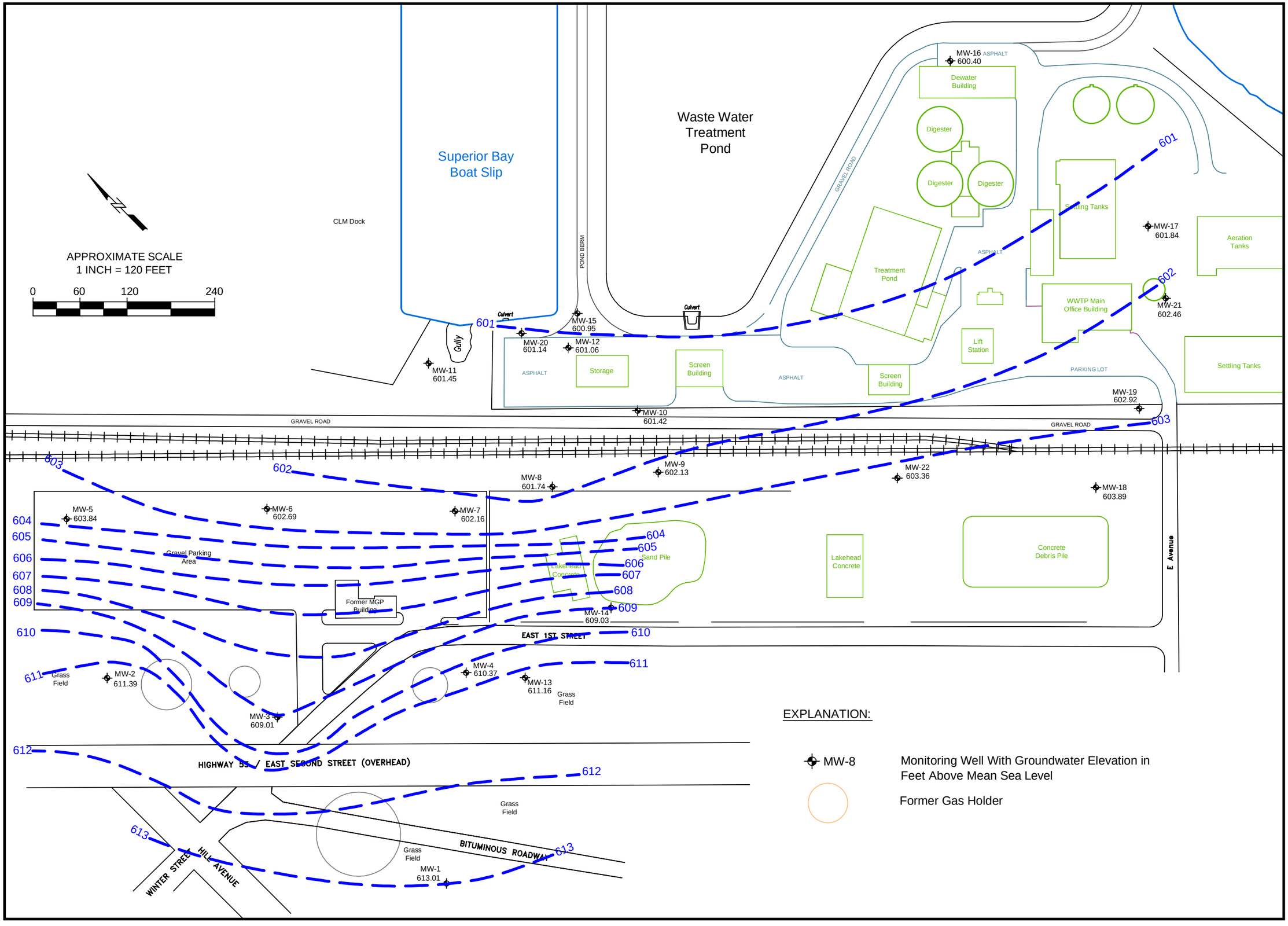
Additional groundwater monitoring will enable an evaluation of trends in groundwater quality over time. The slow groundwater velocity increases the time for groundwater quality to improvement in the wells downgradient of the remediation excavation and Cool-Ox application. Semiannual sampling of the nine remedial assessment wells is planned.

Figures

AECOM

	USGS 7½ Minute Topographic Quadrangle from DeLorme Superior, Wisconsin, 1993	**Site Location** Superior Water Light & Power Former MGP Superior, Wisconsin June 2010 Project # 60154982	**Figure 1**
Scale: 1 : 24,000			www.aecom.com

N:\PROJECTW\SWL&P\12842 SWL&P Superior MGP\Figures\GW Monitoring\2010\Figure 1-1 Site Location.doc



EXPLANATION:

MW-8 — Monitoring Well With Groundwater Elevation in Feet Above Mean Sea Level

Former Gas Holder

REVISIONS

NO.:	DESCRIPTION:	DATE:	BY:

DESIGNED BY:
DRAWN BY: CMBC/DLS
CHECKED BY: WMG
APPROVED BY: WMG

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GROUNDWATER ELEVATION MAP
APRIL 21, 2010
Superior Water Light & Power MGP
Superior, Wisconsin

PROJECT NUMBER: 60154982
DATE: 11/15/10
SCALE: 1" = 120'

FIGURE NUMBER: 2

SHEET NUMBER: 1

File: F:\12642_SWL&P\2010 GW\FIGURE 2_2010 GW ELEVATIONS_APRIL.dwg Layout: Layout1 User: SilvermanD Plotted: Nov 15, 2010 - 12:15pm Xref's:

APPROXIMATE SCALE
1 INCH = 120 FEET

0 60 120 240

Superior Bay
Boat Slip

CLM Dock

Waste Water
Treatment
Pond

POND BERM

Culvert

Culvert

Gully

GRAVEL ROAD

ASPHALT

Dewater Building

Digester

Digester

Digester

Settling Tanks

Aeration Tanks

Treatment Pond

Screen Building

Storage

Screen Building

Lift Station

WWTP Main Office Building

Settling Tanks

PARKING LOT

MW-16 ASPHALT
601.77

MW-17
NG

MW-21
602.74

MW-19
ABANDONED

MW-20
601.24

MW-12
NG

MW-15
601.37

MW-11
601.64

MW-10
NG

MW-9
602.60

MW-8
602.73

MW-22
603.40

MW-18
602.57

MW-5
604.30

MW-6
602.28

MW-7
602.65

Gravel Parking Area

Former MGP Building

Lakehead Concrete

Sand Pile

Lakehead Concrete

Concrete Debris Pile

E Avenue

MW-14
609.21

EAST 1ST STREET

MW-4
611.36

MW-13
610.96

MW-2
612.00

Grass Field

MW-3
609.72

Grass Field

HIGHWAY 53 / EAST SECOND STREET (OVERHEAD)

Grass Field

Grass Field

BITUMINOUS ROADWAY

WINTER STREET

HILL AVENUE

MW-1
613.08

602 603 604 605 606 607 608 609 610 611 612 613

EXPLANATION:

MW-8	Monitoring Well With Groundwater Elevation in Feet Above Mean Sea Level
NG	Not Gauged
	Former Gas Holder

NOTES:
Wells were gauged on October 20 and 21, 2010.
NG = Not Gauged

REVISIONS	NO:	DESCRIPTION:	DATE:	BY:

DESIGNED BY:
DRAWN BY: CMBC/DLS
CHECKED BY: WMG
APPROVED BY: WMG

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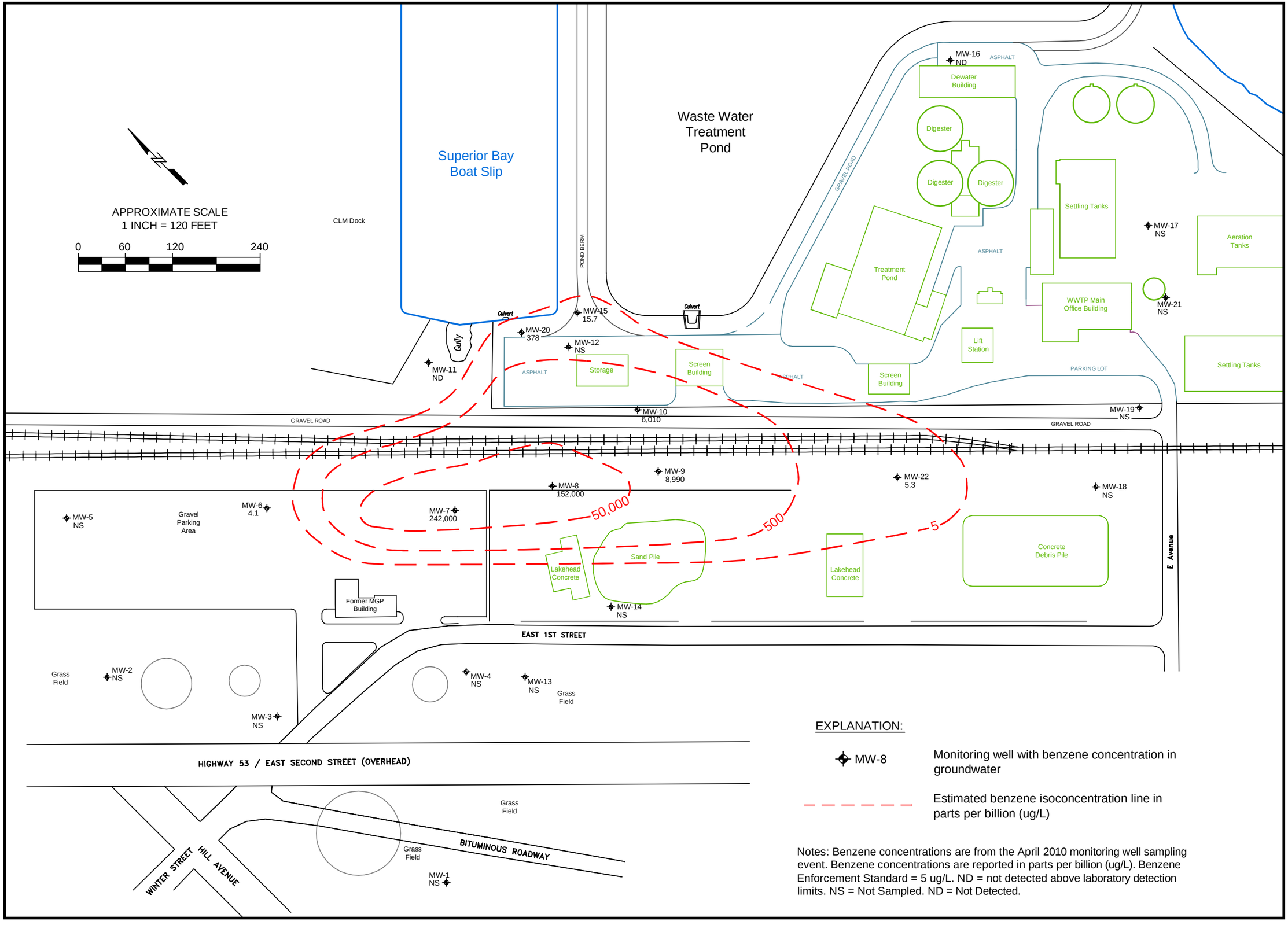
GROUNDWATER ELEVATION MAP
OCTOBER 2010
Superior Water Light & Power MGP
Superior, Wisconsin

PROJECT NUMBER: 60154982
DATE: 11/16/10
SCALE: 1" = 120'

FIGURE NUMBER: 3

SHEET NUMBER: 1



EXPLANATION:

MW-8 — Monitoring well with benzene concentration in groundwater

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

Notes: Benzene concentrations are from the April 2010 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 detection limits. NS = Not Sampled. ND = Not Detected.

REVISIONS	NO.:	DESCRIPTION:	DATE:	BY:

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DRAWN BY: CMBC/DLS
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ESTIMATED EXTENT OF BENZENE IN GROUNDWATER - APRIL 2010

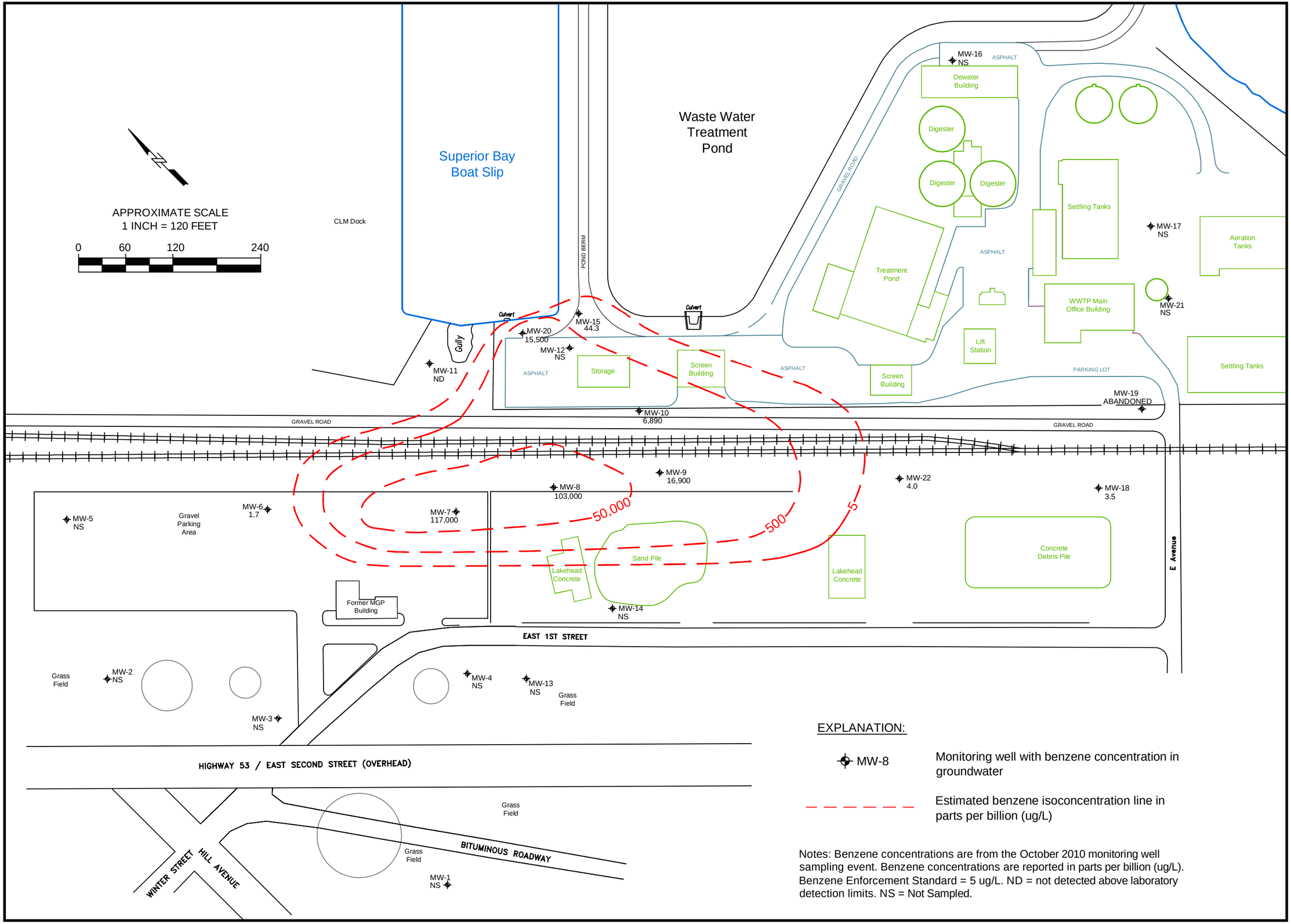
Superior Water Light & Power MGP
Superior, Wisconsin

PROJECT NUMBER: 60154982
DATE: 11/15/10
SCALE: 1" = 120'

FIGURE NUMBER: 4

SHEET NUMBER: 1

File: F:\12842_SWL&P\2010 GW\FIGURE 4_2010 BENZENE_APRIL.dwg Layout: Layout1 User: SilvermanD Plotted: Nov 15, 2010 - 12:14pm Xref's:



EXPLANATION:

MW-8 — Monitoring well with benzene concentration in groundwater

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

Notes: Benzene concentrations are from the October 2010 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 detection limits. NS = Not Sampled.

REVISIONS			
NO.:	DESCRIPTION:	DATE:	BY:

DESIGNED BY:
DRAWN BY: CMBC/DLS
CHECKED BY: WMG
APPROVED BY: WMG

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ESTIMATED EXTENT OF BENZENE IN GROUNDWATER - OCTOBER 2010

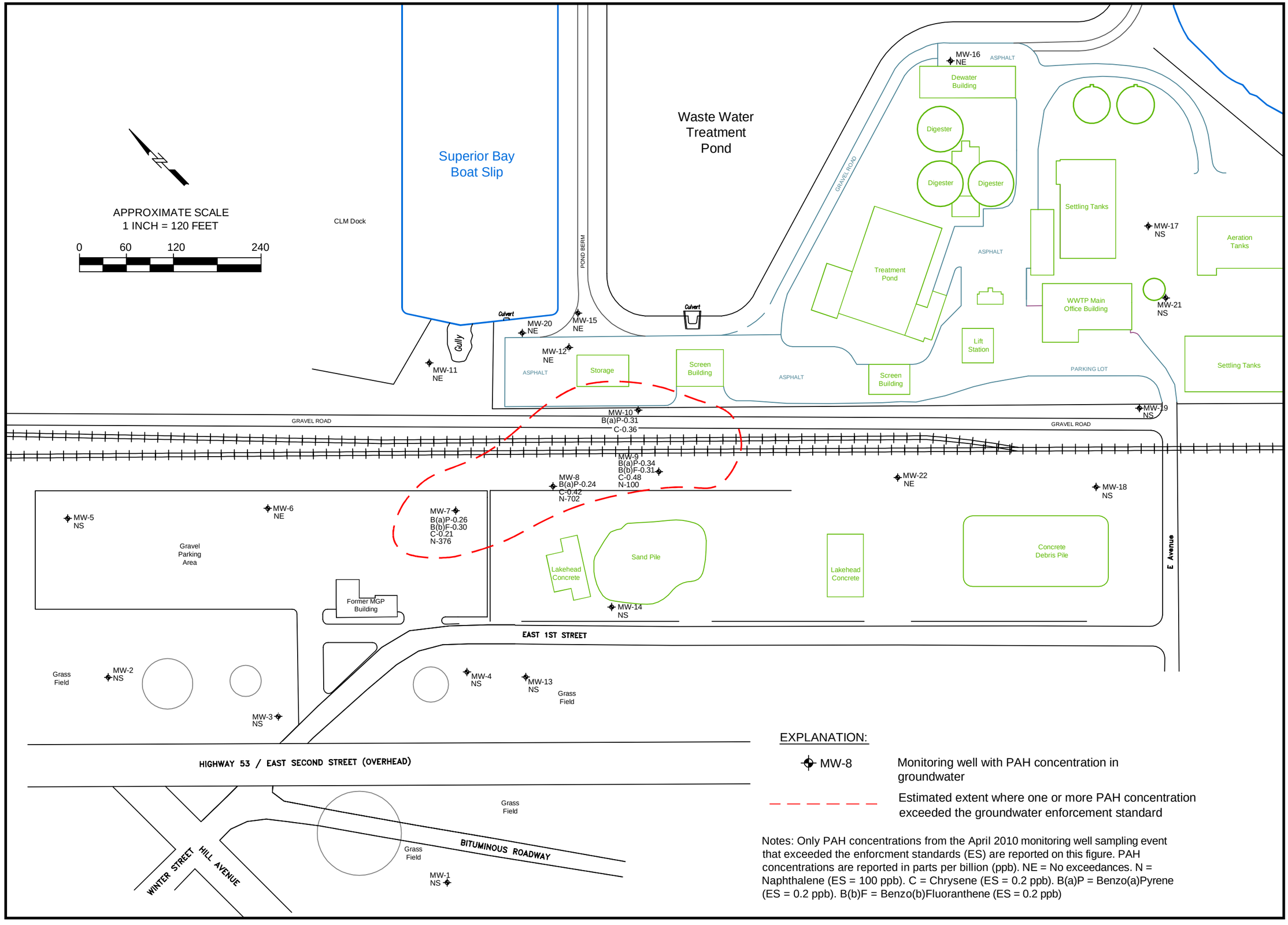
Superior Water Light & Power MGP
Superior, Wisconsin

PROJECT NUMBER: 60154982
DATE: 11/16/10
SCALE: 1" = 120'

FIGURE NUMBER: 5

SHEET NUMBER: 1

File: F:\12842_SWL&P\2010 GW\FIGURE 5_2010 BENZENE_OCTOBER.dwg Layout: Layout1 User: Silverman0 Plotted: Nov 17, 2010 - 11:23am Xref's:



EXPLANATION:

MW-8 — Monitoring well with PAH concentration in groundwater

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

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. N = Naphthalene (ES = 100 ppb). C = Chrysene (ES = 0.2 ppb). B(a)P = Benzo(a)Pyrene (ES = 0.2 ppb). B(b)F = Benzo(b)Fluoranthene (ES = 0.2 ppb)

REVISIONS			
NO.:	DESCRIPTION:	DATE:	BY:

DESIGNED BY:	DRAWN BY:	CHECKED BY:	APPROVED BY:
	CMBC/DLS	WMG	WMG

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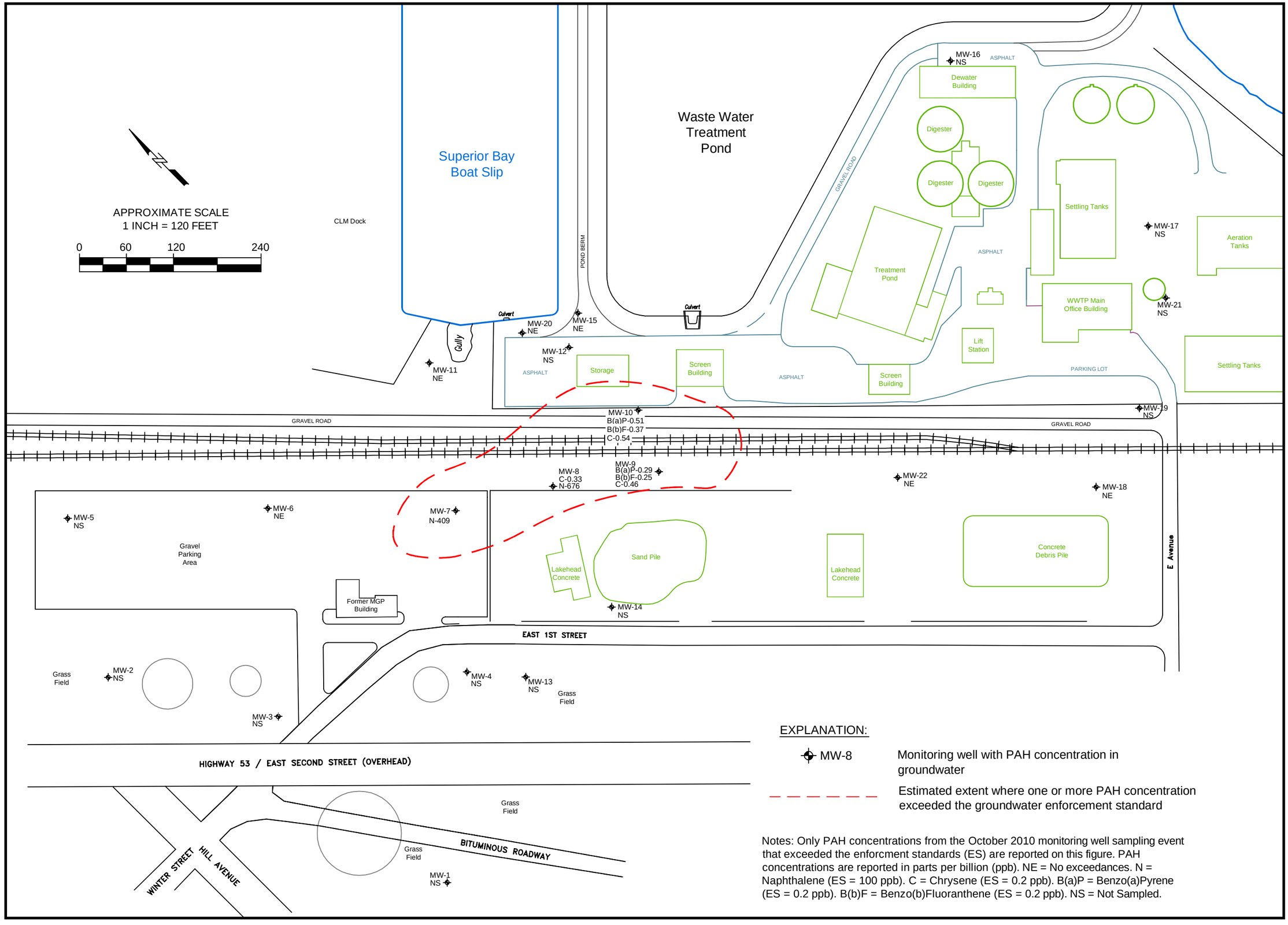
ESTIMATED EXTENT OF PAH IN GROUNDWATER - APRIL 2010

Superior Water Light & Power MGP
Superior, Wisconsin

PROJECT NUMBER:	DATE:	SCALE:
60154982	11/15/10	1" = 120'

FIGURE NUMBER: 6

SHEET NUMBER: 1



EXPLANATION:

MW-8 — Monitoring well with PAH concentration in groundwater

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

Notes: Only PAH concentrations from the October 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. N = Naphthalene (ES = 100 ppb). C = Chrysene (ES = 0.2 ppb). B(a)P = Benzo(a)Pyrene (ES = 0.2 ppb). B(b)F = Benzo(b)Fluoranthene (ES = 0.2 ppb). NS = Not Sampled.

REVISIONS	NO.:	DESCRIPTION:	DATE:	BY:

DESIGNED BY:
DRAWN BY: CMBC/DLS
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ESTIMATED EXTENT OF PAH IN GROUNDWATER - OCTOBER 2010

Superior Water Light & Power MGP
Superior, Wisconsin

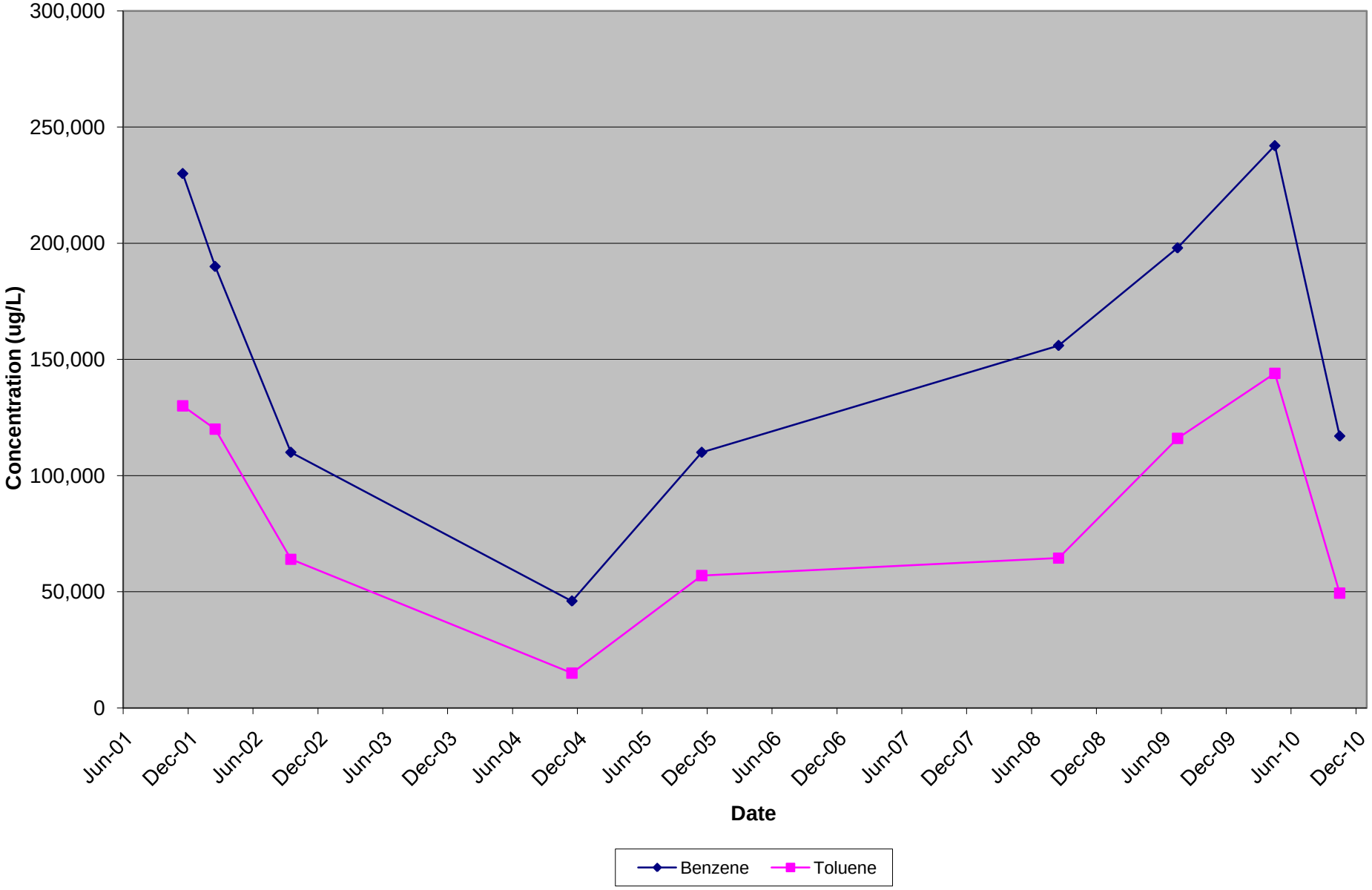
PROJECT NUMBER: 60154982
DATE: 11/16/10
SCALE: 1" = 120'

FIGURE NUMBER: 7

SHEET NUMBER: 1

File: F:\12842_SWL&P\2010 GW\FIGURE 7_GW PAH_OCTOBER.dwg Layout: Layout1 User: SilvermanD Plotted: Nov 16, 2010 - 9:04am Xref's:

Figure 8
VOC Concentrations Over Time in MW-7
SWL&P Former MGP
Superior, Wisconsin



Tables

Table 1
Monitoring Well Gaging Data - April 2010
Superior Water, Light and Power Former 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	6.10	613.01	Clay [e]
MW-2	614.2	617.15	5.76	611.39	Clay
MW-3	613.9	617.07	8.06	609.01	Clay
MW-4	614.0	617.11	6.74	610.37	Clay
MW-5	610.1	612.40	8.56	603.84	7.63×10^{-5}
MW-6	611.4	613.74	11.05	602.69	3.07×10^{-3}
MW-7	612.3	614.91	12.75	602.16	7.79×10^{-3}
MW-8	612.0	615.17	13.43	601.74	3.26×10^{-3}
MW-9	608.7	611.38	9.25	602.13	1.17×10^{-2}
MW-10	606.5	606.08	4.66	601.42	7.46×10^{-3}
MW-11	607.0	609.89	8.44	601.45	8.48×10^{-3}
MW-12	607.9	607.64	6.58	601.06	3.28×10^{-3}
MW-13	613.56	616.26	5.10	611.16	Clay
MW-14	614.06	617.27	8.24	609.03	Clay
MW-15	609.06	608.95	8.00	600.95	1.1×10^{-3}
MW-16	610.03	613.11	12.71	600.40	1.6×10^{-3}
MW-17	608.48	610.93	9.09	601.84	2.3×10^{-3}
MW-18	606.40 [f]	606.42 [f]	2.83	603.59 [f]	4.5×10^{-5}
MW-19	606.82	606.77	3.85	602.92	1.0×10^{-2}
MW-20	605.91	605.43	4.29	601.14	6.8×10^{-3}
MW-21	609.59	612.57	10.11	602.46	1.5×10^{-1}
MW-22	607.5	610.55	7.19	603.36	4.4×10^{-3}

Groundwater elevations were measured on April 21, 2010 with an interface probe.

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.)
f. Elevation of MW-18 is not accurate due to well damage and possible frost heave.

Table 2
Monitoring Well Gaging Data - October 2010
Superior Water, Light and Power Former 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	6.03	613.08	Clay [e]
MW-2	614.2	617.15	5.15	612.00	Clay
MW-3	613.9	617.07	7.35	609.72	Clay
MW-4	614.0	617.11	5.75	611.36	Clay
MW-5	610.1	612.40	8.10	604.30	7.63×10^{-5}
MW-6	611.4	613.74	11.46	602.28	3.07×10^{-3}
MW-7	612.3	614.91	12.26	602.65	7.79×10^{-3}
MW-8	612.0	615.17	12.44	602.73	3.26×10^{-3}
MW-9	608.7	611.38	8.78	602.60	1.17×10^{-2}
MW-10	606.5	606.08	NM[g]	--	7.46×10^{-3}
MW-11	607.0	609.89	8.25	601.64	8.48×10^{-3}
MW-12	607.9	607.64	NM[g]	--	3.28×10^{-3}
MW-13	613.56	616.26	5.30	610.96	Clay
MW-14	614.06	617.27	8.06	609.21	Clay
MW-15	609.06	608.95	7.58	601.37	1.1×10^{-3}
MW-16	610.03	613.11	11.34	601.77	1.6×10^{-3}
MW-17	608.48	610.93	NM[g]	--	2.3×10^{-3}
MW-18	606.40 [f]	606.42 [f]	3.85	602.57 [f]	4.5×10^{-5}
MW-19	606.82	606.77	NM[g]	--	1.0×10^{-2}
MW-20	605.91	605.43	4.19	601.24	6.8×10^{-3}
MW-21	609.59	612.57	9.83	602.74	1.5×10^{-1}
MW-22	607.5	610.55	7.15	603.40	4.4×10^{-3}

Groundwater elevations were measured on October 20 and 21, 2010 with an interface probe.

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.)
f. Elevation of MW-18 is not accurate due to well damage and possible frost heave.
g. NM = Not Measured.

Table 3
Groundwater Analytical Results
2002 through 2010
Superior Water, Light and Power Former MGP
Superior, Wisconsin

Well ID	**Enforcement**	**MW-1**	**MW-1**	**MW-1**	**MW-1**	**MW-2**	**MW-2**	**MW-2**	**MW-2**	**MW-3**	**MW-3**	**MW-3**	**MW-3**	**MW-4**	**MW-4**	**MW-4-dup**	**MW-4**	**MW-4**
Date	**Standard [a]**	**2/11/2002**	**9/20/2002**	**11/15/2005**	**8/12/2008**	**2/11/2002**	**9/18/2002**	**11/15/2005**	**8/13/2008**	**2/11/2002**	**9/20/2002**	**11/15/2005**	**8/12/2008**	**2/11/2002**	**9/20/2002**	**9/20/2002**	**11/15/2005**	**8/13/2008**
VOC																		
Acetone	**1,000**	---	---	---	<10	---	---	---	<10	---	---	---	<50	---	---	---	---	<20,000
Benzene	**5**	<0.45	<0.25	<0.41	<1	<0.45	<0.25	<0.41	<1	**21**	**620**	**2,800**	**3,890**	**110,000**	**120,000**	**130,000**	**190,000**	**227,000**
Bromobenzene	**NE [c]**	---	---	<0.82	<1	---	---	<0.82	<1	---	---	<20	<5	---	---	---	<1,000	<2,000
2-Butanone (MEK)	**460**	---	---	---	<4	---	---	---	<4	---	---	---	<20	---	---	---	---	<8,000
Chloroethane	**400**	---	---	<0.97	<1	---	---	<0.97	<1	---	---	<24	<5	---	---	---	<1,200	<2,000
Chloroform	**6**	---	---	<0.37	<1	---	---	<0.37	<1	---	---	<9.2	<5	---	---	---	<460	<2,000
Chloromethane	**3**	---	---	0.33	**3.8**	---	---	<0.24	**6**	---	---	<6.0	<5	---	---	---	<300	<2,000
Ethylbenzene	**700**	<0.82	<0.53	<0.54	<1	<0.82	<0.53	<0.54	<1	4.8	45	130	117	<820	<530	<530	<680	<2,000
Isopropylbenzene (Cumene)	**NE**	---	---	<0.59	<1	---	---	<0.59	<1	---	---	<15	8.1	---	---	---	<740	<2,000
p-Isopropyltoluene	**NE**	---	---	<0.67	<1	---	---	<0.67	<1	---	---	<17	<5	---	---	---	<840	<2,000
Naphthalene	**100**	---	---	<0.74	<4	---	---	<0.74	<4	---	---	**2,100**	**1,390**	---	---	---	<920	<8,000
n-Propylbenzene	**NE**	---	---	<0.81	<1	---	---	<0.81	<1	---	---	<20	5.2	---	---	---	<1,000	<2,000
Styrene	**100**	---	---	<0.86	<1	---	---	<0.86	<1	---	---	<22	<5	---	---	---	<1,100	<2,000
Toluene	**1,000**	<0.68	<0.84	<0.67	<1	<0.68	<0.84	<0.67	<1	26	100	25	7.8	**19,000**	<840	960	**1,500**	<2,000
1,2,4-Trimethylbenzene	**480[b]**	---	<0.69	<0.97	<1	---	<0.69	<0.97	<1	---	26	120	100	---	<690	<690	<1,200	<2,000
1,3,5-Trimethylbenzene	**480**	---	<0.64	<0.83	<1	---	<0.64	<0.83	<1	---	11	41	<5	---	<640	<640	<1,000	<2,000
m&p-Xylene	**10,000[d]**	<0.77	<1.1	<1.8	<2	<0.77	<1.1	<1.8	<2	44	130	260	58.7	<770	<1,100	<1,100	<2,200	<4,000
o-Xylene	**10,000[d]**	<1.7	<0.73	<0.83	<1	<1.7	<0.73	<0.83	<1	8.5	96	25	13.3	<1,700	<730	<730	<1,000	<2,000
PAH																		
1-Methylnaphthalene	**NE**	<0.027	<0.027	0.07	---	<0.027	<0.027	<0.012	---	<0.027	22	82	---	0.055	0.042	0.033	0.11	---
2-Chloronaphthalene	**NE**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2-Methylnaphthalene	**NE**	<0.028	<0.028	0.05	---	<0.028	<0.028	<0.012	---	<0.028	15	29	---	0.088	0.059	0.048	0.13	---
Acenaphthene	**NE**	<0.018	<0.018	0.049	<0.041	<0.018	<0.018	<0.0088	<0.041	<0.018	<7.2	2.7	1.9	<0.018	<0.018	<0.018	<0.086	<0.04
Acenaphthylene	**NE**	<0.023	<0.023	<0.0086	<0.041	<0.023	<0.023	<0.0088	<0.041	<0.023	<9.2	1.4	1.2	<0.023	<0.023	<0.023	<0.086	<0.04
Anthracene	**3,000**	<0.020	<0.020	<0.012	<0.041	<0.020	<0.020	<0.013	<0.041	<0.020	0.27	1.7	0.92	<0.020	<0.020	<0.020	<0.12	<0.04
Benzo(a)anthracene	**NE**	<0.019	<0.019	<0.017	<0.041	<0.019	<0.019	<0.017	<0.041	<0.019	<0.019	<1.7	<0.041	<0.019	<0.019	<0.019	<0.17	<0.04
Benzo(a)pyrene	**0.2**	<0.012	<0.012	<0.019	<0.041	<0.012	<0.012	<0.020	<0.041	<0.012	0.014	<1.9	<0.041	<0.012	<0.012	<0.012	<0.19	<0.04
Benzo(b)fluoranthene	**0.2**	<0.014	<0.014	<0.017	<0.041	<0.014	<0.014	<0.017	<0.041	<0.014	<0.014	<1.7	<0.041	<0.014	<0.014	<0.014	<0.17	<0.04
Benzo(g,h,i)perylene	**NE**	<0.015	<0.015	<0.020	<0.041	<0.015	<0.015	<0.021	<0.041	<0.015	<0.015	<2.0	<0.041	<0.015	<0.015	<0.015	<0.20	<0.04
Benzo(k)fluoranthene	**NE**	<0.013	<0.013	<0.020	<0.041	<0.013	<0.013	<0.021	<0.041	<0.013	<0.013	<2.0	<0.041	<0.013	<0.013	<0.013	<0.20	<0.04
Chrysene	**0.2**	<0.018	<0.018	<0.020	<0.041	<0.018	<0.018	<0.021	<0.041	<0.018	<0.018	<2.0	<0.041	<0.018	<0.018	<0.018	<0.20	<0.04
Dibenz(a,h)anthracene	**NE**	<0.017	<0.017	---	<0.041	<0.017	<0.017	---	<0.041	<0.017	<0.017	---	<0.041	<0.017	<0.017	<0.017	---	<0.04
Dibenzofuran	**NE**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Fluoranthene	**400**	<0.028	<0.028	<0.016	<0.041	<0.028	<0.028	<0.017	<0.041	<0.028	0.061	<1.6	0.35	<0.028	<0.028	<0.028	<0.16	<0.04
Fluorene	**400**	<0.021	<0.021	0.0097	<0.041	<0.021	<0.021	<0.0098	<0.041	<0.021	<8.4	6	3.1	<0.021	<0.021	<0.021	<0.096	<0.04
Indeno(1,2,3-cd)pyrene	**NE**	<0.014	<0.014	<0.020	<0.041	<0.014	<0.014	<0.020	<0.041	<0.014	<0.014	<2.0	<0.041	<0.014	<0.014	<0.014	<0.20	<0.04
Naphthalene	**100**	0.21	<0.027	0.28	<0.041	<0.027	<0.027	0.038	0.049	<0.027	**160**	**650**	**385**	0.47	0.38	0.32	2.9	2.4
Phenanthrene	**NE**	0.028	<0.019	<0.012	<0.041	<0.019	<0.019	<0.012	<0.041	<0.019	<7.6	9.6	4.7	0.028	<0.019	<0.019	<0.12	<0.04
Pyrene	**250**	<0.020	<0.020	<0.015	<0.041	<0.020	<0.020	<0.016	<0.041	<0.020	0.076	<1.5	0.35	<0.020	<0.020	<0.020	<0.15	<0.04

Notes:
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 Wisconsin Department of Natural Resources Groundwater Enforcement Standards for the protection of public health (NR 140, Table 1).
b. The enforcement standard is 480 ug/L for the sum of all trimethylbenzene concentrations.
c. NE means enforcement standard is not established.
d. The enforcement standard is 10,000 ug/L for the total xylene concentrations.

Table 3
Groundwater Analytical Results
2002 through 2010
Superior Water, Light and Power Former MGP
Superior, Wisconsin

Well ID	**Enforcement**	**MW-5**	**MW-5**	**MW-5**	**MW-5**	**MW-5**	**MW-5**	**MW-6**	**MW-6**	**MW-6**	**MW-6-dup**	**MW-6**	**MW-6**	**MW-6**	**MW-6**	**MW-6**	**MW-6**	**MW-7**	**MW-7**
Date	**Standard [a]**	**11/20/2001**	**2/11/2002**	**9/18/2002**	**11/17/2004**	**11/15/2005**	**8/12/2008**	**11/20/2001**	**2/11/2002**	**9/18/2002**	**9/18/2002**	**11/17/2004**	**11/16/2005**	**8/12/2008**	**7/22/2009**	**4/22/2010**	**10/20/2010**	**11/20/2001**	**2/11/2002**
VOC																			
Acetone	**1,000**	---	---	---	---	---	<10	---	---	---	---	---	---	21.9	42.1	20.6	12.2	---	---
Benzene	**5**	**6.2**	<0.45	0.99	1.2	<0.41	<1	**5**	**10**	3.1	3.1	**17**	4.6	2.1	4.5	4.1	1.7	**230,000**	**190,000**
Bromobenzene	**NE [c]**	---	---	---	---	<0.82	<1	---	---	---	---	---	<0.82	<1	<1	<1	<1	---	---
2-Butanone (MEK)	**460**	---	---	---	---	---	<4	---	---	---	---	---	---	<4	<4	<4	<4	---	---
Chloroethane	**400**	---	---	---	---	<0.97	<1	---	---	---	---	---	0.97	<1	<1	<1	<1	---	---
Chloroform	**6**	---	---	---	---	<0.37	<1	---	---	---	---	---	<0.37	<1	<1	<1	<1	---	---
Chloromethane	**3**	---	---	---	---	<0.24	<1	---	---	---	---	---	<0.48	<1	<4	<4	<4	---	---
Ethylbenzene	**700**	<0.82	<0.82	<0.53	<0.4	<0.54	<1	1.5	5.8	1.1	1.2	21	3.3	1.3	12.0	3.4	<1	**1,900**	**3,600**
Isopropylbenzene (Cumene)	**NE**	---	---	---	---	<0.59	<1	---	---	---	---	---	<0.59	<1	1.2	<1	<1	---	---
p-Isopropyltoluene	**NE**	---	---	---	---	<0.67	<1	---	---	---	---	---	<0.67	1.6	2.6	3.3	<1	---	---
Naphthalene	**100**	---	---	---	---	1.2	<4	---	---	---	---	---	26	12.7	88.2	27.1	8.1	---	---
n-Propylbenzene	**NE**	---	---	---	---	<0.81	<1	---	---	---	---	---	<0.81	<1	<1	<1	<1	---	---
Styrene	**100**	---	---	---	---	<0.86	<1	---	---	---	---	---	<0.86	<1	<1	<1	<1	---	---
Toluene	**1,000**	2.1	<0.68	<0.84	1.4	<0.67	<1	1.6	2	0.84	0.85	2.6	1.1	1.0	1.5	1.3	<1	**130,000**	**120,000**
1,2,4-Trimethylbenzene	**480[b]**	---	---	<0.69	---	<0.97	<1	---	---	0.8	0.81	---	<0.97	1.0	7.8	2.1	<1	---	---
1,3,5-Trimethylbenzene	**480**	---	---	<0.64	---	<0.83	<1	---	---	<0.64	<0.64	---	<0.83	<1	1.9	<1	<1	---	---
m&p-Xylene	**10,000[d]**	6.1	<0.77	<1.1	<0.74	<1.8	<2	2.2	2.6	<1.1	<1.1	4	<1.8	<2	2.5	<2	2.4	**14,000**	**9,500**
o-Xylene	**10,000[d]**	3	<1.7	<0.73	<0.36	<0.83	<1	1.4	2.3	<0.73	<0.73	7.6	1.2	<1	4.5	1.6	<1	**11,000**	**17,000**
PAH																			
1-Methylnaphthalene	**NE**	0.058	<0.027	0.19	0.15	0.14	---	3	5	2.5	2.1	11	4.1	---	---	---	4.1	4.7	4.1
2-Chloronaphthalene	**NE**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.15	---	---
2-Methylnaphthalene	**NE**	<0.028	<0.028	0.15	0.068	0.057	---	2.3	3.7	1.6	1.3	8	2.4	---	---	---	0.34	6.3	5.6
Acenaphthene	**NE**	3.8	0.11	0.43	0.44	0.38	0.66	4.8	5	4.5	3.9	13	5.1	5.1	8.5	5.7	0.061	1.9	2.4
Acenaphthylene	**NE**	0.16	<0.023	<0.023	<0.039	0.011	<0.041	0.26	0.22	<0.92	<0.92	0.49	<0.43	0.20	<0.040	0.20	<0.04	3.4	2.8
Anthracene	**3,000**	0.22	<0.020	0.059	0.046	0.034	<0.041	0.96	<0.80	<0.8	<0.8	0.69	<0.61	0.52	0.46	0.46	<0.04	0.75	<0.40
Benzo(a)anthracene	**NE**	0.053	<0.019	<0.019	<0.039	<0.017	<0.041	0.12	0.083	<0.76	<0.76	<0.39	<0.83	0.069	0.095	0.053	<0.04	<0.38	<0.38
Benzo(a)pyrene	**0.2**	0.023	<0.012	<0.012	<0.036	<0.019	<0.041	0.026	<0.012	<0.48	<0.48	<0.36	<0.97	<0.041	<0.040	<0.041	<0.04	<0.24	<0.24
Benzo(b)fluoranthene	**0.2**	0.022	<0.014	<0.014	<0.036	<0.017	<0.041	0.022	<0.014	<0.56	<0.56	<0.36	<0.83	<0.041	<0.040	<0.31	<0.04	<0.28	<0.28
Benzo(g,h,i)perylene	**NE**	0.017	<0.015	<0.015	<0.041	<0.020	<0.041	0.016	<0.015	<0.6	<0.6	<0.41	<1.0	<0.041	<0.040	<0.041	<0.04	<0.30	<0.30
Benzo(k)fluoranthene	**NE**	0.014	<0.013	<0.013	<0.039	<0.020	<0.041	0.018	<0.013	<0.52	<0.52	<0.39	<1.0	<0.041	<0.040	<0.041	<0.04	<0.26	<0.26
Chrysene	**0.2**	0.037	<0.018	<0.018	<0.033	<0.020	<0.041	0.095	0.081	<0.72	<0.72	<0.33	<1.0	0.095	0.086	<0.041	0.055	<0.36	<0.36
Dibenz(a,h)anthracene	**NE**	<0.017	<0.017	<0.017	<0.044	---	<0.041	<0.017	<0.017	<0.68	<0.68	<0.44	---	<0.041	<0.040	<0.041	<0.04	<0.34	<0.34
Dibenzofuran	**NE**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Fluoranthene	**400**	1.3	0.03	0.051	0.035	0.041	0.051	1.1	<1.1	<1.1	<1.1	1.6	<0.82	0.96	0.79	0.53	0.66	<0.56	<0.56
Fluorene	**400**	1.2	0.035	0.24	0.24	0.2	0.36	0.76	<0.84	<0.84	<0.84	1.6	0.5	0.83	1.2	0.92	0.52	2.2	1.7
Indeno(1,2,3-cd)pyrene	**NE**	<0.014	<0.014	<0.014	<0.034	<0.020	<0.041	<0.014	<0.014	<0.56	<0.56	<0.34	<1.0	<0.041	<0.040	<0.041	<0.04	<0.28	<0.28
Naphthalene	**100**	0.2	0.092	1.3	0.72	0.77	0.54	9.8	34	12	10	91	18	9.2	52.8	18.0	6.7	**350**	**430**
Phenanthrene	**NE**	0.42	<0.19	0.22	0.16	0.067	0.10	3.1	2.1	3.4	3.8	3.8	3.1	3.3	2.9	2.4	2.2	1.4	1.2
Pyrene	**250**	1.4	0.039	0.039	<0.033	0.033	<0.041	1.2	0.88	1.1	1.2	0.76	0.81	1.1	0.91	0.59	0.73	0.62	0.72

Notes:
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 Wisconsin Department of Natural Resources Groundwater Enforcement Standards for the protection of public health (NR 140, Table 1).
b. The enforcement standard is 480 ug/L for the sum of all trimethylbenzene concentrations.
c. NE means enforcement standard is not established.
d. The enforcement standard is 10,000 ug/L for the total xylene concentrations.

Table 3
Groundwater Analytical Results
2002 through 2010
Superior Water, Light and Power Former MGP
Superior, Wisconsin

Well ID	**Enforcement**	**MW-7-dup**	**MW-7**	**MW-7**	**MW-7**	**MW-7**	**MW-7**	**MW-7**	**MW-7 DUP**	**MW-7**	**MW-8**	**MW-8 DUP**	**MW-8**	**MW-8**	**MW-8**	**MW-8**	**MW-8**
Date	**Standard [a]**	**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**	**11/16/2004**	**11/16/2004**	**11/15/2005**	**8/13/2008**	**7/22/2009**	**4/22/2010**	**10/20/2010**
VOC																	
Acetone	**1,000**	---	---	---	---	<2,000	<10,000	<10,000	<25,000	<10,000	---	---	---	<500	<10,000	<10,000	<10,000
Benzene	**5**	**200,000**	**110,000**	**46,000**	**110,000**	**156,000**	**198,000**	**242,000**	**197,000**	**117,000**	**74,000**	**72,000**	**73,000**	**122,000**	**109,000**	**152,000**	**103,000**
Bromobenzene	**NE [c]**	---	---	---	<820	<200	<1000	<1000	<2,500	<1,000	---	---	<510	<50	<1000	<1000	<1000
2-Butanone (MEK)	**460**	---	---	---	---	<800	<4000	<4000	<10,000	<4,000	---	---	---	<200	<4000	<4000	<4000
Chloroethane	**400**	---	---	---	<970	<200	<1000	<1000	<2,500	<1,000	---	---	<610	<50	<1000	<1000	<1000
Chloroform	**6**	---	---	---	<370	<200	<1000	<1000	<2,500	<1,000	---	---	<230	<50	<1000	<1000	<1000
Chloromethane	**3**	---	---	---	<240	<200	<4000	<4000	<10,000	<4,000	---	---	<150	<50	<4000	<4000	<4000
Ethylbenzene	**700**	**3,700**	**6,100**	**2,100**	**3,600**	**4,760**	**4,280**	**4,750**	**4,350**	**4,400**	**980**	**880**	510	**1,220**	**1,100**	**1,700**	**1,070**
Isopropylbenzene (Cumene)	**NE**	---	---	---	<590	<200	<1000	<1000	<2,500	<1,000	---	---	<370	<50	<1000	<1000	<1000
p-Isopropyltoluene	**NE**	---	---	---	<670	<200	<1000	<1000	<2,500	<1,000	---	---	<420	<50	<1000	<1000	<1000
Naphthalene	**100**	---	---	---	<740	<800	<4000	<4000	<10,000	<4,000	---	---	**680**	**776**	<4000	<4000	<4000
n-Propylbenzene	**NE**	---	---	---	<810	<200	<1000	<1000	<2,500	<1,000	---	---	<510	<50	<1000	<1000	<1000
Styrene	**100**	---	---	---	<860	**428**	**1,350**	**1,310**	<2,500	<1,000	---	---	**2,000**	**5,300**	**4,010**	**5,210**	**2,590**
Toluene	**1,000**	**120,000**	**64,000**	**15,000**	**57,000**	**64,500**	**116,000**	**144,000**	**104,000**	**49,400**	**51,000**	**48,000**	**51,000**	**80,200**	**79,800**	**112,000**	**75,100**
1,2,4-Trimethylbenzene	**480 [b]**	---	**770**	---	<970	**652**	<1000	<1000	<2,500	<1,000	---	---	<610	**694**	<1000	**1,050**	<1000
1,3,5-Trimethylbenzene	**480**	---	<640	---	<830	**369**	<1000	<1000	<2,500	<1,000	---	---	<520	**378**	<1000	<1000	<1000
m&p-Xylene	**10,000 [d]**	**10,000**	**18,000**	5,400	**12,000**	**14,500**	**17,400**	**18,000**	**15,300**	**11,800**	**14,000**	**12,000**	**9,900**	**18,800**	**16,800**	**19,400**	**16,600**
o-Xylene	**10,000 [d]**	**17,000**	**4,800**	1,600	**2,500**	**3,960**	**4,910**	**4,760**	**4,380**	**3,060**	**6,500**	**5,600**	**2,200**	**4,720**	**3,850**	**4,590**	**4,110**
PAH																	
1-Methylnaphthalene	**NE**	3.8	10	<8.1	6.2	---	---	---	---	---	690	3300	61	---	---	---	---
2-Chloronaphthalene	**NE**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2-Methylnaphthalene	**NE**	5.2	13	<9.1	8.4	---	---	---	---	---	830	3900	44	---	---	---	---
Acenaphthene	**NE**	2	5.4	<7.8	3.1	3.1	3.8	3.5	3.8	5	1000	5200	37	55.7	61.6	65.7	70.2
Acenaphthylene	**NE**	2.5	<4.6	<7.8	1.3	1.3	1.9	1.8	1.9	1.8	130	<770	4.7	9.3	9.5	10.4	9.5
Anthracene	**3,000**	<0.40	<4	<7.1	<1.3	0.66	0.62	0.68	0.79	0.69	520	2800	7.9	6.5	5.7	6.5	6.7
Benzo(a)anthracene	**NE**	<0.38	<3.8	<7.9	<1.7	0.23	0.19	0.20	0.25	0.12	300	1600	<1.7	0.53	0.41	0.62	0.38
Benzo(a)pyrene	**0.2**	<0.24	<2.4	<7.3	<2.0	**0.32**	**0.21**	**0.26**	**0.32**	0.14	**230**	**1,200**	<1.9	**0.24**	0.12	**0.24**	0.13
Benzo(b)fluoranthene	**0.2**	<0.28	<2.8	<7.2	<1.7	**0.33**	**0.31**	**0.30**	**0.33**	0.13	<110	<720	<1.7	**0.21**	**0.25**	<0.30	0.12
Benzo(g,h,i)perylene	**NE**	<0.30	<3	<8.3	<2.1	0.28	0.32	0.13	0.29	0.12	<130	<830	<2.0	0.11	0.23	0.062	0.059
Benzo(k)fluoranthene	**NE**	<0.26	<2.6	<7.8	<2.1	0.13	0.088	0.11	0.11	0.046	140	<770	<2.0	0.12	0.047	0.092	0.041
Chrysene	**0.2**	<0.36	<3.6	<6.6	<2.1	**0.32**	**0.20**	**0.21**	**0.26**	0.14	**290**	**1,600**	<2.0	**0.52**	**0.35**	**0.42**	**0.33**
Dibenz(a,h)anthracene	**NE**	<0.34	<3.4	<8.9	---	0.043	<0.041	<0.041	<0.041	<0.04	<140	<880	---	<0.041	<0.041	<0.041	<0.04
Dibenzofuran	**NE**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Fluoranthene	**400**	<0.56	<5.6	<6.7	<1.7	1.2	0.78	0.80	0.99	0.87	**790**	**4,400**	6.6	5.1	4.4	4.5	4.4
Fluorene	**400**	1.7	<4.2	<8.8	1.7	2.1	2.2	2.4	2.5	2.4	**410**	**2,100**	11	17.7	18.6	19.7	20.4
Indeno(1,2,3-cd)pyrene	**NE**	<0.28	<2.8	<6.9	<2.1	0.19	0.12	0.099	0.18	0.081	<110	<680	<2.0	0.076	<0.041	0.046	0.04
Naphthalene	**100**	**290**	**490**	**180**	**330**	**238**	**354**	**376**	**400**	**409**	**1,400**	**4,700**	**380**	**512**	**541**	**702**	**676**
Phenanthrene	**NE**	1.3	6.7	<8.2	3.2	3.2	2.5	3.0	3.5	3.0	1900	10000	35	29.9	32.8	28.6	30
Pyrene	**250**	0.74	<4	<6.6	<1.6	1.6	1.1	1.0	1.2	1.2	**1,000**	**5,300**	8.6	5.7	5.9	5.3	5

Notes:
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 Wisconsin Department of Natural Resources Groundwater Enforcement Standards for the protection of public health (NR 140, Table 1).
b. The enforcement standard is 480 ug/L for the sum of all trimethylbenzene concentrations.
c. NE means enforcement standard is not established.
d. The enforcement standard is 10,000 ug/L for the total xylene concentrations.

Table 3
Groundwater Analytical Results
2002 through 2010
Superior Water, Light and Power Former MGP
Superior, Wisconsin

Well ID	**Enforcement**	**MW-9**	**MW-9**	**MW-9**	**MW-9**	**MW-9**	**MW-9**	**MW-10**	**MW-10**	**MW-10**	**MW-10 DUP**	**MW-10**	**MW-10 DUP**	**MW-10**	**MW-10**	**MW-10 DUP**	**MW-11**	**MW-11**	**MW-11 FD**
Date	**Standard [a]**	**11/16/2004**	**11/15/2005**	**8/13/2008**	**7/22/2009**	**4/22/2010**	**10/20/2010**	**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**	**11/16/2004**	**11/15/2005**	**11/15/2005**
VOC																			
Acetone	**1,000**	---	---	<2,500	<2,500	<1,000	<1,000	---	---	<500	<500	<20	<20	<20	<500	<500	---	---	---
Benzene	**5**	**54,000**	**29,000**	**24,700**	**20,600**	**8,990**	**16,900**	**9,900**	**13,000**	**7,160**	**7,840**	**270**	**252**	**6,010**	**6,890**	**7,290**	0.95	1.4	1.4
Bromobenzene	**NE [c]**	---	<200	<250	<250	<100	<100	---	<100	<50	<50	<2.0	<2.0	<2.0	<50	<50	---	<0.82	<0.82
2-Butanone (MEK)	**460**	---	---	<1,000	<1,000	<400	<400	---	---	<200	<200	<8.0	<8.0	<8.0	<200	<200	---	---	---
Chloroethane	**400**	---	<240	<250	<250	<100	<100	---	<120	<50	<50	<2.0	<2.0	<2.0	<50	<50	---	<0.97	<0.97
Chloroform	**6**	---	<92	<250	<250	<100	<100	---	<46	<50	<50	<2.0	<2.0	<2.0	<50	<50	---	<0.37	<0.37
Chloromethane	**3**	---	<60	<250	<1,000	<400	<400	---	<30	<50	<50	<8.0	<8.0	<8.0	<200	<200	---	0.25	<0.24
Ethylbenzene	**700**	**870**	530	565	449	266	235	340	240	158	199	6.1	6.9	206	150	154	0.56	0.91	1.0
Isopropylbenzene (Cumene)	**NE**	---	<150	<250	<250	<100	<100	---	<74	<50	<50	<2.0	<2.0	5.2	<50	<50	---	<0.59	<0.59
p-Isopropyltoluene	**NE**	---	<170	<250	<250	<100	<100	---	<84	<50	<50	<2.0	<2.0	8.3	<50	<50	---	<0.67	<0.67
Naphthalene	**100**	---	**340**	<1,000	<1,000	<400	<400	---	**240**	<200	<200	<8.0	<8.0	**117**	<200	<200	---	29	33
n-Propylbenzene	**NE**	---	<200	<250	<250	<100	<100	---	<100	<50	<50	<2.0	<2.0	<2.0	<50	<50	---	<0.81	<0.81
Styrene	**100**	---	<220	<250	<250	<100	<100	---	<110	<50	<50	<2.0	<2.0	44.1	<50	<50	---	<0.86	<0.86
Toluene	**1,000**	**13,000**	**6,700**	**1,850**	**2,170**	**1,310**	571	34	**5,100**	333	**1,280**	18.4	19.9	**1,600**	**1,300**	**1,450**	<3.6	<0.67	<0.67
1,2,4-Trimethylbenzene	**480[b]**	---	<240	<250	<250	<100	<100	---	<120	<50	55.2	2.0	<2.0	36.7	<50	<50	---	<2.9	<3.0
1,3,5-Trimethylbenzene	**480**	---	<210	<250	<250	<100	<100	---	<100	<50	<50	<2.0	<2.0	13.6	<50	<50	---	<0.83	<0.83
m&p-Xylene	**10,000[d]**	2,700	2,200	673	800	578	440	<37	770	<100	262	7.7	7.9	655	381	440	1.70	<1.8	<1.8
o-Xylene	**10,000[d]**	780	420	<250	<250	164	111	100	180	64.1	120	3.6	3.6	172	119	130	3.90	1.4	1.5
PAH																			
1-Methylnaphthalene	**NE**	100	42	---	---	---	---	84	41	---	---	---	---	---	---	---	10	9.4	9.9
2-Chloronaphthalene	**NE**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2-Methylnaphthalene	**NE**	110	44	---	---	---	---	5	18	---	---	---	---	---	---	---	1.3	1.2	1.2
Acenaphthene	**NE**	100	39	49.9	40.9	49.9	30.8	75	38	44.0	40.2	2.4	2.8	35.1	47.3	48.4	8.4	8.7	9.6
Acenaphthylene	**NE**	<19	1.6	1.1	<0.82	1.2	0.046	<1.9	2.9	0.90	0.88	<0.042	0.082	0.99	0.6	0.83	<0.39	0.1	0.11
Anthracene	**3,000**	<18	8.4	4.7	5.8	5.8	4.3	4.1	8.6	1.6	1.7	0.19	0.22	2.1	2.1	2.9	<0.35	0.12	0.13
Benzo(a)anthracene	**NE**	<20	<1.7	0.75	<0.82	0.71	0.54	<2.0	3.9	1.1	1.1	0.11	0.11	0.46	0.55	0.41	<0.39	0.017	0.018
Benzo(a)pyrene	**0.2**	<18	<1.9	**0.38**	<0.82	**0.34**	**0.29**	<1.8	**2.7**	**1.1**	**0.98**	0.11	0.10	**0.31**	**0.51**	**0.29**	<0.36	0.019	<0.019
Benzo(b)fluoranthene	**0.2**	<18	<1.7	**0.34**	<0.82	**0.31**	**0.25**	<1.8	<1.7	**0.91**	**0.86**	**0.23**	**0.22**	<0.30	**0.37**	**0.22**	<0.36	<0.017	<0.017
Benzo(g,h,i)perylene	**NE**	<21	<2.0	0.18	<0.82	0.089	0.13	<2.1	<2.0	0.66	0.61	0.25	0.24	0.088	0.27	0.15	<0.41	<0.020	<0.020
Benzo(k)fluoranthene	**NE**	<19	<2.0	0.14	<0.82	0.13	0.085	<1.9	<2.0	0.40	0.36	<0.042	<0.040	0.12	0.15	0.089	<0.39	<0.020	<0.020
Chrysene	**0.2**	<16	<2.0	**0.64**	<0.82	**0.48**	**0.46**	<1.6	**4.5**	**1.2**	**1.1**	0.097	0.11	**0.36**	**0.54**	**0.39**	<0.33	<0.020	<0.020
Dibenz(a,h)anthracene	**NE**	<22	---	<0.041	<0.82	<0.041	<0.04	<2.2	---	<0.041	<0.041	<0.042	<0.040	<0.040	0.067	<0.04	<0.44	---	---
Dibenzofuran	**NE**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Fluoranthene	**400**	<16	4.8	3.9	3.1	3.7	3.2	5.3	11	3.5	3.2	0.26	0.27	1.6	2.6	2.3	<0.33	<0.059	0.059
Fluorene	**400**	31	12	13.7	10.8	16.8	8.9	18	11	9.5	9.1	0.55	0.66	8.5	11.6	10.9	1.2	0.73	0.79
Indeno(1,2,3-cd)pyrene	**NE**	<17	<2.0	0.13	<0.82	0.071	0.094	<1.7	<2.0	0.47	0.43	0.048	0.048	0.069	0.18	0.1	<0.34	<0.020	<0.020
Naphthalene	**100**	**310**	**160**	**108**	**132**	**100**	35.9	36	**110**	30.9	32.6	1.9	2.2	73.1	66.4	61.6	19	17	18
Phenanthrene	**NE**	78	33	26.7	23.5	30.6	30.1	31	30	13.6	12.2	0.61	0.77	9.4	12.6	13.4	1.0	0.39	0.46
Pyrene	**250**	<16	6.3	5.0	4.2	4.8	4.1	6.1	15	4.6	4.3	0.37	0.40	2.0	3.5	3.1	<0.33	0.085	0.089

Notes:
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 Wisconsin Department of Natural Resources Groundwater Enforcement Standards for the protection of public health (NR 140, Table 1).
b. The enforcement standard is 480 ug/L for the sum of all trimethylbenzene concentrations.
c. NE means enforcement standard is not established.
d. The enforcement standard is 10,000 ug/L for the total xylene concentrations.

Table 3
Groundwater Analytical Results
2002 through 2010
Superior Water, Light and Power Former MGP
Superior, Wisconsin

Well ID	**Enforcement**	**MW-11**	**MW-11**	**MW-11**	**MW-11**	**MW-12**	**MW-12**	**MW-12**	**MW-13**	**MW-13**	**MW-13**	**MW-14**	**MW-14**	**MW-14**	**MW-15**	**MW-15 FD**	**MW-15**	**MW-15**	**MW-15 DUP**	**MW-15**
Date	**Standard [a]**	**8/12/2008**	**7/22/2009**	**4/22/2010**	**10/20/2010**	**11/16/2004**	**11/14/2005**	**8/12/2008**	**11/15/2005**	**10/24/2006**	**8/13/2008**	**11/16/2005**	**10/24/2006**	**8/12/2008**	**11/14/2005**	**11/14/2005**	**10/24/2006**	**8/12/2008**	**8/12/2008**	**7/22/2009**
VOC																				
Acetone	**1,000**	<10	<10	<10	<10	---	---	<10	---	<5.0	<10	---	<5.0	<10	---	---	<5.0	<10	<10	<10
Benzene	**5**	2.5	3.4	<1	<1	**4,000**	**4,100**	**1,730**	3.8	<1.0	<1	<0.41	<1.0	<1	**23**	**21**	**23.2**	**51.5**	**48.6**	**50.7**
Bromobenzene	**NE [c]**	<1	<1	<1	<1	---	<20	<1	<0.82	<1.0	<1	<0.82	<1.0	<1	<0.82	<0.82	<1.0	<1	<1	<1
2-Butanone (MEK)	**460**	<4	<4	<4	<4	---	---	<4	---	<5.0	<4	---	<5.0	<4	---	---	<5.0	<4	<4	<4
Chloroethane	**400**	<1	<1	<1	<1	---	<24	<1	<0.97	<1.0	<1	<0.97	<1.0	<1	<0.97	<0.97	<1.0	<1	<1	<1
Chloroform	**6**	<1	<1	<1	<1	---	<9.2	<1	<0.37	<1.0	<1	<0.37	<1.0	<1	<0.37	<0.37	<1.0	<1	<1	<1
Chloromethane	**3**	<1	<4	<4	<4	---	<6.0	<1	0.6	<1.0	<1	0.56	<1.0	<1	<0.24	<0.24	<1.0	<1	1.1	<4
Ethylbenzene	**700**	1.2	3.5	<1	<1	<10	<14	3.3	<0.54	<1.0	<1	<0.54	<1.0	<1	6.8	5	5	<1	<1	4.7
Isopropylbenzene (Cumene)	**NE**	<1	<1	<1	<1	---	<15	1.8	<0.59	<1.0	<1	<0.59	<1.0	<1	4.3	4	4.4	1.0	1.0	3.1
p-Isopropyltoluene	**NE**	<1	<1	<1	<1	---	<17	<1	<0.67	<1.0	<1	<0.67	<1.0	<1	<0.67	<0.67	<1.0	<1	<1	<1
Naphthalene	**100**	25.1	13.8	<4	<4	---	<18	<4	<0.74	<1.0	<4	0.93	<1.0	<4	**110**	90	79.7	4.9	5.0	63.4
n-Propylbenzene	**NE**	<1	<1	<1	<1	---	<20	<1	<0.81	<1.0	<1	<0.81	<1.0	<1	1.6	1.4	1.5	<1	<1	1.0
Styrene	**100**	<1	<1	<1	<1	---	<22	<1	<0.86	<1.0	<1	<0.86	<1.0	<1	<0.86	<0.86	<1.0	<1	<1	<1
Toluene	**1,000**	1.1	<1	<1	<1	<8.9	<17	<1	<0.67	<1.0	<1	<0.67	<1.0	<1	<0.67	<0.67	<1.0	<1	<1	<1
1,2,4-Trimethylbenzene	**480[b]**	1.7	3.0	<1	<1	---	<24	5.5	<0.97	<1.0	<1	<0.97	<1.0	<1	25	23	17.7	1.6	1.7	14.0
1,3,5-Trimethylbenzene	**480**	<1	<1	<1	<1	---	<21	<1	<0.83	<1.0	<1	<0.83	<1.0	<1	3.6	2.9	1.7	<1	<1	<1
m&p-Xylene	**10,000[d]**	<2	<2	<2	<2	<19	<45	<2	<1.8	<2.0	<2	<1.8	<2.0	<2	<1.8	<1.8	<2.0	<2	<2	<2
o-Xylene	**10,000[d]**	1.5	1.8	<1	<1	<9	<21	1.3	<0.83	<1.0	<1	<0.83	<1.0	<1	2.8	2.2	2.4	1.1	1.1	2.3
PAH																				
1-Methylnaphthalene	**NE**	---	---	---	---	53	43	---	0.055	<0.04	---	<0.011	<0.04	---	45	57	38.4	---	---	---
2-Chloronaphthalene	**NE**	---	---	---	---	---	---	---	---	<0.04	---	---	<0.04	---	---	---	0.075	---	---	---
2-Methylnaphthalene	**NE**	---	---	---	---	12	1.8	---	0.045	<0.04	---	<0.012	<0.04	---	17	20	9.4	---	---	---
Acenaphthene	**NE**	9.9	11.2	4.4	4.4	51	46	39.0	<0.0086	<0.04	<0.04	<0.0086	<0.04	<0.04	43	51	49.6	52.4	49.9	56.2
Acenaphthylene	**NE**	0.15	<0.041	<0.041	<0.040	<3.1	<0.86	0.39	<0.0086	<0.04	<0.04	<0.0086	<0.04	<0.04	<1.7	0.71	<0.04	0.88	0.74	<0.042
Anthracene	**3,000**	0.12	0.14	0.071	0.044	3.9	4.0	2.6	<0.012	<0.04	<0.04	<0.012	<0.04	<0.04	3.5	4.2	2.8	0.85	0.89	1.5
Benzo(a)anthracene	**NE**	<0.041	<0.041	<0.041	<0.040	<3.1	<1.7	0.076	<0.017	<0.04	<0.04	<0.017	<0.04	<0.04	0.27	<0.33	0.23	0.18	0.18	0.16
Benzo(a)pyrene	**0.2**	<0.041	0.044	<0.041	<0.040	<2.9	<1.9	<0.041	<0.019	<0.04	<0.04	<0.019	<0.04	<0.04	0.11	<0.39	<0.04	0.053	0.047	<0.042
Benzo(b)fluoranthene	**0.2**	<0.041	<0.041	<0.31	<0.040	<2.9	<1.7	<0.041	<0.017	<0.04	<0.04	<0.017	<0.04	<0.04	0.054	<0.33	0.16	0.049	0.048	<0.042
Benzo(g,h,i)perylene	**NE**	<0.041	<0.041	<0.041	<0.040	<3.3	<2.0	<0.041	<0.020	<0.04	<0.04	<0.020	<0.04	<0.04	0.054	<0.41	<0.04	<0.041	<0.041	<0.042
Benzo(k)fluoranthene	**NE**	<0.041	<0.041	<0.041	<0.040	<3.1	<2.0	<0.041	<0.020	<0.04	<0.04	<0.020	<0.04	<0.04	0.063	<0.41	<0.04	<0.041	<0.041	<0.042
Chrysene	**0.2**	<0.041	<0.041	<0.041	<0.040	<2.6	<2.0	0.11	<0.020	<0.04	<0.04	<0.020	<0.04	<0.04	**0.22**	<0.40	0.19	**0.21**	**0.20**	0.14
Dibenz(a,h)anthracene	**NE**	<0.041	<0.041	<0.041	<0.040	<3.5	---	<0.041	---	---	<0.04	---	---	<0.04	---	---	---	<0.041	<0.041	<0.042
Dibenzofuran	**NE**	---	---	---	---	---	---	---	---	<0.04	---	---	<0.04	---	---	---	0.61	---	---	---
Fluoranthene	**400**	0.044	0.12	<0.041	<0.040	3	<1.6	1.3	<0.016	<0.04	<0.04	<0.016	0.057	<0.04	<3.3	2.2	1.9	1.5	1.5	1.0
Fluorene	**400**	2.4	1.8	0.78	0.69	11	8.7	9.8	0.014	<0.04	<0.04	<0.0096	<0.04	<0.04	7.3	10	10.2	9.9	9.6	10.6
Indeno(1,2,3-cd)pyrene	**NE**	<0.041	<0.041	<0.041	<0.040	<2.7	2.0	<0.041	<0.020	<0.04	<0.04	<0.020	<0.04	<0.04	0.037	<0.40	<0.04	<0.041	<0.041	<0.042
Naphthalene	**100**	13.9	7.1	0.92	0.64	13	<4.9	1.1	0.34	<0.04	<0.04	0.023	<0.04	0.056	83	93	49.8	2.8	2.8	39.4
Phenanthrene	**NE**	0.9	0.87	0.23	0.31	18	<15	14.6	0.022	<0.04	<0.04	<0.012	0.073	<0.04	16	22	14.9	7.6	7.8	10.2
Pyrene	**250**	0.049	0.14	0.043	0.042	3.5	<1.8	1.4	<0.015	<0.04	<0.04	<0.015	0.068	<0.04	<3.1	2.6	2.5	1.6	1.7	1.2

Notes:
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 Wisconsin Department of Natural Resources Groundwater Enforcement Standards for the protection of public health (NR 140, Table 1).
b. The enforcement standard is 480 ug/L for the sum of all trimethylbenzene concentrations.
c. NE means enforcement standard is not established.
d. The enforcement standard is 10,000 ug/L for the total xylene concentrations.

Table 3
Groundwater Analytical Results
2002 through 2010
Superior Water, Light and Power Former MGP
Superior, Wisconsin

Well ID	**Enforcement**	**MW-15**	**MW-15**	**MW-16**	**MW-16**	**MW-16**	**MW-16**	**MW-17**	**MW-17**	**MW-17**	**MW-18**	**MW-18**	**MW-18**	**MW-18**	**MW-19**	**MW-19**	**MW-19**	**MW-20**	**MW-20**	**MW-20**
Date	**Standard [a]**	**4/21/2010**	**10/20/2010**	**11/15/2005**	**10/24/2006**	**8/12/2008**	**4/21/2010**	**11/15/2005**	**10/24/2006**	**8/13/2008**	**11/15/2005**	**10/24/2006**	**8/13/2008**	**10/21/2010**	**11/14/2005**	**10/24/2006**	**8/12/2008**	**11/14/2005**	**10/24/2006**	**8/13/2008**
VOC																				
Acetone	**1,000**	<10	<10	---	<5.0	<10	<10	---	<5.0	<10	---	110	99.6	134	---	<5.0	<10	---	<5.0	<100
Benzene	**5**	**15.7**	**44.3**	<0.41	<1.0	<1	<1	<0.41	<1.0	<1	4.1	4.1	3.5	3.6	<0.41	<1.0	<1	**3,800**	**5,830**	**16,000**
Bromobenzene	**NE [c]**	<1	<1	<0.82	<1.0	<1	<1	<0.82	<1.0	<1	<0.82	<1.0	<1	<1	<0.82	<1.0	<1	<41	<1.0	<10
2-Butanone (MEK)	**460**	<4	<4	---	<5.0	<4	<4	---	<5.0	<4	---	<5.0	<4	<4	---	<5.0	<4	---	<5.0	<40
Chloroethane	**400**	<1	<1	<0.97	<1.0	<1	<1	<0.97	<1.0	<1	<0.97	<1.0	<1	<1	<0.97	<1.0	<1	<48	<1.0	<10
Chloroform	**6**	<1	<1	<0.37	<1.0	<1	<1	<0.37	<1.0	<1	<0.37	<1.0	<1	<1	<0.37	<1.0	<1	<18	<1.0	<10
Chloromethane	**3**	<4	<4	0.53	<1.0	**37.7**	<4.0	<0.24	<1.0	<1	0.33	<1.0	**3.9**	<1	<0.24	<1.0	<1	<12	<1.0	<10
Ethylbenzene	**700**	<1	<1	<0.54	<1.0	<1	<1	<0.54	<1.0	<1	<0.54	<1.0	<1	<1	<0.54	<1.0	<1	43	10.1	30.4
Isopropylbenzene (Cumene)	**NE**	<1	<1	<0.59	<1.0	<1	<1	<0.59	<1.0	<1	<0.59	<1.0	<1	<1	<0.59	<1.0	<1	<30	6.7	<10
p-Isopropyltoluene	**NE**	<1	<1	<0.67	<1.0	<1	<1	<0.67	<1.0	<1	<0.67	<1.0	<1	<1	<0.67	<1.0	<1	<34	<1.0	<10
Naphthalene	**100**	11.4	7.2	<0.74	<1.0	<4	<4	<0.74	<1.0	<4	0.89	<1.0	<4	<4	<0.74	<1.0	<4	**280**	41.1	<40
n-Propylbenzene	**NE**	<1	<1	<0.81	<1.0	<1	<1	<0.81	<1.0	<1	<0.81	<1.0	<1	<1	<0.81	<1.0	<1	<40	3.1	<10
Styrene	**100**	<1	<1	<0.86	<1.0	<1	<1	<0.86	<1.0	<1	<0.86	<1.0	<1	<1	<0.86	<1.0	<1	<43	<1.0	<10
Toluene	**1,000**	<1	<1	<0.67	<1.0	<1	<1	<0.67	<1.0	<1	3.2	1.1	1.1	<1	<0.67	<1.0	<1	<34	<1.0	<10
1,2,4-Trimethylbenzene	**480[b]**	2.4	1.7	<0.97	<1.0	<1	<1	<0.97	<1.0	<1	<0.97	<1.0	<1	<1	<0.97	<1.0	<1	<48	31	18.6
1,3,5-Trimethylbenzene	**480**	<1	<1	<0.83	<1.0	<1	<1	<0.83	<1.0	<1	<0.83	<1.0	<1	<1	<0.83	<1.0	<1	<42	1.3	<10
m&p-Xylene	**10,000[d]**	<2	2.3	<1.8	<2.0	<2	<2	<1.8	<2.0	<2	<1.8	<2.0	<2	<2	<1.8	<2.0	<2	<90	<1.0	<20
o-Xylene	**10,000[d]**	<1	<1	<0.83	<1.0	<1	<1	<0.83	<1.0	<1	<0.83	<1.0	<1	<1	<0.83	<1.0	<1	<42	12.6	20.0
PAH																				
1-Methylnaphthalene	**NE**	---	---	0.074	<0.04	---	---	<0.011	<0.04	---	0.17	0.22	---	---	0.04	<0.04	---	18	29.5	---
2-Chloronaphthalene	**NE**	---	---	---	<0.04	---	---	---	<0.04	---	---	<0.04	---	---	---	<0.04	---	---	<0.04	---
2-Methylnaphthalene	**NE**	---	---	0.047	<0.04	---	---	<0.012	<0.04	---	0.13	0.18	---	---	0.025	<0.04	---	1.4	1.5	---
Acenaphthene	**NE**	89.7	97	0.042	<0.04	0.040	<0.041	0.017	0.056	<0.041	0.09	0.1	<0.041	<0.04	0.045	<0.04	<0.041	14	27.1	55.4
Acenaphthylene	**NE**	2.1	1.5	<0.0086	<0.04	<0.04	<0.041	<0.0086	<0.04	<0.041	0.013	<0.04	<0.041	<0.04	<0.0086	<0.04	<0.041	<0.86	<0.04	<0.04
Anthracene	**3,000**	1.0	1.1	0.023	<0.04	<0.04	<0.041	0.015	<0.04	<0.041	0.049	0.072	<0.041	<0.04	0.015	<0.04	<0.041	<1.2	0.2	0.17
Benzo(a)anthracene	**NE**	0.19	0.15	0.027	0.049	<0.04	<0.041	<0.017	<0.04	<0.041	0.044	0.047	<0.041	<0.04	<0.017	<0.04	<0.041	<1.7	<0.04	<0.04
Benzo(a)pyrene	**0.2**	0.061	<0.04	0.021	<0.04	<0.04	<0.041	<0.019	<0.04	<0.041	0.026	<0.04	<0.041	<0.04	<0.019	<0.04	<0.041	<1.9	<0.04	<0.04
Benzo(b)fluoranthene	**0.2**	<0.31	<0.04	<0.017	0.17	<0.04	<0.31	<0.017	<0.04	<0.041	0.019	0.15	<0.041	<0.04	<0.017	<0.04	<0.041	<1.7	<0.04	<0.04
Benzo(g,h,i)perylene	**NE**	<0.041	<0.04	<0.020	0.26	<0.04	<0.041	<0.020	<0.04	<0.041	<0.020	<0.04	<0.041	<0.04	<0.020	<0.04	<0.041	<2.0	<0.04	<0.04
Benzo(k)fluoranthene	**NE**	<0.041	<0.04	<0.020	<0.04	<0.04	<0.041	<0.020	<0.04	<0.041	<0.020	<0.04	<0.041	<0.04	<0.020	<0.04	<0.041	<2.0	<0.04	<0.04
Chrysene	**0.2**	0.17	0.13	0.024	0.044	<0.04	<0.041	<0.020	<0.04	<0.041	0.044	<0.04	<0.041	<0.04	<0.020	<0.04	<0.041	<2.0	<0.04	<0.04
Dibenz(a,h)anthracene	**NE**	<0.041	<0.04	---	---	<0.04	<0.041	---	---	<0.041	---	---	<0.041	<0.04	---	---	<0.041	---	---	<0.04
Dibenzofuran	**NE**	---	---	---	<0.04	---	---	---	<0.04	---	---	0.042	---	---	---	<0.04	---	---	0.19	---
Fluoranthene	**400**	1.3	1.3	0.035	0.097	<0.04	<0.041	0.023	<0.04	<0.041	0.09	0.18	0.064	0.043	0.021	<0.04	<0.041	<1.6	0.34	0.25
Fluorene	**400**	16.5	15.8	0.015	<0.04	<0.04	<0.041	<0.0096	<0.04	<0.041	0.059	0.064	<0.041	<0.04	0.012	<0.04	<0.041	<0.96	3.3	3.5
Indeno(1,2,3-cd)pyrene	**NE**	<0.041	<0.04	<0.020	<0.04	<0.04	<0.041	<0.020	<0.04	<0.041	<0.020	<0.04	<0.041	<0.04	<0.020	<0.04	<0.041	<2.0	<0.04	<0.04
Naphthalene	**100**	7.0	5.7	0.36	<0.04	<0.04	<0.041	0.029	<0.04	0.051	0.13	0.21	0.21	0.15	0.097	<0.04	<0.041	**130**	21.4	28.6
Phenanthrene	**NE**	7.5	5.6	0.054	0.075	<0.04	<0.041	0.052	0.07	<0.041	0.21	0.43	0.086	0.063	0.036	<0.04	<0.041	<1.2	1.2	0.95
Pyrene	**250**	1.3	1.4	0.059	0.079	<0.04	<0.041	0.037	<0.04	<0.041	0.16	0.21	0.077	0.05	0.026	<0.04	<0.041	<1.5	0.29	0.19

Notes:
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 Wisconsin Department of Natural Resources Groundwater Enforcement Standards for the protection of public health (NR 140, Table 1).
b. The enforcement standard is 480 ug/L for the sum of all trimethylbenzene concentrations.
c. NE means enforcement standard is not established.
d. The enforcement standard is 10,000 ug/L for the total xylene concentrations.

Table 3
Groundwater Analytical Results
2002 through 2010
Superior Water, Light and Power Former MGP
Superior, Wisconsin

Well ID	**Enforcement**	**MW-20**	**MW-20**	**MW-20**	**MW-21**	**MW-21**	**MW-21**	**MW-22**	**MW-22**	**MW-22**	**MW-22**	**MW-22**	**MW-22**
Date	**Standard [a]**	**7/22/2009**	**4/21/2010**	**10/20/2010**	**11/15/2005**	**10/24/2006**	**8/13/2008**	**11/15/2005**	**10/24/2006**	**8/13/2008**	**7/22/2009**	**4/22/2010**	**10/28/2010**
VOC													
Acetone	**1,000**	<250	<50	<20	---	<5.0	<10	---	171	195	145	139	140
Benzene	**5**	**2,770**	**378**	**15,500**	<0.41	<1.0	<1	**10**	**6.4**	**10.7**	**5.4**	**5.3**	4.0
Bromobenzene	**NE [c]**	<25	<5	<2	<0.82	<1.0	<1	<0.82	<1.0	<1	<1	<1	<1
2-Butanone (MEK)	**460**	<100	<20	<8	---	<5.0	<4	---	10.5	9.5	10.0	11.4	8.8
Chloroethane	**400**	<25	<5	<2	<0.97	<1.0	<1	<0.97	<1.0	<1	<1	<1	<1
Chloroform	**6**	<25	<5	<2	0.39	<1.0	<1	<0.37	1.1	<1	<1	<1	<1
Chloromethane	**3**	<100	<5	<2	<0.24	<1.0	**3.6**	0.48	<1.0	<1	**4.1**	<4	<4
Ethylbenzene	**700**	<25	<5	42	<0.54	<1.0	<1	<0.54	<1.0	<1	<1	<1	<1
Isopropylbenzene (Cumene)	**NE**	<25	<20	8.3	<0.59	<1.0	<1	<0.59	<1.0	<1	<1	1.4	1.1
p-Isopropyltoluene	**NE**	<25	<5	<2	<0.67	<1.0	<1	<0.67	2.3	2.8	<1	2.7	1.4
Naphthalene	**100**	<100	<20	65.9	<0.74	<1.0	<4	2.7	2.9	<4	<4	<4	<4
n-Propylbenzene	**NE**	<25	<5	3.7	<0.81	<1.0	<1	<0.81	<1.0	<1	<1	<1	<1
Styrene	**100**	<25	<5	<2	<0.86	<1.0	<1	<0.86	<1.0	<1	<1	<1	<1
Toluene	**1,000**	<25	<5	<2	<0.67	<1.0	<1	1.5	1.8	1.9	1.8	1.7	1.3
1,2,4-Trimethylbenzene	**480[b]**	<25	7.8	38.4	<0.97	<1.0	<1	<0.97	<1.0	<1	<1	8.6	7.7
1,3,5-Trimethylbenzene	**480**	<25	<5	<2	<0.83	<1.0	<1	<0.83	<1.0	<1	<1	4.8	4.4
m&p-Xylene	**10,000[d]**	<50	<10	4.9	<1.8	<2.0	<2	<1.8	<2.0	<2	<2	<2	<2
o-Xylene	**10,000[d]**	<25	<5	39.3	<0.83	<1.0	<1	<0.83	<1.0	<1	<1	2.5	1.8
PAH													
1-Methylnaphthalene	**NE**	---	---	---	0.02	<0.04	---	1.7	0.25	---	---	---	---
2-Chloronaphthalene	**NE**	---	---	---	---	<0.04	---	---	<0.04	---	---	---	---
2-Methylnaphthalene	**NE**	---	---	---	0.023	<0.04	---	1.2	0.17	---	---	---	---
Acenaphthene	**NE**	33.5	36.2	74.6	0.016	<0.04	<0.04	1.9	0.14	0.43	0.089	0.11	0.10
Acenaphthylene	**NE**	<0.041	0.21	0.4	<0.0086	<0.04	<0.04	0.12	<0.04	<0.041	<0.041	<0.041	<0.40
Anthracene	**3,000**	0.21	0.20	0.41	<0.012	<0.04	<0.04	0.98	0.05	0.29	<0.041	<0.041	<0.40
Benzo(a)anthracene	**NE**	<0.041	<0.041	<0.04	<0.017	<0.04	<0.04	0.4	0.052	0.32	<0.041	<0.041	<0.40
Benzo(a)pyrene	**0.2**	<0.041	<0.041	<0.04	<0.019	<0.04	<0.04	**0.21**	<0.04	**0.22**	<0.041	<0.041	<0.40
Benzo(b)fluoranthene	**0.2**	<0.041	<0.31	<0.04	<0.017	<0.04	<0.04	<0.17	0.16	0.19	<0.041	<0.041	<0.40
Benzo(g,h,i)perylene	**NE**	<0.041	<0.041	<0.04	<0.020	<0.04	<0.04	<0.20	0.26	0.11	<0.041	<0.041	<0.40
Benzo(k)fluoranthene	**NE**	<0.041	<0.041	<0.04	<0.020	<0.04	<0.04	<0.20	<0.04	0.082	<0.041	<0.041	<0.40
Chrysene	**0.2**	<0.041	<0.041	<0.04	<0.020	<0.04	<0.04	**0.38**	0.057	**0.36**	<0.041	<0.041	<0.40
Dibenz(a,h)anthracene	**NE**	<0.041	<0.041	<0.04	---	---	<0.04	---	---	<0.041	<0.041	<0.041	<0.40
Dibenzofuran	**NE**	---	---	---	---	<0.04	---	---	<0.04	---	---	---	---
Fluoranthene	**400**	0.29	0.23	0.36	<0.016	<0.04	<0.04	1.1	0.083	0.68	<0.041	<0.041	<0.40
Fluorene	**400**	2.4	2.6	6.7	<0.0096	<0.04	<0.04	0.71	<0.04	0.16	<0.041	<0.041	<0.40
Indeno(1,2,3-cd)pyrene	**NE**	<0.041	<0.041	<0.04	<0.020	<0.04	<0.04	<0.20	<0.04	0.071	<0.041	<0.041	<0.40
Naphthalene	**100**	5.1	1.7	43.4	0.23	<0.04	<0.04	3.4	0.52	0.84	0.50	0.41	0.5
Phenanthrene	**NE**	1.1	1.1	1.9	<0.012	<0.04	<0.04	3.1	0.21	1.1	0.072	0.087	0.061
Pyrene	**250**	0.28	0.17	0.27	<0.015	<0.04	<0.04	1.5	0.1	0.99	<0.041	0.043	<0.40

Notes:
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 Wisconsin Department of Natural Resources Groundwater Enforcement Standards for the protection of public health (NR 140, Table 1).
b. The enforcement standard is 480 ug/L for the sum of all trimethylbenzene concentrations.
c. NE means enforcement standard is not established.
d. The enforcement standard is 10,000 ug/L for the total xylene concentrations.

Appendix A

Groundwater Sample Collection Forms

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: 45 Degrees F, sunny Collector(s) Dan Phelps

Date: 4/22/10
Time: Start 11:08
Finish 11:45

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

a. Total Well Length 20.33
b. Water Table Depth 11.05
c. Casing Material _PVC___
d. Casing Diameter __2"___
e. Length of Water Column 9.28
f. Calculated Well Volume 1.51

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	

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
1112		5.51	12.04	2,983	0.25	5.93	-215.7	clear	
1115		5.34	12.50	3,090	0.03	4.54	-236.6	clear	
1118		5.28	12.72	3,153	0.08	4.18	-239.7	clear	
1121		5.27	12.77	3,187	0.85	3.82	-230.3	clear	
1124		5.27	12.79	3,213	0.98	3.30	-233.4	clear	
1127		5.24	12.87	3,239	0.40	3.06	-240.5	clear	
1133		5.21	13.04	3,278	0.04	2.65	-323.9	clear	
1138		5.18	12.94	3,299	0.39	2.30	-286.1	clear	
1141	5	5.19	13.04	3,309	0.07	2.32	-267.3	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 dedicated tubing

Sample ID	Container Type	No. of Containers	Preservation	Analysis	Time
MW-6	40 ml vial	3	HCL	VOC	1145
MW-6	1 liter amber	2	None	PAH	1145

Comments

Signature _____ _____ Date 4/22/2010

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: 45 Degrees F, sunny Collector(s) Dan Phelps

Date: 4/22/10
Time: Start 11:52
Finish 12:15

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

a. Total Well Length 20.3
b. Water Table Depth 12.75
c. Casing Material _PVC___
d. Casing Diameter __2"___
e. Length of Water Column 7.55
f. Calculated Well Volume 1.23

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	

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
1158		7.05	8.74	1,665	1.30	3.20	-128.0	clear	
1201		7.02	8.82	1,668	0.86	2.65	-123.4	clear	
1206		6.94	8.66	1,668	1.00	2.28	-127.5	clear	
1210		6.93	8.64	1,666	0.50	2.15	-127.0	clear	
1213	4	6.95	8.61	1,664	0.85	2.13	-123.6	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 dedicated tubing

Sample ID	Container Type	No. of Containers	Preservation	Analysis	Time
MW-7	40 ml vial	3	HCL	VOC	1215
MW-7	1 liter amber	2	None	PAH	1215

Comments

Signature _____ _____ Date 4/22/2010

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: 45 Degrees F, sunny Collector(s) Dan Phelps

Date: 4/22/10
Time: Start 9:07
Finish 9:20

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

a. Total Well Length 19.95
b. Water Table Depth 13.43
c. Casing Material _PVC___
d. Casing Diameter __2"___
e. Length of Water Column 6.52
f. Calculated Well Volume 1.06

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	

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
910		6.66	12.70	3,150	19.40	5.50	-246.1	lt. brown	
913		6.56	12.90	3,256	4.56	4.40	-239.5	clear	
916		6.53	12.97	3,290	1.66	4.09	-233.3	clear	
919	2.5	6.53	12.99	3,310	0.67	4.02	-231.7	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 dedicated tubing

Sample ID	Container Type	No. of Containers	Preservation	Analysis	Time
MW-8	40 ml vial	3	HCL	VOC	920
MW-8	1 liter amber	2	None	PAH	920

Comments

Signature _____ _____ Date 4/22/2010

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: 45 Degrees F, sunny Collector(s) Dan Phelps

Date: 4/22/10
Time: Start 9:34
Finish 10:10

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

a. Total Well Length 20.20
b. Water Table Depth 9.25
c. Casing Material _PVC___
d. Casing Diameter __2"___
e. Length of Water Column 10.95
f. Calculated Well Volume 1.78

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	

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
939		6.35	8.33	881	1.22	15.63	-85.1	clear	
943		6.54	8.35	897	1.07	6.58	-110.9	clear	
946		6.45	8.49	899	0.93	4.89	-143.0	clear	
949		6.60	8.61	913	0.68	4.17	-194.6	clear	
952		6.40	8.78	915	0.06	3.69	-224.7	clear	
955		6.45	9.11	920	0.05	3.13	-273.4	clear	
1000		6.72	9.60	934	0.03	2.70	-313.8	clear	
1003		6.71	9.78	932	0.03	2.57	-331.9	clear	
1006	5.00	6.72	9.88	935	0.01	2.51	-340.3	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 dedicated tubing

Sample ID	Container Type	No. of Containers	Preservation	Analysis	Time
MW-9	40 ml vial	3	HCL	VOC	1010
MW-9	1 liter amber	2	None	PAH	1010

Comments

Signature _____ _____ Date 4/22/2010

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: 50 Degrees F, sunny Collector(s) Dan Phelps

Date: 4/21/10
Time: Start 1721
Finish 1800

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

a. Total Well Length 11.55
b. Water Table Depth 4.66
c. Casing Material _PVC___
d. Casing Diameter __2"___
e. Length of Water Column 6.89
f. Calculated Well Volume 1.12

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	

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
1724		5.68	6.27	633	NA	7.03	-54.0	black	
1727		5.61	6.11	634	NA	6.66	-65.9	black	
1730		5.71	0.15	675	8.93	4.50	-88.4	black	
1733		5.69	6.33	742	7.37	4.78	-116.4	clear	
1736		5.70	6.66	794	4.93	4.18	-146.2	clear	
1740		5.69	7.41	835	1.50	3.80	-219.5	clear	
1746		5.62	8.14	852	0.32	3.04	-273.8	clear	
1749		5.61	8.37	862	0.36	2.82	-294.3	clear	
1754		5.57	8.67	873	0.00	2.74	-313.6	clear	
1757	6	5.57	8.68	874	0.00	2.80	-294.3	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 dedicated tubing

Sample ID	Container Type	No. of Containers	Preservation	Analysis	Time
MW-10	40 ml vial	3	HCL	VOC	1800
MW-10	1 liter amber	2	None	PAH	1800

Comments Turbity meter not functioning during first two readings.

Signature _____  _____ Date 4/21/2010

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: 45 Degrees F, sunny Collector(s) Dan Phelps

Date: 4/22/10
Time: Start 8:35
Finish 8:55

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	

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
838		5.34	7.05	713	68.0	6.04	-57.0	lt. brown	
841		5.41	6.72	716	40.0	4.68	-78.2	lt. brown	
844		5.53	6.80	740	19.7	4.71	-97.5	lt. brown	
849		5.58	6.90	748	11.0	4.62	-110.8	lt. brown	
850	3.0	5.56	7.01	750	8.64	4.69	-119.5	lt. brown	

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 dediacted tubing

Sample ID	Container Type	No. of Containers	Preservation	Analysis	Time
MW-11	40 ml vial	3	HCL	VOC	855
MW-11	1 liter amber	2	None	PAH	855

Comments

Signature _____ _____ Date 4/22/2010

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: 50 Degrees F, sunny Collector(s) Dan Phelps

Date: 4/21/10
Time: Start 15:45
Finish 16:05

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

a. Total Well Length 17.44
b. Water Table Depth 8.00
c. Casing Material _PVC___
d. Casing Diameter __2"___
e. Length of Water Column 9.44
f. Calculated Well Volume 1.54

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	

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
1549		6.46	6.64	702	50.9	5.60	-48.2	lt. brown	
4552		6.14	6.62	678	44.8	3.77	-58.1	lt. brown	
1555		5.94	6.56	681	23.1	3.68	-74.2	clear	
1558		5.88	6.57	695	12.9	3.52	-81.4	clear	
1601	3	5.88	6.57	701	7.29	3.42	-85.7	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 dedicated tubing

Sample ID	Container Type	No. of Containers	Preservation	Analysis	Time
MW-15	40 ml vial	3	HCL	VOC	1605
MW-15	1 liter amber	2	None	PAH	1605

Comments

Signature _____ _____ Date 4/21/2010

AECOM

Well/Piezo ID: **MW-16**

Ground Water Sample Collection Record

Client: Superior, Water, Light & Power
Project No: 60154982
Site Location: Superior, Wisconsin
Weather Conds: 50 Degrees F, sunny Collector(s) Dan Phelps

Date: 4/21/10
Time: Start 16:19
Finish 16:50

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

a. Total Well Length 17.05
b. Water Table Depth 12.71
c. Casing Material _PVC___
d. Casing Diameter __2"___
e. Length of Water Column 4.34
f. Calculated Well Volume 0.71

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	

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	Odor
1623		7.09	6.96	897	7.79	4.12	19.5	lt. brown	
1626		7.13	6.94	906	1.71	3.18	33.8	clear	
1629		7.15	6.94	908	0.0	2.76	40.8	clear	
1632		7.11	6.95	903	0.0	2.53	47.0	clear	
1636		7.15	6.95	901	0.0	2.36	51.0	clear	
1639		7.18	6.95	900	0.0	2.17	54.3	clear	
1642		7.14	6.95	898	0.0	2.01	56.8	clear	
1645	5	7.14	6.95	899	0.0	1.97	58.0	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 disposable tubing

Sample ID	Container Type	No. of Containers	Preservation	Analysis	Time
MW-16	40 ml vial	3	HCL	VOC	16:50
MW-16	1 liter amber	2	HCL	PAH	16:50

Comments

Signature _____ _____ Date 4/21/2010

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: 50 Degrees F, sunny Collector(s) Dan Phelps

Date: 4/21/10
Time: Start 15:08
Finish 15:30

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

a. Total Well Length 15.00
b. Water Table Depth 4.29
c. Casing Material _PVC___
d. Casing Diameter __2"___
e. Length of Water Column 10.71
f. Calculated Well Volume 1.75

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	

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
1513		6.38	6.86	892	14.60	9.00	-106.7	lt. brown	
1516		6.02	6.82	885	10.58	5.17	-109.1	clear	
1519		5.98	6.79	884	8.00	4.71	-118.5	clear	
1522		5.97	6.77	880	6.46	4.41	-122.0	clear	
1525	2.0	5.79	6.77	878	5.06	4.33	-124.1	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 dedicated tubing

Sample ID	Container Type	No. of Containers	Preservation	Analysis	Time
MW-20	40 ml vial	3	HCL	VOC	1530
MW-20	1 liter amber	2	None	PAH	1530

Comments

Signature _____ _____ Date 4/21/2010

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: 45 Degrees F, sunny Collector(s) Dan Phelps

Date: 4/22/10
Time: Start 10:18
Finish 10:50

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

a. Total Well Length 17.71
b. Water Table Depth 7.19
c. Casing Material _PVC___
d. Casing Diameter __2"___
e. Length of Water Column 10.52
f. Calculated Well Volume 1.71

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	

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
1024		4.27	13.09	7,299	0.35	9.26	-297.7	clear	
1029		4.13	13.27	7,304	0.07	8.17	-293.6	clear	
1033		4.37	12.92	7,342	0.76	7.18	-278.2	clear	
1036		4.34	12.98	7,360	0.45	6.89	-267.1	clear	
1039		4.40	12.90	7,368	0.33	6.53	-249.6	clear	
1042		4.35	12.62	7,360	0.26	6.35	-231.7	clear	
1045	5	4.36	12.62	7,362	0.11	6.20	-219.8	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 dedicated tubing

Sample ID	Container Type	No. of Containers	Preservation	Analysis	Time
MW-22	40 ml vial	3	HCL	VOC	1050
MW-22	1 liter amber	2	None	PAH	1050

Comments

Signature _____ _____ Date 4/22/2010

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: 45 Degrees F, sunny Windy and dusty
Collector(s) Bill Gregg
Date: 10/20/10
Time: Start 0900
Finish 1000

WATER LEVEL DATA: (measured from Top of Casing)

Well ■ Piezometer ☐

a. Total Well Length 20.33
b. Water Table Depth 11.46
c. Casing Material _PVC___
d. Casing Diameter __2"___
e. Length of Water Column 8.87
f. Calculated Well Volume 1.45

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	04E8905

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		13.1	12.27	2,989	Not Measured	1.02	-214	clear	
940		13.1	12.34	4,524	Not Measured	0.43	-234	clear	
945		13.12	12.35	4,658	Not Measured	1.07	-208	clear	
950		13.15	12.37	4,705	Not Measured	0.43	-204	clear	
955		13.16	12.38	4,755	Not Measured	1.10	-199	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 dedicated tubing

Sample ID	Container Type	No. of Containers	Preservation	Analysis	Time
MW-6	40 ml vial	3	HCL	VOC	1000
MW-6	1 liter amber	2	None	PAH	1000

Comments

Signature William M. Gregg

Date 10/20/2010

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: 45 Degrees F, sunny Windy and dusty
Collector(s) Bill Gregg
Date: 10/20/10
Time: Start 1005
Finish 1035

WATER LEVEL DATA: (measured from Top of Casing)

Well ■ Piezometer □

a. Total Well Length 20.3
b. Water Table Depth 12.26
c. Casing Material _PVC___
d. Casing Diameter __2"___
e. Length of Water Column 8.04
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	04E8905

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		9.60	7.11	1,800	Not Measured	1.60	-81	clear	
1022		9.96	6.69	1,516	Not Measured	0.64	-107	clear	
1026		10.54	6.86	1,343	Not Measured	0.60	-159	clear	
1030		10.75	6.96	1,218	Not Measured	0.45	-169	clear	
1034		10.78	6.95	1,195	Not Measured	0.51	-164	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 dedicated tubing

Sample ID	Container Type	No. of Containers	Preservation	Analysis	Time
MW-7	40 ml vial	3	HCL	VOC	1035
MW-7	1 liter amber	2	None	PAH	1035

Comments

Signature ___William M. Gregg___ Date 10/20/2010

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: 45 Degrees F, sunny Windy and dusty
Collector(s) Bill Gregg
Date: 10/20/10
Time: Start 1055
Finish 1130

WATER LEVEL DATA: (measured from Top of Casing)

Well ■ Piezometer ☐

a. Total Well Length 19.95
b. Water Table Depth 12.44
c. Casing Material _PVC___
d. Casing Diameter __2"___
e. Length of Water Column 7.51
f. Calculated Well Volume 1.22

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	04E8905

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
1110		12.22	12.61	5,433	Not Measured	2.20	-206	clear	
1114		12.12	12.65	5,803	Not Measured	1.81	-203	clear	
1118		12.05	12.66	5,896	Not Measured	1.48	-205	clear	
1122		12.04	12.66	5,884	Not Measured	1.42	-204	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 dedicated tubing

Sample ID	Container Type	No. of Containers	Preservation	Analysis	Time
MW-8	40 ml vial	3	HCL	VOC	1130
MW-8	1 liter amber	2	None	PAH	1130

Comments Pull tubing off bottom to avoid pumping thick mud (some mud in dedicated tubing)

Signature William M. Gregg

Date 10/20/2010

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: 45 Degrees F, sunny Windy and dusty
Collector(s) Bill Gregg
Date: 10/20/10
Time: Start 1133
Finish 1210

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

a. Total Well Length 20.20
b. Water Table Depth 8.78
c. Casing Material _PVC___
d. Casing Diameter __2"___
e. Length of Water Column 11.42
f. Calculated Well Volume 1.86

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	04E8905

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
1135		13.63	7.96	1,234	Not Measured	1.92	-135.0	clear	
1140		13.02	7.34	1,299	Not Measured	1.55	-142.0	clear	
1145		12.81	6.94	1,293	Not Measured	1.20	-181.0	clear	
1150		12.68	7.05	1,270	Not Measured	0.86	-178.0	clear	
1155		12.71	7.06	1,263	Not Measured	0.92	-179.0	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 dedicated tubing

Sample ID	Container Type	No. of Containers	Preservation	Analysis	Time
MW-9	40 ml vial	3	HCL	VOC	1210
MW-9	1 liter amber	2	None	PAH	1210

Comments Sample fizzed - I could not collect VOA without a bubble.

Signature ____William M. Gregg___ Date 10/20/2010

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: 50 Degrees F, rain Windy and dusty
Collector(s) Bill Gregg
Date: 10/20/10
Time: Start 1410
Finish 1500

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

a. Total Well Length 11.55
b. Water Table Depth
c. Casing Material _PVC___
d. Casing Diameter __2"___
e. Length of Water Column 11.55
f. Calculated Well Volume 1.88

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	04E8905

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
1420		11.70	7.06	1062	Not Measured	0.87	-198.0		
1425		11.68	8.6	1182	Not Measured	0.4	-260		
1430		11.66	8.87	1214	Not Measured	0.28	-275		
1435		11.71	8.94	1221	Not Measured	0.23	-282		

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 dedicated tubing

Sample ID	Container Type	No. of Containers	Preservation	Analysis	Time
MW-10	40 ml vial	3	HCL	VOC	1500
MW-10	1 liter amber	2	None	PAH	1500
MW-10Dup	40 ml vial	3	HCL	VOC	1500
MW-10Dup	1 liter amber	2	None	PAH	1500

Comments Forgot to record water level!

Signature William M. Gregg
Date 10/20/2010

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: 45 Degrees F, sunny Windy and dusty
Collector(s) Bill Gregg
Date: 10/20/10
Time: Start 1550
Finish 1620

WATER LEVEL DATA: (measured from Top of Casing)

Well ■ Piezometer □

a. Total Well Length 14.10
b. Water Table Depth 8.25
c. Casing Material _PVC___
d. Casing Diameter __2"___
e. Length of Water Column 5.85
f. Calculated Well Volume 0.95

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	04E8905

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
1555		11.92	6.51	628	Not Measured	7.99	-18	lt. brown	
1600		12.1	6.43	674	Not Measured	7.1	-27	lt. brown	
1605		12.09	6.39	695	Not Measured	6.6	-46	lt. brown	
1610		12.08	6.37	722	Not Measured	5.9	-63	lt. brown	
1615		12.06	6.35	737	Not Measured	5.8	-70	lt. brown	

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 dediacted tubing

Sample ID	Container Type	No. of Containers	Preservation	Analysis	Time
MW-11	40 ml vial	3	HCL	VOC	1620
MW-11	1 liter amber	2	None	PAH	1620

Comments

Signature William M. Gregg

Date 10/20/2010

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: 50 Degrees F, sunny Windy
Collector(s) Bill Gregg
Date: 10/20/10
Time: Start 1245
Finish 1330

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

a. Total Well Length 17.44
b. Water Table Depth 7.58
c. Casing Material _PVC___
d. Casing Diameter __2"___
e. Length of Water Column 9.86
f. Calculated Well Volume 1.61

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	04E8905

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
1253		11.68	6.7	1,946	Not Measured	12.32	-88	clear	
1257		12.14	6.67	1782	Not Measured	10.05	-93	clear	
1301		12.58	6.66	1462	Not Measured	9.32	-104	clear	
1305		12.51	6.66	1385	Not Measured	8.8	-109	clear	
1309		12.51	6.64	1376	Not Measured	8.2	-112	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 dedicated tubing

Sample ID	Container Type	No. of Containers	Preservation	Analysis	Time
MW-15	40 ml vial	3	HCL	VOC	1330
MW-15	1 liter amber	2	None	PAH	1330

Comments Pull tubing off bottom to keep mud out of discharge

Signature William M. Gregg
Date 10/20/2010

AECOM

Well/Piezo ID: **MW-18**

Ground Water Sample Collection Record

Client: Superior, Water, Light & Power
Project No: 60154982
Site Location: Superior, Wisconsin
Weather Conds: 50 Degrees F, sunny Windy
Collector(s) Bill Gregg
Date: 10/21/2010
Time: Start 920 Finish 1000

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

a. Total Well Length 17.71
b. Water Table Depth 3.85
c. Casing Material _PVC___
d. Casing Diameter __2"___
e. Length of Water Column 13.86
f. Calculated Well Volume

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	04E8905

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
930		11.29	12.97	10,250	Not Measured	3.54	-51.0	clear	
935		11.07	13.00	10,170	Not Measured	3.52	-73.0	clear	
940		10.72	12.99	9,440	Not Measured	2.2	-78.0	clear	
945		10.19	12.95	8,360	Not Measured	1.1	-84.0	clear	
950		10.20	12.93	7,985	Not Measured	0.95	-99.0	clear	
955		10.24	12.93	7,982	Not Measured	0.94	-107	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 dedicated tubing

Sample ID	Container Type	No. of Containers	Preservation	Analysis	Time
MW-22	40 ml vial	3	HCL	VOC	1000
MW-22	1 liter amber	2	None	PAH	1000

Comments Had to change COC after I relaized I had sampled MW-18 instead of MW-22

Signature William M. Gregg Date 10/21/2010

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: 50 Degrees F, sunny Windy
Collector(s) Bill Gregg
Date: 10/20/10
Time: Start 1330
Finish 1400

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

a. Total Well Length 15.00
b. Water Table Depth 4.19
c. Casing Material _PVC___
d. Casing Diameter __2"___
e. Length of Water Column 10.81
f. Calculated Well Volume 1.76

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	04E8905

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
1339		14.39	6.69	590	Not Measured	10.33	-52	clear	
1342		14.31	6.67	593	Not Measured	10.32	-57.0	clear	
1345		14.29	6.65	63	Not Measured	10.07	-68	clear	
1348		14.27	6.67	15	Not Measured	9.77	-75.0	clear	
1350		14.32	6.59	828	Not Measured	1.07	-27	clear	
1354		14.28	6.57	825	Not Measured	0.94	-22	clear	
1358		14.25	6.58	824	Not Measured	0.91	-20	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 dedicated tubing

Sample ID	Container Type	No. of Containers	Preservation	Analysis	Time
MW-20	40 ml vial	3	HCL	VOC	1400
MW-20	1 liter amber	2	None	PAH	1400

Comments Had trouble with flow cell - make sure water flows in at the bottom and out at the top!

Signature William M. Gregg
Date 10/20/2010

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: 38 Degrees F, sunny Collector(s) Tim Grape

Date: 10/28/10
Time: Start 1700
Finish 1730

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

a. Total Well Length 17.71
b. Water Table Depth 5.51
c. Casing Material _PVC___
d. Casing Diameter __2"___
e. Length of Water Column 12.2
f. Calculated Well Volume 1.99

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 Hydrolab Model Serial Number

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
1715		9.72	13.7	141	13.80	3.29	-110.0	clear	
1720		9.76	13.74	91	9.90	4.69	-95.0	clear	
1725		9.81	13.76	76	7.70	4.06	-104.0	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 dedicated tubing

Sample ID	Container Type	No. of Containers	Preservation	Analysis	Time
MW-22	40 ml vial	3	HCL	VOC	1730
MW-22	1 liter amber	2	None	PAH	1730

Comments

Signature William M. Hegg Date 10/28/2010

Appendix B

Well Abandonment Records

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing

Form 3300-005 (R 4/08)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ **Verification Only of Fill and Seal**

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

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Douglas	OX0027	NA

Latitude / Longitude (Degrees and Minutes) | Method Code (see instructions)
46° 43' 35.41" N
92° 04' 22.36" W | GPS007

¼ / ¼	¼	Section	Township	Range
NE	SW	13	49 N	14 ☐ E ☒ W

or Gov't Lot # —

Well Street Address: East Street

Well City, Village or Town: Superior | Well ZIP Code: 54880

Subdivision Name: — | Lot #: —

Reason For Removal From Service | WI Unique Well # of Replacement Well: NA

2. Facility / Owner Information

Facility Name: Superior Water Light and Power

Facility ID (FID or PWS): 09413-098

License/Permit/Monitoring #: —

Original Well Owner: Superior Water Light and Power

Present Well Owner: Same

Mailing Address of Present Owner: 2915 Hill Ave

City of Present Owner: Superior | State: WI | ZIP Code: 54880

3. Well / Drillhole / Borehole Information

☒ Monitoring Well ☐ Water Well ☐ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 10-11-2005

If a Well Construction Report is available, please attach. Attached

Construction Type:
☒ Drilled ☐ Driven (Sandpoint) ☐ Dug ☐ Other (specify): _____

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)	Lower Drillhole Diameter (in.)	Casing Depth (ft.)
12	Riser 2	12	

Was well annular space grouted? ☒ Yes ☐ No ☐ Unknown

If yes, to what depth (feet)? 1.5 | Depth to Water (feet): 2.11

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Screen removed?	☐ Yes	☒ No	☐ N/A
Casing left in place?	☒ Yes	☐ No	☐ N/A
Was casing cut off below surface?	☒ Yes	☐ No	☐ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☐ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☐ Yes	☐ No	☒ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☒ Conductor Pipe-Pumped ☐ Screened & Poured (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials
☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
☐ Concrete ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☒ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Surface	12	1/2 Bag	15+

Wyo Ben High Solids Bentonite grout Cement

6. Comments

MW-18

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
Dennis Zehnder AECOM	—	10-8-2010

Street or Route: 161 Cheshire Lane N Suite 500 | Telephone Number: (612) 210 1048

City: Plymouth | State: MN | ZIP Code: 55441

Signature of Person Doing Work: Dennis Zehnder | Date Signed: 1-11-11

DNR Use Only

Date Received	Noted By

Comments

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing

Form 3300-005 (R 4/08)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ **Verification Only of Fill and Seal**

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

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Douglas	OX028	NA

Latitude / Longitude (Degrees and Minutes) — Method Code (see instructions)

46 ° 43' x 35.41" N
92 ° 04' x 21.36" W
Method Code: GPS007

¼ / ¼	¼	Section	Township	Range
NE	SW	13	49 N	14 ☐ E ☒ W

or Gov't Lot # —

Well Street Address: East Street

Well City, Village or Town: Superior — Well ZIP Code: 54880

Subdivision Name: — Lot #: —

Reason For Removal From Service: — WI Unique Well # of Replacement Well: NA

2. Facility / Owner Information

Facility Name: Superior Water Light and Power

Facility ID (FID or PWS): 09413-098

License/Permit/Monitoring #: —

Original Well Owner: Superior Water Light & Power

Present Well Owner: same

Mailing Address of Present Owner: 2915 Hill Ave

City of Present Owner: Superior — State: WI — ZIP Code: 54880

3. Well / Drillhole / Borehole Information

☒ Monitoring Well ☐ Water Well ☐ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 10-11-2005

If a Well Construction Report is available, please attach.

Construction Type: ☒ Drilled ☐ Driven (Sandpoint) ☐ Dug ☐ Other (specify): _____

Formation Type: ☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)	Casing Depth (ft.)
12.4	riser 2"	10 screen

Lower Drillhole Diameter (in.): 12.4

Was well annular space grouted? ☒ Yes ☐ No ☐ Unknown

If yes, to what depth (feet)? 1.75' — Depth to Water (feet): 3.0

4. Pump, Liner, Screen, Casing & Sealing Material

	Yes	No	N/A
Pump and piping removed?	☐	☐	☒
Liner(s) removed?	☐	☐	☒
Screen removed?	☐	☒	☐
Casing left in place?	☒	☐	☐
Was casing cut off below surface?	☒	☐	☐
Did sealing material rise to surface?	☒	☐	☐
Did material settle after 24 hours?	☐	☒	☐
If yes, was hole retopped?	☐	☐	☐
If bentonite chips were used, were they hydrated with water from a known safe source?	☐	☐	☒

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☒ Conductor Pipe-Pumped ☐ Screened & Poured (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials
☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
☐ Concrete ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☒ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Surface	12.4	1/2	+15

Wyo Ben Hi Solids Bentonite grout cement

6. Comments

MW-19

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
Dennis Johnson AECOM	NA	10-8-2010

Street or Route: 161 Cheshire Lane N Suite 500 — Telephone Number: (612) 2101045

City: Plymouth — State: MN — ZIP Code: 55441

Signature of Person Doing Work: [signature] — Date Signed: 1-11-11

DNR Use Only

Date Received	Noted By

Comments:

Appendix C

Laboratory Analytical Report

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

May 04, 2010

Chris Boehm Carlson
AECOM
161 Cheshire Lane N
Suite 500
Minneapolis, MN 55441

RE: Project: 60154982 SUPERIOR WLP
Pace Project No.: 10127075

Dear Chris Carlson:
Enclosed are the analytical results for sample(s) received by the laboratory on April 22, 2010. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

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

Sincerely,

Carol Davy

carol.davy@pacelabs.com
Project Manager

Enclosures

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

CERTIFICATIONS

Project: 60154982 SUPERIOR WLP
Pace Project No.: 10127075

Minnesota Certification IDs

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

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SAMPLE SUMMARY

Project: 60154982 SUPERIOR WLP
Pace Project No.: 10127075

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10127075001	**MW-6**	Water	04/22/10 11:45	04/22/10 15:15
10127075002	**MW-7**	Water	04/22/10 12:15	04/22/10 15:15
10127075003	**MW-8**	Water	04/22/10 09:20	04/22/10 15:15
10127075004	**MW-9**	Water	04/22/10 10:10	04/22/10 15:15
10127075005	**MW-10**	Water	04/21/10 18:00	04/22/10 15:15
10127075006	**MW-11**	Water	04/22/10 08:55	04/22/10 15:15
10127075007	**MW-15**	Water	04/21/10 16:05	04/22/10 15:15
10127075008	**MW-16**	Water	04/21/10 16:50	04/22/10 15:15
10127075009	**MW-20**	Water	04/21/10 15:30	04/22/10 15:15
10127075010	**MW-22**	Water	04/22/10 10:50	04/22/10 15:15
10127075011	**DUP-1**	Water	04/22/10 00:00	04/22/10 15:15
10127075012	**TRIP BLANK**	Water	04/21/10 00:00	04/22/10 15:15

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SAMPLE ANALYTE COUNT

Project: 60154982 SUPERIOR WLP
Pace Project No.: 10127075

Lab ID	Sample ID	Method	Analysts	Analytes Reported
10127075001	**MW-6**	EPA 8270 by SIM	HRG	18
		EPA 8260	CNC	73
10127075002	**MW-7**	EPA 8270 by SIM	HRG	18
		EPA 8260	DRE, JMW	73
10127075003	**MW-8**	EPA 8270 by SIM	HRG	18
		EPA 8260	JMW	73
10127075004	**MW-9**	EPA 8270 by SIM	HRG	18
		EPA 8260	CNC	73
10127075005	**MW-10**	EPA 8270 by SIM	HRG	18
		EPA 8260	CNC	73
10127075006	**MW-11**	EPA 8270 by SIM	HRG	18
		EPA 8260	DJT	73
10127075007	**MW-15**	EPA 8270 by SIM	HRG	18
		EPA 8260	DJT	73
10127075008	**MW-16**	EPA 8270 by SIM	HRG	18
		EPA 8260	DJT	73
10127075009	**MW-20**	EPA 8270 by SIM	HRG	18
		EPA 8260	DJT	73
10127075010	**MW-22**	EPA 8270 by SIM	HRG	18
		EPA 8260	DJT	73
10127075011	**DUP-1**	EPA 8270 by SIM	HRG	18
		EPA 8260	DJT	73
10127075012	**TRIP BLANK**	EPA 8260	DJT	73

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ANALYTICAL RESULTS

Project: 60154982 SUPERIOR WLP
Pace Project No.: 10127075

Sample: MW-6 **Lab ID: 10127075001** Collected: 04/22/10 11:45 Received: 04/22/10 15:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510							
Acenaphthene	**5.7**	ug/L	0.041	1	04/23/10 12:16	04/29/10 01:43	83-32-9	
Acenaphthylene	**0.20**	ug/L	0.041	1	04/23/10 12:16	04/29/10 01:43	208-96-8	
Anthracene	**0.46**	ug/L	0.041	1	04/23/10 12:16	04/29/10 01:43	120-12-7	
Benzo(a)anthracene	**0.053**	ug/L	0.041	1	04/23/10 12:16	04/29/10 01:43	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.041	1	04/23/10 12:16	04/29/10 01:43	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.31	1	04/23/10 12:16	04/29/10 01:43	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.041	1	04/23/10 12:16	04/29/10 01:43	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.041	1	04/23/10 12:16	04/29/10 01:43	207-08-9	
Chrysene	ND	ug/L	0.041	1	04/23/10 12:16	04/29/10 01:43	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.041	1	04/23/10 12:16	04/29/10 01:43	53-70-3	
Fluoranthene	**0.53**	ug/L	0.041	1	04/23/10 12:16	04/29/10 01:43	206-44-0	
Fluorene	**0.92**	ug/L	0.041	1	04/23/10 12:16	04/29/10 01:43	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.041	1	04/23/10 12:16	04/29/10 01:43	193-39-5	
Naphthalene	**18.0**	ug/L	0.21	5	04/23/10 12:16	04/30/10 17:12	91-20-3	
Phenanthrene	**2.4**	ug/L	0.041	1	04/23/10 12:16	04/29/10 01:43	85-01-8	
Pyrene	**0.59**	ug/L	0.041	1	04/23/10 12:16	04/29/10 01:43	129-00-0	
2-Fluorobiphenyl (S)	95	%	58-125	1	04/23/10 12:16	04/29/10 01:43	321-60-8	
Terphenyl-d14 (S)	108	%	57-134	1	04/23/10 12:16	04/29/10 01:43	1718-51-0	
8260 VOC	Analytical Method: EPA 8260							
Acetone	**20.6**	ug/L	10.0	1		04/25/10 20:00	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		04/25/10 20:00	107-05-1	
Benzene	**4.1**	ug/L	1.0	1		04/25/10 20:00	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		04/25/10 20:00	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		04/25/10 20:00	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		04/25/10 20:00	75-27-4	
Bromoform	ND	ug/L	8.0	1		04/25/10 20:00	75-25-2	
Bromomethane	ND	ug/L	4.0	1		04/25/10 20:00	74-83-9	
2-Butanone (MEK)	ND	ug/L	4.0	1		04/25/10 20:00	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		04/25/10 20:00	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		04/25/10 20:00	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		04/25/10 20:00	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	1		04/25/10 20:00	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		04/25/10 20:00	108-90-7	
Chloroethane	ND	ug/L	1.0	1		04/25/10 20:00	75-00-3	
Chloroform	ND	ug/L	1.0	1		04/25/10 20:00	67-66-3	
Chloromethane	ND	ug/L	4.0	1		04/25/10 20:00	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		04/25/10 20:00	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		04/25/10 20:00	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		04/25/10 20:00	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		04/25/10 20:00	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		04/25/10 20:00	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		04/25/10 20:00	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		04/25/10 20:00	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		04/25/10 20:00	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		04/25/10 20:00	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		04/25/10 20:00	75-71-8	

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ANALYTICAL RESULTS

Project: 60154982 SUPERIOR WLP
Pace Project No.: 10127075

Sample: MW-6 **Lab ID: 10127075001** Collected: 04/22/10 11:45 Received: 04/22/10 15:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
1,1-Dichloroethane	ND	ug/L	1.0	1		04/25/10 20:00	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		04/25/10 20:00	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		04/25/10 20:00	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		04/25/10 20:00	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		04/25/10 20:00	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		04/25/10 20:00	75-43-4	
1,2-Dichloropropane	ND	ug/L	1.0	1		04/25/10 20:00	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		04/25/10 20:00	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		04/25/10 20:00	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		04/25/10 20:00	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		04/25/10 20:00	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		04/25/10 20:00	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		04/25/10 20:00	60-29-7	
Ethylbenzene	**3.4**	ug/L	1.0	1		04/25/10 20:00	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	4.0	1		04/25/10 20:00	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		04/25/10 20:00	98-82-8	
p-Isopropyltoluene	**3.3**	ug/L	1.0	1		04/25/10 20:00	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		04/25/10 20:00	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	4.0	1		04/25/10 20:00	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		04/25/10 20:00	1634-04-4	
Naphthalene	**27.1**	ug/L	4.0	1		04/25/10 20:00	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		04/25/10 20:00	103-65-1	
Styrene	ND	ug/L	1.0	1		04/25/10 20:00	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		04/25/10 20:00	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		04/25/10 20:00	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		04/25/10 20:00	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		04/25/10 20:00	109-99-9	
Toluene	**1.3**	ug/L	1.0	1		04/25/10 20:00	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		04/25/10 20:00	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		04/25/10 20:00	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		04/25/10 20:00	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		04/25/10 20:00	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		04/25/10 20:00	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		04/25/10 20:00	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		04/25/10 20:00	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		04/25/10 20:00	76-13-1	
1,2,4-Trimethylbenzene	**2.1**	ug/L	1.0	1		04/25/10 20:00	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		04/25/10 20:00	108-67-8	
Vinyl chloride	ND	ug/L	0.40	1		04/25/10 20:00	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		04/25/10 20:00	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		04/25/10 20:00	179601-23-1	
o-Xylene	**1.6**	ug/L	1.0	1		04/25/10 20:00	95-47-6	
Dibromofluoromethane (S)	101	%	75-125	1		04/25/10 20:00	1868-53-7	
1,2-Dichloroethane-d4 (S)	102	%	75-125	1		04/25/10 20:00	17060-07-0	
Toluene-d8 (S)	101	%	75-125	1		04/25/10 20:00	2037-26-5	
4-Bromofluorobenzene (S)	100	%	75-125	1		04/25/10 20:00	460-00-4	

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ANALYTICAL RESULTS

Project: 60154982 SUPERIOR WLP
Pace Project No.: 10127075

Sample: MW-7 **Lab ID: 10127075002** Collected: 04/22/10 12:15 Received: 04/22/10 15:15 Matrix: Water

Parameters	Results	Units	Report Limit	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	1	04/23/10 12:16	04/29/10 02:02	83-32-9	
Acenaphthylene	**1.8**	ug/L	0.041	1	04/23/10 12:16	04/29/10 02:02	208-96-8	
Anthracene	**0.68**	ug/L	0.041	1	04/23/10 12:16	04/29/10 02:02	120-12-7	
Benzo(a)anthracene	**0.20**	ug/L	0.041	1	04/23/10 12:16	04/29/10 02:02	56-55-3	
Benzo(a)pyrene	**0.26**	ug/L	0.041	1	04/23/10 12:16	04/29/10 02:02	50-32-8	
Benzo(b)fluoranthene	**0.30**	ug/L	0.30	1	04/23/10 12:16	04/29/10 02:02	205-99-2	
Benzo(g,h,i)perylene	**0.13**	ug/L	0.041	1	04/23/10 12:16	04/29/10 02:02	191-24-2	
Benzo(k)fluoranthene	**0.11**	ug/L	0.041	1	04/23/10 12:16	04/29/10 02:02	207-08-9	
Chrysene	**0.21**	ug/L	0.041	1	04/23/10 12:16	04/29/10 02:02	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.041	1	04/23/10 12:16	04/29/10 02:02	53-70-3	
Fluoranthene	**0.80**	ug/L	0.041	1	04/23/10 12:16	04/29/10 02:02	206-44-0	
Fluorene	**2.4**	ug/L	0.041	1	04/23/10 12:16	04/29/10 02:02	86-73-7	
Indeno(1,2,3-cd)pyrene	**0.099**	ug/L	0.041	1	04/23/10 12:16	04/29/10 02:02	193-39-5	
Naphthalene	**376**	ug/L	4.1	100	04/23/10 12:16	05/03/10 10:04	91-20-3	
Phenanthrene	**3.0**	ug/L	0.041	1	04/23/10 12:16	04/29/10 02:02	85-01-8	
Pyrene	**1.0**	ug/L	0.041	1	04/23/10 12:16	04/29/10 02:02	129-00-0	
2-Fluorobiphenyl (S)	65	%	58-125	1	04/23/10 12:16	04/29/10 02:02	321-60-8	
Terphenyl-d14 (S)	47	%	57-134	1	04/23/10 12:16	04/29/10 02:02	1718-51-0	S5
8260 VOC	Analytical Method: EPA 8260							
Acetone	ND	ug/L	10000	1000		04/24/10 21:40	67-64-1	L1
Allyl chloride	ND	ug/L	4000	1000		04/24/10 21:40	107-05-1	
Benzene	**242000**	ug/L	2000	2000		04/25/10 22:17	71-43-2	
Bromobenzene	ND	ug/L	1000	1000		04/24/10 21:40	108-86-1	
Bromochloromethane	ND	ug/L	1000	1000		04/24/10 21:40	74-97-5	
Bromodichloromethane	ND	ug/L	1000	1000		04/24/10 21:40	75-27-4	
Bromoform	ND	ug/L	8000	1000		04/24/10 21:40	75-25-2	
Bromomethane	ND	ug/L	4000	1000		04/24/10 21:40	74-83-9	
2-Butanone (MEK)	ND	ug/L	4000	1000		04/24/10 21:40	78-93-3	
n-Butylbenzene	ND	ug/L	1000	1000		04/24/10 21:40	104-51-8	
sec-Butylbenzene	ND	ug/L	1000	1000		04/24/10 21:40	135-98-8	
tert-Butylbenzene	ND	ug/L	1000	1000		04/24/10 21:40	98-06-6	
Carbon tetrachloride	ND	ug/L	4000	1000		04/24/10 21:40	56-23-5	
Chlorobenzene	ND	ug/L	1000	1000		04/24/10 21:40	108-90-7	
Chloroethane	ND	ug/L	1000	1000		04/24/10 21:40	75-00-3	
Chloroform	ND	ug/L	1000	1000		04/24/10 21:40	67-66-3	
Chloromethane	ND	ug/L	4000	1000		04/24/10 21:40	74-87-3	
2-Chlorotoluene	ND	ug/L	1000	1000		04/24/10 21:40	95-49-8	
4-Chlorotoluene	ND	ug/L	1000	1000		04/24/10 21:40	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4000	1000		04/24/10 21:40	96-12-8	
Dibromochloromethane	ND	ug/L	1000	1000		04/24/10 21:40	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1000	1000		04/24/10 21:40	106-93-4	
Dibromomethane	ND	ug/L	4000	1000		04/24/10 21:40	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1000	1000		04/24/10 21:40	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1000	1000		04/24/10 21:40	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1000	1000		04/24/10 21:40	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1000	1000		04/24/10 21:40	75-71-8	

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ANALYTICAL RESULTS

Project: 60154982 SUPERIOR WLP
Pace Project No.: 10127075

Sample: MW-7 **Lab ID: 10127075002** Collected: 04/22/10 12:15 Received: 04/22/10 15:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
1,1-Dichloroethane	ND	ug/L	1000	1000		04/24/10 21:40	75-34-3	
1,2-Dichloroethane	ND	ug/L	1000	1000		04/24/10 21:40	107-06-2	
1,1-Dichloroethene	ND	ug/L	1000	1000		04/24/10 21:40	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1000	1000		04/24/10 21:40	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1000	1000		04/24/10 21:40	156-60-5	
Dichlorofluoromethane	ND	ug/L	1000	1000		04/24/10 21:40	75-43-4	
1,2-Dichloropropane	ND	ug/L	1000	1000		04/24/10 21:40	78-87-5	
1,3-Dichloropropane	ND	ug/L	1000	1000		04/24/10 21:40	142-28-9	
2,2-Dichloropropane	ND	ug/L	4000	1000		04/24/10 21:40	594-20-7	
1,1-Dichloropropene	ND	ug/L	1000	1000		04/24/10 21:40	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4000	1000		04/24/10 21:40	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4000	1000		04/24/10 21:40	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4000	1000		04/24/10 21:40	60-29-7	
Ethylbenzene	**4750**	ug/L	1000	1000		04/24/10 21:40	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	4000	1000		04/24/10 21:40	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1000	1000		04/24/10 21:40	98-82-8	
p-Isopropyltoluene	ND	ug/L	1000	1000		04/24/10 21:40	99-87-6	
Methylene Chloride	ND	ug/L	4000	1000		04/24/10 21:40	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	4000	1000		04/24/10 21:40	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1000	1000		04/24/10 21:40	1634-04-4	
Naphthalene	ND	ug/L	4000	1000		04/24/10 21:40	91-20-3	
n-Propylbenzene	ND	ug/L	1000	1000		04/24/10 21:40	103-65-1	
Styrene	**1310**	ug/L	1000	1000		04/24/10 21:40	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1000	1000		04/24/10 21:40	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1000	1000		04/24/10 21:40	79-34-5	
Tetrachloroethene	ND	ug/L	1000	1000		04/24/10 21:40	127-18-4	
Tetrahydrofuran	ND	ug/L	10000	1000		04/24/10 21:40	109-99-9	
Toluene	**144000**	ug/L	1000	1000		04/24/10 21:40	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1000	1000		04/24/10 21:40	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1000	1000		04/24/10 21:40	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1000	1000		04/24/10 21:40	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1000	1000		04/24/10 21:40	79-00-5	
Trichloroethene	ND	ug/L	1000	1000		04/24/10 21:40	79-01-6	
Trichlorofluoromethane	ND	ug/L	1000	1000		04/24/10 21:40	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1000	1000		04/24/10 21:40	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1000	1000		04/24/10 21:40	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1000	1000		04/24/10 21:40	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1000	1000		04/24/10 21:40	108-67-8	
Vinyl chloride	ND	ug/L	400	1000		04/24/10 21:40	75-01-4	
Xylene (Total)	**22800**	ug/L	3000	1000		04/24/10 21:40	1330-20-7	
m&p-Xylene	**18000**	ug/L	2000	1000		04/24/10 21:40	179601-23-1	
o-Xylene	**4760**	ug/L	1000	1000		04/24/10 21:40	95-47-6	
Dibromofluoromethane (S)	100	%	75-125	1000		04/24/10 21:40	1868-53-7	
1,2-Dichloroethane-d4 (S)	108	%	75-125	1000		04/24/10 21:40	17060-07-0	
Toluene-d8 (S)	90	%	75-125	1000		04/24/10 21:40	2037-26-5	
4-Bromofluorobenzene (S)	99	%	75-125	1000		04/24/10 21:40	460-00-4	

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ANALYTICAL RESULTS

Project: 60154982 SUPERIOR WLP
Pace Project No.: 10127075

Sample: MW-8 **Lab ID: 10127075003** Collected: 04/22/10 09:20 Received: 04/22/10 15:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510							
Acenaphthene	**65.7**	ug/L	0.81	20	04/23/10 12:16	04/30/10 17:50	83-32-9	
Acenaphthylene	**10.4**	ug/L	0.81	20	04/23/10 12:16	04/30/10 17:50	208-96-8	
Anthracene	**6.5**	ug/L	0.041	1	04/23/10 12:16	04/29/10 02:21	120-12-7	
Benzo(a)anthracene	**0.62**	ug/L	0.041	1	04/23/10 12:16	04/29/10 02:21	56-55-3	
Benzo(a)pyrene	**0.24**	ug/L	0.041	1	04/23/10 12:16	04/29/10 02:21	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.30	1	04/23/10 12:16	04/29/10 02:21	205-99-2	
Benzo(g,h,i)perylene	**0.062**	ug/L	0.041	1	04/23/10 12:16	04/29/10 02:21	191-24-2	
Benzo(k)fluoranthene	**0.092**	ug/L	0.041	1	04/23/10 12:16	04/29/10 02:21	207-08-9	
Chrysene	**0.42**	ug/L	0.041	1	04/23/10 12:16	04/29/10 02:21	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.041	1	04/23/10 12:16	04/29/10 02:21	53-70-3	
Fluoranthene	**4.5**	ug/L	0.041	1	04/23/10 12:16	04/29/10 02:21	206-44-0	
Fluorene	**19.7**	ug/L	0.81	20	04/23/10 12:16	04/30/10 17:50	86-73-7	
Indeno(1,2,3-cd)pyrene	**0.046**	ug/L	0.041	1	04/23/10 12:16	04/29/10 02:21	193-39-5	
Naphthalene	**702**	ug/L	8.1	200	04/23/10 12:16	05/03/10 10:23	91-20-3	
Phenanthrene	**28.6**	ug/L	0.81	20	04/23/10 12:16	04/30/10 17:50	85-01-8	
Pyrene	**5.3**	ug/L	0.041	1	04/23/10 12:16	04/29/10 02:21	129-00-0	
2-Fluorobiphenyl (S)	97	%	58-125	1	04/23/10 12:16	04/29/10 02:21	321-60-8	
Terphenyl-d14 (S)	112	%	57-134	1	04/23/10 12:16	04/29/10 02:21	1718-51-0	
8260 VOC	Analytical Method: EPA 8260							
Acetone	ND	ug/L	10000	1000		04/24/10 22:01	67-64-1	L1
Allyl chloride	ND	ug/L	4000	1000		04/24/10 22:01	107-05-1	
Benzene	**152000**	ug/L	1000	1000		04/24/10 22:01	71-43-2	
Bromobenzene	ND	ug/L	1000	1000		04/24/10 22:01	108-86-1	
Bromochloromethane	ND	ug/L	1000	1000		04/24/10 22:01	74-97-5	
Bromodichloromethane	ND	ug/L	1000	1000		04/24/10 22:01	75-27-4	
Bromoform	ND	ug/L	8000	1000		04/24/10 22:01	75-25-2	
Bromomethane	ND	ug/L	4000	1000		04/24/10 22:01	74-83-9	
2-Butanone (MEK)	ND	ug/L	4000	1000		04/24/10 22:01	78-93-3	
n-Butylbenzene	ND	ug/L	1000	1000		04/24/10 22:01	104-51-8	
sec-Butylbenzene	ND	ug/L	1000	1000		04/24/10 22:01	135-98-8	
tert-Butylbenzene	ND	ug/L	1000	1000		04/24/10 22:01	98-06-6	
Carbon tetrachloride	ND	ug/L	4000	1000		04/24/10 22:01	56-23-5	
Chlorobenzene	ND	ug/L	1000	1000		04/24/10 22:01	108-90-7	
Chloroethane	ND	ug/L	1000	1000		04/24/10 22:01	75-00-3	
Chloroform	ND	ug/L	1000	1000		04/24/10 22:01	67-66-3	
Chloromethane	ND	ug/L	4000	1000		04/24/10 22:01	74-87-3	
2-Chlorotoluene	ND	ug/L	1000	1000		04/24/10 22:01	95-49-8	
4-Chlorotoluene	ND	ug/L	1000	1000		04/24/10 22:01	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4000	1000		04/24/10 22:01	96-12-8	
Dibromochloromethane	ND	ug/L	1000	1000		04/24/10 22:01	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1000	1000		04/24/10 22:01	106-93-4	
Dibromomethane	ND	ug/L	4000	1000		04/24/10 22:01	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1000	1000		04/24/10 22:01	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1000	1000		04/24/10 22:01	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1000	1000		04/24/10 22:01	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1000	1000		04/24/10 22:01	75-71-8	

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ANALYTICAL RESULTS

Project: 60154982 SUPERIOR WLP
Pace Project No.: 10127075

Sample: MW-8 **Lab ID: 10127075003** Collected: 04/22/10 09:20 Received: 04/22/10 15:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
1,1-Dichloroethane	ND	ug/L	1000	1000		04/24/10 22:01	75-34-3	
1,2-Dichloroethane	ND	ug/L	1000	1000		04/24/10 22:01	107-06-2	
1,1-Dichloroethene	ND	ug/L	1000	1000		04/24/10 22:01	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1000	1000		04/24/10 22:01	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1000	1000		04/24/10 22:01	156-60-5	
Dichlorofluoromethane	ND	ug/L	1000	1000		04/24/10 22:01	75-43-4	
1,2-Dichloropropane	ND	ug/L	1000	1000		04/24/10 22:01	78-87-5	
1,3-Dichloropropane	ND	ug/L	1000	1000		04/24/10 22:01	142-28-9	
2,2-Dichloropropane	ND	ug/L	4000	1000		04/24/10 22:01	594-20-7	
1,1-Dichloropropene	ND	ug/L	1000	1000		04/24/10 22:01	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4000	1000		04/24/10 22:01	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4000	1000		04/24/10 22:01	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4000	1000		04/24/10 22:01	60-29-7	
Ethylbenzene	**1700**	ug/L	1000	1000		04/24/10 22:01	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	4000	1000		04/24/10 22:01	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1000	1000		04/24/10 22:01	98-82-8	
p-Isopropyltoluene	ND	ug/L	1000	1000		04/24/10 22:01	99-87-6	
Methylene Chloride	ND	ug/L	4000	1000		04/24/10 22:01	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	4000	1000		04/24/10 22:01	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1000	1000		04/24/10 22:01	1634-04-4	
Naphthalene	ND	ug/L	4000	1000		04/24/10 22:01	91-20-3	
n-Propylbenzene	ND	ug/L	1000	1000		04/24/10 22:01	103-65-1	
Styrene	**5210**	ug/L	1000	1000		04/24/10 22:01	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1000	1000		04/24/10 22:01	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1000	1000		04/24/10 22:01	79-34-5	
Tetrachloroethene	ND	ug/L	1000	1000		04/24/10 22:01	127-18-4	
Tetrahydrofuran	ND	ug/L	10000	1000		04/24/10 22:01	109-99-9	
Toluene	**112000**	ug/L	1000	1000		04/24/10 22:01	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1000	1000		04/24/10 22:01	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1000	1000		04/24/10 22:01	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1000	1000		04/24/10 22:01	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1000	1000		04/24/10 22:01	79-00-5	
Trichloroethene	ND	ug/L	1000	1000		04/24/10 22:01	79-01-6	
Trichlorofluoromethane	ND	ug/L	1000	1000		04/24/10 22:01	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1000	1000		04/24/10 22:01	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1000	1000		04/24/10 22:01	76-13-1	
1,2,4-Trimethylbenzene	**1050**	ug/L	1000	1000		04/24/10 22:01	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1000	1000		04/24/10 22:01	108-67-8	
Vinyl chloride	ND	ug/L	400	1000		04/24/10 22:01	75-01-4	
Xylene (Total)	**24000**	ug/L	3000	1000		04/24/10 22:01	1330-20-7	
m&p-Xylene	**19400**	ug/L	2000	1000		04/24/10 22:01	179601-23-1	
o-Xylene	**4590**	ug/L	1000	1000		04/24/10 22:01	95-47-6	
Dibromofluoromethane (S)	99	%	75-125	1000		04/24/10 22:01	1868-53-7	
1,2-Dichloroethane-d4 (S)	112	%	75-125	1000		04/24/10 22:01	17060-07-0	
Toluene-d8 (S)	88	%	75-125	1000		04/24/10 22:01	2037-26-5	
4-Bromofluorobenzene (S)	102	%	75-125	1000		04/24/10 22:01	460-00-4	

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ANALYTICAL RESULTS

Project: 60154982 SUPERIOR WLP
Pace Project No.: 10127075

Sample: MW-9 **Lab ID: 10127075004** Collected: 04/22/10 10:10 Received: 04/22/10 15:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510							
Acenaphthene	**49.9**	ug/L	0.41	10	04/23/10 12:16	04/30/10 18:09	83-32-9	
Acenaphthylene	**1.2**	ug/L	0.041	1	04/23/10 12:16	04/29/10 02:40	208-96-8	
Anthracene	**5.8**	ug/L	0.041	1	04/23/10 12:16	04/29/10 02:40	120-12-7	
Benzo(a)anthracene	**0.71**	ug/L	0.041	1	04/23/10 12:16	04/29/10 02:40	56-55-3	
Benzo(a)pyrene	**0.34**	ug/L	0.041	1	04/23/10 12:16	04/29/10 02:40	50-32-8	
Benzo(b)fluoranthene	**0.31**	ug/L	0.31	1	04/23/10 12:16	04/29/10 02:40	205-99-2	
Benzo(g,h,i)perylene	**0.089**	ug/L	0.041	1	04/23/10 12:16	04/29/10 02:40	191-24-2	
Benzo(k)fluoranthene	**0.13**	ug/L	0.041	1	04/23/10 12:16	04/29/10 02:40	207-08-9	
Chrysene	**0.48**	ug/L	0.041	1	04/23/10 12:16	04/29/10 02:40	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.041	1	04/23/10 12:16	04/29/10 02:40	53-70-3	
Fluoranthene	**3.7**	ug/L	0.041	1	04/23/10 12:16	04/29/10 02:40	206-44-0	
Fluorene	**16.8**	ug/L	0.41	10	04/23/10 12:16	04/30/10 18:09	86-73-7	
Indeno(1,2,3-cd)pyrene	**0.071**	ug/L	0.041	1	04/23/10 12:16	04/29/10 02:40	193-39-5	
Naphthalene	**100**	ug/L	0.41	10	04/23/10 12:16	04/30/10 18:09	91-20-3	
Phenanthrene	**30.6**	ug/L	0.41	10	04/23/10 12:16	04/30/10 18:09	85-01-8	
Pyrene	**4.8**	ug/L	0.041	1	04/23/10 12:16	04/29/10 02:40	129-00-0	
2-Fluorobiphenyl (S)	72	%	58-125	1	04/23/10 12:16	04/29/10 02:40	321-60-8	
Terphenyl-d14 (S)	48	%	57-134	1	04/23/10 12:16	04/29/10 02:40	1718-51-0	S5
8260 VOC	Analytical Method: EPA 8260							
Acetone	ND	ug/L	1000	100		04/25/10 21:47	67-64-1	
Allyl chloride	ND	ug/L	400	100		04/25/10 21:47	107-05-1	
Benzene	**8990**	ug/L	100	100		04/25/10 21:47	71-43-2	
Bromobenzene	ND	ug/L	100	100		04/25/10 21:47	108-86-1	
Bromochloromethane	ND	ug/L	100	100		04/25/10 21:47	74-97-5	
Bromodichloromethane	ND	ug/L	100	100		04/25/10 21:47	75-27-4	
Bromoform	ND	ug/L	800	100		04/25/10 21:47	75-25-2	
Bromomethane	ND	ug/L	400	100		04/25/10 21:47	74-83-9	
2-Butanone (MEK)	ND	ug/L	400	100		04/25/10 21:47	78-93-3	
n-Butylbenzene	ND	ug/L	100	100		04/25/10 21:47	104-51-8	
sec-Butylbenzene	ND	ug/L	100	100		04/25/10 21:47	135-98-8	
tert-Butylbenzene	ND	ug/L	100	100		04/25/10 21:47	98-06-6	
Carbon tetrachloride	ND	ug/L	100	100		04/25/10 21:47	56-23-5	
Chlorobenzene	ND	ug/L	100	100		04/25/10 21:47	108-90-7	
Chloroethane	ND	ug/L	100	100		04/25/10 21:47	75-00-3	
Chloroform	ND	ug/L	100	100		04/25/10 21:47	67-66-3	
Chloromethane	ND	ug/L	400	100		04/25/10 21:47	74-87-3	
2-Chlorotoluene	ND	ug/L	100	100		04/25/10 21:47	95-49-8	
4-Chlorotoluene	ND	ug/L	100	100		04/25/10 21:47	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	400	100		04/25/10 21:47	96-12-8	
Dibromochloromethane	ND	ug/L	100	100		04/25/10 21:47	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	100	100		04/25/10 21:47	106-93-4	
Dibromomethane	ND	ug/L	100	100		04/25/10 21:47	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	100	100		04/25/10 21:47	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	100	100		04/25/10 21:47	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	100	100		04/25/10 21:47	106-46-7	
Dichlorodifluoromethane	ND	ug/L	100	100		04/25/10 21:47	75-71-8	

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ANALYTICAL RESULTS

Project: 60154982 SUPERIOR WLP
Pace Project No.: 10127075

Sample: MW-9 **Lab ID: 10127075004** Collected: 04/22/10 10:10 Received: 04/22/10 15:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
1,1-Dichloroethane	ND	ug/L	100	100		04/25/10 21:47	75-34-3	
1,2-Dichloroethane	ND	ug/L	100	100		04/25/10 21:47	107-06-2	
1,1-Dichloroethene	ND	ug/L	100	100		04/25/10 21:47	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	100	100		04/25/10 21:47	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	100	100		04/25/10 21:47	156-60-5	
Dichlorofluoromethane	ND	ug/L	100	100		04/25/10 21:47	75-43-4	
1,2-Dichloropropane	ND	ug/L	100	100		04/25/10 21:47	78-87-5	
1,3-Dichloropropane	ND	ug/L	100	100		04/25/10 21:47	142-28-9	
2,2-Dichloropropane	ND	ug/L	100	100		04/25/10 21:47	594-20-7	
1,1-Dichloropropene	ND	ug/L	100	100		04/25/10 21:47	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	400	100		04/25/10 21:47	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	400	100		04/25/10 21:47	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	400	100		04/25/10 21:47	60-29-7	
Ethylbenzene	**266**	ug/L	100	100		04/25/10 21:47	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	400	100		04/25/10 21:47	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	100	100		04/25/10 21:47	98-82-8	
p-Isopropyltoluene	ND	ug/L	100	100		04/25/10 21:47	99-87-6	
Methylene Chloride	ND	ug/L	400	100		04/25/10 21:47	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	400	100		04/25/10 21:47	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	100	100		04/25/10 21:47	1634-04-4	
Naphthalene	ND	ug/L	400	100		04/25/10 21:47	91-20-3	
n-Propylbenzene	ND	ug/L	100	100		04/25/10 21:47	103-65-1	
Styrene	ND	ug/L	100	100		04/25/10 21:47	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	100	100		04/25/10 21:47	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	100	100		04/25/10 21:47	79-34-5	
Tetrachloroethene	ND	ug/L	100	100		04/25/10 21:47	127-18-4	
Tetrahydrofuran	ND	ug/L	1000	100		04/25/10 21:47	109-99-9	
Toluene	**1310**	ug/L	100	100		04/25/10 21:47	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	100	100		04/25/10 21:47	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	100	100		04/25/10 21:47	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	100	100		04/25/10 21:47	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	100	100		04/25/10 21:47	79-00-5	
Trichloroethene	ND	ug/L	100	100		04/25/10 21:47	79-01-6	
Trichlorofluoromethane	ND	ug/L	100	100		04/25/10 21:47	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	100	100		04/25/10 21:47	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	100	100		04/25/10 21:47	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	100	100		04/25/10 21:47	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	100	100		04/25/10 21:47	108-67-8	
Vinyl chloride	ND	ug/L	40.0	100		04/25/10 21:47	75-01-4	
Xylene (Total)	**742**	ug/L	300	100		04/25/10 21:47	1330-20-7	
m&p-Xylene	**578**	ug/L	200	100		04/25/10 21:47	179601-23-1	
o-Xylene	**164**	ug/L	100	100		04/25/10 21:47	95-47-6	
Dibromofluoromethane (S)	99	%	75-125	100		04/25/10 21:47	1868-53-7	
1,2-Dichloroethane-d4 (S)	101	%	75-125	100		04/25/10 21:47	17060-07-0	
Toluene-d8 (S)	102	%	75-125	100		04/25/10 21:47	2037-26-5	
4-Bromofluorobenzene (S)	100	%	75-125	100		04/25/10 21:47	460-00-4	

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ANALYTICAL RESULTS

Project: 60154982 SUPERIOR WLP
Pace Project No.: 10127075

Sample: MW-10 **Lab ID: 10127075005** Collected: 04/21/10 18:00 Received: 04/22/10 15:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510							
Acenaphthene	**35.1**	ug/L	0.40	10	04/23/10 12:16	04/30/10 18:28	83-32-9	
Acenaphthylene	**0.99**	ug/L	0.040	1	04/23/10 12:16	04/29/10 02:59	208-96-8	
Anthracene	**2.1**	ug/L	0.040	1	04/23/10 12:16	04/29/10 02:59	120-12-7	
Benzo(a)anthracene	**0.46**	ug/L	0.040	1	04/23/10 12:16	04/29/10 02:59	56-55-3	
Benzo(a)pyrene	**0.31**	ug/L	0.040	1	04/23/10 12:16	04/29/10 02:59	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.30	1	04/23/10 12:16	04/29/10 02:59	205-99-2	
Benzo(g,h,i)perylene	**0.088**	ug/L	0.040	1	04/23/10 12:16	04/29/10 02:59	191-24-2	
Benzo(k)fluoranthene	**0.12**	ug/L	0.040	1	04/23/10 12:16	04/29/10 02:59	207-08-9	
Chrysene	**0.36**	ug/L	0.040	1	04/23/10 12:16	04/29/10 02:59	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.040	1	04/23/10 12:16	04/29/10 02:59	53-70-3	
Fluoranthene	**1.6**	ug/L	0.040	1	04/23/10 12:16	04/29/10 02:59	206-44-0	
Fluorene	**8.5**	ug/L	0.040	1	04/23/10 12:16	04/29/10 02:59	86-73-7	
Indeno(1,2,3-cd)pyrene	**0.069**	ug/L	0.040	1	04/23/10 12:16	04/29/10 02:59	193-39-5	
Naphthalene	**73.1**	ug/L	0.40	10	04/23/10 12:16	04/30/10 18:28	91-20-3	
Phenanthrene	**9.4**	ug/L	0.40	10	04/23/10 12:16	04/30/10 18:28	85-01-8	
Pyrene	**2.0**	ug/L	0.040	1	04/23/10 12:16	04/29/10 02:59	129-00-0	
2-Fluorobiphenyl (S)	105	%	58-125	1	04/23/10 12:16	04/29/10 02:59	321-60-8	
Terphenyl-d14 (S)	112	%	57-134	1	04/23/10 12:16	04/29/10 02:59	1718-51-0	
8260 VOC	Analytical Method: EPA 8260							
Acetone	ND	ug/L	20.0	2		04/25/10 23:55	67-64-1	
Allyl chloride	ND	ug/L	8.0	2		04/25/10 23:55	107-05-1	
Benzene	**6010**	ug/L	25.0	25		04/27/10 17:48	71-43-2	
Bromobenzene	ND	ug/L	2.0	2		04/25/10 23:55	108-86-1	
Bromochloromethane	ND	ug/L	2.0	2		04/25/10 23:55	74-97-5	
Bromodichloromethane	ND	ug/L	2.0	2		04/25/10 23:55	75-27-4	
Bromoform	ND	ug/L	16.0	2		04/25/10 23:55	75-25-2	
Bromomethane	ND	ug/L	8.0	2		04/25/10 23:55	74-83-9	
2-Butanone (MEK)	ND	ug/L	8.0	2		04/25/10 23:55	78-93-3	
n-Butylbenzene	ND	ug/L	2.0	2		04/25/10 23:55	104-51-8	
sec-Butylbenzene	ND	ug/L	2.0	2		04/25/10 23:55	135-98-8	
tert-Butylbenzene	ND	ug/L	2.0	2		04/25/10 23:55	98-06-6	
Carbon tetrachloride	ND	ug/L	2.0	2		04/25/10 23:55	56-23-5	
Chlorobenzene	ND	ug/L	2.0	2		04/25/10 23:55	108-90-7	
Chloroethane	ND	ug/L	2.0	2		04/25/10 23:55	75-00-3	
Chloroform	ND	ug/L	2.0	2		04/25/10 23:55	67-66-3	
Chloromethane	ND	ug/L	8.0	2		04/25/10 23:55	74-87-3	
2-Chlorotoluene	ND	ug/L	2.0	2		04/25/10 23:55	95-49-8	
4-Chlorotoluene	ND	ug/L	2.0	2		04/25/10 23:55	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	8.0	2		04/25/10 23:55	96-12-8	
Dibromochloromethane	ND	ug/L	2.0	2		04/25/10 23:55	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	2.0	2		04/25/10 23:55	106-93-4	
Dibromomethane	ND	ug/L	2.0	2		04/25/10 23:55	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	2.0	2		04/25/10 23:55	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	2.0	2		04/25/10 23:55	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	2.0	2		04/25/10 23:55	106-46-7	
Dichlorodifluoromethane	ND	ug/L	2.0	2		04/25/10 23:55	75-71-8	

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ANALYTICAL RESULTS

Project: 60154982 SUPERIOR WLP
Pace Project No.: 10127075

Sample: MW-10 **Lab ID: 10127075005** Collected: 04/21/10 18:00 Received: 04/22/10 15:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
1,1-Dichloroethane	ND	ug/L	2.0	2		04/25/10 23:55	75-34-3	
1,2-Dichloroethane	ND	ug/L	2.0	2		04/25/10 23:55	107-06-2	
1,1-Dichloroethene	ND	ug/L	2.0	2		04/25/10 23:55	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	2.0	2		04/25/10 23:55	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	2.0	2		04/25/10 23:55	156-60-5	
Dichlorofluoromethane	ND	ug/L	2.0	2		04/25/10 23:55	75-43-4	
1,2-Dichloropropane	ND	ug/L	2.0	2		04/25/10 23:55	78-87-5	
1,3-Dichloropropane	ND	ug/L	2.0	2		04/25/10 23:55	142-28-9	
2,2-Dichloropropane	ND	ug/L	2.0	2		04/25/10 23:55	594-20-7	
1,1-Dichloropropene	ND	ug/L	2.0	2		04/25/10 23:55	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	8.0	2		04/25/10 23:55	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	8.0	2		04/25/10 23:55	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	8.0	2		04/25/10 23:55	60-29-7	
Ethylbenzene	**206**	ug/L	2.0	2		04/25/10 23:55	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	8.0	2		04/25/10 23:55	87-68-3	
Isopropylbenzene (Cumene)	**5.2**	ug/L	2.0	2		04/25/10 23:55	98-82-8	
p-Isopropyltoluene	**8.3**	ug/L	2.0	2		04/25/10 23:55	99-87-6	
Methylene Chloride	ND	ug/L	8.0	2		04/25/10 23:55	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	8.0	2		04/25/10 23:55	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	2.0	2		04/25/10 23:55	1634-04-4	
Naphthalene	**117**	ug/L	8.0	2		04/25/10 23:55	91-20-3	
n-Propylbenzene	ND	ug/L	2.0	2		04/25/10 23:55	103-65-1	
Styrene	**44.1**	ug/L	2.0	2		04/25/10 23:55	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	2.0	2		04/25/10 23:55	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	2.0	2		04/25/10 23:55	79-34-5	
Tetrachloroethene	ND	ug/L	2.0	2		04/25/10 23:55	127-18-4	
Tetrahydrofuran	ND	ug/L	20.0	2		04/25/10 23:55	109-99-9	
Toluene	**1600**	ug/L	25.0	25		04/27/10 17:48	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	2.0	2		04/25/10 23:55	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	2.0	2		04/25/10 23:55	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	2.0	2		04/25/10 23:55	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	2.0	2		04/25/10 23:55	79-00-5	
Trichloroethene	ND	ug/L	2.0	2		04/25/10 23:55	79-01-6	
Trichlorofluoromethane	ND	ug/L	2.0	2		04/25/10 23:55	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	2.0	2		04/25/10 23:55	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	2.0	2		04/25/10 23:55	76-13-1	
1,2,4-Trimethylbenzene	**36.7**	ug/L	2.0	2		04/25/10 23:55	95-63-6	
1,3,5-Trimethylbenzene	**13.6**	ug/L	2.0	2		04/25/10 23:55	108-67-8	
Vinyl chloride	ND	ug/L	0.80	2		04/25/10 23:55	75-01-4	
Xylene (Total)	**837**	ug/L	6.0	2		04/25/10 23:55	1330-20-7	
m&p-Xylene	**665**	ug/L	4.0	2		04/25/10 23:55	179601-23-1	
o-Xylene	**172**	ug/L	2.0	2		04/25/10 23:55	95-47-6	
Dibromofluoromethane (S)	88	%	75-125	2		04/25/10 23:55	1868-53-7	
1,2-Dichloroethane-d4 (S)	101	%	75-125	2		04/25/10 23:55	17060-07-0	
Toluene-d8 (S)	101	%	75-125	2		04/25/10 23:55	2037-26-5	
4-Bromofluorobenzene (S)	102	%	75-125	2		04/25/10 23:55	460-00-4	

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ANALYTICAL RESULTS

Project: 60154982 SUPERIOR WLP
Pace Project No.: 10127075

Sample: MW-11 **Lab ID: 10127075006** Collected: 04/22/10 08:55 Received: 04/22/10 15:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510							
Acenaphthene	**4.4**	ug/L	0.041	1	04/23/10 12:16	04/29/10 03:18	83-32-9	
Acenaphthylene	ND	ug/L	0.041	1	04/23/10 12:16	04/29/10 03:18	208-96-8	
Anthracene	**0.071**	ug/L	0.041	1	04/23/10 12:16	04/29/10 03:18	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.041	1	04/23/10 12:16	04/29/10 03:18	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.041	1	04/23/10 12:16	04/29/10 03:18	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.31	1	04/23/10 12:16	04/29/10 03:18	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.041	1	04/23/10 12:16	04/29/10 03:18	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.041	1	04/23/10 12:16	04/29/10 03:18	207-08-9	
Chrysene	ND	ug/L	0.041	1	04/23/10 12:16	04/29/10 03:18	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.041	1	04/23/10 12:16	04/29/10 03:18	53-70-3	
Fluoranthene	ND	ug/L	0.041	1	04/23/10 12:16	04/29/10 03:18	206-44-0	
Fluorene	**0.78**	ug/L	0.041	1	04/23/10 12:16	04/29/10 03:18	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.041	1	04/23/10 12:16	04/29/10 03:18	193-39-5	
Naphthalene	**0.92**	ug/L	0.041	1	04/23/10 12:16	04/29/10 03:18	91-20-3	
Phenanthrene	**0.23**	ug/L	0.041	1	04/23/10 12:16	04/29/10 03:18	85-01-8	
Pyrene	**0.043**	ug/L	0.041	1	04/23/10 12:16	04/29/10 03:18	129-00-0	
2-Fluorobiphenyl (S)	93	%	58-125	1	04/23/10 12:16	04/29/10 03:18	321-60-8	
Terphenyl-d14 (S)	115	%	57-134	1	04/23/10 12:16	04/29/10 03:18	1718-51-0	
8260 VOC	Analytical Method: EPA 8260							
Acetone	ND	ug/L	10.0	1		04/25/10 18:16	67-64-1	L1
Allyl chloride	ND	ug/L	4.0	1		04/25/10 18:16	107-05-1	
Benzene	ND	ug/L	1.0	1		04/25/10 18:16	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		04/25/10 18:16	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		04/25/10 18:16	74-97-5	M0
Bromodichloromethane	ND	ug/L	1.0	1		04/25/10 18:16	75-27-4	
Bromoform	ND	ug/L	8.0	1		04/25/10 18:16	75-25-2	
Bromomethane	ND	ug/L	4.0	1		04/25/10 18:16	74-83-9	L1,M0
2-Butanone (MEK)	ND	ug/L	4.0	1		04/25/10 18:16	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		04/25/10 18:16	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		04/25/10 18:16	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		04/25/10 18:16	98-06-6	
Carbon tetrachloride	ND	ug/L	4.0	1		04/25/10 18:16	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		04/25/10 18:16	108-90-7	
Chloroethane	ND	ug/L	1.0	1		04/25/10 18:16	75-00-3	
Chloroform	ND	ug/L	1.0	1		04/25/10 18:16	67-66-3	
Chloromethane	ND	ug/L	4.0	1		04/25/10 18:16	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		04/25/10 18:16	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		04/25/10 18:16	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		04/25/10 18:16	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		04/25/10 18:16	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		04/25/10 18:16	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		04/25/10 18:16	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		04/25/10 18:16	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		04/25/10 18:16	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		04/25/10 18:16	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		04/25/10 18:16	75-71-8	

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ANALYTICAL RESULTS

Project: 60154982 SUPERIOR WLP
Pace Project No.: 10127075

Sample: MW-11 **Lab ID: 10127075006** Collected: 04/22/10 08:55 Received: 04/22/10 15:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
1,1-Dichloroethane	ND	ug/L	1.0	1		04/25/10 18:16	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		04/25/10 18:16	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		04/25/10 18:16	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		04/25/10 18:16	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		04/25/10 18:16	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		04/25/10 18:16	75-43-4	
1,2-Dichloropropane	ND	ug/L	1.0	1		04/25/10 18:16	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		04/25/10 18:16	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		04/25/10 18:16	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		04/25/10 18:16	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		04/25/10 18:16	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		04/25/10 18:16	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		04/25/10 18:16	60-29-7	M0
Ethylbenzene	ND	ug/L	1.0	1		04/25/10 18:16	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	4.0	1		04/25/10 18:16	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		04/25/10 18:16	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		04/25/10 18:16	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		04/25/10 18:16	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	4.0	1		04/25/10 18:16	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		04/25/10 18:16	1634-04-4	
Naphthalene	ND	ug/L	4.0	1		04/25/10 18:16	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		04/25/10 18:16	103-65-1	
Styrene	ND	ug/L	1.0	1		04/25/10 18:16	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		04/25/10 18:16	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		04/25/10 18:16	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		04/25/10 18:16	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		04/25/10 18:16	109-99-9	
Toluene	ND	ug/L	1.0	1		04/25/10 18:16	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		04/25/10 18:16	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		04/25/10 18:16	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		04/25/10 18:16	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		04/25/10 18:16	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		04/25/10 18:16	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		04/25/10 18:16	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		04/25/10 18:16	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		04/25/10 18:16	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		04/25/10 18:16	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		04/25/10 18:16	108-67-8	M0
Vinyl chloride	ND	ug/L	0.40	1		04/25/10 18:16	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		04/25/10 18:16	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		04/25/10 18:16	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		04/25/10 18:16	95-47-6	
Dibromofluoromethane (S)	102	%	75-125	1		04/25/10 18:16	1868-53-7	
1,2-Dichloroethane-d4 (S)	97	%	75-125	1		04/25/10 18:16	17060-07-0	
Toluene-d8 (S)	97	%	75-125	1		04/25/10 18:16	2037-26-5	
4-Bromofluorobenzene (S)	110	%	75-125	1		04/25/10 18:16	460-00-4	

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ANALYTICAL RESULTS

Project: 60154982 SUPERIOR WLP
Pace Project No.: 10127075

Sample: MW-15 **Lab ID: 10127075007** Collected: 04/21/10 16:05 Received: 04/22/10 15:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510							
Acenaphthene	**89.7**	ug/L	0.82	20	04/23/10 12:16	04/29/10 20:58	83-32-9	
Acenaphthylene	**2.1**	ug/L	0.041	1	04/23/10 12:16	04/29/10 15:29	208-96-8	
Anthracene	**1.0**	ug/L	0.041	1	04/23/10 12:16	04/29/10 15:29	120-12-7	
Benzo(a)anthracene	**0.19**	ug/L	0.041	1	04/23/10 12:16	04/29/10 15:29	56-55-3	
Benzo(a)pyrene	**0.061**	ug/L	0.041	1	04/23/10 12:16	04/29/10 15:29	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.31	1	04/23/10 12:16	04/29/10 15:29	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.041	1	04/23/10 12:16	04/29/10 15:29	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.041	1	04/23/10 12:16	04/29/10 15:29	207-08-9	
Chrysene	**0.17**	ug/L	0.041	1	04/23/10 12:16	04/29/10 15:29	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.041	1	04/23/10 12:16	04/29/10 15:29	53-70-3	
Fluoranthene	**1.3**	ug/L	0.041	1	04/23/10 12:16	04/29/10 15:29	206-44-0	
Fluorene	**16.5**	ug/L	0.82	20	04/23/10 12:16	04/29/10 20:58	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.041	1	04/23/10 12:16	04/29/10 15:29	193-39-5	
Naphthalene	**7.0**	ug/L	0.041	1	04/23/10 12:16	04/29/10 15:29	91-20-3	
Phenanthrene	**7.5**	ug/L	0.041	1	04/23/10 12:16	04/29/10 15:29	85-01-8	
Pyrene	**1.3**	ug/L	0.041	1	04/23/10 12:16	04/29/10 15:29	129-00-0	
2-Fluorobiphenyl (S)	103	%	58-125	1	04/23/10 12:16	04/29/10 15:29	321-60-8	
Terphenyl-d14 (S)	108	%	57-134	1	04/23/10 12:16	04/29/10 15:29	1718-51-0	
8260 VOC	Analytical Method: EPA 8260							
Acetone	ND	ug/L	10.0	1		04/25/10 22:12	67-64-1	L1
Allyl chloride	ND	ug/L	4.0	1		04/25/10 22:12	107-05-1	
Benzene	**15.7**	ug/L	1.0	1		04/25/10 22:12	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		04/25/10 22:12	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		04/25/10 22:12	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		04/25/10 22:12	75-27-4	
Bromoform	ND	ug/L	8.0	1		04/25/10 22:12	75-25-2	
Bromomethane	ND	ug/L	4.0	1		04/25/10 22:12	74-83-9	L1
2-Butanone (MEK)	ND	ug/L	4.0	1		04/25/10 22:12	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		04/25/10 22:12	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		04/25/10 22:12	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		04/25/10 22:12	98-06-6	
Carbon tetrachloride	ND	ug/L	4.0	1		04/25/10 22:12	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		04/25/10 22:12	108-90-7	
Chloroethane	ND	ug/L	1.0	1		04/25/10 22:12	75-00-3	
Chloroform	ND	ug/L	1.0	1		04/25/10 22:12	67-66-3	
Chloromethane	ND	ug/L	4.0	1		04/25/10 22:12	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		04/25/10 22:12	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		04/25/10 22:12	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		04/25/10 22:12	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		04/25/10 22:12	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		04/25/10 22:12	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		04/25/10 22:12	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		04/25/10 22:12	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		04/25/10 22:12	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		04/25/10 22:12	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		04/25/10 22:12	75-71-8	

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ANALYTICAL RESULTS

Project: 60154982 SUPERIOR WLP
Pace Project No.: 10127075

Sample: MW-15 **Lab ID: 10127075007** Collected: 04/21/10 16:05 Received: 04/22/10 15:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
1,1-Dichloroethane	ND	ug/L	1.0	1		04/25/10 22:12	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		04/25/10 22:12	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		04/25/10 22:12	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		04/25/10 22:12	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		04/25/10 22:12	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		04/25/10 22:12	75-43-4	
1,2-Dichloropropane	ND	ug/L	1.0	1		04/25/10 22:12	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		04/25/10 22:12	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		04/25/10 22:12	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		04/25/10 22:12	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		04/25/10 22:12	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		04/25/10 22:12	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		04/25/10 22:12	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		04/25/10 22:12	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	4.0	1		04/25/10 22:12	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		04/25/10 22:12	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		04/25/10 22:12	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		04/25/10 22:12	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	4.0	1		04/25/10 22:12	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		04/25/10 22:12	1634-04-4	
Naphthalene	**11.4**	ug/L	4.0	1		04/25/10 22:12	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		04/25/10 22:12	103-65-1	
Styrene	ND	ug/L	1.0	1		04/25/10 22:12	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		04/25/10 22:12	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		04/25/10 22:12	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		04/25/10 22:12	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		04/25/10 22:12	109-99-9	
Toluene	ND	ug/L	1.0	1		04/25/10 22:12	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		04/25/10 22:12	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		04/25/10 22:12	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		04/25/10 22:12	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		04/25/10 22:12	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		04/25/10 22:12	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		04/25/10 22:12	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		04/25/10 22:12	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		04/25/10 22:12	76-13-1	
1,2,4-Trimethylbenzene	**2.4**	ug/L	1.0	1		04/25/10 22:12	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		04/25/10 22:12	108-67-8	
Vinyl chloride	ND	ug/L	0.40	1		04/25/10 22:12	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		04/25/10 22:12	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		04/25/10 22:12	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		04/25/10 22:12	95-47-6	
Dibromofluoromethane (S)	102	%	75-125	1		04/25/10 22:12	1868-53-7	
1,2-Dichloroethane-d4 (S)	99	%	75-125	1		04/25/10 22:12	17060-07-0	
Toluene-d8 (S)	97	%	75-125	1		04/25/10 22:12	2037-26-5	
4-Bromofluorobenzene (S)	108	%	75-125	1		04/25/10 22:12	460-00-4	

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ANALYTICAL RESULTS

Project: 60154982 SUPERIOR WLP
Pace Project No.: 10127075

Sample: MW-16 **Lab ID: 10127075008** Collected: 04/21/10 16:50 Received: 04/22/10 15:15 Matrix: Water

Parameters	Results	Units	Report Limit	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	1	04/23/10 12:16	04/29/10 15:48	83-32-9	
Acenaphthylene	ND	ug/L	0.041	1	04/23/10 12:16	04/29/10 15:48	208-96-8	
Anthracene	ND	ug/L	0.041	1	04/23/10 12:16	04/29/10 15:48	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.041	1	04/23/10 12:16	04/29/10 15:48	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.041	1	04/23/10 12:16	04/29/10 15:48	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.31	1	04/23/10 12:16	04/29/10 15:48	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.041	1	04/23/10 12:16	04/29/10 15:48	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.041	1	04/23/10 12:16	04/29/10 15:48	207-08-9	
Chrysene	ND	ug/L	0.041	1	04/23/10 12:16	04/29/10 15:48	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.041	1	04/23/10 12:16	04/29/10 15:48	53-70-3	
Fluoranthene	ND	ug/L	0.041	1	04/23/10 12:16	04/29/10 15:48	206-44-0	
Fluorene	ND	ug/L	0.041	1	04/23/10 12:16	04/29/10 15:48	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.041	1	04/23/10 12:16	04/29/10 15:48	193-39-5	
Naphthalene	ND	ug/L	0.041	1	04/23/10 12:16	04/29/10 15:48	91-20-3	
Phenanthrene	ND	ug/L	0.041	1	04/23/10 12:16	04/29/10 15:48	85-01-8	
Pyrene	ND	ug/L	0.041	1	04/23/10 12:16	04/29/10 15:48	129-00-0	
2-Fluorobiphenyl (S)	97	%	58-125	1	04/23/10 12:16	04/29/10 15:48	321-60-8	
Terphenyl-d14 (S)	111	%	57-134	1	04/23/10 12:16	04/29/10 15:48	1718-51-0	
8260 VOC	Analytical Method: EPA 8260							
Acetone	ND	ug/L	10.0	1		04/27/10 04:26	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		04/27/10 04:26	107-05-1	
Benzene	ND	ug/L	1.0	1		04/27/10 04:26	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		04/27/10 04:26	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		04/27/10 04:26	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		04/27/10 04:26	75-27-4	
Bromoform	ND	ug/L	8.0	1		04/27/10 04:26	75-25-2	
Bromomethane	ND	ug/L	4.0	1		04/27/10 04:26	74-83-9	L1
2-Butanone (MEK)	ND	ug/L	4.0	1		04/27/10 04:26	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		04/27/10 04:26	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		04/27/10 04:26	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		04/27/10 04:26	98-06-6	
Carbon tetrachloride	ND	ug/L	4.0	1		04/27/10 04:26	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		04/27/10 04:26	108-90-7	
Chloroethane	ND	ug/L	1.0	1		04/27/10 04:26	75-00-3	
Chloroform	ND	ug/L	1.0	1		04/27/10 04:26	67-66-3	
Chloromethane	ND	ug/L	4.0	1		04/27/10 04:26	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		04/27/10 04:26	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		04/27/10 04:26	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		04/27/10 04:26	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		04/27/10 04:26	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		04/27/10 04:26	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		04/27/10 04:26	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		04/27/10 04:26	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		04/27/10 04:26	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		04/27/10 04:26	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		04/27/10 04:26	75-71-8	

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ANALYTICAL RESULTS

Project: 60154982 SUPERIOR WLP
Pace Project No.: 10127075

Sample: MW-16 **Lab ID: 10127075008** Collected: 04/21/10 16:50 Received: 04/22/10 15:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
1,1-Dichloroethane	ND	ug/L	1.0	1		04/27/10 04:26	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		04/27/10 04:26	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		04/27/10 04:26	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		04/27/10 04:26	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		04/27/10 04:26	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		04/27/10 04:26	75-43-4	
1,2-Dichloropropane	ND	ug/L	1.0	1		04/27/10 04:26	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		04/27/10 04:26	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		04/27/10 04:26	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		04/27/10 04:26	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		04/27/10 04:26	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		04/27/10 04:26	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		04/27/10 04:26	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		04/27/10 04:26	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	4.0	1		04/27/10 04:26	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		04/27/10 04:26	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		04/27/10 04:26	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		04/27/10 04:26	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	4.0	1		04/27/10 04:26	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		04/27/10 04:26	1634-04-4	
Naphthalene	ND	ug/L	4.0	1		04/27/10 04:26	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		04/27/10 04:26	103-65-1	
Styrene	ND	ug/L	1.0	1		04/27/10 04:26	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		04/27/10 04:26	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		04/27/10 04:26	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		04/27/10 04:26	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		04/27/10 04:26	109-99-9	
Toluene	ND	ug/L	1.0	1		04/27/10 04:26	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		04/27/10 04:26	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		04/27/10 04:26	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		04/27/10 04:26	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		04/27/10 04:26	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		04/27/10 04:26	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		04/27/10 04:26	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		04/27/10 04:26	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		04/27/10 04:26	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		04/27/10 04:26	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		04/27/10 04:26	108-67-8	
Vinyl chloride	ND	ug/L	0.40	1		04/27/10 04:26	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		04/27/10 04:26	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		04/27/10 04:26	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		04/27/10 04:26	95-47-6	
Dibromofluoromethane (S)	106	%	75-125	1		04/27/10 04:26	1868-53-7	
1,2-Dichloroethane-d4 (S)	100	%	75-125	1		04/27/10 04:26	17060-07-0	
Toluene-d8 (S)	96	%	75-125	1		04/27/10 04:26	2037-26-5	
4-Bromofluorobenzene (S)	97	%	75-125	1		04/27/10 04:26	460-00-4	

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ANALYTICAL RESULTS

Project: 60154982 SUPERIOR WLP
Pace Project No.: 10127075

Sample: MW-20 **Lab ID: 10127075009** Collected: 04/21/10 15:30 Received: 04/22/10 15:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510							
Acenaphthene	**36.2**	ug/L	0.41	10	04/23/10 12:16	04/29/10 21:17	83-32-9	
Acenaphthylene	**0.21**	ug/L	0.041	1	04/23/10 12:16	04/29/10 16:07	208-96-8	
Anthracene	**0.20**	ug/L	0.041	1	04/23/10 12:16	04/29/10 16:07	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.041	1	04/23/10 12:16	04/29/10 16:07	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.041	1	04/23/10 12:16	04/29/10 16:07	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.31	1	04/23/10 12:16	04/29/10 16:07	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.041	1	04/23/10 12:16	04/29/10 16:07	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.041	1	04/23/10 12:16	04/29/10 16:07	207-08-9	
Chrysene	ND	ug/L	0.041	1	04/23/10 12:16	04/29/10 16:07	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.041	1	04/23/10 12:16	04/29/10 16:07	53-70-3	
Fluoranthene	**0.23**	ug/L	0.041	1	04/23/10 12:16	04/29/10 16:07	206-44-0	
Fluorene	**2.6**	ug/L	0.041	1	04/23/10 12:16	04/29/10 16:07	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.041	1	04/23/10 12:16	04/29/10 16:07	193-39-5	
Naphthalene	**1.7**	ug/L	0.041	1	04/23/10 12:16	04/29/10 16:07	91-20-3	
Phenanthrene	**1.1**	ug/L	0.041	1	04/23/10 12:16	04/29/10 16:07	85-01-8	
Pyrene	**0.17**	ug/L	0.041	1	04/23/10 12:16	04/29/10 16:07	129-00-0	
2-Fluorobiphenyl (S)	92	%	58-125	1	04/23/10 12:16	04/29/10 16:07	321-60-8	
Terphenyl-d14 (S)	102	%	57-134	1	04/23/10 12:16	04/29/10 16:07	1718-51-0	
8260 VOC	Analytical Method: EPA 8260							
Acetone	ND	ug/L	50.0	5		04/27/10 13:24	67-64-1	
Allyl chloride	ND	ug/L	20.0	5		04/27/10 13:24	107-05-1	
Benzene	**378**	ug/L	5.0	5		04/27/10 13:24	71-43-2	
Bromobenzene	ND	ug/L	5.0	5		04/27/10 13:24	108-86-1	
Bromochloromethane	ND	ug/L	5.0	5		04/27/10 13:24	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	5		04/27/10 13:24	75-27-4	
Bromoform	ND	ug/L	40.0	5		04/27/10 13:24	75-25-2	
Bromomethane	ND	ug/L	20.0	5		04/27/10 13:24	74-83-9	L1
2-Butanone (MEK)	ND	ug/L	20.0	5		04/27/10 13:24	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	5		04/27/10 13:24	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	5		04/27/10 13:24	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	5		04/27/10 13:24	98-06-6	
Carbon tetrachloride	ND	ug/L	20.0	5		04/27/10 13:24	56-23-5	
Chlorobenzene	ND	ug/L	5.0	5		04/27/10 13:24	108-90-7	
Chloroethane	ND	ug/L	5.0	5		04/27/10 13:24	75-00-3	
Chloroform	ND	ug/L	5.0	5		04/27/10 13:24	67-66-3	
Chloromethane	ND	ug/L	20.0	5		04/27/10 13:24	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	5		04/27/10 13:24	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	5		04/27/10 13:24	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	20.0	5		04/27/10 13:24	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	5		04/27/10 13:24	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	5		04/27/10 13:24	106-93-4	
Dibromomethane	ND	ug/L	20.0	5		04/27/10 13:24	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	5		04/27/10 13:24	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	5		04/27/10 13:24	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	5		04/27/10 13:24	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	5		04/27/10 13:24	75-71-8	

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ANALYTICAL RESULTS

Project: 60154982 SUPERIOR WLP
Pace Project No.: 10127075

Sample: MW-20 **Lab ID: 10127075009** Collected: 04/21/10 15:30 Received: 04/22/10 15:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
1,1-Dichloroethane	ND	ug/L	5.0	5		04/27/10 13:24	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	5		04/27/10 13:24	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	5		04/27/10 13:24	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	5		04/27/10 13:24	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	5		04/27/10 13:24	156-60-5	
Dichlorofluoromethane	ND	ug/L	5.0	5		04/27/10 13:24	75-43-4	
1,2-Dichloropropane	ND	ug/L	5.0	5		04/27/10 13:24	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	5		04/27/10 13:24	142-28-9	
2,2-Dichloropropane	ND	ug/L	20.0	5		04/27/10 13:24	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	5		04/27/10 13:24	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	20.0	5		04/27/10 13:24	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	20.0	5		04/27/10 13:24	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	20.0	5		04/27/10 13:24	60-29-7	
Ethylbenzene	ND	ug/L	5.0	5		04/27/10 13:24	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	20.0	5		04/27/10 13:24	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	5		04/27/10 13:24	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	5		04/27/10 13:24	99-87-6	
Methylene Chloride	ND	ug/L	20.0	5		04/27/10 13:24	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	20.0	5		04/27/10 13:24	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	5.0	5		04/27/10 13:24	1634-04-4	
Naphthalene	ND	ug/L	20.0	5		04/27/10 13:24	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	5		04/27/10 13:24	103-65-1	
Styrene	ND	ug/L	5.0	5		04/27/10 13:24	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	5		04/27/10 13:24	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	5		04/27/10 13:24	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	5		04/27/10 13:24	127-18-4	
Tetrahydrofuran	ND	ug/L	50.0	5		04/27/10 13:24	109-99-9	
Toluene	ND	ug/L	5.0	5		04/27/10 13:24	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	5		04/27/10 13:24	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	5		04/27/10 13:24	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	5		04/27/10 13:24	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	5		04/27/10 13:24	79-00-5	
Trichloroethene	ND	ug/L	5.0	5		04/27/10 13:24	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	5		04/27/10 13:24	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	5		04/27/10 13:24	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	5		04/27/10 13:24	76-13-1	
1,2,4-Trimethylbenzene	**7.8**	ug/L	5.0	5		04/27/10 13:24	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	5		04/27/10 13:24	108-67-8	
Vinyl chloride	ND	ug/L	2.0	5		04/27/10 13:24	75-01-4	
Xylene (Total)	ND	ug/L	15.0	5		04/27/10 13:24	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	5		04/27/10 13:24	179601-23-1	
o-Xylene	ND	ug/L	5.0	5		04/27/10 13:24	95-47-6	
Dibromofluoromethane (S)	99	%	75-125	5		04/27/10 13:24	1868-53-7	
1,2-Dichloroethane-d4 (S)	105	%	75-125	5		04/27/10 13:24	17060-07-0	
Toluene-d8 (S)	93	%	75-125	5		04/27/10 13:24	2037-26-5	
4-Bromofluorobenzene (S)	99	%	75-125	5		04/27/10 13:24	460-00-4	

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ANALYTICAL RESULTS

Project: 60154982 SUPERIOR WLP
Pace Project No.: 10127075

Sample: MW-22 **Lab ID: 10127075010** Collected: 04/22/10 10:50 Received: 04/22/10 15:15 Matrix: Water

Parameters	Results	Units	Report Limit	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	1	04/27/10 10:06	04/28/10 16:52	83-32-9	
Acenaphthylene	ND	ug/L	0.041	1	04/27/10 10:06	04/28/10 16:52	208-96-8	
Anthracene	ND	ug/L	0.041	1	04/27/10 10:06	04/28/10 16:52	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.041	1	04/27/10 10:06	04/28/10 16:52	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.041	1	04/27/10 10:06	04/28/10 16:52	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.041	1	04/27/10 10:06	04/28/10 16:52	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.041	1	04/27/10 10:06	04/28/10 16:52	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.041	1	04/27/10 10:06	04/28/10 16:52	207-08-9	
Chrysene	ND	ug/L	0.041	1	04/27/10 10:06	04/28/10 16:52	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.041	1	04/27/10 10:06	04/28/10 16:52	53-70-3	
Fluoranthene	ND	ug/L	0.041	1	04/27/10 10:06	04/28/10 16:52	206-44-0	
Fluorene	ND	ug/L	0.041	1	04/27/10 10:06	04/28/10 16:52	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.041	1	04/27/10 10:06	04/28/10 16:52	193-39-5	
Naphthalene	**0.41**	ug/L	0.041	1	04/27/10 10:06	04/28/10 16:52	91-20-3	
Phenanthrene	**0.087**	ug/L	0.041	1	04/27/10 10:06	04/28/10 16:52	85-01-8	
Pyrene	**0.043**	ug/L	0.041	1	04/27/10 10:06	04/28/10 16:52	129-00-0	
2-Fluorobiphenyl (S)	93	%	58-125	1	04/27/10 10:06	04/28/10 16:52	321-60-8	
Terphenyl-d14 (S)	103	%	57-134	1	04/27/10 10:06	04/28/10 16:52	1718-51-0	
8260 VOC	Analytical Method: EPA 8260							
Acetone	**139**	ug/L	10.0	1		04/27/10 04:59	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		04/27/10 04:59	107-05-1	
Benzene	**5.3**	ug/L	1.0	1		04/27/10 04:59	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		04/27/10 04:59	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		04/27/10 04:59	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		04/27/10 04:59	75-27-4	
Bromoform	ND	ug/L	8.0	1		04/27/10 04:59	75-25-2	
Bromomethane	ND	ug/L	4.0	1		04/27/10 04:59	74-83-9	L1
2-Butanone (MEK)	**11.4**	ug/L	4.0	1		04/27/10 04:59	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		04/27/10 04:59	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		04/27/10 04:59	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		04/27/10 04:59	98-06-6	
Carbon tetrachloride	ND	ug/L	4.0	1		04/27/10 04:59	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		04/27/10 04:59	108-90-7	
Chloroethane	ND	ug/L	1.0	1		04/27/10 04:59	75-00-3	
Chloroform	ND	ug/L	1.0	1		04/27/10 04:59	67-66-3	
Chloromethane	ND	ug/L	4.0	1		04/27/10 04:59	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		04/27/10 04:59	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		04/27/10 04:59	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		04/27/10 04:59	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		04/27/10 04:59	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		04/27/10 04:59	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		04/27/10 04:59	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		04/27/10 04:59	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		04/27/10 04:59	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		04/27/10 04:59	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		04/27/10 04:59	75-71-8	

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ANALYTICAL RESULTS

Project: 60154982 SUPERIOR WLP
Pace Project No.: 10127075

Sample: MW-22 **Lab ID: 10127075010** Collected: 04/22/10 10:50 Received: 04/22/10 15:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
1,1-Dichloroethane	ND	ug/L	1.0	1		04/27/10 04:59	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		04/27/10 04:59	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		04/27/10 04:59	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		04/27/10 04:59	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		04/27/10 04:59	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		04/27/10 04:59	75-43-4	
1,2-Dichloropropane	ND	ug/L	1.0	1		04/27/10 04:59	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		04/27/10 04:59	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		04/27/10 04:59	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		04/27/10 04:59	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		04/27/10 04:59	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		04/27/10 04:59	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		04/27/10 04:59	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		04/27/10 04:59	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	4.0	1		04/27/10 04:59	87-68-3	
Isopropylbenzene (Cumene)	**1.4**	ug/L	1.0	1		04/27/10 04:59	98-82-8	
p-Isopropyltoluene	**2.7**	ug/L	1.0	1		04/27/10 04:59	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		04/27/10 04:59	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	4.0	1		04/27/10 04:59	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		04/27/10 04:59	1634-04-4	
Naphthalene	ND	ug/L	4.0	1		04/27/10 04:59	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		04/27/10 04:59	103-65-1	
Styrene	ND	ug/L	1.0	1		04/27/10 04:59	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		04/27/10 04:59	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		04/27/10 04:59	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		04/27/10 04:59	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		04/27/10 04:59	109-99-9	
Toluene	**1.7**	ug/L	1.0	1		04/27/10 04:59	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		04/27/10 04:59	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		04/27/10 04:59	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		04/27/10 04:59	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		04/27/10 04:59	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		04/27/10 04:59	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		04/27/10 04:59	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		04/27/10 04:59	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		04/27/10 04:59	76-13-1	
1,2,4-Trimethylbenzene	**8.6**	ug/L	1.0	1		04/27/10 04:59	95-63-6	
1,3,5-Trimethylbenzene	**4.8**	ug/L	1.0	1		04/27/10 04:59	108-67-8	
Vinyl chloride	ND	ug/L	0.40	1		04/27/10 04:59	75-01-4	
Xylene (Total)	**3.2**	ug/L	3.0	1		04/27/10 04:59	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		04/27/10 04:59	179601-23-1	
o-Xylene	**2.5**	ug/L	1.0	1		04/27/10 04:59	95-47-6	
Dibromofluoromethane (S)	108	%	75-125	1		04/27/10 04:59	1868-53-7	
1,2-Dichloroethane-d4 (S)	99	%	75-125	1		04/27/10 04:59	17060-07-0	
Toluene-d8 (S)	97	%	75-125	1		04/27/10 04:59	2037-26-5	
4-Bromofluorobenzene (S)	98	%	75-125	1		04/27/10 04:59	460-00-4	

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ANALYTICAL RESULTS

Project: 60154982 SUPERIOR WLP
Pace Project No.: 10127075

Sample: DUP-1 **Lab ID: 10127075011** Collected: 04/22/10 00:00 Received: 04/22/10 15:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510							
Acenaphthene	**3.8**	ug/L	0.041	1	04/27/10 10:06	04/28/10 17:11	83-32-9	
Acenaphthylene	**1.9**	ug/L	0.041	1	04/27/10 10:06	04/28/10 17:11	208-96-8	
Anthracene	**0.79**	ug/L	0.041	1	04/27/10 10:06	04/28/10 17:11	120-12-7	
Benzo(a)anthracene	**0.25**	ug/L	0.041	1	04/27/10 10:06	04/28/10 17:11	56-55-3	
Benzo(a)pyrene	**0.32**	ug/L	0.041	1	04/27/10 10:06	04/28/10 17:11	50-32-8	
Benzo(b)fluoranthene	**0.33**	ug/L	0.041	1	04/27/10 10:06	04/28/10 17:11	205-99-2	
Benzo(g,h,i)perylene	**0.27**	ug/L	0.041	1	04/27/10 10:06	04/28/10 17:11	191-24-2	
Benzo(k)fluoranthene	**0.11**	ug/L	0.041	1	04/27/10 10:06	04/28/10 17:11	207-08-9	
Chrysene	**0.26**	ug/L	0.041	1	04/27/10 10:06	04/28/10 17:11	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.041	1	04/27/10 10:06	04/28/10 17:11	53-70-3	
Fluoranthene	**0.99**	ug/L	0.041	1	04/27/10 10:06	04/28/10 17:11	206-44-0	
Fluorene	**2.5**	ug/L	0.041	1	04/27/10 10:06	04/28/10 17:11	86-73-7	
Indeno(1,2,3-cd)pyrene	**0.18**	ug/L	0.041	1	04/27/10 10:06	04/28/10 17:11	193-39-5	
Naphthalene	**400**	ug/L	4.1	100	04/27/10 10:06	05/04/10 13:33	91-20-3	
Phenanthrene	**3.5**	ug/L	0.041	1	04/27/10 10:06	04/28/10 17:11	85-01-8	
Pyrene	**1.2**	ug/L	0.041	1	04/27/10 10:06	04/28/10 17:11	129-00-0	
2-Fluorobiphenyl (S)	75	%	58-125	1	04/27/10 10:06	04/28/10 17:11	321-60-8	
Terphenyl-d14 (S)	61	%	57-134	1	04/27/10 10:06	04/28/10 17:11	1718-51-0	
8260 VOC	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25000	2500		04/27/10 14:31	67-64-1	
Allyl chloride	ND	ug/L	10000	2500		04/27/10 14:31	107-05-1	
Benzene	**197000**	ug/L	2500	2500		04/27/10 14:31	71-43-2	
Bromobenzene	ND	ug/L	2500	2500		04/27/10 14:31	108-86-1	
Bromochloromethane	ND	ug/L	2500	2500		04/27/10 14:31	74-97-5	
Bromodichloromethane	ND	ug/L	2500	2500		04/27/10 14:31	75-27-4	
Bromoform	ND	ug/L	20000	2500		04/27/10 14:31	75-25-2	
Bromomethane	ND	ug/L	10000	2500		04/27/10 14:31	74-83-9	L1
2-Butanone (MEK)	ND	ug/L	10000	2500		04/27/10 14:31	78-93-3	
n-Butylbenzene	ND	ug/L	2500	2500		04/27/10 14:31	104-51-8	
sec-Butylbenzene	ND	ug/L	2500	2500		04/27/10 14:31	135-98-8	
tert-Butylbenzene	ND	ug/L	2500	2500		04/27/10 14:31	98-06-6	
Carbon tetrachloride	ND	ug/L	10000	2500		04/27/10 14:31	56-23-5	
Chlorobenzene	ND	ug/L	2500	2500		04/27/10 14:31	108-90-7	
Chloroethane	ND	ug/L	2500	2500		04/27/10 14:31	75-00-3	
Chloroform	ND	ug/L	2500	2500		04/27/10 14:31	67-66-3	
Chloromethane	ND	ug/L	10000	2500		04/27/10 14:31	74-87-3	
2-Chlorotoluene	ND	ug/L	2500	2500		04/27/10 14:31	95-49-8	
4-Chlorotoluene	ND	ug/L	2500	2500		04/27/10 14:31	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	10000	2500		04/27/10 14:31	96-12-8	
Dibromochloromethane	ND	ug/L	2500	2500		04/27/10 14:31	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	2500	2500		04/27/10 14:31	106-93-4	
Dibromomethane	ND	ug/L	10000	2500		04/27/10 14:31	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	2500	2500		04/27/10 14:31	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	2500	2500		04/27/10 14:31	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	2500	2500		04/27/10 14:31	106-46-7	
Dichlorodifluoromethane	ND	ug/L	2500	2500		04/27/10 14:31	75-71-8	

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ANALYTICAL RESULTS

Project: 60154982 SUPERIOR WLP
Pace Project No.: 10127075

Sample: DUP-1 **Lab ID: 10127075011** Collected: 04/22/10 00:00 Received: 04/22/10 15:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
1,1-Dichloroethane	ND	ug/L	2500	2500		04/27/10 14:31	75-34-3	
1,2-Dichloroethane	ND	ug/L	2500	2500		04/27/10 14:31	107-06-2	
1,1-Dichloroethene	ND	ug/L	2500	2500		04/27/10 14:31	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	2500	2500		04/27/10 14:31	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	2500	2500		04/27/10 14:31	156-60-5	
Dichlorofluoromethane	ND	ug/L	2500	2500		04/27/10 14:31	75-43-4	
1,2-Dichloropropane	ND	ug/L	2500	2500		04/27/10 14:31	78-87-5	
1,3-Dichloropropane	ND	ug/L	2500	2500		04/27/10 14:31	142-28-9	
2,2-Dichloropropane	ND	ug/L	10000	2500		04/27/10 14:31	594-20-7	
1,1-Dichloropropene	ND	ug/L	2500	2500		04/27/10 14:31	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	10000	2500		04/27/10 14:31	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	10000	2500		04/27/10 14:31	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	10000	2500		04/27/10 14:31	60-29-7	
Ethylbenzene	**4350**	ug/L	2500	2500		04/27/10 14:31	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	10000	2500		04/27/10 14:31	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	2500	2500		04/27/10 14:31	98-82-8	
p-Isopropyltoluene	ND	ug/L	2500	2500		04/27/10 14:31	99-87-6	
Methylene Chloride	ND	ug/L	10000	2500		04/27/10 14:31	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10000	2500		04/27/10 14:31	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	2500	2500		04/27/10 14:31	1634-04-4	
Naphthalene	ND	ug/L	10000	2500		04/27/10 14:31	91-20-3	
n-Propylbenzene	ND	ug/L	2500	2500		04/27/10 14:31	103-65-1	
Styrene	ND	ug/L	2500	2500		04/27/10 14:31	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	2500	2500		04/27/10 14:31	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	2500	2500		04/27/10 14:31	79-34-5	
Tetrachloroethene	ND	ug/L	2500	2500		04/27/10 14:31	127-18-4	
Tetrahydrofuran	ND	ug/L	25000	2500		04/27/10 14:31	109-99-9	
Toluene	**104000**	ug/L	2500	2500		04/27/10 14:31	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	2500	2500		04/27/10 14:31	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	2500	2500		04/27/10 14:31	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	2500	2500		04/27/10 14:31	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	2500	2500		04/27/10 14:31	79-00-5	
Trichloroethene	ND	ug/L	2500	2500		04/27/10 14:31	79-01-6	
Trichlorofluoromethane	ND	ug/L	2500	2500		04/27/10 14:31	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	2500	2500		04/27/10 14:31	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	2500	2500		04/27/10 14:31	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	2500	2500		04/27/10 14:31	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	2500	2500		04/27/10 14:31	108-67-8	
Vinyl chloride	ND	ug/L	1000	2500		04/27/10 14:31	75-01-4	
Xylene (Total)	**19700**	ug/L	7500	2500		04/27/10 14:31	1330-20-7	
m&p-Xylene	**15300**	ug/L	5000	2500		04/27/10 14:31	179601-23-1	
o-Xylene	**4380**	ug/L	2500	2500		04/27/10 14:31	95-47-6	
Dibromofluoromethane (S)	99	%	75-125	2500		04/27/10 14:31	1868-53-7	
1,2-Dichloroethane-d4 (S)	105	%	75-125	2500		04/27/10 14:31	17060-07-0	
Toluene-d8 (S)	95	%	75-125	2500		04/27/10 14:31	2037-26-5	
4-Bromofluorobenzene (S)	106	%	75-125	2500		04/27/10 14:31	460-00-4	

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ANALYTICAL RESULTS

Project: 60154982 SUPERIOR WLP
Pace Project No.: 10127075

Sample: TRIP BLANK **Lab ID: 10127075012** Collected: 04/21/10 00:00 Received: 04/22/10 15:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
Acetone	ND	ug/L	10.0	1		04/25/10 01:53	67-64-1	L1
Allyl chloride	ND	ug/L	4.0	1		04/25/10 01:53	107-05-1	
Benzene	ND	ug/L	1.0	1		04/25/10 01:53	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		04/25/10 01:53	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		04/25/10 01:53	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		04/25/10 01:53	75-27-4	
Bromoform	ND	ug/L	8.0	1		04/25/10 01:53	75-25-2	
Bromomethane	ND	ug/L	4.0	1		04/25/10 01:53	74-83-9	
2-Butanone (MEK)	ND	ug/L	4.0	1		04/25/10 01:53	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		04/25/10 01:53	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		04/25/10 01:53	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		04/25/10 01:53	98-06-6	
Carbon tetrachloride	ND	ug/L	4.0	1		04/25/10 01:53	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		04/25/10 01:53	108-90-7	
Chloroethane	ND	ug/L	1.0	1		04/25/10 01:53	75-00-3	
Chloroform	ND	ug/L	1.0	1		04/25/10 01:53	67-66-3	
Chloromethane	ND	ug/L	4.0	1		04/25/10 01:53	74-87-3	L2
2-Chlorotoluene	ND	ug/L	1.0	1		04/25/10 01:53	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		04/25/10 01:53	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		04/25/10 01:53	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		04/25/10 01:53	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		04/25/10 01:53	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		04/25/10 01:53	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		04/25/10 01:53	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		04/25/10 01:53	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		04/25/10 01:53	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		04/25/10 01:53	75-71-8	L2
1,1-Dichloroethane	ND	ug/L	1.0	1		04/25/10 01:53	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		04/25/10 01:53	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		04/25/10 01:53	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		04/25/10 01:53	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		04/25/10 01:53	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		04/25/10 01:53	75-43-4	
1,2-Dichloropropane	ND	ug/L	1.0	1		04/25/10 01:53	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		04/25/10 01:53	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		04/25/10 01:53	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		04/25/10 01:53	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		04/25/10 01:53	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		04/25/10 01:53	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		04/25/10 01:53	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		04/25/10 01:53	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	4.0	1		04/25/10 01:53	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		04/25/10 01:53	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		04/25/10 01:53	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		04/25/10 01:53	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	4.0	1		04/25/10 01:53	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		04/25/10 01:53	1634-04-4	

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ANALYTICAL RESULTS

Project: 60154982 SUPERIOR WLP
Pace Project No.: 10127075

Sample: TRIP BLANK **Lab ID: 10127075012** Collected: 04/21/10 00:00 Received: 04/22/10 15:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
Naphthalene	ND	ug/L	4.0	1		04/25/10 01:53	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		04/25/10 01:53	103-65-1	
Styrene	ND	ug/L	1.0	1		04/25/10 01:53	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		04/25/10 01:53	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		04/25/10 01:53	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		04/25/10 01:53	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		04/25/10 01:53	109-99-9	
Toluene	ND	ug/L	1.0	1		04/25/10 01:53	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		04/25/10 01:53	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		04/25/10 01:53	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		04/25/10 01:53	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		04/25/10 01:53	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		04/25/10 01:53	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		04/25/10 01:53	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		04/25/10 01:53	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		04/25/10 01:53	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		04/25/10 01:53	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		04/25/10 01:53	108-67-8	
Vinyl chloride	ND	ug/L	0.40	1		04/25/10 01:53	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		04/25/10 01:53	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		04/25/10 01:53	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		04/25/10 01:53	95-47-6	
Dibromofluoromethane (S)	107	%	75-125	1		04/25/10 01:53	1868-53-7	
1,2-Dichloroethane-d4 (S)	102	%	75-125	1		04/25/10 01:53	17060-07-0	
Toluene-d8 (S)	103	%	75-125	1		04/25/10 01:53	2037-26-5	
4-Bromofluorobenzene (S)	111	%	75-125	1		04/25/10 01:53	460-00-4	

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QUALITY CONTROL DATA

Project: 60154982 SUPERIOR WLP
Pace Project No.: 10127075

QC Batch: OEXT/12771 Analysis Method: EPA 8270 by SIM
QC Batch Method: EPA 3510 Analysis Description: 8270 Water PAH by SIM MSSV
Associated Lab Samples: 10127075001, 10127075002, 10127075003, 10127075004, 10127075005, 10127075006, 10127075007, 10127075008, 10127075009

METHOD BLANK: 778694 Matrix: Water
Associated Lab Samples: 10127075001, 10127075002, 10127075003, 10127075004, 10127075005, 10127075006, 10127075007, 10127075008, 10127075009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Acenaphthene	ug/L	ND	0.040	04/29/10 01:05	
Acenaphthylene	ug/L	ND	0.040	04/29/10 01:05	
Anthracene	ug/L	ND	0.040	04/29/10 01:05	
Benzo(a)anthracene	ug/L	ND	0.040	04/29/10 01:05	
Benzo(a)pyrene	ug/L	ND	0.040	04/29/10 01:05	
Benzo(b)fluoranthene	ug/L	ND	0.30	04/29/10 01:05	
Benzo(g,h,i)perylene	ug/L	ND	0.040	04/29/10 01:05	
Benzo(k)fluoranthene	ug/L	ND	0.040	04/29/10 01:05	
Chrysene	ug/L	ND	0.040	04/29/10 01:05	
Dibenz(a,h)anthracene	ug/L	ND	0.040	04/29/10 01:05	
Fluoranthene	ug/L	ND	0.040	04/29/10 01:05	
Fluorene	ug/L	ND	0.040	04/29/10 01:05	
Indeno(1,2,3-cd)pyrene	ug/L	ND	0.040	04/29/10 01:05	
Naphthalene	ug/L	ND	0.040	04/29/10 01:05	
Phenanthrene	ug/L	ND	0.040	04/29/10 01:05	
Pyrene	ug/L	ND	0.040	04/29/10 01:05	
2-Fluorobiphenyl (S)	%	92	58-125	04/29/10 01:05	
Terphenyl-d14 (S)	%	94	57-134	04/29/10 01:05	

LABORATORY CONTROL SAMPLE: 778695

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Acenaphthene	ug/L	1	0.92	92	56-125	
Acenaphthylene	ug/L	1	0.94	94	51-125	
Anthracene	ug/L	1	0.98	98	58-125	
Benzo(a)anthracene	ug/L	1	0.92	92	61-125	
Benzo(a)pyrene	ug/L	1	0.97	97	56-125	
Benzo(b)fluoranthene	ug/L	1	0.91	91	54-125	
Benzo(g,h,i)perylene	ug/L	1	0.50	50	42-125	
Benzo(k)fluoranthene	ug/L	1	1.1	115	60-125	
Chrysene	ug/L	1	0.96	96	64-125	
Dibenz(a,h)anthracene	ug/L	1	0.65	65	46-125	
Fluoranthene	ug/L	1	0.93	93	54-125	
Fluorene	ug/L	1	0.92	92	55-125	
Indeno(1,2,3-cd)pyrene	ug/L	1	0.61	61	46-125	
Naphthalene	ug/L	1	0.85	85	47-125	
Phenanthrene	ug/L	1	0.91	91	55-125	
Pyrene	ug/L	1	0.91	91	57-125	
2-Fluorobiphenyl (S)	%			109	58-125	
Terphenyl-d14 (S)	%			118	57-134	

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QUALITY CONTROL DATA

Project: 60154982 SUPERIOR WLP
Pace Project No.: 10127075

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 778696 778697

Parameter	Units	10126924003 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	0.86	0.90	85	85	56-125	5	30	
Acenaphthylene	ug/L	ND	1	1.1	0.86	0.89	84	84	51-125	4	30	
Anthracene	ug/L	ND	1	1.1	0.98	1.0	96	97	58-125	5	30	
Benzo(a)anthracene	ug/L	ND	1	1.1	0.90	0.95	88	90	61-125	6	30	
Benzo(a)pyrene	ug/L	ND	1	1.1	0.96	0.98	94	92	56-125	2	30	
Benzo(b)fluoranthene	ug/L	ND	1	1.1	1.1	1.1	104	101	54-125	2	30	
Benzo(g,h,i)perylene	ug/L	ND	1	1.1	0.89	0.95	88	89	41-125	6	30	
Benzo(k)fluoranthene	ug/L	ND	1	1.1	0.92	0.90	90	85	60-125	2	30	
Chrysene	ug/L	ND	1	1.1	0.98	1.0	96	98	64-125	7	30	
Dibenz(a,h)anthracene	ug/L	ND	1	1.1	0.87	0.86	85	81	46-125	0	30	
Fluoranthene	ug/L	ND	1	1.1	0.98	1.0	96	97	51-125	5	30	
Fluorene	ug/L	ND	1	1.1	0.94	0.98	92	92	55-125	3	30	
Indeno(1,2,3-cd)pyrene	ug/L	ND	1	1.1	0.88	0.90	86	84	46-125	2	30	
Naphthalene	ug/L	ND	1	1.1	0.79	0.82	78	77	34-125	3	30	
Phenanthrene	ug/L	ND	1	1.1	0.94	0.99	92	93	55-125	5	30	
Pyrene	ug/L	ND	1	1.1	0.89	0.95	87	89	50-127	7	30	
2-Fluorobiphenyl (S)	%						99	97	58-125			
Terphenyl-d14 (S)	%						110	110	57-134			

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QUALITY CONTROL DATA

Project: 60154982 SUPERIOR WLP
Pace Project No.: 10127075

QC Batch: OEXT/12788 Analysis Method: EPA 8270 by SIM
QC Batch Method: EPA 3510 Analysis Description: 8270 Water PAH by SIM MSSV
Associated Lab Samples: 10127075010, 10127075011

METHOD BLANK: 780216 Matrix: Water
Associated Lab Samples: 10127075010, 10127075011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Acenaphthene	ug/L	ND	0.040	04/28/10 15:55	
Acenaphthylene	ug/L	ND	0.040	04/28/10 15:55	
Anthracene	ug/L	ND	0.040	04/28/10 15:55	
Benzo(a)anthracene	ug/L	ND	0.040	04/28/10 15:55	
Benzo(a)pyrene	ug/L	ND	0.040	04/28/10 15:55	
Benzo(b)fluoranthene	ug/L	ND	0.040	04/28/10 15:55	
Benzo(g,h,i)perylene	ug/L	ND	0.040	04/28/10 15:55	
Benzo(k)fluoranthene	ug/L	ND	0.040	04/28/10 15:55	
Chrysene	ug/L	ND	0.040	04/28/10 15:55	
Dibenz(a,h)anthracene	ug/L	ND	0.040	04/28/10 15:55	
Fluoranthene	ug/L	ND	0.040	04/28/10 15:55	
Fluorene	ug/L	ND	0.040	04/28/10 15:55	
Indeno(1,2,3-cd)pyrene	ug/L	ND	0.040	04/28/10 15:55	
Naphthalene	ug/L	ND	0.040	04/28/10 15:55	
Phenanthrene	ug/L	ND	0.040	04/28/10 15:55	
Pyrene	ug/L	ND	0.040	04/28/10 15:55	
2-Fluorobiphenyl (S)	%	101	58-125	04/28/10 15:55	
Terphenyl-d14 (S)	%	109	57-134	04/28/10 15:55	

LABORATORY CONTROL SAMPLE & LCSD: 780217 780218

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Acenaphthene	ug/L	1	0.95	0.85	95	85	56-125	11	20	
Acenaphthylene	ug/L	1	1.0	0.91	102	91	51-125	11	20	
Anthracene	ug/L	1	0.95	0.95	95	95	58-125	1	20	
Benzo(a)anthracene	ug/L	1	0.90	0.88	90	88	61-125	2	20	
Benzo(a)pyrene	ug/L	1	0.95	0.98	95	98	56-125	3	20	
Benzo(b)fluoranthene	ug/L	1	0.88	1.0	88	101	54-125	14	20	
Benzo(g,h,i)perylene	ug/L	1	0.83	0.84	83	84	42-125	2	20	
Benzo(k)fluoranthene	ug/L	1	1.1	0.93	107	93	60-125	14	20	
Chrysene	ug/L	1	0.97	0.99	97	99	64-125	2	20	
Dibenz(a,h)anthracene	ug/L	1	0.88	0.88	88	88	46-125	1	20	
Fluoranthene	ug/L	1	0.93	0.94	93	94	54-125	1	20	
Fluorene	ug/L	1	0.93	0.85	93	85	55-125	10	20	
Indeno(1,2,3-cd)pyrene	ug/L	1	0.87	0.87	87	87	46-125	0	20	
Naphthalene	ug/L	1	0.92	0.82	92	82	47-125	11	20	
Phenanthrene	ug/L	1	0.91	0.89	91	89	55-125	3	20	
Pyrene	ug/L	1	0.90	0.88	90	88	57-125	2	20	
2-Fluorobiphenyl (S)	%				112	99	58-125			
Terphenyl-d14 (S)	%				110	110	57-134			

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QUALITY CONTROL DATA

Project: 60154982 SUPERIOR WLP
Pace Project No.: 10127075

QC Batch: MSV/14332 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 465 W
Associated Lab Samples: 10127075002, 10127075003

METHOD BLANK: 779352 Matrix: Water
Associated Lab Samples: 10127075002, 10127075003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	04/24/10 15:31	
1,1,1-Trichloroethane	ug/L	ND	1.0	04/24/10 15:31	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	04/24/10 15:31	
1,1,2-Trichloroethane	ug/L	ND	1.0	04/24/10 15:31	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	1.0	04/24/10 15:31	
1,1-Dichloroethane	ug/L	ND	1.0	04/24/10 15:31	
1,1-Dichloroethene	ug/L	ND	1.0	04/24/10 15:31	
1,1-Dichloropropene	ug/L	ND	1.0	04/24/10 15:31	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	04/24/10 15:31	
1,2,3-Trichloropropane	ug/L	ND	1.0	04/24/10 15:31	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	04/24/10 15:31	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	04/24/10 15:31	
1,2-Dibromo-3-chloropropane	ug/L	ND	4.0	04/24/10 15:31	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	04/24/10 15:31	
1,2-Dichlorobenzene	ug/L	ND	1.0	04/24/10 15:31	
1,2-Dichloroethane	ug/L	ND	1.0	04/24/10 15:31	
1,2-Dichloropropane	ug/L	ND	1.0	04/24/10 15:31	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	04/24/10 15:31	
1,3-Dichlorobenzene	ug/L	ND	1.0	04/24/10 15:31	
1,3-Dichloropropane	ug/L	ND	1.0	04/24/10 15:31	
1,4-Dichlorobenzene	ug/L	ND	1.0	04/24/10 15:31	
2,2-Dichloropropane	ug/L	ND	4.0	04/24/10 15:31	
2-Butanone (MEK)	ug/L	ND	4.0	04/24/10 15:31	
2-Chlorotoluene	ug/L	ND	1.0	04/24/10 15:31	
4-Chlorotoluene	ug/L	ND	1.0	04/24/10 15:31	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	4.0	04/24/10 15:31	
Acetone	ug/L	ND	10.0	04/24/10 15:31	
Allyl chloride	ug/L	ND	4.0	04/24/10 15:31	
Benzene	ug/L	ND	1.0	04/24/10 15:31	
Bromobenzene	ug/L	ND	1.0	04/24/10 15:31	
Bromochloromethane	ug/L	ND	1.0	04/24/10 15:31	
Bromodichloromethane	ug/L	ND	1.0	04/24/10 15:31	
Bromoform	ug/L	ND	8.0	04/24/10 15:31	
Bromomethane	ug/L	ND	4.0	04/24/10 15:31	
Carbon tetrachloride	ug/L	ND	4.0	04/24/10 15:31	
Chlorobenzene	ug/L	ND	1.0	04/24/10 15:31	
Chloroethane	ug/L	ND	1.0	04/24/10 15:31	
Chloroform	ug/L	ND	1.0	04/24/10 15:31	
Chloromethane	ug/L	ND	4.0	04/24/10 15:31	
cis-1,2-Dichloroethene	ug/L	ND	1.0	04/24/10 15:31	
cis-1,3-Dichloropropene	ug/L	ND	4.0	04/24/10 15:31	
Dibromochloromethane	ug/L	ND	1.0	04/24/10 15:31	
Dibromomethane	ug/L	ND	4.0	04/24/10 15:31	

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QUALITY CONTROL DATA

Project: 60154982 SUPERIOR WLP
Pace Project No.: 10127075

METHOD BLANK: 779352 Matrix: Water

Associated Lab Samples: 10127075002, 10127075003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dichlorodifluoromethane	ug/L	ND	1.0	04/24/10 15:31	
Dichlorofluoromethane	ug/L	ND	1.0	04/24/10 15:31	
Diethyl ether (Ethyl ether)	ug/L	ND	4.0	04/24/10 15:31	
Ethylbenzene	ug/L	ND	1.0	04/24/10 15:31	
Hexachloro-1,3-butadiene	ug/L	ND	4.0	04/24/10 15:31	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	04/24/10 15:31	
m&p-Xylene	ug/L	ND	2.0	04/24/10 15:31	
Methyl-tert-butyl ether	ug/L	ND	1.0	04/24/10 15:31	
Methylene Chloride	ug/L	ND	4.0	04/24/10 15:31	
n-Butylbenzene	ug/L	ND	1.0	04/24/10 15:31	
n-Propylbenzene	ug/L	ND	1.0	04/24/10 15:31	
Naphthalene	ug/L	ND	4.0	04/24/10 15:31	
o-Xylene	ug/L	ND	1.0	04/24/10 15:31	
p-Isopropyltoluene	ug/L	ND	1.0	04/24/10 15:31	
sec-Butylbenzene	ug/L	ND	1.0	04/24/10 15:31	
Styrene	ug/L	ND	1.0	04/24/10 15:31	
tert-Butylbenzene	ug/L	ND	1.0	04/24/10 15:31	
Tetrachloroethene	ug/L	ND	1.0	04/24/10 15:31	
Tetrahydrofuran	ug/L	ND	10.0	04/24/10 15:31	
Toluene	ug/L	ND	1.0	04/24/10 15:31	
trans-1,2-Dichloroethene	ug/L	ND	1.0	04/24/10 15:31	
trans-1,3-Dichloropropene	ug/L	ND	4.0	04/24/10 15:31	
Trichloroethene	ug/L	ND	1.0	04/24/10 15:31	
Trichlorofluoromethane	ug/L	ND	1.0	04/24/10 15:31	
Vinyl chloride	ug/L	ND	0.40	04/24/10 15:31	
Xylene (Total)	ug/L	ND	3.0	04/24/10 15:31	
1,2-Dichloroethane-d4 (S)	%	104	75-125	04/24/10 15:31	
4-Bromofluorobenzene (S)	%	104	75-125	04/24/10 15:31	
Dibromofluoromethane (S)	%	108	75-125	04/24/10 15:31	
Toluene-d8 (S)	%	94	75-125	04/24/10 15:31	

LABORATORY CONTROL SAMPLE: 779353

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	51.3	103	75-125	
1,1,1-Trichloroethane	ug/L	50	50.4	101	75-125	
1,1,2,2-Tetrachloroethane	ug/L	50	52.2	104	75-125	
1,1,2-Trichloroethane	ug/L	50	53.2	106	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	50	50.6	101	70-138	
1,1-Dichloroethane	ug/L	50	52.4	105	75-125	
1,1-Dichloroethene	ug/L	50	53.3	107	69-129	
1,1-Dichloropropene	ug/L	50	59.1	118	75-126	
1,2,3-Trichlorobenzene	ug/L	50	53.1	106	75-125	
1,2,3-Trichloropropane	ug/L	50	51.7	103	72-126	
1,2,4-Trichlorobenzene	ug/L	50	54.7	109	75-125	

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QUALITY CONTROL DATA

Project: 60154982 SUPERIOR WLP
Pace Project No.: 10127075

LABORATORY CONTROL SAMPLE: 779353

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trimethylbenzene	ug/L	50	54.4	109	75-125	
1,2-Dibromo-3-chloropropane	ug/L	50	51.3	103	67-125	
1,2-Dibromoethane (EDB)	ug/L	50	52.9	106	75-125	
1,2-Dichlorobenzene	ug/L	50	52.2	104	75-125	
1,2-Dichloroethane	ug/L	50	47.5	95	75-125	
1,2-Dichloropropane	ug/L	50	52.7	105	75-125	
1,3,5-Trimethylbenzene	ug/L	50	53.3	107	75-125	
1,3-Dichlorobenzene	ug/L	50	52.5	105	75-125	
1,3-Dichloropropane	ug/L	50	53.2	106	75-125	
1,4-Dichlorobenzene	ug/L	50	51.3	103	75-125	
2,2-Dichloropropane	ug/L	50	51.4	103	48-150	
2-Butanone (MEK)	ug/L	50	55.6	111	51-134	
2-Chlorotoluene	ug/L	50	56.4	113	75-125	
4-Chlorotoluene	ug/L	50	57.9	116	75-125	
4-Methyl-2-pentanone (MIBK)	ug/L	50	57.7	115	60-125	
Acetone	ug/L	125	165	132	38-125	L0
Allyl chloride	ug/L	50	55.9	112	64-137	
Benzene	ug/L	50	58.1	116	75-125	
Bromobenzene	ug/L	50	52.5	105	75-125	
Bromochloromethane	ug/L	50	51.1	102	75-125	
Bromodichloromethane	ug/L	50	50.6	101	75-125	
Bromoform	ug/L	100	101	101	68-125	
Bromomethane	ug/L	50	48.7	97	47-129	
Carbon tetrachloride	ug/L	50	52.4	105	59-133	
Chlorobenzene	ug/L	50	51.3	103	75-125	
Chloroethane	ug/L	50	50.8	102	73-132	
Chloroform	ug/L	50	48.5	97	75-125	
Chloromethane	ug/L	50	52.0	104	72-125	
cis-1,2-Dichloroethene	ug/L	50	54.4	109	75-125	
cis-1,3-Dichloropropene	ug/L	50	54.6	109	75-125	
Dibromochloromethane	ug/L	50	53.2	106	75-125	
Dibromomethane	ug/L	50	46.3	93	75-125	
Dichlorodifluoromethane	ug/L	50	49.1	98	69-134	
Dichlorofluoromethane	ug/L	50	53.8	108	70-125	
Diethyl ether (Ethyl ether)	ug/L	50	55.4	111	71-125	
Ethylbenzene	ug/L	50	52.3	105	75-125	
Hexachloro-1,3-butadiene	ug/L	50	51.3	103	75-137	
Isopropylbenzene (Cumene)	ug/L	50	51.3	103	75-125	
m&p-Xylene	ug/L	100	106	106	75-125	
Methyl-tert-butyl ether	ug/L	50	52.3	105	75-125	
Methylene Chloride	ug/L	50	56.7	113	75-125	
n-Butylbenzene	ug/L	50	55.1	110	75-125	
n-Propylbenzene	ug/L	50	58.6	117	75-125	
Naphthalene	ug/L	50	60.6	121	72-125	
o-Xylene	ug/L	50	53.0	106	75-125	
p-Isopropyltoluene	ug/L	50	53.0	106	75-125	
sec-Butylbenzene	ug/L	50	59.4	119	75-125	
Styrene	ug/L	50	51.8	104	75-125	

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QUALITY CONTROL DATA

Project: 60154982 SUPERIOR WLP
Pace Project No.: 10127075

LABORATORY CONTROL SAMPLE: 779353

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
tert-Butylbenzene	ug/L	50	59.0	118	75-125	
Tetrachloroethene	ug/L	50	53.0	106	74-125	
Tetrahydrofuran	ug/L	500	582	116	65-125	
Toluene	ug/L	50	54.8	110	75-125	
trans-1,2-Dichloroethene	ug/L	50	52.6	105	74-125	
trans-1,3-Dichloropropene	ug/L	50	56.4	113	75-125	
Trichloroethene	ug/L	50	53.5	107	75-125	
Trichlorofluoromethane	ug/L	50	48.0	96	73-134	
Vinyl chloride	ug/L	50	50.8	102	75-126	
Xylene (Total)	ug/L	150	159	106	75-125	
1,2-Dichloroethane-d4 (S)	%			93	75-125	
4-Bromofluorobenzene (S)	%			108	75-125	
Dibromofluoromethane (S)	%			93	75-125	
Toluene-d8 (S)	%			101	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 779354 779355

Parameter	Units	10126696023 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	20	20	21.6	20.7	108	103	71-125	4	30	
1,1,1-Trichloroethane	ug/L	ND	20	20	22.6	22.0	113	110	75-125	3	30	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	20	20.9	20.1	105	101	75-126	4	30	
1,1,2-Trichloroethane	ug/L	ND	20	20	21.3	21.0	107	105	75-125	1	30	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	20	20	26.6	25.4	133	127	70-150	5	30	
1,1-Dichloroethane	ug/L	ND	20	20	23.0	22.0	115	110	75-125	4	30	
1,1-Dichloroethene	ug/L	ND	20	20	24.3	22.8	121	114	64-142	7	30	
1,1-Dichloropropene	ug/L	ND	20	20	25.9	24.5	130	122	75-125	6	30	M0
1,2,3-Trichlorobenzene	ug/L	ND	20	20	21.5	20.0	107	100	75-125	7	30	
1,2,3-Trichloropropane	ug/L	ND	20	20	20.9	20.2	105	101	72-127	4	30	
1,2,4-Trichlorobenzene	ug/L	ND	20	20	22.3	21.0	111	105	75-125	6	30	
1,2,4-Trimethylbenzene	ug/L	ND	20	20	22.5	21.6	113	108	75-125	4	30	
1,2-Dibromo-3-chloropropane	ug/L	ND	20	20	19.1	18.1	95	90	65-125	5	30	
1,2-Dibromoethane (EDB)	ug/L	ND	20	20	21.5	20.8	107	104	75-125	3	30	
1,2-Dichlorobenzene	ug/L	ND	20	20	21.7	20.9	108	104	75-125	4	30	
1,2-Dichloroethane	ug/L	ND	20	20	20.4	19.3	102	97	75-125	5	30	
1,2-Dichloropropane	ug/L	ND	20	20	22.2	21.4	111	107	75-125	4	30	
1,3,5-Trimethylbenzene	ug/L	ND	20	20	22.4	21.5	112	108	75-127	4	30	
1,3-Dichlorobenzene	ug/L	ND	20	20	22.2	21.7	111	108	75-125	3	30	
1,3-Dichloropropane	ug/L	ND	20	20	21.5	21.7	107	108	75-125	1	30	
1,4-Dichlorobenzene	ug/L	ND	20	20	21.8	20.9	109	105	75-125	4	30	
2,2-Dichloropropane	ug/L	ND	20	20	24.1	23.0	121	115	48-150	5	30	
2-Butanone (MEK)	ug/L	ND	20	20	18.6	17.3	93	87	51-134	7	30	
2-Chlorotoluene	ug/L	ND	20	20	23.6	22.8	118	114	75-125	4	30	
4-Chlorotoluene	ug/L	ND	20	20	24.5	23.4	122	117	68-127	4	30	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	20	20	20.6	19.3	103	96	60-135	7	30	
Acetone	ug/L	ND	50	50	40.3	34.8	81	70	30-125	15	30	
Allyl chloride	ug/L	ND	20	20	24.8	23.2	124	116	40-137	6	30	

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QUALITY CONTROL DATA

Project: 60154982 SUPERIOR WLP
Pace Project No.: 10127075

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 779354 779355

Parameter	Units	10126696023 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	ND	20	20	24.5	23.4	122	117	75-125	5	30	
Bromobenzene	ug/L	ND	20	20	22.1	21.1	111	106	75-125	5	30	
Bromochloromethane	ug/L	ND	20	20	22.3	21.4	111	107	75-125	4	30	
Bromodichloromethane	ug/L	ND	20	20	21.2	20.9	106	104	72-125	2	30	
Bromoform	ug/L	ND	40	40	39.6	38.3	99	96	51-125	3	30	
Bromomethane	ug/L	ND	20	20	21.8	22.5	109	113	47-130	3	30	
Carbon tetrachloride	ug/L	ND	20	20	23.9	23.2	119	116	61-133	3	30	
Chlorobenzene	ug/L	ND	20	20	22.1	21.6	111	108	75-125	2	30	
Chloroethane	ug/L	ND	20	20	23.7	22.2	118	111	75-132	6	30	
Chloroform	ug/L	ND	20	20	21.2	20.5	106	103	75-125	3	30	
Chloromethane	ug/L	ND	20	20	25.6	23.1	128	115	68-132	10	30	
cis-1,2-Dichloroethene	ug/L	2.2	20	20	25.6	24.6	117	112	75-125	4	30	
cis-1,3-Dichloropropene	ug/L	ND	20	20	20.2	19.5	101	98	63-125	3	30	
Dibromochloromethane	ug/L	ND	20	20	21.4	20.7	107	104	62-125	3	30	
Dibromomethane	ug/L	ND	20	20	19.9	19.3	99	96	75-125	3	30	
Dichlorodifluoromethane	ug/L	ND	20	20	26.9	25.9	134	129	65-150	4	30	
Dichlorofluoromethane	ug/L	ND	20	20	23.7	22.4	118	112	68-127	6	30	
Diethyl ether (Ethyl ether)	ug/L	ND	20	20	22.6	21.8	113	109	71-125	4	30	
Ethylbenzene	ug/L	ND	20	20	22.0	21.8	110	109	75-125	1	30	
Hexachloro-1,3-butadiene	ug/L	ND	20	20	24.5	21.9	122	110	75-147	11	30	
Isopropylbenzene (Cumene)	ug/L	ND	20	20	21.8	21.2	109	106	75-125	3	30	
m&p-Xylene	ug/L	ND	40	40	46.0	44.5	115	111	67-125	3	30	
Methyl-tert-butyl ether	ug/L	ND	20	20	21.1	19.9	106	100	75-125	6	30	
Methylene Chloride	ug/L	ND	20	20	21.9	21.1	110	105	75-125	4	30	
n-Butylbenzene	ug/L	ND	20	20	23.3	22.7	116	113	70-135	3	30	
n-Propylbenzene	ug/L	ND	20	20	25.5	24.1	128	121	70-131	6	30	
Naphthalene	ug/L	ND	20	20	22.9	21.1	115	106	66-127	8	30	
o-Xylene	ug/L	ND	20	20	22.2	21.1	111	106	72-125	5	30	
p-Isopropyltoluene	ug/L	ND	20	20	22.7	21.8	113	109	71-126	4	30	
sec-Butylbenzene	ug/L	ND	20	20	25.3	24.4	126	122	75-127	3	30	
Styrene	ug/L	ND	20	20	21.7	21.4	108	107	30-134	1	30	
tert-Butylbenzene	ug/L	ND	20	20	24.5	23.3	123	116	75-125	5	30	
Tetrachloroethene	ug/L	21.4	20	20	45.0	44.5	118	115	74-125	1	30	
Tetrahydrofuran	ug/L	ND	200	200	219	200	109	100	65-125	9	30	
Toluene	ug/L	ND	20	20	23.8	23.2	119	116	75-125	3	30	
trans-1,2-Dichloroethene	ug/L	ND	20	20	23.9	22.8	119	114	72-125	4	30	
trans-1,3-Dichloropropene	ug/L	ND	20	20	22.4	21.6	112	108	63-125	4	30	
Trichloroethene	ug/L	2.4	20	20	24.7	24.2	112	109	58-127	2	30	
Trichlorofluoromethane	ug/L	ND	20	20	24.2	23.3	121	117	73-150	4	30	
Vinyl chloride	ug/L	ND	20	20	25.2	23.6	126	118	75-134	7	30	
Xylene (Total)	ug/L	ND	60	60	68.3	65.6	114	109	75-125	4	30	
1,2-Dichloroethane-d4 (S)	%						95	92	75-125			
4-Bromofluorobenzene (S)	%						105	103	75-125			
Dibromofluoromethane (S)	%						94	95	75-125			
Toluene-d8 (S)	%						99	102	75-125			

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QUALITY CONTROL DATA

Project: 60154982 SUPERIOR WLP
Pace Project No.: 10127075

QC Batch: MSV/14333 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 465 W
Associated Lab Samples: 10127075012

METHOD BLANK: 779359 Matrix: Water
Associated Lab Samples: 10127075012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	04/25/10 01:19	
1,1,1-Trichloroethane	ug/L	ND	1.0	04/25/10 01:19	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	04/25/10 01:19	
1,1,2-Trichloroethane	ug/L	ND	1.0	04/25/10 01:19	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	1.0	04/25/10 01:19	
1,1-Dichloroethane	ug/L	ND	1.0	04/25/10 01:19	
1,1-Dichloroethene	ug/L	ND	1.0	04/25/10 01:19	
1,1-Dichloropropene	ug/L	ND	1.0	04/25/10 01:19	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	04/25/10 01:19	
1,2,3-Trichloropropane	ug/L	ND	1.0	04/25/10 01:19	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	04/25/10 01:19	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	04/25/10 01:19	
1,2-Dibromo-3-chloropropane	ug/L	ND	4.0	04/25/10 01:19	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	04/25/10 01:19	
1,2-Dichlorobenzene	ug/L	ND	1.0	04/25/10 01:19	
1,2-Dichloroethane	ug/L	ND	1.0	04/25/10 01:19	
1,2-Dichloropropane	ug/L	ND	1.0	04/25/10 01:19	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	04/25/10 01:19	
1,3-Dichlorobenzene	ug/L	ND	1.0	04/25/10 01:19	
1,3-Dichloropropane	ug/L	ND	1.0	04/25/10 01:19	
1,4-Dichlorobenzene	ug/L	ND	1.0	04/25/10 01:19	
2,2-Dichloropropane	ug/L	ND	4.0	04/25/10 01:19	
2-Butanone (MEK)	ug/L	ND	4.0	04/25/10 01:19	
2-Chlorotoluene	ug/L	ND	1.0	04/25/10 01:19	
4-Chlorotoluene	ug/L	ND	1.0	04/25/10 01:19	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	4.0	04/25/10 01:19	
Acetone	ug/L	ND	10.0	04/25/10 01:19	
Allyl chloride	ug/L	ND	4.0	04/25/10 01:19	
Benzene	ug/L	ND	1.0	04/25/10 01:19	
Bromobenzene	ug/L	ND	1.0	04/25/10 01:19	
Bromochloromethane	ug/L	ND	1.0	04/25/10 01:19	
Bromodichloromethane	ug/L	ND	1.0	04/25/10 01:19	
Bromoform	ug/L	ND	8.0	04/25/10 01:19	
Bromomethane	ug/L	ND	4.0	04/25/10 01:19	
Carbon tetrachloride	ug/L	ND	4.0	04/25/10 01:19	
Chlorobenzene	ug/L	ND	1.0	04/25/10 01:19	
Chloroethane	ug/L	ND	1.0	04/25/10 01:19	
Chloroform	ug/L	ND	1.0	04/25/10 01:19	
Chloromethane	ug/L	ND	4.0	04/25/10 01:19	
cis-1,2-Dichloroethene	ug/L	ND	1.0	04/25/10 01:19	
cis-1,3-Dichloropropene	ug/L	ND	4.0	04/25/10 01:19	
Dibromochloromethane	ug/L	ND	1.0	04/25/10 01:19	
Dibromomethane	ug/L	ND	4.0	04/25/10 01:19	

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QUALITY CONTROL DATA

Project: 60154982 SUPERIOR WLP
Pace Project No.: 10127075

METHOD BLANK: 779359 Matrix: Water

Associated Lab Samples: 10127075012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dichlorodifluoromethane	ug/L	ND	1.0	04/25/10 01:19	
Dichlorofluoromethane	ug/L	ND	1.0	04/25/10 01:19	
Diethyl ether (Ethyl ether)	ug/L	ND	4.0	04/25/10 01:19	
Ethylbenzene	ug/L	ND	1.0	04/25/10 01:19	
Hexachloro-1,3-butadiene	ug/L	ND	4.0	04/25/10 01:19	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	04/25/10 01:19	
m&p-Xylene	ug/L	ND	2.0	04/25/10 01:19	
Methyl-tert-butyl ether	ug/L	ND	1.0	04/25/10 01:19	
Methylene Chloride	ug/L	ND	4.0	04/25/10 01:19	
n-Butylbenzene	ug/L	ND	1.0	04/25/10 01:19	
n-Propylbenzene	ug/L	ND	1.0	04/25/10 01:19	
Naphthalene	ug/L	ND	4.0	04/25/10 01:19	
o-Xylene	ug/L	ND	1.0	04/25/10 01:19	
p-Isopropyltoluene	ug/L	ND	1.0	04/25/10 01:19	
sec-Butylbenzene	ug/L	ND	1.0	04/25/10 01:19	
Styrene	ug/L	ND	1.0	04/25/10 01:19	
tert-Butylbenzene	ug/L	ND	1.0	04/25/10 01:19	
Tetrachloroethene	ug/L	ND	1.0	04/25/10 01:19	
Tetrahydrofuran	ug/L	ND	10.0	04/25/10 01:19	
Toluene	ug/L	ND	1.0	04/25/10 01:19	
trans-1,2-Dichloroethene	ug/L	ND	1.0	04/25/10 01:19	
trans-1,3-Dichloropropene	ug/L	ND	4.0	04/25/10 01:19	
Trichloroethene	ug/L	ND	1.0	04/25/10 01:19	
Trichlorofluoromethane	ug/L	ND	1.0	04/25/10 01:19	
Vinyl chloride	ug/L	ND	0.40	04/25/10 01:19	
Xylene (Total)	ug/L	ND	3.0	04/25/10 01:19	
1,2-Dichloroethane-d4 (S)	%	107	75-125	04/25/10 01:19	
4-Bromofluorobenzene (S)	%	112	75-125	04/25/10 01:19	
Dibromofluoromethane (S)	%	107	75-125	04/25/10 01:19	
Toluene-d8 (S)	%	103	75-125	04/25/10 01:19	

LABORATORY CONTROL SAMPLE: 779360

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	18.1	91	75-125	
1,1,1-Trichloroethane	ug/L	20	19.3	97	75-125	
1,1,2,2-Tetrachloroethane	ug/L	20	18.0	90	75-125	
1,1,2-Trichloroethane	ug/L	20	17.9	89	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	20	19.2	96	70-138	
1,1-Dichloroethane	ug/L	20	19.1	95	75-125	
1,1-Dichloroethene	ug/L	20	20.4	102	69-129	
1,1-Dichloropropene	ug/L	20	18.8	94	75-126	
1,2,3-Trichlorobenzene	ug/L	20	20.0	100	75-125	
1,2,3-Trichloropropane	ug/L	20	19.9	99	72-126	
1,2,4-Trichlorobenzene	ug/L	20	19.3	96	75-125	

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QUALITY CONTROL DATA

Project: 60154982 SUPERIOR WLP
Pace Project No.: 10127075

LABORATORY CONTROL SAMPLE: 779360

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trimethylbenzene	ug/L	20	18.6	93	75-125	
1,2-Dibromo-3-chloropropane	ug/L	20	19.9	99	67-125	
1,2-Dibromoethane (EDB)	ug/L	20	18.4	92	75-125	
1,2-Dichlorobenzene	ug/L	20	18.3	92	75-125	
1,2-Dichloroethane	ug/L	20	19.0	95	75-125	
1,2-Dichloropropane	ug/L	20	17.1	86	75-125	
1,3,5-Trimethylbenzene	ug/L	20	18.5	92	75-125	
1,3-Dichlorobenzene	ug/L	20	17.7	89	75-125	
1,3-Dichloropropane	ug/L	20	18.6	93	75-125	
1,4-Dichlorobenzene	ug/L	20	17.7	89	75-125	
2,2-Dichloropropane	ug/L	20	15.9	80	48-150	
2-Butanone (MEK)	ug/L	20	22.0	110	51-134	
2-Chlorotoluene	ug/L	20	18.9	95	75-125	
4-Chlorotoluene	ug/L	20	19.1	95	75-125	
4-Methyl-2-pentanone (MIBK)	ug/L	20	17.9	90	60-125	
Acetone	ug/L	50	64.4	129	38-125	L0
Allyl chloride	ug/L	20	18.8	94	64-137	
Benzene	ug/L	20	18.5	93	75-125	
Bromobenzene	ug/L	20	18.5	92	75-125	
Bromochloromethane	ug/L	20	21.2	106	75-125	
Bromodichloromethane	ug/L	20	18.0	90	75-125	
Bromoform	ug/L	40	34.1	85	68-125	
Bromomethane	ug/L	20	23.4	117	47-129	
Carbon tetrachloride	ug/L	20	17.6	88	59-133	
Chlorobenzene	ug/L	20	17.8	89	75-125	
Chloroethane	ug/L	20	23.0	115	73-132	
Chloroform	ug/L	20	19.4	97	75-125	
Chloromethane	ug/L	20	12.2	61	72-125	L0
cis-1,2-Dichloroethene	ug/L	20	19.4	97	75-125	
cis-1,3-Dichloropropene	ug/L	20	17.7	89	75-125	
Dibromochloromethane	ug/L	20	17.9	90	75-125	
Dibromomethane	ug/L	20	18.2	91	75-125	
Dichlorodifluoromethane	ug/L	20	13.5	68	69-134	L0
Dichlorofluoromethane	ug/L	20	19.1	95	70-125	
Diethyl ether (Ethyl ether)	ug/L	20	21.1	105	71-125	
Ethylbenzene	ug/L	20	17.7	89	75-125	
Hexachloro-1,3-butadiene	ug/L	20	19.5	97	75-137	
Isopropylbenzene (Cumene)	ug/L	20	17.7	89	75-125	
m&p-Xylene	ug/L	40	34.9	87	75-125	
Methyl-tert-butyl ether	ug/L	20	20.3	102	75-125	
Methylene Chloride	ug/L	20	18.0	90	75-125	
n-Butylbenzene	ug/L	20	18.1	91	75-125	
n-Propylbenzene	ug/L	20	18.3	92	75-125	
Naphthalene	ug/L	20	20.8	104	72-125	
o-Xylene	ug/L	20	17.2	86	75-125	
p-Isopropyltoluene	ug/L	20	18.0	90	75-125	
sec-Butylbenzene	ug/L	20	18.1	90	75-125	
Styrene	ug/L	20	17.6	88	75-125	

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QUALITY CONTROL DATA

Project: 60154982 SUPERIOR WLP
Pace Project No.: 10127075

LABORATORY CONTROL SAMPLE: 779360

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
tert-Butylbenzene	ug/L	20	18.5	92	75-125	
Tetrachloroethene	ug/L	20	17.7	88	74-125	
Tetrahydrofuran	ug/L	200	193	97	65-125	
Toluene	ug/L	20	18.0	90	75-125	
trans-1,2-Dichloroethene	ug/L	20	19.0	95	74-125	
trans-1,3-Dichloropropene	ug/L	20	18.5	92	75-125	
Trichloroethene	ug/L	20	18.9	95	75-125	
Trichlorofluoromethane	ug/L	20	18.8	94	73-134	
Vinyl chloride	ug/L	20	17.3	87	75-126	
Xylene (Total)	ug/L	60	52.1	87	75-125	
1,2-Dichloroethane-d4 (S)	%			105	75-125	
4-Bromofluorobenzene (S)	%			112	75-125	
Dibromofluoromethane (S)	%			110	75-125	
Toluene-d8 (S)	%			101	75-125	

MATRIX SPIKE SAMPLE: 779361

Parameter	Units	10127197004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	20	20.5	103	71-125	
1,1,1-Trichloroethane	ug/L	ND	20	23.7	119	75-125	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	20.8	104	75-126	
1,1,2-Trichloroethane	ug/L	ND	20	20.1	101	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	20	26.8	134	70-150	
1,1-Dichloroethane	ug/L	ND	20	22.5	113	75-125	
1,1-Dichloroethene	ug/L	ND	20	25.2	126	64-142	
1,1-Dichloropropene	ug/L	ND	20	22.7	113	75-125	
1,2,3-Trichlorobenzene	ug/L	ND	20	21.6	108	75-125	
1,2,3-Trichloropropane	ug/L	ND	20	20.9	105	72-127	
1,2,4-Trichlorobenzene	ug/L	ND	20	21.1	106	75-125	
1,2,4-Trimethylbenzene	ug/L	ND	20	12.3	62	75-125	M0
1,2-Dibromo-3-chloropropane	ug/L	ND	20	20.8	104	65-125	
1,2-Dibromoethane (EDB)	ug/L	ND	20	20.5	102	75-125	
1,2-Dichlorobenzene	ug/L	ND	20	20.4	102	75-125	
1,2-Dichloroethane	ug/L	ND	20	20.9	104	75-125	
1,2-Dichloropropane	ug/L	ND	20	19.9	99	75-125	
1,3,5-Trimethylbenzene	ug/L	ND	20	13.6	68	75-127	M0
1,3-Dichlorobenzene	ug/L	ND	20	20.0	100	75-125	
1,3-Dichloropropane	ug/L	ND	20	20.2	101	75-125	
1,4-Dichlorobenzene	ug/L	ND	20	19.7	98	75-125	
2,2-Dichloropropane	ug/L	ND	20	19.2	96	48-150	
2-Butanone (MEK)	ug/L	ND	20	18.8	94	51-134	
2-Chlorotoluene	ug/L	ND	20	20.7	104	75-125	
4-Chlorotoluene	ug/L	ND	20	21.6	108	68-127	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	20	19.7	99	60-135	
Acetone	ug/L	ND	50	54.9	110	30-125	
Allyl chloride	ug/L	ND	20	16.6	83	40-137	
Benzene	ug/L	ND	20	21.8	109	75-125	

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QUALITY CONTROL DATA

Project: 60154982 SUPERIOR WLP
Pace Project No.: 10127075

MATRIX SPIKE SAMPLE: 779361

Parameter	Units	10127197004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Bromobenzene	ug/L	ND	20	20.7	103	75-125	
Bromochloromethane	ug/L	ND	20	23.6	118	75-125	
Bromodichloromethane	ug/L	ND	20	20.3	101	72-125	
Bromoform	ug/L	ND	40	32.2	81	51-125	
Bromomethane	ug/L	ND	20	26.9	134	47-130	M0
Carbon tetrachloride	ug/L	ND	20	21.0	105	61-133	
Chlorobenzene	ug/L	ND	20	20.6	103	75-125	
Chloroethane	ug/L	ND	20	22.8	114	75-132	
Chloroform	ug/L	ND	20	22.4	112	75-125	
Chloromethane	ug/L	ND	20	14.2	71	68-132	
cis-1,2-Dichloroethene	ug/L	ND	20	22.8	114	75-125	
cis-1,3-Dichloropropene	ug/L	ND	20	18.0	90	63-125	
Dibromochloromethane	ug/L	ND	20	18.5	93	62-125	
Dibromomethane	ug/L	ND	20	20.6	103	75-125	
Dichlorodifluoromethane	ug/L	ND	20	19.4	97	65-150	
Dichlorofluoromethane	ug/L	ND	20	23.8	119	68-127	
Diethyl ether (Ethyl ether)	ug/L	ND	20	23.3	116	71-125	
Ethylbenzene	ug/L	ND	20	20.3	101	75-125	
Hexachloro-1,3-butadiene	ug/L	ND	20	22.9	115	75-147	
Isopropylbenzene (Cumene)	ug/L	ND	20	20.3	101	75-125	
m&p-Xylene	ug/L	ND	40	35.1	88	67-125	
Methyl-tert-butyl ether	ug/L	ND	20	21.9	110	75-125	
Methylene Chloride	ug/L	ND	20	20.6	103	75-125	
n-Butylbenzene	ug/L	ND	20	20.4	102	70-135	
n-Propylbenzene	ug/L	ND	20	20.4	102	70-131	
Naphthalene	ug/L	ND	20	21.6	108	66-127	
o-Xylene	ug/L	ND	20	17.5	88	72-125	
p-Isopropyltoluene	ug/L	ND	20	19.1	95	71-126	
sec-Butylbenzene	ug/L	ND	20	20.8	104	75-127	
Styrene	ug/L	ND	20	8.2	41	30-134	
tert-Butylbenzene	ug/L	ND	20	21.9	110	75-125	
Tetrachloroethene	ug/L	ND	20	21.2	106	74-125	
Tetrahydrofuran	ug/L	ND	200	208	104	65-125	
Toluene	ug/L	ND	20	20.5	103	75-125	
trans-1,2-Dichloroethene	ug/L	ND	20	22.6	113	72-125	
trans-1,3-Dichloropropene	ug/L	ND	20	17.5	87	63-125	
Trichloroethene	ug/L	ND	20	22.0	110	58-127	
Trichlorofluoromethane	ug/L	ND	20	24.8	124	73-150	
Vinyl chloride	ug/L	ND	20	21.2	106	75-134	
Xylene (Total)	ug/L	ND	60	52.6	88	75-125	
1,2-Dichloroethane-d4 (S)	%				102	75-125	
4-Bromofluorobenzene (S)	%				107	75-125	
Dibromofluoromethane (S)	%				105	75-125	
Toluene-d8 (S)	%				98	75-125	

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QUALITY CONTROL DATA

Project: 60154982 SUPERIOR WLP
Pace Project No.: 10127075

SAMPLE DUPLICATE: 779362

Parameter	Units	10127197012 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: 60154982 SUPERIOR WLP
Pace Project No.: 10127075

SAMPLE DUPLICATE: 779362

Parameter	Units	10127197012 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)	%	104	105	1		
4-Bromofluorobenzene (S)	%	114	110	4		
Dibromofluoromethane (S)	%	107	109	2		
Toluene-d8 (S)	%	99	100	0		

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QUALITY CONTROL DATA

Project: 60154982 SUPERIOR WLP
Pace Project No.: 10127075

QC Batch: MSV/14337 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 465 W
Associated Lab Samples: 10127075006, 10127075007

METHOD BLANK: 779451 Matrix: Water
Associated Lab Samples: 10127075006, 10127075007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	04/25/10 17:09	
1,1,1-Trichloroethane	ug/L	ND	1.0	04/25/10 17:09	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	04/25/10 17:09	
1,1,2-Trichloroethane	ug/L	ND	1.0	04/25/10 17:09	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	1.0	04/25/10 17:09	
1,1-Dichloroethane	ug/L	ND	1.0	04/25/10 17:09	
1,1-Dichloroethene	ug/L	ND	1.0	04/25/10 17:09	
1,1-Dichloropropene	ug/L	ND	1.0	04/25/10 17:09	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	04/25/10 17:09	
1,2,3-Trichloropropane	ug/L	ND	1.0	04/25/10 17:09	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	04/25/10 17:09	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	04/25/10 17:09	
1,2-Dibromo-3-chloropropane	ug/L	ND	4.0	04/25/10 17:09	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	04/25/10 17:09	
1,2-Dichlorobenzene	ug/L	ND	1.0	04/25/10 17:09	
1,2-Dichloroethane	ug/L	ND	1.0	04/25/10 17:09	
1,2-Dichloropropane	ug/L	ND	1.0	04/25/10 17:09	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	04/25/10 17:09	
1,3-Dichlorobenzene	ug/L	ND	1.0	04/25/10 17:09	
1,3-Dichloropropane	ug/L	ND	1.0	04/25/10 17:09	
1,4-Dichlorobenzene	ug/L	ND	1.0	04/25/10 17:09	
2,2-Dichloropropane	ug/L	ND	4.0	04/25/10 17:09	
2-Butanone (MEK)	ug/L	ND	4.0	04/25/10 17:09	
2-Chlorotoluene	ug/L	ND	1.0	04/25/10 17:09	
4-Chlorotoluene	ug/L	ND	1.0	04/25/10 17:09	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	4.0	04/25/10 17:09	
Acetone	ug/L	ND	10.0	04/25/10 17:09	
Allyl chloride	ug/L	ND	4.0	04/25/10 17:09	
Benzene	ug/L	ND	1.0	04/25/10 17:09	
Bromobenzene	ug/L	ND	1.0	04/25/10 17:09	
Bromochloromethane	ug/L	ND	1.0	04/25/10 17:09	
Bromodichloromethane	ug/L	ND	1.0	04/25/10 17:09	
Bromoform	ug/L	ND	8.0	04/25/10 17:09	
Bromomethane	ug/L	ND	4.0	04/25/10 17:09	
Carbon tetrachloride	ug/L	ND	4.0	04/25/10 17:09	
Chlorobenzene	ug/L	ND	1.0	04/25/10 17:09	
Chloroethane	ug/L	ND	1.0	04/25/10 17:09	
Chloroform	ug/L	ND	1.0	04/25/10 17:09	
Chloromethane	ug/L	ND	4.0	04/25/10 17:09	
cis-1,2-Dichloroethene	ug/L	ND	1.0	04/25/10 17:09	
cis-1,3-Dichloropropene	ug/L	ND	4.0	04/25/10 17:09	
Dibromochloromethane	ug/L	ND	1.0	04/25/10 17:09	
Dibromomethane	ug/L	ND	4.0	04/25/10 17:09	

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QUALITY CONTROL DATA

Project: 60154982 SUPERIOR WLP
Pace Project No.: 10127075

METHOD BLANK: 779451 Matrix: Water

Associated Lab Samples: 10127075006, 10127075007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dichlorodifluoromethane	ug/L	ND	1.0	04/25/10 17:09	
Dichlorofluoromethane	ug/L	ND	1.0	04/25/10 17:09	
Diethyl ether (Ethyl ether)	ug/L	ND	4.0	04/25/10 17:09	
Ethylbenzene	ug/L	ND	1.0	04/25/10 17:09	
Hexachloro-1,3-butadiene	ug/L	ND	4.0	04/25/10 17:09	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	04/25/10 17:09	
m&p-Xylene	ug/L	ND	2.0	04/25/10 17:09	
Methyl-tert-butyl ether	ug/L	ND	1.0	04/25/10 17:09	
Methylene Chloride	ug/L	ND	4.0	04/25/10 17:09	
n-Butylbenzene	ug/L	ND	1.0	04/25/10 17:09	
n-Propylbenzene	ug/L	ND	1.0	04/25/10 17:09	
Naphthalene	ug/L	ND	4.0	04/25/10 17:09	
o-Xylene	ug/L	ND	1.0	04/25/10 17:09	
p-Isopropyltoluene	ug/L	ND	1.0	04/25/10 17:09	
sec-Butylbenzene	ug/L	ND	1.0	04/25/10 17:09	
Styrene	ug/L	ND	1.0	04/25/10 17:09	
tert-Butylbenzene	ug/L	ND	1.0	04/25/10 17:09	
Tetrachloroethene	ug/L	ND	1.0	04/25/10 17:09	
Tetrahydrofuran	ug/L	ND	10.0	04/25/10 17:09	
Toluene	ug/L	ND	1.0	04/25/10 17:09	
trans-1,2-Dichloroethene	ug/L	ND	1.0	04/25/10 17:09	
trans-1,3-Dichloropropene	ug/L	ND	4.0	04/25/10 17:09	
Trichloroethene	ug/L	ND	1.0	04/25/10 17:09	
Trichlorofluoromethane	ug/L	ND	1.0	04/25/10 17:09	
Vinyl chloride	ug/L	ND	0.40	04/25/10 17:09	
Xylene (Total)	ug/L	ND	3.0	04/25/10 17:09	
1,2-Dichloroethane-d4 (S)	%	99	75-125	04/25/10 17:09	
4-Bromofluorobenzene (S)	%	112	75-125	04/25/10 17:09	
Dibromofluoromethane (S)	%	101	75-125	04/25/10 17:09	
Toluene-d8 (S)	%	102	75-125	04/25/10 17:09	

LABORATORY CONTROL SAMPLE: 779452

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	21.7	109	75-125	
1,1,1-Trichloroethane	ug/L	20	23.7	119	75-125	
1,1,2,2-Tetrachloroethane	ug/L	20	21.0	105	75-125	
1,1,2-Trichloroethane	ug/L	20	21.2	106	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	20	23.5	118	70-138	
1,1-Dichloroethane	ug/L	20	22.3	112	75-125	
1,1-Dichloroethene	ug/L	20	24.4	122	69-129	
1,1-Dichloropropene	ug/L	20	22.8	114	75-126	
1,2,3-Trichlorobenzene	ug/L	20	21.0	105	75-125	
1,2,3-Trichloropropane	ug/L	20	21.8	109	72-126	
1,2,4-Trichlorobenzene	ug/L	20	21.1	106	75-125	

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QUALITY CONTROL DATA

Project: 60154982 SUPERIOR WLP
Pace Project No.: 10127075

LABORATORY CONTROL SAMPLE: 779452

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trimethylbenzene	ug/L	20	22.3	112	75-125	
1,2-Dibromo-3-chloropropane	ug/L	20	20.4	102	67-125	
1,2-Dibromoethane (EDB)	ug/L	20	21.6	108	75-125	
1,2-Dichlorobenzene	ug/L	20	21.2	106	75-125	
1,2-Dichloroethane	ug/L	20	21.4	107	75-125	
1,2-Dichloropropane	ug/L	20	20.6	103	75-125	
1,3,5-Trimethylbenzene	ug/L	20	22.4	112	75-125	
1,3-Dichlorobenzene	ug/L	20	21.2	106	75-125	
1,3-Dichloropropane	ug/L	20	21.8	109	75-125	
1,4-Dichlorobenzene	ug/L	20	20.9	104	75-125	
2,2-Dichloropropane	ug/L	20	23.2	116	48-150	
2-Butanone (MEK)	ug/L	20	21.9	109	51-134	
2-Chlorotoluene	ug/L	20	22.2	111	75-125	
4-Chlorotoluene	ug/L	20	22.6	113	75-125	
4-Methyl-2-pentanone (MIBK)	ug/L	20	19.9	100	60-125	
Acetone	ug/L	50	79.2	158	38-125	L0
Allyl chloride	ug/L	20	23.4	117	64-137	
Benzene	ug/L	20	22.3	112	75-125	
Bromobenzene	ug/L	20	22.3	112	75-125	
Bromochloromethane	ug/L	20	24.2	121	75-125	
Bromodichloromethane	ug/L	20	21.5	108	75-125	
Bromoform	ug/L	40	39.7	99	68-125	
Bromomethane	ug/L	20	32.4	162	47-129	CH,L0
Carbon tetrachloride	ug/L	20	21.4	107	59-133	
Chlorobenzene	ug/L	20	21.7	108	75-125	
Chloroethane	ug/L	20	23.1	116	73-132	
Chloroform	ug/L	20	22.8	114	75-125	
Chloromethane	ug/L	20	15.3	76	72-125	
cis-1,2-Dichloroethene	ug/L	20	23.2	116	75-125	
cis-1,3-Dichloropropene	ug/L	20	21.3	107	75-125	
Dibromochloromethane	ug/L	20	21.9	109	75-125	
Dibromomethane	ug/L	20	21.3	106	75-125	
Dichlorodifluoromethane	ug/L	20	15.7	79	69-134	
Dichlorofluoromethane	ug/L	20	23.4	117	70-125	
Diethyl ether (Ethyl ether)	ug/L	20	22.8	114	71-125	
Ethylbenzene	ug/L	20	22.1	111	75-125	
Hexachloro-1,3-butadiene	ug/L	20	22.0	110	75-137	
Isopropylbenzene (Cumene)	ug/L	20	21.9	110	75-125	
m&p-Xylene	ug/L	40	43.8	109	75-125	
Methyl-tert-butyl ether	ug/L	20	22.9	115	75-125	
Methylene Chloride	ug/L	20	20.7	103	75-125	
n-Butylbenzene	ug/L	20	21.2	106	75-125	
n-Propylbenzene	ug/L	20	21.8	109	75-125	
Naphthalene	ug/L	20	21.3	107	72-125	
o-Xylene	ug/L	20	21.5	108	75-125	
p-Isopropyltoluene	ug/L	20	21.7	109	75-125	
sec-Butylbenzene	ug/L	20	21.6	108	75-125	
Styrene	ug/L	20	21.4	107	75-125	

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QUALITY CONTROL DATA

Project: 60154982 SUPERIOR WLP
Pace Project No.: 10127075

LABORATORY CONTROL SAMPLE: 779452

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
tert-Butylbenzene	ug/L	20	22.3	112	75-125	
Tetrachloroethene	ug/L	20	22.8	114	74-125	
Tetrahydrofuran	ug/L	200	211	105	65-125	
Toluene	ug/L	20	23.0	115	75-125	
trans-1,2-Dichloroethene	ug/L	20	23.2	116	74-125	
trans-1,3-Dichloropropene	ug/L	20	22.1	111	75-125	
Trichloroethene	ug/L	20	23.4	117	75-125	
Trichlorofluoromethane	ug/L	20	24.5	122	73-134	
Vinyl chloride	ug/L	20	21.6	108	75-126	
Xylene (Total)	ug/L	60	65.3	109	75-125	
1,2-Dichloroethane-d4 (S)	%			95	75-125	
4-Bromofluorobenzene (S)	%			110	75-125	
Dibromofluoromethane (S)	%			102	75-125	
Toluene-d8 (S)	%			103	75-125	

MATRIX SPIKE SAMPLE: 779453

Parameter	Units	10127075006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	20	21.6	108	71-125	
1,1,1-Trichloroethane	ug/L	ND	20	24.5	122	75-125	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	21.5	107	75-126	
1,1,2-Trichloroethane	ug/L	ND	20	20.8	104	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	20	26.8	134	70-150	
1,1-Dichloroethane	ug/L	ND	20	22.4	112	75-125	
1,1-Dichloroethene	ug/L	ND	20	27.0	135	64-142	
1,1-Dichloropropene	ug/L	ND	20	23.2	116	75-125	
1,2,3-Trichlorobenzene	ug/L	ND	20	22.1	111	75-125	
1,2,3-Trichloropropane	ug/L	ND	20	21.4	107	72-127	
1,2,4-Trichlorobenzene	ug/L	ND	20	22.5	113	75-125	
1,2,4-Trimethylbenzene	ug/L	ND	20	16.5	83	75-125	
1,2-Dibromo-3-chloropropane	ug/L	ND	20	20.3	102	65-125	
1,2-Dibromoethane (EDB)	ug/L	ND	20	21.3	106	75-125	
1,2-Dichlorobenzene	ug/L	ND	20	21.8	109	75-125	
1,2-Dichloroethane	ug/L	ND	20	21.4	107	75-125	
1,2-Dichloropropane	ug/L	ND	20	20.5	102	75-125	
1,3,5-Trimethylbenzene	ug/L	ND	20	14.6	73	75-127	M0
1,3-Dichlorobenzene	ug/L	ND	20	21.9	109	75-125	
1,3-Dichloropropane	ug/L	ND	20	21.1	105	75-125	
1,4-Dichlorobenzene	ug/L	ND	20	21.6	108	75-125	
2,2-Dichloropropane	ug/L	ND	20	24.9	125	48-150	
2-Butanone (MEK)	ug/L	ND	20	18.8	94	51-134	
2-Chlorotoluene	ug/L	ND	20	22.0	110	75-125	
4-Chlorotoluene	ug/L	ND	20	22.9	115	68-127	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	20	20.0	100	60-135	
Acetone	ug/L	ND	50	46.0	92	30-125	
Allyl chloride	ug/L	ND	20	19.2	96	40-137	
Benzene	ug/L	ND	20	22.8	112	75-125	

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QUALITY CONTROL DATA

Project: 60154982 SUPERIOR WLP
Pace Project No.: 10127075

MATRIX SPIKE SAMPLE: 779453

Parameter	Units	10127075006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Bromobenzene	ug/L	ND	20	23.1	116	75-125	
Bromochloromethane	ug/L	ND	20	25.2	126	75-125	M0
Bromodichloromethane	ug/L	ND	20	21.2	106	72-125	
Bromoform	ug/L	ND	40	36.0	90	51-125	
Bromomethane	ug/L	ND	20	32.5	162	47-130	CH,M0
Carbon tetrachloride	ug/L	ND	20	24.3	122	61-133	
Chlorobenzene	ug/L	ND	20	21.9	109	75-125	
Chloroethane	ug/L	ND	20	23.5	117	75-132	
Chloroform	ug/L	ND	20	22.6	113	75-125	
Chloromethane	ug/L	ND	20	15.7	78	68-132	
cis-1,2-Dichloroethene	ug/L	ND	20	23.6	118	75-125	
cis-1,3-Dichloropropene	ug/L	ND	20	20.0	100	63-125	
Dibromochloromethane	ug/L	ND	20	20.5	102	62-125	
Dibromomethane	ug/L	ND	20	21.9	110	75-125	
Dichlorodifluoromethane	ug/L	ND	20	21.7	108	65-150	
Dichlorofluoromethane	ug/L	ND	20	24.1	120	68-127	
Diethyl ether (Ethyl ether)	ug/L	ND	20	25.2	126	71-125	M0
Ethylbenzene	ug/L	ND	20	21.6	108	75-125	
Hexachloro-1,3-butadiene	ug/L	ND	20	24.3	122	75-147	
Isopropylbenzene (Cumene)	ug/L	ND	20	21.5	107	75-125	
m&p-Xylene	ug/L	ND	40	37.5	94	67-125	
Methyl-tert-butyl ether	ug/L	ND	20	21.8	109	75-125	
Methylene Chloride	ug/L	ND	20	22.5	112	75-125	
n-Butylbenzene	ug/L	ND	20	22.0	110	70-135	
n-Propylbenzene	ug/L	ND	20	22.1	110	70-131	
Naphthalene	ug/L	ND	20	22.7	104	66-127	
o-Xylene	ug/L	ND	20	18.6	93	72-125	
p-Isopropyltoluene	ug/L	ND	20	21.0	105	71-126	
sec-Butylbenzene	ug/L	ND	20	22.3	111	75-127	
Styrene	ug/L	ND	20	10.7	53	30-134	
tert-Butylbenzene	ug/L	ND	20	23.3	116	75-125	
Tetrachloroethene	ug/L	ND	20	24.0	120	74-125	
Tetrahydrofuran	ug/L	ND	200	209	105	65-125	
Toluene	ug/L	ND	20	22.1	109	75-125	
trans-1,2-Dichloroethene	ug/L	ND	20	24.0	120	72-125	
trans-1,3-Dichloropropene	ug/L	ND	20	20.1	101	63-125	
Trichloroethene	ug/L	ND	20	24.0	120	58-127	
Trichlorofluoromethane	ug/L	ND	20	28.3	141	73-150	
Vinyl chloride	ug/L	ND	20	22.4	112	75-134	
Xylene (Total)	ug/L	ND	60	56.1	94	75-125	
1,2-Dichloroethane-d4 (S)	%				96	75-125	
4-Bromofluorobenzene (S)	%				111	75-125	
Dibromofluoromethane (S)	%				100	75-125	
Toluene-d8 (S)	%				97	75-125	

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QUALITY CONTROL DATA

Project: 60154982 SUPERIOR WLP
Pace Project No.: 10127075

SAMPLE DUPLICATE: 779454

Parameter	Units	10127001001 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: 60154982 SUPERIOR WLP
Pace Project No.: 10127075

SAMPLE DUPLICATE: 779454

Parameter	Units	10127001001 Result	Dup Result	RPD	Max RPD	Qualifiers
Isopropylbenzene (Cumene)	ug/L	ND	ND		30	
m&p-Xylene	ug/L		ND	0	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	0	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)	%	101	97	3		
4-Bromofluorobenzene (S)	%	111	113	2		
Dibromofluoromethane (S)	%	101	103	2		
Toluene-d8 (S)	%	100	99	1		

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QUALITY CONTROL DATA

Project: 60154982 SUPERIOR WLP
Pace Project No.: 10127075

QC Batch: MSV/14340 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 465 W
Associated Lab Samples: 10127075001, 10127075004, 10127075005

METHOD BLANK: 779463 Matrix: Water
Associated Lab Samples: 10127075001, 10127075004, 10127075005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	04/25/10 19:39	
1,1,1-Trichloroethane	ug/L	ND	1.0	04/25/10 19:39	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	04/25/10 19:39	
1,1,2-Trichloroethane	ug/L	ND	1.0	04/25/10 19:39	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	1.0	04/25/10 19:39	
1,1-Dichloroethane	ug/L	ND	1.0	04/25/10 19:39	
1,1-Dichloroethene	ug/L	ND	1.0	04/25/10 19:39	
1,1-Dichloropropene	ug/L	ND	1.0	04/25/10 19:39	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	04/25/10 19:39	
1,2,3-Trichloropropane	ug/L	ND	1.0	04/25/10 19:39	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	04/25/10 19:39	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	04/25/10 19:39	
1,2-Dibromo-3-chloropropane	ug/L	ND	4.0	04/25/10 19:39	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	04/25/10 19:39	
1,2-Dichlorobenzene	ug/L	ND	1.0	04/25/10 19:39	
1,2-Dichloroethane	ug/L	ND	1.0	04/25/10 19:39	
1,2-Dichloropropane	ug/L	ND	1.0	04/25/10 19:39	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	04/25/10 19:39	
1,3-Dichlorobenzene	ug/L	ND	1.0	04/25/10 19:39	
1,3-Dichloropropane	ug/L	ND	1.0	04/25/10 19:39	
1,4-Dichlorobenzene	ug/L	ND	1.0	04/25/10 19:39	
2,2-Dichloropropane	ug/L	ND	1.0	04/25/10 19:39	
2-Butanone (MEK)	ug/L	ND	4.0	04/25/10 19:39	
2-Chlorotoluene	ug/L	ND	1.0	04/25/10 19:39	
4-Chlorotoluene	ug/L	ND	1.0	04/25/10 19:39	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	4.0	04/25/10 19:39	
Acetone	ug/L	ND	10.0	04/25/10 19:39	
Allyl chloride	ug/L	ND	4.0	04/25/10 19:39	
Benzene	ug/L	ND	1.0	04/25/10 19:39	
Bromobenzene	ug/L	ND	1.0	04/25/10 19:39	
Bromochloromethane	ug/L	ND	1.0	04/25/10 19:39	
Bromodichloromethane	ug/L	ND	1.0	04/25/10 19:39	
Bromoform	ug/L	ND	8.0	04/25/10 19:39	
Bromomethane	ug/L	ND	4.0	04/25/10 19:39	
Carbon tetrachloride	ug/L	ND	1.0	04/25/10 19:39	
Chlorobenzene	ug/L	ND	1.0	04/25/10 19:39	
Chloroethane	ug/L	ND	1.0	04/25/10 19:39	
Chloroform	ug/L	ND	1.0	04/25/10 19:39	
Chloromethane	ug/L	ND	4.0	04/25/10 19:39	
cis-1,2-Dichloroethene	ug/L	ND	1.0	04/25/10 19:39	
cis-1,3-Dichloropropene	ug/L	ND	4.0	04/25/10 19:39	
Dibromochloromethane	ug/L	ND	1.0	04/25/10 19:39	
Dibromomethane	ug/L	ND	1.0	04/25/10 19:39	

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QUALITY CONTROL DATA

Project: 60154982 SUPERIOR WLP
Pace Project No.: 10127075

METHOD BLANK: 779463 Matrix: Water

Associated Lab Samples: 10127075001, 10127075004, 10127075005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dichlorodifluoromethane	ug/L	ND	1.0	04/25/10 19:39	
Dichlorofluoromethane	ug/L	ND	1.0	04/25/10 19:39	
Diethyl ether (Ethyl ether)	ug/L	ND	4.0	04/25/10 19:39	
Ethylbenzene	ug/L	ND	1.0	04/25/10 19:39	
Hexachloro-1,3-butadiene	ug/L	ND	4.0	04/25/10 19:39	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	04/25/10 19:39	
m&p-Xylene	ug/L	ND	2.0	04/25/10 19:39	
Methyl-tert-butyl ether	ug/L	ND	1.0	04/25/10 19:39	
Methylene Chloride	ug/L	ND	4.0	04/25/10 19:39	
n-Butylbenzene	ug/L	ND	1.0	04/25/10 19:39	
n-Propylbenzene	ug/L	ND	1.0	04/25/10 19:39	
Naphthalene	ug/L	ND	4.0	04/25/10 19:39	
o-Xylene	ug/L	ND	1.0	04/25/10 19:39	
p-Isopropyltoluene	ug/L	ND	1.0	04/25/10 19:39	
sec-Butylbenzene	ug/L	ND	1.0	04/25/10 19:39	
Styrene	ug/L	ND	1.0	04/25/10 19:39	
tert-Butylbenzene	ug/L	ND	1.0	04/25/10 19:39	
Tetrachloroethene	ug/L	ND	1.0	04/25/10 19:39	
Tetrahydrofuran	ug/L	ND	10.0	04/25/10 19:39	
Toluene	ug/L	ND	1.0	04/25/10 19:39	
trans-1,2-Dichloroethene	ug/L	ND	1.0	04/25/10 19:39	
trans-1,3-Dichloropropene	ug/L	ND	4.0	04/25/10 19:39	
Trichloroethene	ug/L	ND	1.0	04/25/10 19:39	
Trichlorofluoromethane	ug/L	ND	1.0	04/25/10 19:39	
Vinyl chloride	ug/L	ND	0.40	04/25/10 19:39	
Xylene (Total)	ug/L	ND	3.0	04/25/10 19:39	
1,2-Dichloroethane-d4 (S)	%	103	75-125	04/25/10 19:39	
4-Bromofluorobenzene (S)	%	98	75-125	04/25/10 19:39	
Dibromofluoromethane (S)	%	101	75-125	04/25/10 19:39	
Toluene-d8 (S)	%	102	75-125	04/25/10 19:39	

LABORATORY CONTROL SAMPLE: 779464

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	51.9	104	75-125	
1,1,1-Trichloroethane	ug/L	50	50.6	101	75-125	
1,1,2,2-Tetrachloroethane	ug/L	50	51.0	102	75-125	
1,1,2-Trichloroethane	ug/L	50	49.3	99	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	50	49.9	100	70-138	
1,1-Dichloroethane	ug/L	50	50.0	100	75-125	
1,1-Dichloroethene	ug/L	50	47.7	95	69-129	
1,1-Dichloropropene	ug/L	50	50.8	102	75-126	
1,2,3-Trichlorobenzene	ug/L	50	52.8	106	75-125	
1,2,3-Trichloropropane	ug/L	50	49.4	99	72-126	
1,2,4-Trichlorobenzene	ug/L	50	53.8	108	75-125	

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QUALITY CONTROL DATA

Project: 60154982 SUPERIOR WLP
Pace Project No.: 10127075

LABORATORY CONTROL SAMPLE: 779464

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trimethylbenzene	ug/L	50	53.3	107	75-125	
1,2-Dibromo-3-chloropropane	ug/L	50	49.9	100	67-125	
1,2-Dibromoethane (EDB)	ug/L	50	50.1	100	75-125	
1,2-Dichlorobenzene	ug/L	50	52.7	105	75-125	
1,2-Dichloroethane	ug/L	50	47.7	95	75-125	
1,2-Dichloropropane	ug/L	50	49.4	99	75-125	
1,3,5-Trimethylbenzene	ug/L	50	53.3	107	75-125	
1,3-Dichlorobenzene	ug/L	50	52.3	105	75-125	
1,3-Dichloropropane	ug/L	50	49.1	98	75-125	
1,4-Dichlorobenzene	ug/L	50	52.1	104	75-125	
2,2-Dichloropropane	ug/L	50	53.1	106	48-150	
2-Butanone (MEK)	ug/L	50	48.9	98	51-134	
2-Chlorotoluene	ug/L	50	52.9	106	75-125	
4-Chlorotoluene	ug/L	50	52.0	104	75-125	
4-Methyl-2-pentanone (MIBK)	ug/L	50	47.2	94	60-125	
Acetone	ug/L	125	123	98	38-125	
Allyl chloride	ug/L	50	50.3	101	64-137	
Benzene	ug/L	50	50.1	100	75-125	
Bromobenzene	ug/L	50	51.3	103	75-125	
Bromochloromethane	ug/L	50	48.6	97	75-125	
Bromodichloromethane	ug/L	50	51.3	103	75-125	
Bromoform	ug/L	100	96.0	96	68-125	
Bromomethane	ug/L	50	44.6	89	47-129	
Carbon tetrachloride	ug/L	50	51.6	103	59-133	
Chlorobenzene	ug/L	50	50.7	101	75-125	
Chloroethane	ug/L	50	54.4	109	73-132	
Chloroform	ug/L	50	49.6	99	75-125	
Chloromethane	ug/L	50	48.8	98	72-125	
cis-1,2-Dichloroethene	ug/L	50	51.4	103	75-125	
cis-1,3-Dichloropropene	ug/L	50	51.2	102	75-125	
Dibromochloromethane	ug/L	50	51.6	103	75-125	
Dibromomethane	ug/L	50	48.1	96	75-125	
Dichlorodifluoromethane	ug/L	50	48.6	97	69-134	
Dichlorofluoromethane	ug/L	50	47.0	94	70-125	
Diethyl ether (Ethyl ether)	ug/L	50	46.2	92	71-125	
Ethylbenzene	ug/L	50	52.2	104	75-125	
Hexachloro-1,3-butadiene	ug/L	50	59.2	118	75-137	
Isopropylbenzene (Cumene)	ug/L	50	53.3	107	75-125	
m&p-Xylene	ug/L	100	105	105	75-125	
Methyl-tert-butyl ether	ug/L	50	48.1	96	75-125	
Methylene Chloride	ug/L	50	46.3	93	75-125	
n-Butylbenzene	ug/L	50	56.0	112	75-125	
n-Propylbenzene	ug/L	50	54.3	109	75-125	
Naphthalene	ug/L	50	50.6	101	72-125	
o-Xylene	ug/L	50	51.7	103	75-125	
p-Isopropyltoluene	ug/L	50	55.1	110	75-125	
sec-Butylbenzene	ug/L	50	55.0	110	75-125	
Styrene	ug/L	50	53.3	107	75-125	

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QUALITY CONTROL DATA

Project: 60154982 SUPERIOR WLP
Pace Project No.: 10127075

LABORATORY CONTROL SAMPLE: 779464

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
tert-Butylbenzene	ug/L	50	53.8	108	75-125	
Tetrachloroethene	ug/L	50	52.5	105	74-125	
Tetrahydrofuran	ug/L	500	457	91	65-125	
Toluene	ug/L	50	50.5	101	75-125	
trans-1,2-Dichloroethene	ug/L	50	49.1	98	74-125	
trans-1,3-Dichloropropene	ug/L	50	52.8	106	75-125	
Trichloroethene	ug/L	50	49.8	100	75-125	
Trichlorofluoromethane	ug/L	50	48.9	98	73-134	
Vinyl chloride	ug/L	50	48.7	97	75-126	
Xylene (Total)	ug/L	150	156	104	75-125	
1,2-Dichloroethane-d4 (S)	%			97	75-125	
4-Bromofluorobenzene (S)	%			103	75-125	
Dibromofluoromethane (S)	%			101	75-125	
Toluene-d8 (S)	%			101	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 779465 779466

Parameter	Units	10126696026 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	500	500	514	514	103	103	71-125	0	30	
1,1,1-Trichloroethane	ug/L	ND	500	500	540	499	108	100	75-125	8	30	
1,1,2,2-Tetrachloroethane	ug/L	ND	500	500	518	521	104	104	75-126	0	30	
1,1,2-Trichloroethane	ug/L	ND	500	500	518	505	104	101	75-125	2	30	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	500	500	683	631	137	126	70-150	8	30	
1,1-Dichloroethane	ug/L	ND	500	500	532	500	106	100	75-125	6	30	
1,1-Dichloroethene	ug/L	ND	500	500	524	483	105	97	64-142	8	30	
1,1-Dichloropropene	ug/L	ND	500	500	528	511	106	102	75-125	3	30	
1,2,3-Trichlorobenzene	ug/L	ND	500	500	585	536	117	107	75-125	9	30	
1,2,3-Trichloropropane	ug/L	ND	500	500	506	502	101	100	72-127	1	30	
1,2,4-Trichlorobenzene	ug/L	ND	500	500	584	549	117	110	75-125	6	30	
1,2,4-Trimethylbenzene	ug/L	ND	500	500	549	526	110	105	75-125	4	30	
1,2-Dibromo-3-chloropropane	ug/L	ND	500	500	476	495	95	99	65-125	4	30	
1,2-Dibromoethane (EDB)	ug/L	ND	500	500	523	517	105	103	75-125	1	30	
1,2-Dichlorobenzene	ug/L	ND	500	500	533	521	107	104	75-125	2	30	
1,2-Dichloroethane	ug/L	ND	500	500	529	499	106	100	75-125	6	30	
1,2-Dichloropropane	ug/L	ND	500	500	525	506	105	101	75-125	4	30	
1,3,5-Trimethylbenzene	ug/L	ND	500	500	549	527	110	105	75-127	4	30	
1,3-Dichlorobenzene	ug/L	ND	500	500	537	517	107	103	75-125	4	30	
1,3-Dichloropropane	ug/L	ND	500	500	516	510	103	102	75-125	1	30	
1,4-Dichlorobenzene	ug/L	ND	500	500	532	523	106	105	75-125	2	30	
2,2-Dichloropropane	ug/L	ND	500	500	561	515	112	103	48-150	9	30	
2-Butanone (MEK)	ug/L	ND	500	500	450	456	90	91	51-134	1	30	
2-Chlorotoluene	ug/L	ND	500	500	532	521	106	104	75-125	2	30	
4-Chlorotoluene	ug/L	ND	500	500	537	515	107	103	68-127	4	30	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	500	500	497	489	99	98	60-135	2	30	
Acetone	ug/L	ND	1250	1250	985	909	79	73	30-125	8	30	
Allyl chloride	ug/L	ND	500	500	550	499	110	100	40-137	10	30	

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QUALITY CONTROL DATA

Project: 60154982 SUPERIOR WLP
Pace Project No.: 10127075

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 779465 779466

Parameter	Units	10126696026 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	ND	500	500	534	498	107	100	75-125	7	30	
Bromobenzene	ug/L	ND	500	500	533	511	107	102	75-125	4	30	
Bromochloromethane	ug/L	ND	500	500	530	486	106	97	75-125	9	30	
Bromodichloromethane	ug/L	ND	500	500	534	514	107	103	72-125	4	30	
Bromoform	ug/L	ND	1000	1000	980	959	98	96	51-125	2	30	
Bromomethane	ug/L	ND	500	500	556	470	111	94	47-130	17	30	
Carbon tetrachloride	ug/L	ND	500	500	538	501	108	100	61-133	7	30	
Chlorobenzene	ug/L	ND	500	500	520	514	104	103	75-125	1	30	
Chloroethane	ug/L	ND	500	500	435	400	87	80	75-132	8	30	
Chloroform	ug/L	ND	500	500	537	509	107	102	75-125	5	30	
Chloromethane	ug/L	ND	500	500	491	463	98	93	68-132	6	30	
cis-1,2-Dichloroethene	ug/L	3140	500	500	3290	3070	30	-14	75-125	7	30	P6
cis-1,3-Dichloropropene	ug/L	ND	500	500	526	504	105	101	63-125	4	30	
Dibromochloromethane	ug/L	ND	500	500	518	504	104	101	62-125	3	30	
Dibromomethane	ug/L	ND	500	500	504	501	101	100	75-125	1	30	
Dichlorodifluoromethane	ug/L	ND	500	500	604	577	121	115	65-150	5	30	
Dichlorofluoromethane	ug/L	ND	500	500	511	483	102	97	68-127	6	30	
Diethyl ether (Ethyl ether)	ug/L	ND	500	500	505	499	101	100	71-125	1	30	
Ethylbenzene	ug/L	ND	500	500	536	518	107	104	75-125	3	30	
Hexachloro-1,3-butadiene	ug/L	ND	500	500	683	625	137	125	75-147	9	30	
Isopropylbenzene (Cumene)	ug/L	ND	500	500	543	522	109	104	75-125	4	30	
m&p-Xylene	ug/L	ND	1000	1000	1060	1040	106	104	67-125	3	30	
Methyl-tert-butyl ether	ug/L	ND	500	500	519	492	104	98	75-125	5	30	
Methylene Chloride	ug/L	ND	500	500	517	493	103	99	75-125	5	30	
n-Butylbenzene	ug/L	ND	500	500	601	563	120	113	70-135	6	30	
n-Propylbenzene	ug/L	ND	500	500	559	531	112	106	70-131	5	30	
Naphthalene	ug/L	ND	500	500	520	512	104	102	66-127	2	30	
o-Xylene	ug/L	ND	500	500	530	521	106	104	72-125	2	30	
p-Isopropyltoluene	ug/L	ND	500	500	583	543	117	109	71-126	7	30	
sec-Butylbenzene	ug/L	ND	500	500	575	542	115	108	75-127	6	30	
Styrene	ug/L	ND	500	500	525	518	105	104	30-134	1	30	
tert-Butylbenzene	ug/L	ND	500	500	560	525	112	105	75-125	7	30	
Tetrachloroethene	ug/L	ND	500	500	555	530	111	106	74-125	5	30	
Tetrahydrofuran	ug/L	ND	5000	5000	4930	4820	99	96	65-125	2	30	
Toluene	ug/L	ND	500	500	528	510	106	102	75-125	4	30	
trans-1,2-Dichloroethene	ug/L	138	500	500	651	604	103	93	72-125	7	30	
trans-1,3-Dichloropropene	ug/L	ND	500	500	535	527	107	105	63-125	1	30	
Trichloroethene	ug/L	131	500	500	639	599	102	94	58-127	7	30	
Trichlorofluoromethane	ug/L	ND	500	500	522	516	104	103	73-150	1	30	
Vinyl chloride	ug/L	ND	500	500	488	453	98	91	75-134	7	30	
Xylene (Total)	ug/L	ND	1500	1500	1600	1560	106	104	75-125	2	30	
1,2-Dichloroethane-d4 (S)	%						100	99	75-125			
4-Bromofluorobenzene (S)	%						100	100	75-125			
Dibromofluoromethane (S)	%						100	101	75-125			
Toluene-d8 (S)	%						101	101	75-125			

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QUALITY CONTROL DATA

Project: 60154982 SUPERIOR WLP
Pace Project No.: 10127075

QC Batch: MSV/14347 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 465 W
Associated Lab Samples: 10127075008, 10127075010

METHOD BLANK: 779898 Matrix: Water
Associated Lab Samples: 10127075008, 10127075010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	04/26/10 21:09	
1,1,1-Trichloroethane	ug/L	ND	1.0	04/26/10 21:09	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	04/26/10 21:09	
1,1,2-Trichloroethane	ug/L	ND	1.0	04/26/10 21:09	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	1.0	04/26/10 21:09	
1,1-Dichloroethane	ug/L	ND	1.0	04/26/10 21:09	
1,1-Dichloroethene	ug/L	ND	1.0	04/26/10 21:09	
1,1-Dichloropropene	ug/L	ND	1.0	04/26/10 21:09	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	04/26/10 21:09	
1,2,3-Trichloropropane	ug/L	ND	1.0	04/26/10 21:09	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	04/26/10 21:09	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	04/26/10 21:09	
1,2-Dibromo-3-chloropropane	ug/L	ND	4.0	04/26/10 21:09	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	04/26/10 21:09	
1,2-Dichlorobenzene	ug/L	ND	1.0	04/26/10 21:09	
1,2-Dichloroethane	ug/L	ND	1.0	04/26/10 21:09	
1,2-Dichloropropane	ug/L	ND	1.0	04/26/10 21:09	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	04/26/10 21:09	
1,3-Dichlorobenzene	ug/L	ND	1.0	04/26/10 21:09	
1,3-Dichloropropane	ug/L	ND	1.0	04/26/10 21:09	
1,4-Dichlorobenzene	ug/L	ND	1.0	04/26/10 21:09	
2,2-Dichloropropane	ug/L	ND	4.0	04/26/10 21:09	
2-Butanone (MEK)	ug/L	ND	4.0	04/26/10 21:09	
2-Chlorotoluene	ug/L	ND	1.0	04/26/10 21:09	
4-Chlorotoluene	ug/L	ND	1.0	04/26/10 21:09	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	4.0	04/26/10 21:09	
Acetone	ug/L	ND	10.0	04/26/10 21:09	
Allyl chloride	ug/L	ND	4.0	04/26/10 21:09	
Benzene	ug/L	ND	1.0	04/26/10 21:09	
Bromobenzene	ug/L	ND	1.0	04/26/10 21:09	
Bromochloromethane	ug/L	ND	1.0	04/26/10 21:09	
Bromodichloromethane	ug/L	ND	1.0	04/26/10 21:09	
Bromoform	ug/L	ND	8.0	04/26/10 21:09	
Bromomethane	ug/L	ND	4.0	04/26/10 21:09	
Carbon tetrachloride	ug/L	ND	4.0	04/26/10 21:09	
Chlorobenzene	ug/L	ND	1.0	04/26/10 21:09	
Chloroethane	ug/L	ND	1.0	04/26/10 21:09	
Chloroform	ug/L	ND	1.0	04/26/10 21:09	
Chloromethane	ug/L	ND	4.0	04/26/10 21:09	
cis-1,2-Dichloroethene	ug/L	ND	1.0	04/26/10 21:09	
cis-1,3-Dichloropropene	ug/L	ND	4.0	04/26/10 21:09	
Dibromochloromethane	ug/L	ND	1.0	04/26/10 21:09	
Dibromomethane	ug/L	ND	4.0	04/26/10 21:09	

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QUALITY CONTROL DATA

Project: 60154982 SUPERIOR WLP
Pace Project No.: 10127075

METHOD BLANK: 779898 Matrix: Water

Associated Lab Samples: 10127075008, 10127075010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dichlorodifluoromethane	ug/L	ND	1.0	04/26/10 21:09	
Dichlorofluoromethane	ug/L	ND	1.0	04/26/10 21:09	
Diethyl ether (Ethyl ether)	ug/L	ND	4.0	04/26/10 21:09	
Ethylbenzene	ug/L	ND	1.0	04/26/10 21:09	
Hexachloro-1,3-butadiene	ug/L	ND	4.0	04/26/10 21:09	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	04/26/10 21:09	
m&p-Xylene	ug/L	ND	2.0	04/26/10 21:09	
Methyl-tert-butyl ether	ug/L	ND	1.0	04/26/10 21:09	
Methylene Chloride	ug/L	ND	4.0	04/26/10 21:09	
n-Butylbenzene	ug/L	ND	1.0	04/26/10 21:09	
n-Propylbenzene	ug/L	ND	1.0	04/26/10 21:09	
Naphthalene	ug/L	ND	4.0	04/26/10 21:09	
o-Xylene	ug/L	ND	1.0	04/26/10 21:09	
p-Isopropyltoluene	ug/L	ND	1.0	04/26/10 21:09	
sec-Butylbenzene	ug/L	ND	1.0	04/26/10 21:09	
Styrene	ug/L	ND	1.0	04/26/10 21:09	
tert-Butylbenzene	ug/L	ND	1.0	04/26/10 21:09	
Tetrachloroethene	ug/L	ND	1.0	04/26/10 21:09	
Tetrahydrofuran	ug/L	ND	10.0	04/26/10 21:09	
Toluene	ug/L	ND	1.0	04/26/10 21:09	
trans-1,2-Dichloroethene	ug/L	ND	1.0	04/26/10 21:09	
trans-1,3-Dichloropropene	ug/L	ND	4.0	04/26/10 21:09	
Trichloroethene	ug/L	ND	1.0	04/26/10 21:09	
Trichlorofluoromethane	ug/L	ND	1.0	04/26/10 21:09	
Vinyl chloride	ug/L	ND	0.40	04/26/10 21:09	
Xylene (Total)	ug/L	ND	3.0	04/26/10 21:09	
1,2-Dichloroethane-d4 (S)	%	101	75-125	04/26/10 21:09	
4-Bromofluorobenzene (S)	%	100	75-125	04/26/10 21:09	
Dibromofluoromethane (S)	%	103	75-125	04/26/10 21:09	
Toluene-d8 (S)	%	98	75-125	04/26/10 21:09	

LABORATORY CONTROL SAMPLE: 779899

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	18.9	95	75-125	
1,1,1-Trichloroethane	ug/L	20	20.9	105	75-125	
1,1,2,2-Tetrachloroethane	ug/L	20	19.7	99	75-125	
1,1,2-Trichloroethane	ug/L	20	18.8	94	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	20	20.2	101	70-138	
1,1-Dichloroethane	ug/L	20	20.9	104	75-125	
1,1-Dichloroethene	ug/L	20	21.5	107	69-129	
1,1-Dichloropropene	ug/L	20	20.7	104	75-126	
1,2,3-Trichlorobenzene	ug/L	20	19.2	96	75-125	
1,2,3-Trichloropropane	ug/L	20	19.5	98	72-126	
1,2,4-Trichlorobenzene	ug/L	20	19.4	97	75-125	

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QUALITY CONTROL DATA

Project: 60154982 SUPERIOR WLP
Pace Project No.: 10127075

LABORATORY CONTROL SAMPLE: 779899

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trimethylbenzene	ug/L	20	19.8	99	75-125	
1,2-Dibromo-3-chloropropane	ug/L	20	18.0	90	67-125	
1,2-Dibromoethane (EDB)	ug/L	20	18.9	95	75-125	
1,2-Dichlorobenzene	ug/L	20	19.2	96	75-125	
1,2-Dichloroethane	ug/L	20	19.7	98	75-125	
1,2-Dichloropropane	ug/L	20	19.4	97	75-125	
1,3,5-Trimethylbenzene	ug/L	20	19.7	98	75-125	
1,3-Dichlorobenzene	ug/L	20	19.4	97	75-125	
1,3-Dichloropropane	ug/L	20	19.2	96	75-125	
1,4-Dichlorobenzene	ug/L	20	18.7	94	75-125	
2,2-Dichloropropane	ug/L	20	20.7	104	48-150	
2-Butanone (MEK)	ug/L	20	20.2	101	51-134	
2-Chlorotoluene	ug/L	20	19.2	96	75-125	
4-Chlorotoluene	ug/L	20	19.9	100	75-125	
4-Methyl-2-pentanone (MIBK)	ug/L	20	19.0	95	60-125	
Acetone	ug/L	50	58.0	116	38-125	
Allyl chloride	ug/L	20	20.3	102	64-137	
Benzene	ug/L	20	20.0	100	75-125	
Bromobenzene	ug/L	20	19.4	97	75-125	
Bromochloromethane	ug/L	20	21.4	107	75-125	
Bromodichloromethane	ug/L	20	19.4	97	75-125	
Bromoform	ug/L	40	36.2	91	68-125	
Bromomethane	ug/L	20	29.5	147	47-129	L0
Carbon tetrachloride	ug/L	20	18.9	94	59-133	
Chlorobenzene	ug/L	20	19.2	96	75-125	
Chloroethane	ug/L	20	19.8	99	73-132	
Chloroform	ug/L	20	20.1	101	75-125	
Chloromethane	ug/L	20	21.7	109	72-125	
cis-1,2-Dichloroethene	ug/L	20	20.3	101	75-125	
cis-1,3-Dichloropropene	ug/L	20	20.1	100	75-125	
Dibromochloromethane	ug/L	20	18.5	93	75-125	
Dibromomethane	ug/L	20	19.4	97	75-125	
Dichlorodifluoromethane	ug/L	20	16.3	82	69-134	
Dichlorofluoromethane	ug/L	20	19.2	96	70-125	
Diethyl ether (Ethyl ether)	ug/L	20	19.0	95	71-125	
Ethylbenzene	ug/L	20	19.4	97	75-125	
Hexachloro-1,3-butadiene	ug/L	20	20.4	102	75-137	
Isopropylbenzene (Cumene)	ug/L	20	19.8	99	75-125	
m&p-Xylene	ug/L	40	38.6	97	75-125	
Methyl-tert-butyl ether	ug/L	20	19.6	98	75-125	
Methylene Chloride	ug/L	20	17.8	89	75-125	
n-Butylbenzene	ug/L	20	19.9	100	75-125	
n-Propylbenzene	ug/L	20	19.5	97	75-125	
Naphthalene	ug/L	20	19.3	96	72-125	
o-Xylene	ug/L	20	18.9	94	75-125	
p-Isopropyltoluene	ug/L	20	19.9	99	75-125	
sec-Butylbenzene	ug/L	20	19.8	99	75-125	
Styrene	ug/L	20	19.2	96	75-125	

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QUALITY CONTROL DATA

Project: 60154982 SUPERIOR WLP
Pace Project No.: 10127075

LABORATORY CONTROL SAMPLE: 779899

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
tert-Butylbenzene	ug/L	20	19.9	99	75-125	
Tetrachloroethene	ug/L	20	20.1	101	74-125	
Tetrahydrofuran	ug/L	200	188	94	65-125	
Toluene	ug/L	20	19.8	99	75-125	
trans-1,2-Dichloroethene	ug/L	20	20.1	101	74-125	
trans-1,3-Dichloropropene	ug/L	20	19.8	99	75-125	
Trichloroethene	ug/L	20	20.6	103	75-125	
Trichlorofluoromethane	ug/L	20	20.3	101	73-134	
Vinyl chloride	ug/L	20	20.7	104	75-126	
Xylene (Total)	ug/L	60	57.5	96	75-125	
1,2-Dichloroethane-d4 (S)	%			99	75-125	
4-Bromofluorobenzene (S)	%			100	75-125	
Dibromofluoromethane (S)	%			98	75-125	
Toluene-d8 (S)	%			98	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 779961 779962

Parameter	Units	10127287025 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	500	500	470	488	94	98	71-125	4	30	
1,1,1-Trichloroethane	ug/L	ND	500	500	500	525	100	105	75-125	5	30	
1,1,2,2-Tetrachloroethane	ug/L	ND	500	500	496	490	99	98	75-126	1	30	
1,1,2-Trichloroethane	ug/L	ND	500	500	468	477	94	95	75-125	2	30	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	500	500	478	521	96	104	70-150	9	30	
1,1-Dichloroethane	ug/L	ND	500	500	503	528	101	106	75-125	5	30	
1,1-Dichloroethene	ug/L	ND	500	500	503	542	101	108	64-142	7	30	
1,1-Dichloropropene	ug/L	ND	500	500	489	531	98	106	75-125	8	30	
1,2,3-Trichlorobenzene	ug/L	ND	500	500	478	479	96	96	75-125	0	30	
1,2,3-Trichloropropane	ug/L	ND	500	500	505	510	101	102	72-127	1	30	
1,2,4-Trichlorobenzene	ug/L	ND	500	500	475	477	95	95	75-125	0	30	
1,2,4-Trimethylbenzene	ug/L	ND	500	500	486	495	97	99	75-125	2	30	
1,2-Dibromo-3-chloropropane	ug/L	ND	500	500	470	478	94	96	65-125	2	30	
1,2-Dibromoethane (EDB)	ug/L	ND	500	500	461	473	92	95	75-125	3	30	
1,2-Dichlorobenzene	ug/L	ND	500	500	475	485	95	97	75-125	2	30	
1,2-Dichloroethane	ug/L	ND	500	500	485	499	97	100	75-125	3	30	
1,2-Dichloropropane	ug/L	ND	500	500	458	490	92	98	75-125	7	30	
1,3,5-Trimethylbenzene	ug/L	ND	500	500	474	494	95	99	75-127	4	30	
1,3-Dichlorobenzene	ug/L	ND	500	500	469	481	94	96	75-125	3	30	
1,3-Dichloropropane	ug/L	ND	500	500	473	486	95	97	75-125	3	30	
1,4-Dichlorobenzene	ug/L	ND	500	500	465	475	93	95	75-125	2	30	
2,2-Dichloropropane	ug/L	ND	500	500	490	522	98	104	48-150	7	30	
2-Butanone (MEK)	ug/L	ND	500	500	463	475	93	95	51-134	2	30	
2-Chlorotoluene	ug/L	ND	500	500	468	481	94	96	75-125	3	30	
4-Chlorotoluene	ug/L	ND	500	500	484	494	97	99	68-127	2	30	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	500	500	468	485	94	97	60-135	4	30	
Acetone	ug/L	ND	1250	1250	1080	1030	87	82	30-125	5	30	
Allyl chloride	ug/L	ND	500	500	487	526	97	105	40-137	8	30	

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QUALITY CONTROL DATA

Project: 60154982 SUPERIOR WLP
Pace Project No.: 10127075

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 779961 779962

Parameter	Units	10127287025 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	ND	500	500	485	510	97	102	75-125	5	30	
Bromobenzene	ug/L	ND	500	500	475	486	95	97	75-125	2	30	
Bromochloromethane	ug/L	ND	500	500	518	530	104	106	75-125	2	30	
Bromodichloromethane	ug/L	ND	500	500	469	493	94	99	72-125	5	30	
Bromoform	ug/L	ND	1000	1000	884	903	88	90	51-125	2	30	
Bromomethane	ug/L	ND	500	500	721	769	144	154	47-130	6	30	M0
Carbon tetrachloride	ug/L	ND	500	500	439	467	88	93	61-133	6	30	
Chlorobenzene	ug/L	ND	500	500	463	488	93	98	75-125	5	30	
Chloroethane	ug/L	ND	500	500	462	496	92	99	75-132	7	30	
Chloroform	ug/L	ND	500	500	496	514	99	103	75-125	4	30	
Chloromethane	ug/L	ND	500	500	507	552	101	110	68-132	8	30	
cis-1,2-Dichloroethene	ug/L	ND	500	500	510	542	101	108	75-125	6	30	
cis-1,3-Dichloropropene	ug/L	ND	500	500	466	492	93	98	63-125	5	30	
Dibromochloromethane	ug/L	ND	500	500	457	477	91	95	62-125	4	30	
Dibromomethane	ug/L	ND	500	500	471	497	94	99	75-125	5	30	
Dichlorodifluoromethane	ug/L	ND	500	500	386	414	77	83	65-150	7	30	
Dichlorofluoromethane	ug/L	ND	500	500	456	483	91	97	68-127	6	30	
Diethyl ether (Ethyl ether)	ug/L	ND	500	500	479	500	96	100	71-125	4	30	
Ethylbenzene	ug/L	ND	500	500	463	497	93	99	75-125	7	30	
Hexachloro-1,3-butadiene	ug/L	ND	500	500	480	496	96	99	75-147	3	30	
Isopropylbenzene (Cumene)	ug/L	ND	500	500	468	499	94	100	75-125	7	30	
m&p-Xylene	ug/L	ND	1000	1000	922	986	92	99	67-125	7	30	
Methyl-tert-butyl ether	ug/L	ND	500	500	495	505	99	101	75-125	2	30	
Methylene Chloride	ug/L	ND	500	500	435	453	87	91	75-125	4	30	
n-Butylbenzene	ug/L	ND	500	500	474	490	95	98	70-135	3	30	
n-Propylbenzene	ug/L	ND	500	500	471	483	94	97	70-131	3	30	
Naphthalene	ug/L	ND	500	500	486	484	97	97	66-127	0	30	
o-Xylene	ug/L	ND	500	500	454	477	91	95	72-125	5	30	
p-Isopropyltoluene	ug/L	ND	500	500	478	487	96	97	71-126	2	30	
sec-Butylbenzene	ug/L	ND	500	500	470	486	94	97	75-127	3	30	
Styrene	ug/L	ND	500	500	463	486	93	97	30-134	5	30	
tert-Butylbenzene	ug/L	ND	500	500	477	496	95	99	75-125	4	30	
Tetrachloroethene	ug/L	ND	500	500	470	505	94	101	74-125	7	30	
Tetrahydrofuran	ug/L	ND	5000	5000	4840	5010	97	100	65-125	3	30	
Toluene	ug/L	ND	500	500	471	502	94	100	75-125	7	30	
trans-1,2-Dichloroethene	ug/L	ND	500	500	484	517	97	103	72-125	7	30	
trans-1,3-Dichloropropene	ug/L	ND	500	500	485	506	97	101	63-125	4	30	
Trichloroethene	ug/L	3250	500	500	3530	3810	57	112	58-127	7	30	E,M0
Trichlorofluoromethane	ug/L	ND	500	500	474	503	95	101	73-150	6	30	
Vinyl chloride	ug/L	ND	500	500	471	503	94	101	75-134	7	30	
Xylene (Total)	ug/L	ND	1500	1500	1380	1460	92	98	75-125	6	30	
1,2-Dichloroethane-d4 (S)	%						96	101	75-125			
4-Bromofluorobenzene (S)	%						104	100	75-125			
Dibromofluoromethane (S)	%						101	102	75-125			
Toluene-d8 (S)	%						98	100	75-125			

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QUALITY CONTROL DATA

Project: 60154982 SUPERIOR WLP
Pace Project No.: 10127075

QC Batch: MSV/14351 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 465 W
Associated Lab Samples: 10127075009, 10127075011

METHOD BLANK: 780164 Matrix: Water
Associated Lab Samples: 10127075009, 10127075011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	04/27/10 10:36	
1,1,1-Trichloroethane	ug/L	ND	1.0	04/27/10 10:36	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	04/27/10 10:36	
1,1,2-Trichloroethane	ug/L	ND	1.0	04/27/10 10:36	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	1.0	04/27/10 10:36	
1,1-Dichloroethane	ug/L	ND	1.0	04/27/10 10:36	
1,1-Dichloroethene	ug/L	ND	1.0	04/27/10 10:36	
1,1-Dichloropropene	ug/L	ND	1.0	04/27/10 10:36	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	04/27/10 10:36	
1,2,3-Trichloropropane	ug/L	ND	1.0	04/27/10 10:36	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	04/27/10 10:36	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	04/27/10 10:36	
1,2-Dibromo-3-chloropropane	ug/L	ND	4.0	04/27/10 10:36	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	04/27/10 10:36	
1,2-Dichlorobenzene	ug/L	ND	1.0	04/27/10 10:36	
1,2-Dichloroethane	ug/L	ND	1.0	04/27/10 10:36	
1,2-Dichloropropane	ug/L	ND	1.0	04/27/10 10:36	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	04/27/10 10:36	
1,3-Dichlorobenzene	ug/L	ND	1.0	04/27/10 10:36	
1,3-Dichloropropane	ug/L	ND	1.0	04/27/10 10:36	
1,4-Dichlorobenzene	ug/L	ND	1.0	04/27/10 10:36	
2,2-Dichloropropane	ug/L	ND	4.0	04/27/10 10:36	
2-Butanone (MEK)	ug/L	ND	4.0	04/27/10 10:36	
2-Chlorotoluene	ug/L	ND	1.0	04/27/10 10:36	
4-Chlorotoluene	ug/L	ND	1.0	04/27/10 10:36	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	4.0	04/27/10 10:36	
Acetone	ug/L	ND	10.0	04/27/10 10:36	
Allyl chloride	ug/L	ND	4.0	04/27/10 10:36	
Benzene	ug/L	ND	1.0	04/27/10 10:36	
Bromobenzene	ug/L	ND	1.0	04/27/10 10:36	
Bromochloromethane	ug/L	ND	1.0	04/27/10 10:36	
Bromodichloromethane	ug/L	ND	1.0	04/27/10 10:36	
Bromoform	ug/L	ND	8.0	04/27/10 10:36	
Bromomethane	ug/L	ND	4.0	04/27/10 10:36	
Carbon tetrachloride	ug/L	ND	4.0	04/27/10 10:36	
Chlorobenzene	ug/L	ND	1.0	04/27/10 10:36	
Chloroethane	ug/L	ND	1.0	04/27/10 10:36	
Chloroform	ug/L	ND	1.0	04/27/10 10:36	
Chloromethane	ug/L	ND	4.0	04/27/10 10:36	
cis-1,2-Dichloroethene	ug/L	ND	1.0	04/27/10 10:36	
cis-1,3-Dichloropropene	ug/L	ND	4.0	04/27/10 10:36	
Dibromochloromethane	ug/L	ND	1.0	04/27/10 10:36	
Dibromomethane	ug/L	ND	4.0	04/27/10 10:36	

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QUALITY CONTROL DATA

Project: 60154982 SUPERIOR WLP
Pace Project No.: 10127075

METHOD BLANK: 780164 Matrix: Water

Associated Lab Samples: 10127075009, 10127075011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dichlorodifluoromethane	ug/L	ND	1.0	04/27/10 10:36	
Dichlorofluoromethane	ug/L	ND	1.0	04/27/10 10:36	
Diethyl ether (Ethyl ether)	ug/L	ND	4.0	04/27/10 10:36	
Ethylbenzene	ug/L	ND	1.0	04/27/10 10:36	
Hexachloro-1,3-butadiene	ug/L	ND	4.0	04/27/10 10:36	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	04/27/10 10:36	
m&p-Xylene	ug/L	ND	2.0	04/27/10 10:36	
Methyl-tert-butyl ether	ug/L	ND	1.0	04/27/10 10:36	
Methylene Chloride	ug/L	ND	4.0	04/27/10 10:36	
n-Butylbenzene	ug/L	ND	1.0	04/27/10 10:36	
n-Propylbenzene	ug/L	ND	1.0	04/27/10 10:36	
Naphthalene	ug/L	ND	4.0	04/27/10 10:36	
o-Xylene	ug/L	ND	1.0	04/27/10 10:36	
p-Isopropyltoluene	ug/L	ND	1.0	04/27/10 10:36	
sec-Butylbenzene	ug/L	ND	1.0	04/27/10 10:36	
Styrene	ug/L	ND	1.0	04/27/10 10:36	
tert-Butylbenzene	ug/L	ND	1.0	04/27/10 10:36	
Tetrachloroethene	ug/L	ND	1.0	04/27/10 10:36	
Tetrahydrofuran	ug/L	ND	10.0	04/27/10 10:36	
Toluene	ug/L	ND	1.0	04/27/10 10:36	
trans-1,2-Dichloroethene	ug/L	ND	1.0	04/27/10 10:36	
trans-1,3-Dichloropropene	ug/L	ND	4.0	04/27/10 10:36	
Trichloroethene	ug/L	ND	1.0	04/27/10 10:36	
Trichlorofluoromethane	ug/L	ND	1.0	04/27/10 10:36	
Vinyl chloride	ug/L	ND	0.40	04/27/10 10:36	
Xylene (Total)	ug/L	ND	3.0	04/27/10 10:36	
1,2-Dichloroethane-d4 (S)	%	102	75-125	04/27/10 10:36	
4-Bromofluorobenzene (S)	%	97	75-125	04/27/10 10:36	
Dibromofluoromethane (S)	%	107	75-125	04/27/10 10:36	
Toluene-d8 (S)	%	99	75-125	04/27/10 10:36	

LABORATORY CONTROL SAMPLE: 780165

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	19.1	95	75-125	
1,1,1-Trichloroethane	ug/L	20	20.6	103	75-125	
1,1,2,2-Tetrachloroethane	ug/L	20	17.6	88	75-125	
1,1,2-Trichloroethane	ug/L	20	19.5	98	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	20	18.4	92	70-138	
1,1-Dichloroethane	ug/L	20	20.4	102	75-125	
1,1-Dichloroethene	ug/L	20	21.0	105	69-129	
1,1-Dichloropropene	ug/L	20	20.2	101	75-126	
1,2,3-Trichlorobenzene	ug/L	20	18.1	91	75-125	
1,2,3-Trichloropropane	ug/L	20	18.6	93	72-126	
1,2,4-Trichlorobenzene	ug/L	20	17.6	88	75-125	

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QUALITY CONTROL DATA

Project: 60154982 SUPERIOR WLP
Pace Project No.: 10127075

LABORATORY CONTROL SAMPLE: 780165

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trimethylbenzene	ug/L	20	18.8	94	75-125	
1,2-Dibromo-3-chloropropane	ug/L	20	17.0	85	67-125	
1,2-Dibromoethane (EDB)	ug/L	20	18.8	94	75-125	
1,2-Dichlorobenzene	ug/L	20	18.7	93	75-125	
1,2-Dichloroethane	ug/L	20	19.8	99	75-125	
1,2-Dichloropropane	ug/L	20	19.5	97	75-125	
1,3,5-Trimethylbenzene	ug/L	20	18.5	93	75-125	
1,3-Dichlorobenzene	ug/L	20	18.3	91	75-125	
1,3-Dichloropropane	ug/L	20	19.3	97	75-125	
1,4-Dichlorobenzene	ug/L	20	18.1	90	75-125	
2,2-Dichloropropane	ug/L	20	14.9	75	48-150	
2-Butanone (MEK)	ug/L	20	18.7	93	51-134	
2-Chlorotoluene	ug/L	20	18.1	90	75-125	
4-Chlorotoluene	ug/L	20	18.4	92	75-125	
4-Methyl-2-pentanone (MIBK)	ug/L	20	18.9	94	60-125	
Acetone	ug/L	50	54.5	109	38-125	
Allyl chloride	ug/L	20	19.0	95	64-137	
Benzene	ug/L	20	19.7	98	75-125	
Bromobenzene	ug/L	20	18.4	92	75-125	
Bromochloromethane	ug/L	20	20.9	104	75-125	
Bromodichloromethane	ug/L	20	19.6	98	75-125	
Bromoform	ug/L	40	35.9	90	68-125	
Bromomethane	ug/L	20	27.5	137	47-129	L0
Carbon tetrachloride	ug/L	20	18.4	92	59-133	
Chlorobenzene	ug/L	20	19.1	96	75-125	
Chloroethane	ug/L	20	19.4	97	73-132	
Chloroform	ug/L	20	20.2	101	75-125	
Chloromethane	ug/L	20	23.1	115	72-125	
cis-1,2-Dichloroethene	ug/L	20	19.8	99	75-125	
cis-1,3-Dichloropropene	ug/L	20	19.1	95	75-125	
Dibromochloromethane	ug/L	20	18.8	94	75-125	
Dibromomethane	ug/L	20	19.3	96	75-125	
Dichlorodifluoromethane	ug/L	20	15.9	80	69-134	
Dichlorofluoromethane	ug/L	20	18.9	94	70-125	
Diethyl ether (Ethyl ether)	ug/L	20	19.8	99	71-125	
Ethylbenzene	ug/L	20	19.2	96	75-125	
Hexachloro-1,3-butadiene	ug/L	20	18.4	92	75-137	
Isopropylbenzene (Cumene)	ug/L	20	19.8	99	75-125	
m&p-Xylene	ug/L	40	38.7	97	75-125	
Methyl-tert-butyl ether	ug/L	20	19.6	98	75-125	
Methylene Chloride	ug/L	20	18.2	91	75-125	
n-Butylbenzene	ug/L	20	18.2	91	75-125	
n-Propylbenzene	ug/L	20	18.2	91	75-125	
Naphthalene	ug/L	20	18.3	92	72-125	
o-Xylene	ug/L	20	19.2	96	75-125	
p-Isopropyltoluene	ug/L	20	18.2	91	75-125	
sec-Butylbenzene	ug/L	20	18.5	93	75-125	
Styrene	ug/L	20	19.5	97	75-125	

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QUALITY CONTROL DATA

Project: 60154982 SUPERIOR WLP
Pace Project No.: 10127075

LABORATORY CONTROL SAMPLE: 780165

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
tert-Butylbenzene	ug/L	20	18.6	93	75-125	
Tetrachloroethene	ug/L	20	19.6	98	74-125	
Tetrahydrofuran	ug/L	200	184	92	65-125	
Toluene	ug/L	20	19.7	98	75-125	
trans-1,2-Dichloroethene	ug/L	20	20.0	100	74-125	
trans-1,3-Dichloropropene	ug/L	20	18.6	93	75-125	
Trichloroethene	ug/L	20	20.7	104	75-125	
Trichlorofluoromethane	ug/L	20	19.8	99	73-134	
Vinyl chloride	ug/L	20	20.6	103	75-126	
Xylene (Total)	ug/L	60	57.8	96	75-125	
1,2-Dichloroethane-d4 (S)	%			95	75-125	
4-Bromofluorobenzene (S)	%			95	75-125	
Dibromofluoromethane (S)	%			101	75-125	
Toluene-d8 (S)	%			98	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 780166 780167

Parameter	Units	10126713001 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	5000	5000	4670	4850	93	97	71-125	4	30	
1,1,1-Trichloroethane	ug/L	ND	5000	5000	5140	5270	103	105	75-125	2	30	
1,1,2,2-Tetrachloroethane	ug/L	ND	5000	5000	4700	4670	94	93	75-126	1	30	
1,1,2-Trichloroethane	ug/L	ND	5000	5000	4760	4800	95	96	75-125	1	30	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	5000	5000	5310	5620	106	112	70-150	6	30	
1,1-Dichloroethane	ug/L	ND	5000	5000	5170	5140	103	103	75-125	1	30	
1,1-Dichloroethene	ug/L	ND	5000	5000	5230	5460	105	109	64-142	4	30	
1,1-Dichloropropene	ug/L	ND	5000	5000	5080	5330	102	107	75-125	5	30	
1,2,3-Trichlorobenzene	ug/L	ND	5000	5000	4700	4630	94	93	75-125	1	30	
1,2,3-Trichloropropane	ug/L	ND	5000	5000	4710	4740	94	95	72-127	1	30	
1,2,4-Trichlorobenzene	ug/L	ND	5000	5000	4780	4630	96	93	75-125	3	30	
1,2,4-Trimethylbenzene	ug/L	4360	5000	5000	8950	9220	92	97	75-125	3	30	
1,2-Dibromo-3-chloropropane	ug/L	ND	5000	5000	4540	4140	91	83	65-125	9	30	
1,2-Dibromoethane (EDB)	ug/L	ND	5000	5000	4650	4740	93	95	75-125	2	30	
1,2-Dichlorobenzene	ug/L	ND	5000	5000	4730	4770	95	95	75-125	1	30	
1,2-Dichloroethane	ug/L	ND	5000	5000	4980	4930	100	99	75-125	1	30	
1,2-Dichloropropane	ug/L	ND	5000	5000	4880	4820	98	96	75-125	1	30	
1,3,5-Trimethylbenzene	ug/L	1190	5000	5000	5830	6010	93	96	75-127	3	30	
1,3-Dichlorobenzene	ug/L	ND	5000	5000	4760	4760	95	95	75-125	0	30	
1,3-Dichloropropane	ug/L	ND	5000	5000	4840	4830	97	97	75-125	0	30	
1,4-Dichlorobenzene	ug/L	ND	5000	5000	4600	4740	92	95	75-125	3	30	
2,2-Dichloropropane	ug/L	ND	5000	5000	5020	5350	100	107	48-150	6	30	
2-Butanone (MEK)	ug/L	ND	5000	5000	5050	4690	101	94	51-134	7	30	
2-Chlorotoluene	ug/L	ND	5000	5000	4720	4890	94	98	75-125	3	30	
4-Chlorotoluene	ug/L	ND	5000	5000	4780	4920	96	98	68-127	3	30	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5000	5000	4760	4670	95	93	60-135	2	30	
Acetone	ug/L	ND	12500	12500	12000	11000	84	77	30-125	9	30	
Allyl chloride	ug/L	ND	5000	5000	5230	5170	105	103	40-137	1	30	

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QUALITY CONTROL DATA

Project: 60154982 SUPERIOR WLP
Pace Project No.: 10127075

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 780166 780167

Parameter	Units	10126713001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	8890	5000	5000	13700	13900	96	101	75-125	2	30	
Bromobenzene	ug/L	ND	5000	5000	4630	4780	93	96	75-125	3	30	
Bromochloromethane	ug/L	ND	5000	5000	5230	5390	105	108	75-125	3	30	
Bromodichloromethane	ug/L	ND	5000	5000	4900	4940	98	99	72-125	1	30	
Bromoform	ug/L	ND	10000	10000	8990	8840	90	88	51-125	2	30	
Bromomethane	ug/L	ND	5000	5000	7530	7660	151	153	47-130	2	30	M0
Carbon tetrachloride	ug/L	ND	5000	5000	4610	4760	92	95	61-133	3	30	
Chlorobenzene	ug/L	ND	5000	5000	4750	4920	95	98	75-125	4	30	
Chloroethane	ug/L	ND	5000	5000	4980	5190	100	104	75-132	4	30	
Chloroform	ug/L	ND	5000	5000	4930	5130	99	103	75-125	4	30	
Chloromethane	ug/L	ND	5000	5000	5820	5820	116	116	68-132	0	30	
cis-1,2-Dichloroethene	ug/L	ND	5000	5000	5180	5260	104	105	75-125	2	30	
cis-1,3-Dichloropropene	ug/L	ND	5000	5000	5050	5070	101	101	63-125	0	30	
Dibromochloromethane	ug/L	ND	5000	5000	4710	4730	94	95	62-125	0	30	
Dibromomethane	ug/L	ND	5000	5000	4850	4740	97	95	75-125	2	30	
Dichlorodifluoromethane	ug/L	ND	5000	5000	4380	4470	88	89	65-150	2	30	
Dichlorofluoromethane	ug/L	ND	5000	5000	4740	4890	95	98	68-127	3	30	
Diethyl ether (Ethyl ether)	ug/L	ND	5000	5000	5260	4890	105	98	71-125	7	30	
Ethylbenzene	ug/L	3180	5000	5000	7920	8210	95	101	75-125	4	30	
Hexachloro-1,3-butadiene	ug/L	ND	5000	5000	4910	5020	98	100	75-147	2	30	
Isopropylbenzene (Cumene)	ug/L	ND	5000	5000	4980	5280	97	103	75-125	6	30	
m&p-Xylene	ug/L	20800	10000	10000	29100	30000	83	92	67-125	3	30	
Methyl-tert-butyl ether	ug/L	ND	5000	5000	4970	4860	99	97	75-125	2	30	
Methylene Chloride	ug/L	ND	5000	5000	4550	4600	91	92	75-125	1	30	
n-Butylbenzene	ug/L	ND	5000	5000	5020	5120	100	102	70-135	2	30	
n-Propylbenzene	ug/L	451	5000	5000	5030	5330	92	98	70-131	6	30	
Naphthalene	ug/L	ND	5000	5000	5580	5380	94	90	66-127	4	30	
o-Xylene	ug/L	8870	5000	5000	13300	13800	89	99	72-125	4	30	
p-Isopropyltoluene	ug/L	ND	5000	5000	4830	4980	97	100	71-126	3	30	
sec-Butylbenzene	ug/L	ND	5000	5000	4780	4960	96	99	75-127	4	30	
Styrene	ug/L	ND	5000	5000	4890	5050	98	101	30-134	3	30	
tert-Butylbenzene	ug/L	ND	5000	5000	4780	5000	96	100	75-125	4	30	
Tetrachloroethene	ug/L	ND	5000	5000	4970	5170	99	103	74-125	4	30	
Tetrahydrofuran	ug/L	ND	50000	50000	49100	46200	98	92	65-125	6	30	
Toluene	ug/L	33500	5000	5000	38400	40000	97	130	75-125	4	30	E,M0
trans-1,2-Dichloroethene	ug/L	ND	5000	5000	4990	5160	100	103	72-125	4	30	
trans-1,3-Dichloropropene	ug/L	ND	5000	5000	4910	5070	98	101	63-125	3	30	
Trichloroethene	ug/L	ND	5000	5000	5000	5120	100	102	58-127	2	30	
Trichlorofluoromethane	ug/L	ND	5000	5000	5040	5290	101	106	73-150	5	30	
Vinyl chloride	ug/L	ND	5000	5000	5160	5350	103	107	75-134	4	30	
Xylene (Total)	ug/L	29700	15000	15000	42400	43800	85	95	75-125	3	30	
1,2-Dichloroethane-d4 (S)	%						99	97	75-125			
4-Bromofluorobenzene (S)	%						101	99	75-125			
Dibromofluoromethane (S)	%						101	101	75-125			
Toluene-d8 (S)	%						95	98	75-125			

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QUALIFIERS

Project: 60154982 SUPERIOR WLP
Pace Project No.: 10127075

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

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

MDL - Adjusted Method Detection Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

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

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

ANALYTE QUALIFIERS

CH	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.
E	Analyte concentration exceeded the calibration range. The reported result is estimated.
L0	Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
L1	Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results may be biased high.
L2	Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results may be biased low.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
P6	Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.
S5	Surrogate recovery outside control limits due to matrix interferences (not confirmed by re-analysis).

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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.

10127075

Page: 1 of 1

1343651

Section A Required Client Information:

Company: AECOM
Address: 161 Cheshire Lane N. Suite 500
Minneapolis MN 55441
Email To: chris.boehm@aecom.com
Phone: 763-557-2439 Fax:
Requested Due Date/TAT: STD

Section B Required Project Information:

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

Section C Invoice Information:

Attention: A/P
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

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)

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: PAH	VOC	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MW-6	WT	G			4/22/10	1145		5	2			3					X	X		001
2	MW-7						1215														002
3	MW-8						0920														003
4	MW-9						1010														004
5	MW-10					4/21/10	1800														005
6	MW-11					4/22/10	0855														006
7	MW-15					4/21/10	1605														007
8	MW-16						1650														008
9	MW-20						1530														009
10	MW-22					4/22/10	1050														010
11	DUP-1						—														011
12	Trip Blank		—			4/21/10	—		2				2						X		012

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	[signature] AECOM	4/22/10	1515	[signature] Pace	4/23/10	1545	1.6	X	N	Y
							1.2			
							0.6			
							1.2			

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Dan Phelps

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 4/22/10

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.

[redacted]

Pace Analytical

Client Name: Accom Project # 10127075

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

Tracking #: _____

[redacted]

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

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

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

Cooler Temperature 1.6 1.2 0.4, 1.2 Biological Tissue is Frozen: Yes No Date and Initials of person examining contents: 4-22-10

Temp should be above freezing to 6°C Comments:

Chain of Custody Present:	☑Yes	☐No	☐N/A
Chain of Custody Filled Out:	☑Yes	☐No	☐N/A
Chain of Custody Relinquished:	☑Yes	☐No	☐N/A
Sampler Name & Signature on COC:	☑Yes	☐No	☐N/A
Samples Arrived within Hold Time:	☑Yes	☐No	☐N/A
Short Hold Time Analysis (<72hr):	☐Yes	☑No	☐N/A
Rush Turn Around Time Requested:	☐Yes	☑No	☐N/A
Sufficient Volume:	☑Yes	☐No	☐N/A
Correct Containers Used:	☑Yes	☐No	☐N/A
-Pace Containers Used:	☑Yes	☐No	☐N/A
Containers Intact:	☑Yes	☐No	☐N/A
Filtered volume received for Dissolved tests	☐Yes	☐No	☑N/A
Sample Labels match COC:	☑Yes	☐No	☐N/A
-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
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	
Samples checked for dechlorination:	☐Yes	☐No	☑N/A
Headspace in VOA Vials (>6mm):	☐Yes	☑No	☐N/A
Trip Blank Present:	☑Yes	☐No	☐N/A
Trip Blank Custody Seals Present	☐Yes	☐No	☐N/A
Pace Trip Blank Lot # (if purchased): 041410-2			

1.
2.
3.
4.
5.
6.
7.
8.
9.
10.
11.
12.
13. ☐ HNO3 ☐ H2SO4 ☐ NaOH ☐ HCl
Samp #

Initial when completed	Lot # of added preservative
✓	

14.
15. in 2 TBs
16. 2 vials for Dup-1 MW-10 MW-7 1 vial for MW-4 MW-5

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: DAV Date: 4-22-10

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

1700 Elm Street SE, Suite 200, Minneapolis, MN 55414

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November 02, 2010

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

RE: Project: 60154982 SWL&P SUPERIOR MGP
Pace Project No.: 10141316

Dear Bill Gregg:
Enclosed are the analytical results for sample(s) received by the laboratory on October 22, 2010. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

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

Sincerely,

Carol Davy

carol.davy@pacelabs.com
Project Manager

Enclosures

Pace Analytical Services, Inc.
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CERTIFICATIONS

Project: 60154982 SWL&P SUPERIOR MGP
Pace Project No.: 10141316

Minnesota Certification IDs

1700 Elm Street SE Suite 200, Minneapolis, MN 55414
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
Nebraska Certification #: Pace
Nevada Certification #: MN_00064
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: 60154982 SWL&P SUPERIOR MGP
Pace Project No.: 10141316

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10141316001	**MW-6**	Water	10/20/10 10:00	10/22/10 09:50
10141316002	**MW-7**	Water	10/20/10 10:35	10/22/10 09:50
10141316003	**MW-8**	Water	10/20/10 11:30	10/22/10 09:50
10141316004	**MW-9**	Water	10/20/10 12:10	10/22/10 09:50
10141316005	**MW-15**	Water	10/20/10 13:30	10/22/10 09:50
10141316006	**MW-20**	Water	10/20/10 14:00	10/22/10 09:50
10141316007	**MW-10**	Water	10/20/10 15:00	10/22/10 09:50
10141316008	**MW-10 DUP**	Water	10/20/10 15:00	10/22/10 09:50
10141316009	**MW-11**	Water	10/20/10 16:20	10/22/10 09:50
10141316010	**MW-18**	Water	10/21/10 10:00	10/22/10 09:50
10141316011	**TRIP BLANK**	Water	10/21/10 10:00	10/22/10 09:50

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SAMPLE ANALYTE COUNT

Project: 60154982 SWL&P SUPERIOR MGP
Pace Project No.: 10141316

Lab ID	Sample ID	Method	Analysts	Analytes Reported
10141316001	**MW-6**	EPA 8270 by SIM	JLR	18
		EPA 8260	DJT	73
10141316002	**MW-7**	EPA 8270 by SIM	JLR	18
		EPA 8260	ECB	73
10141316003	**MW-8**	EPA 8270 by SIM	JLR	18
		EPA 8260	ECB	73
10141316004	**MW-9**	EPA 8270 by SIM	JLR	18
		EPA 8260	ECB	73
10141316005	**MW-15**	EPA 8270 by SIM	JLR	18
		EPA 8260	DJT	73
10141316006	**MW-20**	EPA 8270 by SIM	JLR	18
		EPA 8260	DJT, ECB	73
10141316007	**MW-10**	EPA 8270 by SIM	JLR	18
		EPA 8260	ECB	73
10141316008	**MW-10 DUP**	EPA 8270 by SIM	JLR	18
		EPA 8260	ECB	73
10141316009	**MW-11**	EPA 8270 by SIM	JLR	18
		EPA 8260	ECB	73
10141316010	**MW-18**	EPA 8270 by SIM	JLR	18
		EPA 8260	DJT	73
10141316011	**TRIP BLANK**	EPA 8260	ECB	73

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ANALYTICAL RESULTS

Project: 60154982 SWL&P SUPERIOR MGP
Pace Project No.: 10141316

Sample: MW-6 **Lab ID: 10141316001** Collected: 10/20/10 10:00 Received: 10/22/10 09:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510							
Acenaphthene	**4.1**	ug/L	0.040	1	10/27/10 17:58	10/29/10 15:28	83-32-9	
Acenaphthylene	**0.15**	ug/L	0.040	1	10/27/10 17:58	10/29/10 15:28	208-96-8	
Anthracene	**0.34**	ug/L	0.040	1	10/27/10 17:58	10/29/10 15:28	120-12-7	
Benzo(a)anthracene	**0.061**	ug/L	0.040	1	10/27/10 17:58	10/29/10 15:28	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.040	1	10/27/10 17:58	10/29/10 15:28	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.040	1	10/27/10 17:58	10/29/10 15:28	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.040	1	10/27/10 17:58	10/29/10 15:28	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.040	1	10/27/10 17:58	10/29/10 15:28	207-08-9	
Chrysene	**0.055**	ug/L	0.040	1	10/27/10 17:58	10/29/10 15:28	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.040	1	10/27/10 17:58	10/29/10 15:28	53-70-3	
Fluoranthene	**0.66**	ug/L	0.040	1	10/27/10 17:58	10/29/10 15:28	206-44-0	
Fluorene	**0.52**	ug/L	0.040	1	10/27/10 17:58	10/29/10 15:28	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.040	1	10/27/10 17:58	10/29/10 15:28	193-39-5	
Naphthalene	**6.7**	ug/L	0.040	1	10/27/10 17:58	10/29/10 15:28	91-20-3	
Phenanthrene	**2.2**	ug/L	0.040	1	10/27/10 17:58	10/29/10 15:28	85-01-8	
Pyrene	**0.73**	ug/L	0.040	1	10/27/10 17:58	10/29/10 15:28	129-00-0	
2-Fluorobiphenyl (S)	71	%	43-125	1	10/27/10 17:58	10/29/10 15:28	321-60-8	
Terphenyl-d14 (S)	88	%	34-136	1	10/27/10 17:58	10/29/10 15:28	1718-51-0	
8260 VOC	Analytical Method: EPA 8260							
Acetone	**12.2**	ug/L	10.0	1		10/26/10 07:40	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		10/26/10 07:40	107-05-1	
Benzene	**1.7**	ug/L	1.0	1		10/26/10 07:40	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		10/26/10 07:40	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		10/26/10 07:40	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		10/26/10 07:40	75-27-4	
Bromoform	ND	ug/L	8.0	1		10/26/10 07:40	75-25-2	
Bromomethane	ND	ug/L	4.0	1		10/26/10 07:40	74-83-9	
2-Butanone (MEK)	ND	ug/L	4.0	1		10/26/10 07:40	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		10/26/10 07:40	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		10/26/10 07:40	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		10/26/10 07:40	98-06-6	
Carbon tetrachloride	ND	ug/L	4.0	1		10/26/10 07:40	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		10/26/10 07:40	108-90-7	
Chloroethane	ND	ug/L	1.0	1		10/26/10 07:40	75-00-3	
Chloroform	ND	ug/L	1.0	1		10/26/10 07:40	67-66-3	
Chloromethane	ND	ug/L	4.0	1		10/26/10 07:40	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		10/26/10 07:40	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		10/26/10 07:40	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		10/26/10 07:40	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		10/26/10 07:40	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		10/26/10 07:40	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		10/26/10 07:40	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		10/26/10 07:40	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		10/26/10 07:40	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		10/26/10 07:40	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		10/26/10 07:40	75-71-8	

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ANALYTICAL RESULTS

Project: 60154982 SWL&P SUPERIOR MGP
Pace Project No.: 10141316

Sample: MW-6 **Lab ID: 10141316001** Collected: 10/20/10 10:00 Received: 10/22/10 09:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
1,1-Dichloroethane	ND	ug/L	1.0	1		10/26/10 07:40	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		10/26/10 07:40	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		10/26/10 07:40	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		10/26/10 07:40	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		10/26/10 07:40	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		10/26/10 07:40	75-43-4	
1,2-Dichloropropane	ND	ug/L	1.0	1		10/26/10 07:40	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		10/26/10 07:40	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		10/26/10 07:40	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		10/26/10 07:40	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		10/26/10 07:40	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		10/26/10 07:40	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		10/26/10 07:40	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		10/26/10 07:40	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	4.0	1		10/26/10 07:40	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		10/26/10 07:40	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		10/26/10 07:40	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		10/26/10 07:40	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	4.0	1		10/26/10 07:40	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		10/26/10 07:40	1634-04-4	
Naphthalene	**8.1**	ug/L	4.0	1		10/26/10 07:40	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		10/26/10 07:40	103-65-1	
Styrene	ND	ug/L	1.0	1		10/26/10 07:40	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		10/26/10 07:40	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		10/26/10 07:40	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		10/26/10 07:40	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		10/26/10 07:40	109-99-9	
Toluene	ND	ug/L	1.0	1		10/26/10 07:40	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		10/26/10 07:40	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		10/26/10 07:40	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		10/26/10 07:40	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		10/26/10 07:40	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		10/26/10 07:40	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		10/26/10 07:40	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		10/26/10 07:40	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		10/26/10 07:40	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		10/26/10 07:40	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		10/26/10 07:40	108-67-8	
Vinyl chloride	ND	ug/L	0.40	1		10/26/10 07:40	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		10/26/10 07:40	1330-20-7	
m&p-Xylene	**2.4**	ug/L	2.0	1		10/26/10 07:40	1330-20-7	
o-Xylene	ND	ug/L	1.0	1		10/26/10 07:40	95-47-6	
Dibromofluoromethane (S)	103	%	75-130	1		10/26/10 07:40	1868-53-7	
1,2-Dichloroethane-d4 (S)	98	%	75-131	1		10/26/10 07:40	17060-07-0	
Toluene-d8 (S)	93	%	75-125	1		10/26/10 07:40	2037-26-5	
4-Bromofluorobenzene (S)	89	%	75-125	1		10/26/10 07:40	460-00-4	

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ANALYTICAL RESULTS

Project: 60154982 SWL&P SUPERIOR MGP
Pace Project No.: 10141316

Sample: MW-7 **Lab ID: 10141316002** Collected: 10/20/10 10:35 Received: 10/22/10 09:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510							
Acenaphthene	**5.0**	ug/L	0.040	1	10/27/10 17:58	10/29/10 15:46	83-32-9	
Acenaphthylene	**1.8**	ug/L	0.040	1	10/27/10 17:58	10/29/10 15:46	208-96-8	
Anthracene	**0.69**	ug/L	0.040	1	10/27/10 17:58	10/29/10 15:46	120-12-7	
Benzo(a)anthracene	**0.12**	ug/L	0.040	1	10/27/10 17:58	10/29/10 15:46	56-55-3	
Benzo(a)pyrene	**0.14**	ug/L	0.040	1	10/27/10 17:58	10/29/10 15:46	50-32-8	
Benzo(b)fluoranthene	**0.13**	ug/L	0.040	1	10/27/10 17:58	10/29/10 15:46	205-99-2	
Benzo(g,h,i)perylene	**0.12**	ug/L	0.040	1	10/27/10 17:58	10/29/10 15:46	191-24-2	
Benzo(k)fluoranthene	**0.046**	ug/L	0.040	1	10/27/10 17:58	10/29/10 15:46	207-08-9	
Chrysene	**0.14**	ug/L	0.040	1	10/27/10 17:58	10/29/10 15:46	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.040	1	10/27/10 17:58	10/29/10 15:46	53-70-3	
Fluoranthene	**0.87**	ug/L	0.040	1	10/27/10 17:58	10/29/10 15:46	206-44-0	
Fluorene	**2.4**	ug/L	0.040	1	10/27/10 17:58	10/29/10 15:46	86-73-7	
Indeno(1,2,3-cd)pyrene	**0.081**	ug/L	0.040	1	10/27/10 17:58	10/29/10 15:46	193-39-5	
Naphthalene	**409**	ug/L	2.0	50	10/27/10 17:58	10/29/10 16:21	91-20-3	
Phenanthrene	**3.0**	ug/L	0.040	1	10/27/10 17:58	10/29/10 15:46	85-01-8	
Pyrene	**1.2**	ug/L	0.040	1	10/27/10 17:58	10/29/10 15:46	129-00-0	
2-Fluorobiphenyl (S)	82	%	43-125	1	10/27/10 17:58	10/29/10 15:46	321-60-8	
Terphenyl-d14 (S)	87	%	34-136	1	10/27/10 17:58	10/29/10 15:46	1718-51-0	
8260 VOC	Analytical Method: EPA 8260							
Acetone	ND	ug/L	10000	1000		10/27/10 05:42	67-64-1	L3
Allyl chloride	ND	ug/L	4000	1000		10/27/10 05:42	107-05-1	
Benzene	**117000**	ug/L	1000	1000		10/27/10 05:42	71-43-2	
Bromobenzene	ND	ug/L	1000	1000		10/27/10 05:42	108-86-1	
Bromochloromethane	ND	ug/L	1000	1000		10/27/10 05:42	74-97-5	
Bromodichloromethane	ND	ug/L	1000	1000		10/27/10 05:42	75-27-4	
Bromoform	ND	ug/L	8000	1000		10/27/10 05:42	75-25-2	
Bromomethane	ND	ug/L	4000	1000		10/27/10 05:42	74-83-9	
2-Butanone (MEK)	ND	ug/L	4000	1000		10/27/10 05:42	78-93-3	
n-Butylbenzene	ND	ug/L	1000	1000		10/27/10 05:42	104-51-8	
sec-Butylbenzene	ND	ug/L	1000	1000		10/27/10 05:42	135-98-8	
tert-Butylbenzene	ND	ug/L	1000	1000		10/27/10 05:42	98-06-6	
Carbon tetrachloride	ND	ug/L	4000	1000		10/27/10 05:42	56-23-5	
Chlorobenzene	ND	ug/L	1000	1000		10/27/10 05:42	108-90-7	
Chloroethane	ND	ug/L	1000	1000		10/27/10 05:42	75-00-3	
Chloroform	ND	ug/L	1000	1000		10/27/10 05:42	67-66-3	
Chloromethane	ND	ug/L	4000	1000		10/27/10 05:42	74-87-3	
2-Chlorotoluene	ND	ug/L	1000	1000		10/27/10 05:42	95-49-8	
4-Chlorotoluene	ND	ug/L	1000	1000		10/27/10 05:42	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4000	1000		10/27/10 05:42	96-12-8	
Dibromochloromethane	ND	ug/L	1000	1000		10/27/10 05:42	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1000	1000		10/27/10 05:42	106-93-4	
Dibromomethane	ND	ug/L	4000	1000		10/27/10 05:42	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1000	1000		10/27/10 05:42	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1000	1000		10/27/10 05:42	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1000	1000		10/27/10 05:42	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1000	1000		10/27/10 05:42	75-71-8	

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ANALYTICAL RESULTS

Project: 60154982 SWL&P SUPERIOR MGP
Pace Project No.: 10141316

Sample: MW-7 **Lab ID: 10141316002** Collected: 10/20/10 10:35 Received: 10/22/10 09:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
1,1-Dichloroethane	ND	ug/L	1000	1000		10/27/10 05:42	75-34-3	
1,2-Dichloroethane	ND	ug/L	1000	1000		10/27/10 05:42	107-06-2	
1,1-Dichloroethene	ND	ug/L	1000	1000		10/27/10 05:42	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1000	1000		10/27/10 05:42	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1000	1000		10/27/10 05:42	156-60-5	
Dichlorofluoromethane	ND	ug/L	1000	1000		10/27/10 05:42	75-43-4	
1,2-Dichloropropane	ND	ug/L	1000	1000		10/27/10 05:42	78-87-5	
1,3-Dichloropropane	ND	ug/L	1000	1000		10/27/10 05:42	142-28-9	
2,2-Dichloropropane	ND	ug/L	4000	1000		10/27/10 05:42	594-20-7	
1,1-Dichloropropene	ND	ug/L	1000	1000		10/27/10 05:42	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4000	1000		10/27/10 05:42	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4000	1000		10/27/10 05:42	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4000	1000		10/27/10 05:42	60-29-7	
Ethylbenzene	**4400**	ug/L	1000	1000		10/27/10 05:42	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	4000	1000		10/27/10 05:42	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1000	1000		10/27/10 05:42	98-82-8	
p-Isopropyltoluene	ND	ug/L	1000	1000		10/27/10 05:42	99-87-6	
Methylene Chloride	ND	ug/L	4000	1000		10/27/10 05:42	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	4000	1000		10/27/10 05:42	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1000	1000		10/27/10 05:42	1634-04-4	
Naphthalene	ND	ug/L	4000	1000		10/27/10 05:42	91-20-3	
n-Propylbenzene	ND	ug/L	1000	1000		10/27/10 05:42	103-65-1	
Styrene	ND	ug/L	1000	1000		10/27/10 05:42	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1000	1000		10/27/10 05:42	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1000	1000		10/27/10 05:42	79-34-5	
Tetrachloroethene	ND	ug/L	1000	1000		10/27/10 05:42	127-18-4	
Tetrahydrofuran	ND	ug/L	10000	1000		10/27/10 05:42	109-99-9	
Toluene	**49400**	ug/L	1000	1000		10/27/10 05:42	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1000	1000		10/27/10 05:42	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1000	1000		10/27/10 05:42	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1000	1000		10/27/10 05:42	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1000	1000		10/27/10 05:42	79-00-5	
Trichloroethene	ND	ug/L	1000	1000		10/27/10 05:42	79-01-6	
Trichlorofluoromethane	ND	ug/L	1000	1000		10/27/10 05:42	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1000	1000		10/27/10 05:42	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1000	1000		10/27/10 05:42	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1000	1000		10/27/10 05:42	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1000	1000		10/27/10 05:42	108-67-8	
Vinyl chloride	ND	ug/L	400	1000		10/27/10 05:42	75-01-4	
Xylene (Total)	**14900**	ug/L	3000	1000		10/27/10 05:42	1330-20-7	
m&p-Xylene	**11800**	ug/L	2000	1000		10/27/10 05:42	1330-20-7	
o-Xylene	**3060**	ug/L	1000	1000		10/27/10 05:42	95-47-6	
Dibromofluoromethane (S)	103	%	75-130	1000		10/27/10 05:42	1868-53-7	
1,2-Dichloroethane-d4 (S)	108	%	75-131	1000		10/27/10 05:42	17060-07-0	
Toluene-d8 (S)	94	%	75-125	1000		10/27/10 05:42	2037-26-5	
4-Bromofluorobenzene (S)	100	%	75-125	1000		10/27/10 05:42	460-00-4	

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ANALYTICAL RESULTS

Project: 60154982 SWL&P SUPERIOR MGP
Pace Project No.: 10141316

Sample: MW-8 **Lab ID: 10141316003** Collected: 10/20/10 11:30 Received: 10/22/10 09:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510							
Acenaphthene	**70.2**	ug/L	0.40	10	10/27/10 17:58	10/29/10 16:57	83-32-9	
Acenaphthylene	**9.5**	ug/L	0.040	1	10/27/10 17:58	10/29/10 16:39	208-96-8	
Anthracene	**6.7**	ug/L	0.040	1	10/27/10 17:58	10/29/10 16:39	120-12-7	
Benzo(a)anthracene	**0.38**	ug/L	0.040	1	10/27/10 17:58	10/29/10 16:39	56-55-3	
Benzo(a)pyrene	**0.13**	ug/L	0.040	1	10/27/10 17:58	10/29/10 16:39	50-32-8	
Benzo(b)fluoranthene	**0.12**	ug/L	0.040	1	10/27/10 17:58	10/29/10 16:39	205-99-2	
Benzo(g,h,i)perylene	**0.059**	ug/L	0.040	1	10/27/10 17:58	10/29/10 16:39	191-24-2	
Benzo(k)fluoranthene	**0.041**	ug/L	0.040	1	10/27/10 17:58	10/29/10 16:39	207-08-9	
Chrysene	**0.33**	ug/L	0.040	1	10/27/10 17:58	10/29/10 16:39	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.040	1	10/27/10 17:58	10/29/10 16:39	53-70-3	
Fluoranthene	**4.4**	ug/L	0.040	1	10/27/10 17:58	10/29/10 16:39	206-44-0	
Fluorene	**20.4**	ug/L	0.40	10	10/27/10 17:58	10/29/10 16:57	86-73-7	
Indeno(1,2,3-cd)pyrene	**0.040**	ug/L	0.040	1	10/27/10 17:58	10/29/10 16:39	193-39-5	
Naphthalene	**676**	ug/L	4.0	100	10/27/10 17:58	11/01/10 13:17	91-20-3	
Phenanthrene	**30.0**	ug/L	0.40	10	10/27/10 17:58	10/29/10 16:57	85-01-8	
Pyrene	**5.0**	ug/L	0.040	1	10/27/10 17:58	10/29/10 16:39	129-00-0	
2-Fluorobiphenyl (S)	74	%	43-125	1	10/27/10 17:58	10/29/10 16:39	321-60-8	
Terphenyl-d14 (S)	85	%	34-136	1	10/27/10 17:58	10/29/10 16:39	1718-51-0	
8260 VOC	Analytical Method: EPA 8260							
Acetone	ND	ug/L	10000	1000		10/27/10 05:20	67-64-1	L3
Allyl chloride	ND	ug/L	4000	1000		10/27/10 05:20	107-05-1	
Benzene	**103000**	ug/L	1000	1000		10/27/10 05:20	71-43-2	
Bromobenzene	ND	ug/L	1000	1000		10/27/10 05:20	108-86-1	
Bromochloromethane	ND	ug/L	1000	1000		10/27/10 05:20	74-97-5	
Bromodichloromethane	ND	ug/L	1000	1000		10/27/10 05:20	75-27-4	
Bromoform	ND	ug/L	8000	1000		10/27/10 05:20	75-25-2	
Bromomethane	ND	ug/L	4000	1000		10/27/10 05:20	74-83-9	
2-Butanone (MEK)	ND	ug/L	4000	1000		10/27/10 05:20	78-93-3	
n-Butylbenzene	ND	ug/L	1000	1000		10/27/10 05:20	104-51-8	
sec-Butylbenzene	ND	ug/L	1000	1000		10/27/10 05:20	135-98-8	
tert-Butylbenzene	ND	ug/L	1000	1000		10/27/10 05:20	98-06-6	
Carbon tetrachloride	ND	ug/L	4000	1000		10/27/10 05:20	56-23-5	
Chlorobenzene	ND	ug/L	1000	1000		10/27/10 05:20	108-90-7	
Chloroethane	ND	ug/L	1000	1000		10/27/10 05:20	75-00-3	
Chloroform	ND	ug/L	1000	1000		10/27/10 05:20	67-66-3	
Chloromethane	ND	ug/L	4000	1000		10/27/10 05:20	74-87-3	
2-Chlorotoluene	ND	ug/L	1000	1000		10/27/10 05:20	95-49-8	
4-Chlorotoluene	ND	ug/L	1000	1000		10/27/10 05:20	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4000	1000		10/27/10 05:20	96-12-8	
Dibromochloromethane	ND	ug/L	1000	1000		10/27/10 05:20	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1000	1000		10/27/10 05:20	106-93-4	
Dibromomethane	ND	ug/L	4000	1000		10/27/10 05:20	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1000	1000		10/27/10 05:20	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1000	1000		10/27/10 05:20	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1000	1000		10/27/10 05:20	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1000	1000		10/27/10 05:20	75-71-8	

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ANALYTICAL RESULTS

Project: 60154982 SWL&P SUPERIOR MGP
Pace Project No.: 10141316

Sample: MW-8 **Lab ID: 10141316003** Collected: 10/20/10 11:30 Received: 10/22/10 09:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
1,1-Dichloroethane	ND	ug/L	1000	1000		10/27/10 05:20	75-34-3	
1,2-Dichloroethane	ND	ug/L	1000	1000		10/27/10 05:20	107-06-2	
1,1-Dichloroethene	ND	ug/L	1000	1000		10/27/10 05:20	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1000	1000		10/27/10 05:20	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1000	1000		10/27/10 05:20	156-60-5	
Dichlorofluoromethane	ND	ug/L	1000	1000		10/27/10 05:20	75-43-4	
1,2-Dichloropropane	ND	ug/L	1000	1000		10/27/10 05:20	78-87-5	
1,3-Dichloropropane	ND	ug/L	1000	1000		10/27/10 05:20	142-28-9	
2,2-Dichloropropane	ND	ug/L	4000	1000		10/27/10 05:20	594-20-7	
1,1-Dichloropropene	ND	ug/L	1000	1000		10/27/10 05:20	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4000	1000		10/27/10 05:20	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4000	1000		10/27/10 05:20	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4000	1000		10/27/10 05:20	60-29-7	
Ethylbenzene	**1070**	ug/L	1000	1000		10/27/10 05:20	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	4000	1000		10/27/10 05:20	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1000	1000		10/27/10 05:20	98-82-8	
p-Isopropyltoluene	ND	ug/L	1000	1000		10/27/10 05:20	99-87-6	
Methylene Chloride	ND	ug/L	4000	1000		10/27/10 05:20	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	4000	1000		10/27/10 05:20	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1000	1000		10/27/10 05:20	1634-04-4	
Naphthalene	ND	ug/L	4000	1000		10/27/10 05:20	91-20-3	
n-Propylbenzene	ND	ug/L	1000	1000		10/27/10 05:20	103-65-1	
Styrene	**2590**	ug/L	1000	1000		10/27/10 05:20	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1000	1000		10/27/10 05:20	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1000	1000		10/27/10 05:20	79-34-5	
Tetrachloroethene	ND	ug/L	1000	1000		10/27/10 05:20	127-18-4	
Tetrahydrofuran	ND	ug/L	10000	1000		10/27/10 05:20	109-99-9	
Toluene	**75100**	ug/L	1000	1000		10/27/10 05:20	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1000	1000		10/27/10 05:20	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1000	1000		10/27/10 05:20	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1000	1000		10/27/10 05:20	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1000	1000		10/27/10 05:20	79-00-5	
Trichloroethene	ND	ug/L	1000	1000		10/27/10 05:20	79-01-6	
Trichlorofluoromethane	ND	ug/L	1000	1000		10/27/10 05:20	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1000	1000		10/27/10 05:20	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1000	1000		10/27/10 05:20	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1000	1000		10/27/10 05:20	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1000	1000		10/27/10 05:20	108-67-8	
Vinyl chloride	ND	ug/L	400	1000		10/27/10 05:20	75-01-4	
Xylene (Total)	**20700**	ug/L	3000	1000		10/27/10 05:20	1330-20-7	
m&p-Xylene	**16600**	ug/L	2000	1000		10/27/10 05:20	1330-20-7	
o-Xylene	**4110**	ug/L	1000	1000		10/27/10 05:20	95-47-6	
Dibromofluoromethane (S)	104	%	75-130	1000		10/27/10 05:20	1868-53-7	
1,2-Dichloroethane-d4 (S)	105	%	75-131	1000		10/27/10 05:20	17060-07-0	
Toluene-d8 (S)	97	%	75-125	1000		10/27/10 05:20	2037-26-5	
4-Bromofluorobenzene (S)	97	%	75-125	1000		10/27/10 05:20	460-00-4	

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ANALYTICAL RESULTS

Project: 60154982 SWL&P SUPERIOR MGP
Pace Project No.: 10141316

Sample: MW-9 **Lab ID: 10141316004** Collected: 10/20/10 12:10 Received: 10/22/10 09:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510							
Acenaphthene	**30.8**	ug/L	0.20	5	10/27/10 17:58	10/29/10 17:50	83-32-9	
Acenaphthylene	**0.46**	ug/L	0.040	1	10/27/10 17:58	10/29/10 17:32	208-96-8	
Anthracene	**4.3**	ug/L	0.040	1	10/27/10 17:58	10/29/10 17:32	120-12-7	
Benzo(a)anthracene	**0.54**	ug/L	0.040	1	10/27/10 17:58	10/29/10 17:32	56-55-3	
Benzo(a)pyrene	**0.29**	ug/L	0.040	1	10/27/10 17:58	10/29/10 17:32	50-32-8	
Benzo(b)fluoranthene	**0.25**	ug/L	0.040	1	10/27/10 17:58	10/29/10 17:32	205-99-2	
Benzo(g,h,i)perylene	**0.13**	ug/L	0.040	1	10/27/10 17:58	10/29/10 17:32	191-24-2	
Benzo(k)fluoranthene	**0.085**	ug/L	0.040	1	10/27/10 17:58	10/29/10 17:32	207-08-9	
Chrysene	**0.46**	ug/L	0.040	1	10/27/10 17:58	10/29/10 17:32	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.040	1	10/27/10 17:58	10/29/10 17:32	53-70-3	
Fluoranthene	**3.2**	ug/L	0.040	1	10/27/10 17:58	10/29/10 17:32	206-44-0	
Fluorene	**8.9**	ug/L	0.040	1	10/27/10 17:58	10/29/10 17:32	86-73-7	
Indeno(1,2,3-cd)pyrene	**0.094**	ug/L	0.040	1	10/27/10 17:58	10/29/10 17:32	193-39-5	
Naphthalene	**35.9**	ug/L	0.20	5	10/27/10 17:58	10/29/10 17:50	91-20-3	
Phenanthrene	**30.1**	ug/L	0.20	5	10/27/10 17:58	10/29/10 17:50	85-01-8	
Pyrene	**4.1**	ug/L	0.040	1	10/27/10 17:58	10/29/10 17:32	129-00-0	
2-Fluorobiphenyl (S)	35	%	43-125	1	10/27/10 17:58	10/29/10 17:32	321-60-8	1M,C0, S0
Terphenyl-d14 (S)	20	%	34-136	1	10/27/10 17:58	10/29/10 17:32	1718-51-0	C0,S0
8260 VOC	Analytical Method: EPA 8260							
Acetone	ND	ug/L	1000	100		10/27/10 04:57	67-64-1	L3
Allyl chloride	ND	ug/L	400	100		10/27/10 04:57	107-05-1	
Benzene	**16900**	ug/L	100	100		10/27/10 04:57	71-43-2	
Bromobenzene	ND	ug/L	100	100		10/27/10 04:57	108-86-1	
Bromochloromethane	ND	ug/L	100	100		10/27/10 04:57	74-97-5	
Bromodichloromethane	ND	ug/L	100	100		10/27/10 04:57	75-27-4	
Bromoform	ND	ug/L	800	100		10/27/10 04:57	75-25-2	
Bromomethane	ND	ug/L	400	100		10/27/10 04:57	74-83-9	
2-Butanone (MEK)	ND	ug/L	400	100		10/27/10 04:57	78-93-3	
n-Butylbenzene	ND	ug/L	100	100		10/27/10 04:57	104-51-8	
sec-Butylbenzene	ND	ug/L	100	100		10/27/10 04:57	135-98-8	
tert-Butylbenzene	ND	ug/L	100	100		10/27/10 04:57	98-06-6	
Carbon tetrachloride	ND	ug/L	400	100		10/27/10 04:57	56-23-5	
Chlorobenzene	ND	ug/L	100	100		10/27/10 04:57	108-90-7	
Chloroethane	ND	ug/L	100	100		10/27/10 04:57	75-00-3	
Chloroform	ND	ug/L	100	100		10/27/10 04:57	67-66-3	
Chloromethane	ND	ug/L	400	100		10/27/10 04:57	74-87-3	
2-Chlorotoluene	ND	ug/L	100	100		10/27/10 04:57	95-49-8	
4-Chlorotoluene	ND	ug/L	100	100		10/27/10 04:57	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	400	100		10/27/10 04:57	96-12-8	
Dibromochloromethane	ND	ug/L	100	100		10/27/10 04:57	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	100	100		10/27/10 04:57	106-93-4	
Dibromomethane	ND	ug/L	400	100		10/27/10 04:57	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	100	100		10/27/10 04:57	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	100	100		10/27/10 04:57	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	100	100		10/27/10 04:57	106-46-7	

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ANALYTICAL RESULTS

Project: 60154982 SWL&P SUPERIOR MGP
Pace Project No.: 10141316

Sample: MW-9 **Lab ID: 10141316004** Collected: 10/20/10 12:10 Received: 10/22/10 09:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
Dichlorodifluoromethane	ND	ug/L	100	100		10/27/10 04:57	75-71-8	
1,1-Dichloroethane	ND	ug/L	100	100		10/27/10 04:57	75-34-3	
1,2-Dichloroethane	ND	ug/L	100	100		10/27/10 04:57	107-06-2	
1,1-Dichloroethene	ND	ug/L	100	100		10/27/10 04:57	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	100	100		10/27/10 04:57	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	100	100		10/27/10 04:57	156-60-5	
Dichlorofluoromethane	ND	ug/L	100	100		10/27/10 04:57	75-43-4	
1,2-Dichloropropane	ND	ug/L	100	100		10/27/10 04:57	78-87-5	
1,3-Dichloropropane	ND	ug/L	100	100		10/27/10 04:57	142-28-9	
2,2-Dichloropropane	ND	ug/L	400	100		10/27/10 04:57	594-20-7	
1,1-Dichloropropene	ND	ug/L	100	100		10/27/10 04:57	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	400	100		10/27/10 04:57	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	400	100		10/27/10 04:57	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	400	100		10/27/10 04:57	60-29-7	
Ethylbenzene	**235**	ug/L	100	100		10/27/10 04:57	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	400	100		10/27/10 04:57	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	100	100		10/27/10 04:57	98-82-8	
p-Isopropyltoluene	ND	ug/L	100	100		10/27/10 04:57	99-87-6	
Methylene Chloride	ND	ug/L	400	100		10/27/10 04:57	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	400	100		10/27/10 04:57	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	100	100		10/27/10 04:57	1634-04-4	
Naphthalene	ND	ug/L	400	100		10/27/10 04:57	91-20-3	
n-Propylbenzene	ND	ug/L	100	100		10/27/10 04:57	103-65-1	
Styrene	ND	ug/L	100	100		10/27/10 04:57	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	100	100		10/27/10 04:57	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	100	100		10/27/10 04:57	79-34-5	
Tetrachloroethene	ND	ug/L	100	100		10/27/10 04:57	127-18-4	
Tetrahydrofuran	ND	ug/L	1000	100		10/27/10 04:57	109-99-9	
Toluene	**571**	ug/L	100	100		10/27/10 04:57	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	100	100		10/27/10 04:57	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	100	100		10/27/10 04:57	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	100	100		10/27/10 04:57	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	100	100		10/27/10 04:57	79-00-5	
Trichloroethene	ND	ug/L	100	100		10/27/10 04:57	79-01-6	
Trichlorofluoromethane	ND	ug/L	100	100		10/27/10 04:57	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	100	100		10/27/10 04:57	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	100	100		10/27/10 04:57	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	100	100		10/27/10 04:57	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	100	100		10/27/10 04:57	108-67-8	
Vinyl chloride	ND	ug/L	40.0	100		10/27/10 04:57	75-01-4	
Xylene (Total)	**552**	ug/L	300	100		10/27/10 04:57	1330-20-7	
m&p-Xylene	**440**	ug/L	200	100		10/27/10 04:57	1330-20-7	
o-Xylene	**111**	ug/L	100	100		10/27/10 04:57	95-47-6	
Dibromofluoromethane (S)	101	%	75-130	100		10/27/10 04:57	1868-53-7	HS
1,2-Dichloroethane-d4 (S)	105	%	75-131	100		10/27/10 04:57	17060-07-0	
Toluene-d8 (S)	95	%	75-125	100		10/27/10 04:57	2037-26-5	
4-Bromofluorobenzene (S)	96	%	75-125	100		10/27/10 04:57	460-00-4	

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ANALYTICAL RESULTS

Project: 60154982 SWL&P SUPERIOR MGP
Pace Project No.: 10141316

Sample: MW-15 **Lab ID: 10141316005** Collected: 10/20/10 13:30 Received: 10/22/10 09:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510							
Acenaphthene	**97.0**	ug/L	2.0	50	10/27/10 17:58	11/01/10 13:34	83-32-9	
Acenaphthylene	**1.5**	ug/L	0.040	1	10/27/10 17:58	10/29/10 18:07	208-96-8	
Anthracene	**1.1**	ug/L	0.040	1	10/27/10 17:58	10/29/10 18:07	120-12-7	
Benzo(a)anthracene	**0.15**	ug/L	0.040	1	10/27/10 17:58	10/29/10 18:07	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.040	1	10/27/10 17:58	10/29/10 18:07	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.040	1	10/27/10 17:58	10/29/10 18:07	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.040	1	10/27/10 17:58	10/29/10 18:07	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.040	1	10/27/10 17:58	10/29/10 18:07	207-08-9	
Chrysene	**0.13**	ug/L	0.040	1	10/27/10 17:58	10/29/10 18:07	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.040	1	10/27/10 17:58	10/29/10 18:07	53-70-3	
Fluoranthene	**1.3**	ug/L	0.040	1	10/27/10 17:58	10/29/10 18:07	206-44-0	
Fluorene	**15.8**	ug/L	0.20	5	10/27/10 17:58	10/29/10 18:25	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.040	1	10/27/10 17:58	10/29/10 18:07	193-39-5	
Naphthalene	**5.7**	ug/L	0.040	1	10/27/10 17:58	10/29/10 18:07	91-20-3	
Phenanthrene	**5.6**	ug/L	0.040	1	10/27/10 17:58	10/29/10 18:07	85-01-8	
Pyrene	**1.4**	ug/L	0.040	1	10/27/10 17:58	10/29/10 18:07	129-00-0	
2-Fluorobiphenyl (S)	84	%	43-125	1	10/27/10 17:58	10/29/10 18:07	321-60-8	
Terphenyl-d14 (S)	94	%	34-136	1	10/27/10 17:58	10/29/10 18:07	1718-51-0	
8260 VOC	Analytical Method: EPA 8260							
Acetone	ND	ug/L	10.0	1		10/26/10 07:15	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		10/26/10 07:15	107-05-1	
Benzene	**44.3**	ug/L	1.0	1		10/26/10 07:15	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		10/26/10 07:15	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		10/26/10 07:15	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		10/26/10 07:15	75-27-4	
Bromoform	ND	ug/L	8.0	1		10/26/10 07:15	75-25-2	
Bromomethane	ND	ug/L	4.0	1		10/26/10 07:15	74-83-9	
2-Butanone (MEK)	ND	ug/L	4.0	1		10/26/10 07:15	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		10/26/10 07:15	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		10/26/10 07:15	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		10/26/10 07:15	98-06-6	
Carbon tetrachloride	ND	ug/L	4.0	1		10/26/10 07:15	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		10/26/10 07:15	108-90-7	
Chloroethane	ND	ug/L	1.0	1		10/26/10 07:15	75-00-3	
Chloroform	ND	ug/L	1.0	1		10/26/10 07:15	67-66-3	
Chloromethane	ND	ug/L	4.0	1		10/26/10 07:15	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		10/26/10 07:15	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		10/26/10 07:15	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		10/26/10 07:15	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		10/26/10 07:15	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		10/26/10 07:15	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		10/26/10 07:15	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		10/26/10 07:15	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		10/26/10 07:15	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		10/26/10 07:15	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		10/26/10 07:15	75-71-8	

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ANALYTICAL RESULTS

Project: 60154982 SWL&P SUPERIOR MGP
Pace Project No.: 10141316

Sample: MW-15 **Lab ID: 10141316005** Collected: 10/20/10 13:30 Received: 10/22/10 09:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
1,1-Dichloroethane	ND	ug/L	1.0	1		10/26/10 07:15	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		10/26/10 07:15	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		10/26/10 07:15	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		10/26/10 07:15	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		10/26/10 07:15	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		10/26/10 07:15	75-43-4	
1,2-Dichloropropane	ND	ug/L	1.0	1		10/26/10 07:15	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		10/26/10 07:15	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		10/26/10 07:15	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		10/26/10 07:15	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		10/26/10 07:15	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		10/26/10 07:15	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		10/26/10 07:15	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		10/26/10 07:15	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	4.0	1		10/26/10 07:15	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		10/26/10 07:15	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		10/26/10 07:15	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		10/26/10 07:15	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	4.0	1		10/26/10 07:15	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		10/26/10 07:15	1634-04-4	
Naphthalene	**7.2**	ug/L	4.0	1		10/26/10 07:15	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		10/26/10 07:15	103-65-1	
Styrene	ND	ug/L	1.0	1		10/26/10 07:15	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		10/26/10 07:15	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		10/26/10 07:15	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		10/26/10 07:15	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		10/26/10 07:15	109-99-9	
Toluene	ND	ug/L	1.0	1		10/26/10 07:15	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		10/26/10 07:15	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		10/26/10 07:15	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		10/26/10 07:15	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		10/26/10 07:15	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		10/26/10 07:15	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		10/26/10 07:15	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		10/26/10 07:15	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		10/26/10 07:15	76-13-1	
1,2,4-Trimethylbenzene	**1.7**	ug/L	1.0	1		10/26/10 07:15	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		10/26/10 07:15	108-67-8	
Vinyl chloride	ND	ug/L	0.40	1		10/26/10 07:15	75-01-4	
Xylene (Total)	**3.2**	ug/L	3.0	1		10/26/10 07:15	1330-20-7	
m&p-Xylene	**2.3**	ug/L	2.0	1		10/26/10 07:15	1330-20-7	
o-Xylene	ND	ug/L	1.0	1		10/26/10 07:15	95-47-6	
Dibromofluoromethane (S)	98	%	75-130	1		10/26/10 07:15	1868-53-7	
1,2-Dichloroethane-d4 (S)	99	%	75-131	1		10/26/10 07:15	17060-07-0	
Toluene-d8 (S)	93	%	75-125	1		10/26/10 07:15	2037-26-5	
4-Bromofluorobenzene (S)	89	%	75-125	1		10/26/10 07:15	460-00-4	

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ANALYTICAL RESULTS

Project: 60154982 SWL&P SUPERIOR MGP
Pace Project No.: 10141316

Sample: MW-20 **Lab ID: 10141316006** Collected: 10/20/10 14:00 Received: 10/22/10 09:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510							
Acenaphthene	**74.6**	ug/L	0.40	10	10/27/10 17:58	11/01/10 13:52	83-32-9	
Acenaphthylene	**0.40**	ug/L	0.040	1	10/27/10 17:58	10/29/10 18:43	208-96-8	
Anthracene	**0.41**	ug/L	0.040	1	10/27/10 17:58	10/29/10 18:43	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.040	1	10/27/10 17:58	10/29/10 18:43	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.040	1	10/27/10 17:58	10/29/10 18:43	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.040	1	10/27/10 17:58	10/29/10 18:43	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.040	1	10/27/10 17:58	10/29/10 18:43	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.040	1	10/27/10 17:58	10/29/10 18:43	207-08-9	
Chrysene	ND	ug/L	0.040	1	10/27/10 17:58	10/29/10 18:43	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.040	1	10/27/10 17:58	10/29/10 18:43	53-70-3	
Fluoranthene	**0.36**	ug/L	0.040	1	10/27/10 17:58	10/29/10 18:43	206-44-0	
Fluorene	**6.7**	ug/L	0.040	1	10/27/10 17:58	10/29/10 18:43	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.040	1	10/27/10 17:58	10/29/10 18:43	193-39-5	
Naphthalene	**43.4**	ug/L	0.20	5	10/27/10 17:58	10/29/10 19:00	91-20-3	
Phenanthrene	**1.9**	ug/L	0.040	1	10/27/10 17:58	10/29/10 18:43	85-01-8	
Pyrene	**0.27**	ug/L	0.040	1	10/27/10 17:58	10/29/10 18:43	129-00-0	
2-Fluorobiphenyl (S)	82	%	43-125	1	10/27/10 17:58	10/29/10 18:43	321-60-8	
Terphenyl-d14 (S)	91	%	34-136	1	10/27/10 17:58	10/29/10 18:43	1718-51-0	
8260 VOC	Analytical Method: EPA 8260							
Acetone	ND	ug/L	20.0	2		10/26/10 08:05	67-64-1	
Allyl chloride	ND	ug/L	8.0	2		10/26/10 08:05	107-05-1	
Benzene	**15500**	ug/L	100	100		10/27/10 01:29	71-43-2	
Bromobenzene	ND	ug/L	2.0	2		10/26/10 08:05	108-86-1	
Bromochloromethane	ND	ug/L	2.0	2		10/26/10 08:05	74-97-5	
Bromodichloromethane	ND	ug/L	2.0	2		10/26/10 08:05	75-27-4	
Bromoform	ND	ug/L	16.0	2		10/26/10 08:05	75-25-2	
Bromomethane	ND	ug/L	8.0	2		10/26/10 08:05	74-83-9	
2-Butanone (MEK)	ND	ug/L	8.0	2		10/26/10 08:05	78-93-3	
n-Butylbenzene	ND	ug/L	2.0	2		10/26/10 08:05	104-51-8	
sec-Butylbenzene	ND	ug/L	2.0	2		10/26/10 08:05	135-98-8	
tert-Butylbenzene	ND	ug/L	2.0	2		10/26/10 08:05	98-06-6	
Carbon tetrachloride	ND	ug/L	8.0	2		10/26/10 08:05	56-23-5	
Chlorobenzene	ND	ug/L	2.0	2		10/26/10 08:05	108-90-7	
Chloroethane	ND	ug/L	2.0	2		10/26/10 08:05	75-00-3	
Chloroform	ND	ug/L	2.0	2		10/26/10 08:05	67-66-3	
Chloromethane	ND	ug/L	8.0	2		10/26/10 08:05	74-87-3	
2-Chlorotoluene	ND	ug/L	2.0	2		10/26/10 08:05	95-49-8	
4-Chlorotoluene	ND	ug/L	2.0	2		10/26/10 08:05	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	8.0	2		10/26/10 08:05	96-12-8	
Dibromochloromethane	ND	ug/L	2.0	2		10/26/10 08:05	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	2.0	2		10/26/10 08:05	106-93-4	
Dibromomethane	ND	ug/L	8.0	2		10/26/10 08:05	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	2.0	2		10/26/10 08:05	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	2.0	2		10/26/10 08:05	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	2.0	2		10/26/10 08:05	106-46-7	
Dichlorodifluoromethane	ND	ug/L	2.0	2		10/26/10 08:05	75-71-8	

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ANALYTICAL RESULTS

Project: 60154982 SWL&P SUPERIOR MGP
Pace Project No.: 10141316

Sample: MW-20 **Lab ID: 10141316006** Collected: 10/20/10 14:00 Received: 10/22/10 09:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
1,1-Dichloroethane	ND	ug/L	2.0	2		10/26/10 08:05	75-34-3	
1,2-Dichloroethane	ND	ug/L	2.0	2		10/26/10 08:05	107-06-2	
1,1-Dichloroethene	ND	ug/L	2.0	2		10/26/10 08:05	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	2.0	2		10/26/10 08:05	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	2.0	2		10/26/10 08:05	156-60-5	
Dichlorofluoromethane	ND	ug/L	2.0	2		10/26/10 08:05	75-43-4	
1,2-Dichloropropane	ND	ug/L	2.0	2		10/26/10 08:05	78-87-5	
1,3-Dichloropropane	ND	ug/L	2.0	2		10/26/10 08:05	142-28-9	
2,2-Dichloropropane	ND	ug/L	8.0	2		10/26/10 08:05	594-20-7	
1,1-Dichloropropene	ND	ug/L	2.0	2		10/26/10 08:05	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	8.0	2		10/26/10 08:05	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	8.0	2		10/26/10 08:05	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	8.0	2		10/26/10 08:05	60-29-7	
Ethylbenzene	**42.1**	ug/L	2.0	2		10/26/10 08:05	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	8.0	2		10/26/10 08:05	87-68-3	
Isopropylbenzene (Cumene)	**8.3**	ug/L	2.0	2		10/26/10 08:05	98-82-8	
p-Isopropyltoluene	ND	ug/L	2.0	2		10/26/10 08:05	99-87-6	
Methylene Chloride	ND	ug/L	8.0	2		10/26/10 08:05	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	8.0	2		10/26/10 08:05	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	2.0	2		10/26/10 08:05	1634-04-4	
Naphthalene	**65.9**	ug/L	8.0	2		10/26/10 08:05	91-20-3	
n-Propylbenzene	**3.7**	ug/L	2.0	2		10/26/10 08:05	103-65-1	
Styrene	ND	ug/L	2.0	2		10/26/10 08:05	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	2.0	2		10/26/10 08:05	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	2.0	2		10/26/10 08:05	79-34-5	
Tetrachloroethene	ND	ug/L	2.0	2		10/26/10 08:05	127-18-4	
Tetrahydrofuran	ND	ug/L	20.0	2		10/26/10 08:05	109-99-9	
Toluene	ND	ug/L	2.0	2		10/26/10 08:05	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	2.0	2		10/26/10 08:05	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	2.0	2		10/26/10 08:05	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	2.0	2		10/26/10 08:05	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	2.0	2		10/26/10 08:05	79-00-5	
Trichloroethene	ND	ug/L	2.0	2		10/26/10 08:05	79-01-6	
Trichlorofluoromethane	ND	ug/L	2.0	2		10/26/10 08:05	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	2.0	2		10/26/10 08:05	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	2.0	2		10/26/10 08:05	76-13-1	
1,2,4-Trimethylbenzene	**38.4**	ug/L	2.0	2		10/26/10 08:05	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	2.0	2		10/26/10 08:05	108-67-8	
Vinyl chloride	ND	ug/L	0.80	2		10/26/10 08:05	75-01-4	
Xylene (Total)	**44.2**	ug/L	6.0	2		10/26/10 08:05	1330-20-7	
m&p-Xylene	**4.9**	ug/L	4.0	2		10/26/10 08:05	1330-20-7	
o-Xylene	**39.3**	ug/L	2.0	2		10/26/10 08:05	95-47-6	
Dibromofluoromethane (S)	83	%	75-130	2		10/26/10 08:05	1868-53-7	
1,2-Dichloroethane-d4 (S)	92	%	75-131	2		10/26/10 08:05	17060-07-0	
Toluene-d8 (S)	96	%	75-125	2		10/26/10 08:05	2037-26-5	
4-Bromofluorobenzene (S)	89	%	75-125	2		10/26/10 08:05	460-00-4	

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ANALYTICAL RESULTS

Project: 60154982 SWL&P SUPERIOR MGP
Pace Project No.: 10141316

Sample: MW-10 **Lab ID: 10141316007** Collected: 10/20/10 15:00 Received: 10/22/10 09:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510							
Acenaphthene	**47.3**	ug/L	0.20	5	10/27/10 17:58	10/29/10 19:36	83-32-9	
Acenaphthylene	**0.60**	ug/L	0.040	1	10/27/10 17:58	10/29/10 19:18	208-96-8	
Anthracene	**2.1**	ug/L	0.040	1	10/27/10 17:58	10/29/10 19:18	120-12-7	
Benzo(a)anthracene	**0.55**	ug/L	0.040	1	10/27/10 17:58	10/29/10 19:18	56-55-3	
Benzo(a)pyrene	**0.51**	ug/L	0.040	1	10/27/10 17:58	10/29/10 19:18	50-32-8	
Benzo(b)fluoranthene	**0.37**	ug/L	0.040	1	10/27/10 17:58	10/29/10 19:18	205-99-2	
Benzo(g,h,i)perylene	**0.27**	ug/L	0.040	1	10/27/10 17:58	10/29/10 19:18	191-24-2	
Benzo(k)fluoranthene	**0.15**	ug/L	0.040	1	10/27/10 17:58	10/29/10 19:18	207-08-9	
Chrysene	**0.54**	ug/L	0.040	1	10/27/10 17:58	10/29/10 19:18	218-01-9	
Dibenz(a,h)anthracene	**0.067**	ug/L	0.040	1	10/27/10 17:58	10/29/10 19:18	53-70-3	
Fluoranthene	**2.6**	ug/L	0.040	1	10/27/10 17:58	10/29/10 19:18	206-44-0	
Fluorene	**11.6**	ug/L	0.20	5	10/27/10 17:58	10/29/10 19:36	86-73-7	
Indeno(1,2,3-cd)pyrene	**0.18**	ug/L	0.040	1	10/27/10 17:58	10/29/10 19:18	193-39-5	
Naphthalene	**66.4**	ug/L	0.40	10	10/27/10 17:58	11/01/10 14:10	91-20-3	
Phenanthrene	**12.6**	ug/L	0.20	5	10/27/10 17:58	10/29/10 19:36	85-01-8	
Pyrene	**3.5**	ug/L	0.040	1	10/27/10 17:58	10/29/10 19:18	129-00-0	
2-Fluorobiphenyl (S)	66	%	43-125	1	10/27/10 17:58	10/29/10 19:18	321-60-8	
Terphenyl-d14 (S)	92	%	34-136	1	10/27/10 17:58	10/29/10 19:18	1718-51-0	
8260 VOC	Analytical Method: EPA 8260							
Acetone	ND	ug/L	500	50		10/27/10 04:35	67-64-1	L3
Allyl chloride	ND	ug/L	200	50		10/27/10 04:35	107-05-1	
Benzene	**6890**	ug/L	50.0	50		10/27/10 04:35	71-43-2	
Bromobenzene	ND	ug/L	50.0	50		10/27/10 04:35	108-86-1	
Bromochloromethane	ND	ug/L	50.0	50		10/27/10 04:35	74-97-5	
Bromodichloromethane	ND	ug/L	50.0	50		10/27/10 04:35	75-27-4	
Bromoform	ND	ug/L	400	50		10/27/10 04:35	75-25-2	
Bromomethane	ND	ug/L	200	50		10/27/10 04:35	74-83-9	
2-Butanone (MEK)	ND	ug/L	200	50		10/27/10 04:35	78-93-3	
n-Butylbenzene	ND	ug/L	50.0	50		10/27/10 04:35	104-51-8	
sec-Butylbenzene	ND	ug/L	50.0	50		10/27/10 04:35	135-98-8	
tert-Butylbenzene	ND	ug/L	50.0	50		10/27/10 04:35	98-06-6	
Carbon tetrachloride	ND	ug/L	200	50		10/27/10 04:35	56-23-5	
Chlorobenzene	ND	ug/L	50.0	50		10/27/10 04:35	108-90-7	
Chloroethane	ND	ug/L	50.0	50		10/27/10 04:35	75-00-3	
Chloroform	ND	ug/L	50.0	50		10/27/10 04:35	67-66-3	
Chloromethane	ND	ug/L	200	50		10/27/10 04:35	74-87-3	
2-Chlorotoluene	ND	ug/L	50.0	50		10/27/10 04:35	95-49-8	
4-Chlorotoluene	ND	ug/L	50.0	50		10/27/10 04:35	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	200	50		10/27/10 04:35	96-12-8	
Dibromochloromethane	ND	ug/L	50.0	50		10/27/10 04:35	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	50.0	50		10/27/10 04:35	106-93-4	
Dibromomethane	ND	ug/L	200	50		10/27/10 04:35	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	50.0	50		10/27/10 04:35	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	50.0	50		10/27/10 04:35	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	50.0	50		10/27/10 04:35	106-46-7	
Dichlorodifluoromethane	ND	ug/L	50.0	50		10/27/10 04:35	75-71-8	

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ANALYTICAL RESULTS

Project: 60154982 SWL&P SUPERIOR MGP
Pace Project No.: 10141316

Sample: MW-10 **Lab ID: 10141316007** Collected: 10/20/10 15:00 Received: 10/22/10 09:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
1,1-Dichloroethane	ND	ug/L	50.0	50		10/27/10 04:35	75-34-3	
1,2-Dichloroethane	ND	ug/L	50.0	50		10/27/10 04:35	107-06-2	
1,1-Dichloroethene	ND	ug/L	50.0	50		10/27/10 04:35	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	50.0	50		10/27/10 04:35	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	50.0	50		10/27/10 04:35	156-60-5	
Dichlorofluoromethane	ND	ug/L	50.0	50		10/27/10 04:35	75-43-4	
1,2-Dichloropropane	ND	ug/L	50.0	50		10/27/10 04:35	78-87-5	
1,3-Dichloropropane	ND	ug/L	50.0	50		10/27/10 04:35	142-28-9	
2,2-Dichloropropane	ND	ug/L	200	50		10/27/10 04:35	594-20-7	
1,1-Dichloropropene	ND	ug/L	50.0	50		10/27/10 04:35	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	200	50		10/27/10 04:35	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	200	50		10/27/10 04:35	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	200	50		10/27/10 04:35	60-29-7	
Ethylbenzene	**150**	ug/L	50.0	50		10/27/10 04:35	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	200	50		10/27/10 04:35	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	50.0	50		10/27/10 04:35	98-82-8	
p-Isopropyltoluene	ND	ug/L	50.0	50		10/27/10 04:35	99-87-6	
Methylene Chloride	ND	ug/L	200	50		10/27/10 04:35	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	200	50		10/27/10 04:35	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	50.0	50		10/27/10 04:35	1634-04-4	
Naphthalene	ND	ug/L	200	50		10/27/10 04:35	91-20-3	
n-Propylbenzene	ND	ug/L	50.0	50		10/27/10 04:35	103-65-1	
Styrene	ND	ug/L	50.0	50		10/27/10 04:35	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	50.0	50		10/27/10 04:35	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	50.0	50		10/27/10 04:35	79-34-5	
Tetrachloroethene	ND	ug/L	50.0	50		10/27/10 04:35	127-18-4	
Tetrahydrofuran	ND	ug/L	500	50		10/27/10 04:35	109-99-9	
Toluene	**1300**	ug/L	50.0	50		10/27/10 04:35	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	50.0	50		10/27/10 04:35	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	50.0	50		10/27/10 04:35	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	50.0	50		10/27/10 04:35	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	50.0	50		10/27/10 04:35	79-00-5	
Trichloroethene	ND	ug/L	50.0	50		10/27/10 04:35	79-01-6	
Trichlorofluoromethane	ND	ug/L	50.0	50		10/27/10 04:35	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	50.0	50		10/27/10 04:35	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	50.0	50		10/27/10 04:35	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	50.0	50		10/27/10 04:35	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	50.0	50		10/27/10 04:35	108-67-8	
Vinyl chloride	ND	ug/L	20.0	50		10/27/10 04:35	75-01-4	
Xylene (Total)	**500**	ug/L	150	50		10/27/10 04:35	1330-20-7	
m&p-Xylene	**381**	ug/L	100	50		10/27/10 04:35	1330-20-7	
o-Xylene	**119**	ug/L	50.0	50		10/27/10 04:35	95-47-6	
Dibromofluoromethane (S)	100	%	75-130	50		10/27/10 04:35	1868-53-7	HS
1,2-Dichloroethane-d4 (S)	109	%	75-131	50		10/27/10 04:35	17060-07-0	
Toluene-d8 (S)	94	%	75-125	50		10/27/10 04:35	2037-26-5	
4-Bromofluorobenzene (S)	102	%	75-125	50		10/27/10 04:35	460-00-4	

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ANALYTICAL RESULTS

Project: 60154982 SWL&P SUPERIOR MGP
Pace Project No.: 10141316

Sample: MW-10 DUP **Lab ID: 10141316008** Collected: 10/20/10 15:00 Received: 10/22/10 09:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510							
Acenaphthene	**48.4**	ug/L	0.40	10	10/26/10 08:21	11/01/10 14:28	83-32-9	
Acenaphthylene	**0.83**	ug/L	0.040	1	10/26/10 08:21	10/29/10 19:54	208-96-8	
Anthracene	**2.9**	ug/L	0.040	1	10/26/10 08:21	10/29/10 19:54	120-12-7	
Benzo(a)anthracene	**0.41**	ug/L	0.040	1	10/26/10 08:21	10/29/10 19:54	56-55-3	
Benzo(a)pyrene	**0.29**	ug/L	0.040	1	10/26/10 08:21	10/29/10 19:54	50-32-8	
Benzo(b)fluoranthene	**0.22**	ug/L	0.040	1	10/26/10 08:21	10/29/10 19:54	205-99-2	
Benzo(g,h,i)perylene	**0.15**	ug/L	0.040	1	10/26/10 08:21	10/29/10 19:54	191-24-2	
Benzo(k)fluoranthene	**0.089**	ug/L	0.040	1	10/26/10 08:21	10/29/10 19:54	207-08-9	
Chrysene	**0.39**	ug/L	0.040	1	10/26/10 08:21	10/29/10 19:54	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.040	1	10/26/10 08:21	10/29/10 19:54	53-70-3	
Fluoranthene	**2.3**	ug/L	0.040	1	10/26/10 08:21	10/29/10 19:54	206-44-0	
Fluorene	**10.9**	ug/L	0.40	10	10/26/10 08:21	11/01/10 14:28	86-73-7	
Indeno(1,2,3-cd)pyrene	**0.10**	ug/L	0.040	1	10/26/10 08:21	10/29/10 19:54	193-39-5	
Naphthalene	**61.6**	ug/L	0.40	10	10/26/10 08:21	11/01/10 14:28	91-20-3	
Phenanthrene	**13.4**	ug/L	0.40	10	10/26/10 08:21	11/01/10 14:28	85-01-8	
Pyrene	**3.1**	ug/L	0.040	1	10/26/10 08:21	10/29/10 19:54	129-00-0	
2-Fluorobiphenyl (S)	75	%	43-125	1	10/26/10 08:21	10/29/10 19:54	321-60-8	
Terphenyl-d14 (S)	96	%	34-136	1	10/26/10 08:21	10/29/10 19:54	1718-51-0	
8260 VOC	Analytical Method: EPA 8260							
Acetone	ND	ug/L	500	50		10/27/10 08:18	67-64-1	L3
Allyl chloride	ND	ug/L	200	50		10/27/10 08:18	107-05-1	
Benzene	**7290**	ug/L	50.0	50		10/27/10 08:18	71-43-2	
Bromobenzene	ND	ug/L	50.0	50		10/27/10 08:18	108-86-1	
Bromochloromethane	ND	ug/L	50.0	50		10/27/10 08:18	74-97-5	
Bromodichloromethane	ND	ug/L	50.0	50		10/27/10 08:18	75-27-4	
Bromoform	ND	ug/L	400	50		10/27/10 08:18	75-25-2	
Bromomethane	ND	ug/L	200	50		10/27/10 08:18	74-83-9	
2-Butanone (MEK)	ND	ug/L	200	50		10/27/10 08:18	78-93-3	
n-Butylbenzene	ND	ug/L	50.0	50		10/27/10 08:18	104-51-8	
sec-Butylbenzene	ND	ug/L	50.0	50		10/27/10 08:18	135-98-8	
tert-Butylbenzene	ND	ug/L	50.0	50		10/27/10 08:18	98-06-6	
Carbon tetrachloride	ND	ug/L	200	50		10/27/10 08:18	56-23-5	
Chlorobenzene	ND	ug/L	50.0	50		10/27/10 08:18	108-90-7	
Chloroethane	ND	ug/L	50.0	50		10/27/10 08:18	75-00-3	
Chloroform	ND	ug/L	50.0	50		10/27/10 08:18	67-66-3	
Chloromethane	ND	ug/L	200	50		10/27/10 08:18	74-87-3	
2-Chlorotoluene	ND	ug/L	50.0	50		10/27/10 08:18	95-49-8	
4-Chlorotoluene	ND	ug/L	50.0	50		10/27/10 08:18	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	200	50		10/27/10 08:18	96-12-8	
Dibromochloromethane	ND	ug/L	50.0	50		10/27/10 08:18	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	50.0	50		10/27/10 08:18	106-93-4	
Dibromomethane	ND	ug/L	200	50		10/27/10 08:18	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	50.0	50		10/27/10 08:18	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	50.0	50		10/27/10 08:18	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	50.0	50		10/27/10 08:18	106-46-7	
Dichlorodifluoromethane	ND	ug/L	50.0	50		10/27/10 08:18	75-71-8	

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ANALYTICAL RESULTS

Project: 60154982 SWL&P SUPERIOR MGP
Pace Project No.: 10141316

Sample: MW-10 DUP **Lab ID: 10141316008** Collected: 10/20/10 15:00 Received: 10/22/10 09:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
1,1-Dichloroethane	ND	ug/L	50.0	50		10/27/10 08:18	75-34-3	
1,2-Dichloroethane	ND	ug/L	50.0	50		10/27/10 08:18	107-06-2	
1,1-Dichloroethene	ND	ug/L	50.0	50		10/27/10 08:18	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	50.0	50		10/27/10 08:18	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	50.0	50		10/27/10 08:18	156-60-5	
Dichlorofluoromethane	ND	ug/L	50.0	50		10/27/10 08:18	75-43-4	
1,2-Dichloropropane	ND	ug/L	50.0	50		10/27/10 08:18	78-87-5	
1,3-Dichloropropane	ND	ug/L	50.0	50		10/27/10 08:18	142-28-9	
2,2-Dichloropropane	ND	ug/L	200	50		10/27/10 08:18	594-20-7	
1,1-Dichloropropene	ND	ug/L	50.0	50		10/27/10 08:18	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	200	50		10/27/10 08:18	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	200	50		10/27/10 08:18	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	200	50		10/27/10 08:18	60-29-7	
Ethylbenzene	**154**	ug/L	50.0	50		10/27/10 08:18	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	200	50		10/27/10 08:18	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	50.0	50		10/27/10 08:18	98-82-8	
p-Isopropyltoluene	ND	ug/L	50.0	50		10/27/10 08:18	99-87-6	
Methylene Chloride	ND	ug/L	200	50		10/27/10 08:18	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	200	50		10/27/10 08:18	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	50.0	50		10/27/10 08:18	1634-04-4	
Naphthalene	ND	ug/L	200	50		10/27/10 08:18	91-20-3	
n-Propylbenzene	ND	ug/L	50.0	50		10/27/10 08:18	103-65-1	
Styrene	ND	ug/L	50.0	50		10/27/10 08:18	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	50.0	50		10/27/10 08:18	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	50.0	50		10/27/10 08:18	79-34-5	
Tetrachloroethene	ND	ug/L	50.0	50		10/27/10 08:18	127-18-4	
Tetrahydrofuran	ND	ug/L	500	50		10/27/10 08:18	109-99-9	
Toluene	**1450**	ug/L	50.0	50		10/27/10 08:18	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	50.0	50		10/27/10 08:18	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	50.0	50		10/27/10 08:18	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	50.0	50		10/27/10 08:18	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	50.0	50		10/27/10 08:18	79-00-5	
Trichloroethene	ND	ug/L	50.0	50		10/27/10 08:18	79-01-6	
Trichlorofluoromethane	ND	ug/L	50.0	50		10/27/10 08:18	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	50.0	50		10/27/10 08:18	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	50.0	50		10/27/10 08:18	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	50.0	50		10/27/10 08:18	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	50.0	50		10/27/10 08:18	108-67-8	
Vinyl chloride	ND	ug/L	20.0	50		10/27/10 08:18	75-01-4	
Xylene (Total)	**570**	ug/L	150	50		10/27/10 08:18	1330-20-7	
m&p-Xylene	**440**	ug/L	100	50		10/27/10 08:18	1330-20-7	
o-Xylene	**130**	ug/L	50.0	50		10/27/10 08:18	95-47-6	
Dibromofluoromethane (S)	104	%	75-130	50		10/27/10 08:18	1868-53-7	
1,2-Dichloroethane-d4 (S)	106	%	75-131	50		10/27/10 08:18	17060-07-0	
Toluene-d8 (S)	94	%	75-125	50		10/27/10 08:18	2037-26-5	
4-Bromofluorobenzene (S)	99	%	75-125	50		10/27/10 08:18	460-00-4	

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ANALYTICAL RESULTS

Project: 60154982 SWL&P SUPERIOR MGP
Pace Project No.: 10141316

Sample: MW-11 **Lab ID: 10141316009** Collected: 10/20/10 16:20 Received: 10/22/10 09:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510							
Acenaphthene	**4.4**	ug/L	0.040	1	10/26/10 08:21	10/29/10 20:11	83-32-9	
Acenaphthylene	ND	ug/L	0.040	1	10/26/10 08:21	10/29/10 20:11	208-96-8	
Anthracene	**0.044**	ug/L	0.040	1	10/26/10 08:21	10/29/10 20:11	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.040	1	10/26/10 08:21	10/29/10 20:11	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.040	1	10/26/10 08:21	10/29/10 20:11	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.040	1	10/26/10 08:21	10/29/10 20:11	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.040	1	10/26/10 08:21	10/29/10 20:11	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.040	1	10/26/10 08:21	10/29/10 20:11	207-08-9	
Chrysene	ND	ug/L	0.040	1	10/26/10 08:21	10/29/10 20:11	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.040	1	10/26/10 08:21	10/29/10 20:11	53-70-3	
Fluoranthene	ND	ug/L	0.040	1	10/26/10 08:21	10/29/10 20:11	206-44-0	
Fluorene	**0.69**	ug/L	0.040	1	10/26/10 08:21	10/29/10 20:11	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.040	1	10/26/10 08:21	10/29/10 20:11	193-39-5	
Naphthalene	**0.64**	ug/L	0.040	1	10/26/10 08:21	10/29/10 20:11	91-20-3	
Phenanthrene	**0.31**	ug/L	0.040	1	10/26/10 08:21	10/29/10 20:11	85-01-8	
Pyrene	**0.042**	ug/L	0.040	1	10/26/10 08:21	10/29/10 20:11	129-00-0	
2-Fluorobiphenyl (S)	82	%	43-125	1	10/26/10 08:21	10/29/10 20:11	321-60-8	
Terphenyl-d14 (S)	90	%	34-136	1	10/26/10 08:21	10/29/10 20:11	1718-51-0	
8260 VOC	Analytical Method: EPA 8260							
Acetone	ND	ug/L	10.0	1		10/27/10 04:13	67-64-1	L3
Allyl chloride	ND	ug/L	4.0	1		10/27/10 04:13	107-05-1	
Benzene	ND	ug/L	1.0	1		10/27/10 04:13	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		10/27/10 04:13	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		10/27/10 04:13	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		10/27/10 04:13	75-27-4	
Bromoform	ND	ug/L	8.0	1		10/27/10 04:13	75-25-2	
Bromomethane	ND	ug/L	4.0	1		10/27/10 04:13	74-83-9	
2-Butanone (MEK)	ND	ug/L	4.0	1		10/27/10 04:13	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		10/27/10 04:13	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		10/27/10 04:13	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		10/27/10 04:13	98-06-6	
Carbon tetrachloride	ND	ug/L	4.0	1		10/27/10 04:13	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		10/27/10 04:13	108-90-7	
Chloroethane	ND	ug/L	1.0	1		10/27/10 04:13	75-00-3	
Chloroform	ND	ug/L	1.0	1		10/27/10 04:13	67-66-3	
Chloromethane	ND	ug/L	4.0	1		10/27/10 04:13	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		10/27/10 04:13	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		10/27/10 04:13	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		10/27/10 04:13	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		10/27/10 04:13	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		10/27/10 04:13	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		10/27/10 04:13	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		10/27/10 04:13	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		10/27/10 04:13	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		10/27/10 04:13	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		10/27/10 04:13	75-71-8	

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ANALYTICAL RESULTS

Project: 60154982 SWL&P SUPERIOR MGP
Pace Project No.: 10141316

Sample: MW-11 **Lab ID: 10141316009** Collected: 10/20/10 16:20 Received: 10/22/10 09:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
1,1-Dichloroethane	ND	ug/L	1.0	1		10/27/10 04:13	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		10/27/10 04:13	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		10/27/10 04:13	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		10/27/10 04:13	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		10/27/10 04:13	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		10/27/10 04:13	75-43-4	
1,2-Dichloropropane	ND	ug/L	1.0	1		10/27/10 04:13	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		10/27/10 04:13	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		10/27/10 04:13	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		10/27/10 04:13	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		10/27/10 04:13	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		10/27/10 04:13	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		10/27/10 04:13	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		10/27/10 04:13	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	4.0	1		10/27/10 04:13	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		10/27/10 04:13	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		10/27/10 04:13	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		10/27/10 04:13	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	4.0	1		10/27/10 04:13	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		10/27/10 04:13	1634-04-4	
Naphthalene	ND	ug/L	4.0	1		10/27/10 04:13	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		10/27/10 04:13	103-65-1	
Styrene	ND	ug/L	1.0	1		10/27/10 04:13	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		10/27/10 04:13	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		10/27/10 04:13	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		10/27/10 04:13	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		10/27/10 04:13	109-99-9	
Toluene	ND	ug/L	1.0	1		10/27/10 04:13	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		10/27/10 04:13	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		10/27/10 04:13	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		10/27/10 04:13	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		10/27/10 04:13	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		10/27/10 04:13	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		10/27/10 04:13	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		10/27/10 04:13	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		10/27/10 04:13	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		10/27/10 04:13	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		10/27/10 04:13	108-67-8	
Vinyl chloride	ND	ug/L	0.40	1		10/27/10 04:13	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		10/27/10 04:13	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		10/27/10 04:13	1330-20-7	
o-Xylene	ND	ug/L	1.0	1		10/27/10 04:13	95-47-6	
Dibromofluoromethane (S)	106	%	75-130	1		10/27/10 04:13	1868-53-7	
1,2-Dichloroethane-d4 (S)	112	%	75-131	1		10/27/10 04:13	17060-07-0	
Toluene-d8 (S)	91	%	75-125	1		10/27/10 04:13	2037-26-5	
4-Bromofluorobenzene (S)	96	%	75-125	1		10/27/10 04:13	460-00-4	

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ANALYTICAL RESULTS

Project: 60154982 SWL&P SUPERIOR MGP
Pace Project No.: 10141316

Sample: MW-18 **Lab ID: 10141316010** Collected: 10/21/10 10:00 Received: 10/22/10 09:50 Matrix: Water

Parameters	Results	Units	Report Limit	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	1	10/26/10 08:21	10/29/10 20:29	83-32-9	
Acenaphthylene	ND	ug/L	0.040	1	10/26/10 08:21	10/29/10 20:29	208-96-8	
Anthracene	ND	ug/L	0.040	1	10/26/10 08:21	10/29/10 20:29	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.040	1	10/26/10 08:21	10/29/10 20:29	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.040	1	10/26/10 08:21	10/29/10 20:29	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.040	1	10/26/10 08:21	10/29/10 20:29	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.040	1	10/26/10 08:21	10/29/10 20:29	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.040	1	10/26/10 08:21	10/29/10 20:29	207-08-9	
Chrysene	ND	ug/L	0.040	1	10/26/10 08:21	10/29/10 20:29	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.040	1	10/26/10 08:21	10/29/10 20:29	53-70-3	
Fluoranthene	**0.043**	ug/L	0.040	1	10/26/10 08:21	10/29/10 20:29	206-44-0	
Fluorene	ND	ug/L	0.040	1	10/26/10 08:21	10/29/10 20:29	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.040	1	10/26/10 08:21	10/29/10 20:29	193-39-5	
Naphthalene	**0.15**	ug/L	0.040	1	10/26/10 08:21	10/29/10 20:29	91-20-3	
Phenanthrene	**0.063**	ug/L	0.040	1	10/26/10 08:21	10/29/10 20:29	85-01-8	
Pyrene	**0.050**	ug/L	0.040	1	10/26/10 08:21	10/29/10 20:29	129-00-0	
2-Fluorobiphenyl (S)	83	%	43-125	1	10/26/10 08:21	10/29/10 20:29	321-60-8	
Terphenyl-d14 (S)	89	%	34-136	1	10/26/10 08:21	10/29/10 20:29	1718-51-0	
8260 VOC	Analytical Method: EPA 8260							
Acetone	**134**	ug/L	10.0	1		10/28/10 02:32	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		10/28/10 02:32	107-05-1	
Benzene	**3.6**	ug/L	1.0	1		10/28/10 02:32	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		10/28/10 02:32	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		10/28/10 02:32	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		10/28/10 02:32	75-27-4	
Bromoform	ND	ug/L	8.0	1		10/28/10 02:32	75-25-2	
Bromomethane	ND	ug/L	4.0	1		10/28/10 02:32	74-83-9	
2-Butanone (MEK)	ND	ug/L	4.0	1		10/28/10 02:32	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		10/28/10 02:32	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		10/28/10 02:32	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		10/28/10 02:32	98-06-6	
Carbon tetrachloride	ND	ug/L	4.0	1		10/28/10 02:32	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		10/28/10 02:32	108-90-7	
Chloroethane	ND	ug/L	1.0	1		10/28/10 02:32	75-00-3	
Chloroform	ND	ug/L	1.0	1		10/28/10 02:32	67-66-3	
Chloromethane	ND	ug/L	4.0	1		10/28/10 02:32	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		10/28/10 02:32	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		10/28/10 02:32	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		10/28/10 02:32	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		10/28/10 02:32	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		10/28/10 02:32	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		10/28/10 02:32	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		10/28/10 02:32	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		10/28/10 02:32	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		10/28/10 02:32	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		10/28/10 02:32	75-71-8	

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ANALYTICAL RESULTS

Project: 60154982 SWL&P SUPERIOR MGP
Pace Project No.: 10141316

Sample: MW-18 **Lab ID: 10141316010** Collected: 10/21/10 10:00 Received: 10/22/10 09:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
1,1-Dichloroethane	ND	ug/L	1.0	1		10/28/10 02:32	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		10/28/10 02:32	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		10/28/10 02:32	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		10/28/10 02:32	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		10/28/10 02:32	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		10/28/10 02:32	75-43-4	
1,2-Dichloropropane	ND	ug/L	1.0	1		10/28/10 02:32	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		10/28/10 02:32	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		10/28/10 02:32	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		10/28/10 02:32	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		10/28/10 02:32	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		10/28/10 02:32	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		10/28/10 02:32	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		10/28/10 02:32	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	4.0	1		10/28/10 02:32	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		10/28/10 02:32	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		10/28/10 02:32	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		10/28/10 02:32	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	4.0	1		10/28/10 02:32	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		10/28/10 02:32	1634-04-4	
Naphthalene	ND	ug/L	4.0	1		10/28/10 02:32	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		10/28/10 02:32	103-65-1	
Styrene	ND	ug/L	1.0	1		10/28/10 02:32	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		10/28/10 02:32	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		10/28/10 02:32	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		10/28/10 02:32	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		10/28/10 02:32	109-99-9	
Toluene	ND	ug/L	1.0	1		10/28/10 02:32	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		10/28/10 02:32	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		10/28/10 02:32	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		10/28/10 02:32	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		10/28/10 02:32	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		10/28/10 02:32	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		10/28/10 02:32	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		10/28/10 02:32	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		10/28/10 02:32	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		10/28/10 02:32	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		10/28/10 02:32	108-67-8	
Vinyl chloride	ND	ug/L	0.40	1		10/28/10 02:32	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		10/28/10 02:32	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		10/28/10 02:32	1330-20-7	
o-Xylene	ND	ug/L	1.0	1		10/28/10 02:32	95-47-6	
Dibromofluoromethane (S)	107	%	75-130	1		10/28/10 02:32	1868-53-7	
1,2-Dichloroethane-d4 (S)	102	%	75-131	1		10/28/10 02:32	17060-07-0	
Toluene-d8 (S)	93	%	75-125	1		10/28/10 02:32	2037-26-5	
4-Bromofluorobenzene (S)	88	%	75-125	1		10/28/10 02:32	460-00-4	

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ANALYTICAL RESULTS

Project: 60154982 SWL&P SUPERIOR MGP
Pace Project No.: 10141316

Sample: TRIP BLANK **Lab ID: 10141316011** Collected: 10/21/10 10:00 Received: 10/22/10 09:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
Acetone	ND	ug/L	10.0	1		10/27/10 02:22	67-64-1	L3
Allyl chloride	ND	ug/L	4.0	1		10/27/10 02:22	107-05-1	
Benzene	ND	ug/L	1.0	1		10/27/10 02:22	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		10/27/10 02:22	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		10/27/10 02:22	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		10/27/10 02:22	75-27-4	
Bromoform	ND	ug/L	8.0	1		10/27/10 02:22	75-25-2	
Bromomethane	ND	ug/L	4.0	1		10/27/10 02:22	74-83-9	
2-Butanone (MEK)	ND	ug/L	4.0	1		10/27/10 02:22	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		10/27/10 02:22	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		10/27/10 02:22	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		10/27/10 02:22	98-06-6	
Carbon tetrachloride	ND	ug/L	4.0	1		10/27/10 02:22	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		10/27/10 02:22	108-90-7	
Chloroethane	ND	ug/L	1.0	1		10/27/10 02:22	75-00-3	
Chloroform	ND	ug/L	1.0	1		10/27/10 02:22	67-66-3	
Chloromethane	ND	ug/L	4.0	1		10/27/10 02:22	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		10/27/10 02:22	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		10/27/10 02:22	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		10/27/10 02:22	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		10/27/10 02:22	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		10/27/10 02:22	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		10/27/10 02:22	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		10/27/10 02:22	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		10/27/10 02:22	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		10/27/10 02:22	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		10/27/10 02:22	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		10/27/10 02:22	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		10/27/10 02:22	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		10/27/10 02:22	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		10/27/10 02:22	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		10/27/10 02:22	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		10/27/10 02:22	75-43-4	
1,2-Dichloropropane	ND	ug/L	1.0	1		10/27/10 02:22	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		10/27/10 02:22	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		10/27/10 02:22	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		10/27/10 02:22	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		10/27/10 02:22	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		10/27/10 02:22	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		10/27/10 02:22	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		10/27/10 02:22	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	4.0	1		10/27/10 02:22	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		10/27/10 02:22	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		10/27/10 02:22	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		10/27/10 02:22	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	4.0	1		10/27/10 02:22	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		10/27/10 02:22	1634-04-4	

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ANALYTICAL RESULTS

Project: 60154982 SWL&P SUPERIOR MGP
Pace Project No.: 10141316

Sample: TRIP BLANK **Lab ID: 10141316011** Collected: 10/21/10 10:00 Received: 10/22/10 09:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
Naphthalene	ND	ug/L	4.0	1		10/27/10 02:22	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		10/27/10 02:22	103-65-1	
Styrene	ND	ug/L	1.0	1		10/27/10 02:22	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		10/27/10 02:22	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		10/27/10 02:22	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		10/27/10 02:22	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		10/27/10 02:22	109-99-9	
Toluene	ND	ug/L	1.0	1		10/27/10 02:22	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		10/27/10 02:22	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		10/27/10 02:22	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		10/27/10 02:22	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		10/27/10 02:22	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		10/27/10 02:22	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		10/27/10 02:22	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		10/27/10 02:22	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		10/27/10 02:22	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		10/27/10 02:22	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		10/27/10 02:22	108-67-8	
Vinyl chloride	ND	ug/L	0.40	1		10/27/10 02:22	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		10/27/10 02:22	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		10/27/10 02:22	1330-20-7	
o-Xylene	ND	ug/L	1.0	1		10/27/10 02:22	95-47-6	
Dibromofluoromethane (S)	108	%	75-130	1		10/27/10 02:22	1868-53-7	
1,2-Dichloroethane-d4 (S)	108	%	75-131	1		10/27/10 02:22	17060-07-0	
Toluene-d8 (S)	95	%	75-125	1		10/27/10 02:22	2037-26-5	
4-Bromofluorobenzene (S)	99	%	75-125	1		10/27/10 02:22	460-00-4	

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QUALITY CONTROL DATA

Project: 60154982 SWL&P SUPERIOR MGP
Pace Project No.: 10141316

QC Batch: OEXT/14108 Analysis Method: EPA 8270 by SIM
QC Batch Method: EPA 3510 Analysis Description: 8270 Water PAH by SIM MSSV
Associated Lab Samples: 10141316008, 10141316009, 10141316010

METHOD BLANK: 878849 Matrix: Water
Associated Lab Samples: 10141316008, 10141316009, 10141316010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Acenaphthene	ug/L	ND	0.040	10/29/10 14:17	
Acenaphthylene	ug/L	ND	0.040	10/29/10 14:17	
Anthracene	ug/L	ND	0.040	10/29/10 14:17	
Benzo(a)anthracene	ug/L	ND	0.040	10/29/10 14:17	
Benzo(a)pyrene	ug/L	ND	0.040	10/29/10 14:17	
Benzo(b)fluoranthene	ug/L	ND	0.040	10/29/10 14:17	
Benzo(g,h,i)perylene	ug/L	ND	0.040	10/29/10 14:17	
Benzo(k)fluoranthene	ug/L	ND	0.040	10/29/10 14:17	
Chrysene	ug/L	ND	0.040	10/29/10 14:17	
Dibenz(a,h)anthracene	ug/L	ND	0.040	10/29/10 14:17	
Fluoranthene	ug/L	ND	0.040	10/29/10 14:17	
Fluorene	ug/L	ND	0.040	10/29/10 14:17	
Indeno(1,2,3-cd)pyrene	ug/L	ND	0.040	10/29/10 14:17	
Naphthalene	ug/L	ND	0.040	10/29/10 14:17	
Phenanthrene	ug/L	ND	0.040	10/29/10 14:17	
Pyrene	ug/L	ND	0.040	10/29/10 14:17	
2-Fluorobiphenyl (S)	%	79	43-125	10/29/10 14:17	
Terphenyl-d14 (S)	%	91	34-136	10/29/10 14:17	

LABORATORY CONTROL SAMPLE: 878850

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Acenaphthene	ug/L	1	0.57	57	49-125	
Acenaphthylene	ug/L	1	0.57	57	48-125	
Anthracene	ug/L	1	0.61	61	49-130	
Benzo(a)anthracene	ug/L	1	0.66	66	50-125	
Benzo(a)pyrene	ug/L	1	0.65	65	48-131	
Benzo(b)fluoranthene	ug/L	1	0.67	67	48-125	
Benzo(g,h,i)perylene	ug/L	1	0.65	65	34-136	
Benzo(k)fluoranthene	ug/L	1	0.64	64	46-142	
Chrysene	ug/L	1	0.64	64	39-150	
Dibenz(a,h)anthracene	ug/L	1	0.68	68	42-127	
Fluoranthene	ug/L	1	0.66	66	51-130	
Fluorene	ug/L	1	0.59	59	51-125	
Indeno(1,2,3-cd)pyrene	ug/L	1	0.66	66	43-125	
Naphthalene	ug/L	1	0.58	58	44-125	
Phenanthrene	ug/L	1	0.61	61	51-125	
Pyrene	ug/L	1	0.64	64	38-149	
2-Fluorobiphenyl (S)	%			53	43-125	
Terphenyl-d14 (S)	%			64	34-136	

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QUALITY CONTROL DATA

Project: 60154982 SWL&P SUPERIOR MGP
Pace Project No.: 10141316

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 878851 878852

Parameter	Units	10141308010 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	1.2	1.1	0.85	0.83	73	78	49-125	2	30	
Acenaphthylene	ug/L	ND	1.2	1.1	0.84	0.80	73	76	48-125	5	30	
Anthracene	ug/L	ND	1.2	1.1	0.84	0.83	72	79	47-130	.1	30	
Benzo(a)anthracene	ug/L	ND	1.2	1.1	0.90	0.89	78	85	50-125	.9	30	
Benzo(a)pyrene	ug/L	ND	1.2	1.1	0.92	0.86	79	81	44-131	7	30	
Benzo(b)fluoranthene	ug/L	ND	1.2	1.1	0.87	0.94	76	89	48-125	7	30	
Benzo(g,h,i)perylene	ug/L	ND	1.2	1.1	0.99	0.94	86	89	33-136	6	30	
Benzo(k)fluoranthene	ug/L	ND	1.2	1.1	0.97	0.85	84	81	38-149	13	30	
Chrysene	ug/L	ND	1.2	1.1	0.90	0.87	78	82	31-150	4	30	
Dibenz(a,h)anthracene	ug/L	ND	1.2	1.1	1.0	0.93	87	88	42-127	8	30	
Fluoranthene	ug/L	ND	1.2	1.1	0.93	0.95	80	90	51-130	2	30	
Fluorene	ug/L	ND	1.2	1.1	0.83	0.83	72	78	51-125	.9	30	
Indeno(1,2,3-cd)pyrene	ug/L	ND	1.2	1.1	0.98	0.91	85	87	43-125	7	30	
Naphthalene	ug/L	ND	1.2	1.1	0.85	0.82	73	78	44-125	4	30	
Phenanthrene	ug/L	ND	1.2	1.1	0.86	0.86	75	82	51-125	.5	30	
Pyrene	ug/L	ND	1.2	1.1	0.87	0.86	75	81	34-149	2	30	
2-Fluorobiphenyl (S)	%						73	77	43-125			
Terphenyl-d14 (S)	%						79	82	34-136			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 878853 878854

Parameter	Units	10141308011 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	1.2	1	0.97	0.80	84	80	49-125	18	30	
Acenaphthylene	ug/L	ND	1.2	1	0.93	0.78	80	77	48-125	18	30	
Anthracene	ug/L	ND	1.2	1	0.95	0.81	82	81	47-130	15	30	
Benzo(a)anthracene	ug/L	ND	1.2	1	1.0	0.87	87	87	50-125	14	30	
Benzo(a)pyrene	ug/L	ND	1.2	1	0.98	0.83	85	83	44-131	17	30	
Benzo(b)fluoranthene	ug/L	ND	1.2	1	0.99	0.91	85	91	48-125	8	30	
Benzo(g,h,i)perylene	ug/L	ND	1.2	1	1.1	0.89	91	89	33-136	17	30	
Benzo(k)fluoranthene	ug/L	ND	1.2	1	1.1	0.85	93	85	38-149	23	30	
Chrysene	ug/L	ND	1.2	1	1.0	0.87	88	87	31-150	16	30	
Dibenz(a,h)anthracene	ug/L	ND	1.2	1	1.1	0.90	92	89	42-127	17	30	
Fluoranthene	ug/L	ND	1.2	1	1.0	0.89	90	88	51-130	16	30	
Fluorene	ug/L	ND	1.2	1	0.97	0.82	84	81	51-125	17	30	
Indeno(1,2,3-cd)pyrene	ug/L	ND	1.2	1	1.1	0.89	91	88	43-125	17	30	
Naphthalene	ug/L	ND	1.2	1	0.95	0.74	82	73	44-125	25	30	
Phenanthrene	ug/L	ND	1.2	1	0.98	0.85	85	85	51-125	14	30	
Pyrene	ug/L	ND	1.2	1	0.97	0.86	84	85	34-149	12	30	
2-Fluorobiphenyl (S)	%						82	76	43-125			
Terphenyl-d14 (S)	%						86	87	34-136			

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QUALITY CONTROL DATA

Project: 60154982 SWL&P SUPERIOR MGP
Pace Project No.: 10141316

QC Batch: OEXT/14125 Analysis Method: EPA 8270 by SIM
QC Batch Method: EPA 3510 Analysis Description: 8270 Water PAH by SIM MSSV
Associated Lab Samples: 10141316001, 10141316002, 10141316003, 10141316004, 10141316005, 10141316006, 10141316007

METHOD BLANK: 880320 Matrix: Water
Associated Lab Samples: 10141316001, 10141316002, 10141316003, 10141316004, 10141316005, 10141316006, 10141316007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Acenaphthene	ug/L	ND	0.040	10/29/10 10:44	
Acenaphthylene	ug/L	ND	0.040	10/29/10 10:44	
Anthracene	ug/L	ND	0.040	10/29/10 10:44	
Benzo(a)anthracene	ug/L	ND	0.040	10/29/10 10:44	
Benzo(a)pyrene	ug/L	ND	0.040	10/29/10 10:44	
Benzo(b)fluoranthene	ug/L	ND	0.040	10/29/10 10:44	
Benzo(g,h,i)perylene	ug/L	ND	0.040	10/29/10 10:44	
Benzo(k)fluoranthene	ug/L	ND	0.040	10/29/10 10:44	
Chrysene	ug/L	ND	0.040	10/29/10 10:44	
Dibenz(a,h)anthracene	ug/L	ND	0.040	10/29/10 10:44	
Fluoranthene	ug/L	ND	0.040	10/29/10 10:44	
Fluorene	ug/L	ND	0.040	10/29/10 10:44	
Indeno(1,2,3-cd)pyrene	ug/L	ND	0.040	10/29/10 10:44	
Naphthalene	ug/L	ND	0.040	10/29/10 10:44	
Phenanthrene	ug/L	ND	0.040	10/29/10 10:44	
Pyrene	ug/L	ND	0.040	10/29/10 10:44	
2-Fluorobiphenyl (S)	%	82	43-125	10/29/10 10:44	
Terphenyl-d14 (S)	%	96	34-136	10/29/10 10:44	

LABORATORY CONTROL SAMPLE & LCSD: 880321 880322

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Acenaphthene	ug/L	1	0.85	0.90	85	90	49-125	6	20	
Acenaphthylene	ug/L	1	0.83	0.88	83	88	48-125	6	20	
Anthracene	ug/L	1	0.88	0.90	88	90	49-130	2	20	
Benzo(a)anthracene	ug/L	1	0.94	0.96	94	96	50-125	2	20	
Benzo(a)pyrene	ug/L	1	0.93	0.95	93	95	48-131	2	20	
Benzo(b)fluoranthene	ug/L	1	0.95	0.96	95	96	48-125	1	20	
Benzo(g,h,i)perylene	ug/L	1	0.92	0.96	92	96	34-136	4	20	
Benzo(k)fluoranthene	ug/L	1	0.97	0.99	97	99	46-142	1	20	
Chrysene	ug/L	1	0.94	0.95	94	95	39-150	2	20	
Dibenz(a,h)anthracene	ug/L	1	0.96	1.0	96	100	42-127	4	20	
Fluoranthene	ug/L	1	0.98	0.98	98	98	51-130	.3	20	
Fluorene	ug/L	1	0.86	0.91	86	91	51-125	5	20	
Indeno(1,2,3-cd)pyrene	ug/L	1	0.95	0.98	95	98	43-125	3	20	
Naphthalene	ug/L	1	0.87	0.90	87	90	44-125	3	20	
Phenanthrene	ug/L	1	0.89	0.90	89	90	51-125	1	20	
Pyrene	ug/L	1	0.91	0.93	91	93	38-149	1	20	
2-Fluorobiphenyl (S)	%				81	86	43-125			
Terphenyl-d14 (S)	%				96	95	34-136			

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 60154982 SWL&P SUPERIOR MGP
Pace Project No.: 10141316

QC Batch: MSV/15619 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 465 W
Associated Lab Samples: 10141316001, 10141316005, 10141316006

METHOD BLANK: 878598 Matrix: Water
Associated Lab Samples: 10141316001, 10141316005, 10141316006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	10/26/10 01:06	
1,1,1-Trichloroethane	ug/L	ND	1.0	10/26/10 01:06	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	10/26/10 01:06	
1,1,2-Trichloroethane	ug/L	ND	1.0	10/26/10 01:06	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	1.0	10/26/10 01:06	
1,1-Dichloroethane	ug/L	ND	1.0	10/26/10 01:06	
1,1-Dichloroethene	ug/L	ND	1.0	10/26/10 01:06	
1,1-Dichloropropene	ug/L	ND	1.0	10/26/10 01:06	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	10/26/10 01:06	
1,2,3-Trichloropropane	ug/L	ND	1.0	10/26/10 01:06	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	10/26/10 01:06	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	10/26/10 01:06	
1,2-Dibromo-3-chloropropane	ug/L	ND	4.0	10/26/10 01:06	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	10/26/10 01:06	
1,2-Dichlorobenzene	ug/L	ND	1.0	10/26/10 01:06	
1,2-Dichloroethane	ug/L	ND	1.0	10/26/10 01:06	
1,2-Dichloropropane	ug/L	ND	1.0	10/26/10 01:06	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	10/26/10 01:06	
1,3-Dichlorobenzene	ug/L	ND	1.0	10/26/10 01:06	
1,3-Dichloropropane	ug/L	ND	1.0	10/26/10 01:06	
1,4-Dichlorobenzene	ug/L	ND	1.0	10/26/10 01:06	
2,2-Dichloropropane	ug/L	ND	4.0	10/26/10 01:06	
2-Butanone (MEK)	ug/L	ND	4.0	10/26/10 01:06	
2-Chlorotoluene	ug/L	ND	1.0	10/26/10 01:06	
4-Chlorotoluene	ug/L	ND	1.0	10/26/10 01:06	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	4.0	10/26/10 01:06	
Acetone	ug/L	ND	10.0	10/26/10 01:06	
Allyl chloride	ug/L	ND	4.0	10/26/10 01:06	
Benzene	ug/L	ND	1.0	10/26/10 01:06	
Bromobenzene	ug/L	ND	1.0	10/26/10 01:06	
Bromochloromethane	ug/L	ND	1.0	10/26/10 01:06	
Bromodichloromethane	ug/L	ND	1.0	10/26/10 01:06	
Bromoform	ug/L	ND	8.0	10/26/10 01:06	
Bromomethane	ug/L	ND	4.0	10/26/10 01:06	
Carbon tetrachloride	ug/L	ND	4.0	10/26/10 01:06	
Chlorobenzene	ug/L	ND	1.0	10/26/10 01:06	
Chloroethane	ug/L	ND	1.0	10/26/10 01:06	
Chloroform	ug/L	ND	1.0	10/26/10 01:06	
Chloromethane	ug/L	ND	4.0	10/26/10 01:06	
cis-1,2-Dichloroethene	ug/L	ND	1.0	10/26/10 01:06	
cis-1,3-Dichloropropene	ug/L	ND	4.0	10/26/10 01:06	
Dibromochloromethane	ug/L	ND	1.0	10/26/10 01:06	
Dibromomethane	ug/L	ND	4.0	10/26/10 01:06	

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QUALITY CONTROL DATA

Project: 60154982 SWL&P SUPERIOR MGP
Pace Project No.: 10141316

METHOD BLANK: 878598 Matrix: Water

Associated Lab Samples: 10141316001, 10141316005, 10141316006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dichlorodifluoromethane	ug/L	ND	1.0	10/26/10 01:06	
Dichlorofluoromethane	ug/L	ND	1.0	10/26/10 01:06	
Diethyl ether (Ethyl ether)	ug/L	ND	4.0	10/26/10 01:06	
Ethylbenzene	ug/L	ND	1.0	10/26/10 01:06	
Hexachloro-1,3-butadiene	ug/L	ND	4.0	10/26/10 01:06	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	10/26/10 01:06	
m&p-Xylene	ug/L	ND	2.0	10/26/10 01:06	
Methyl-tert-butyl ether	ug/L	ND	1.0	10/26/10 01:06	
Methylene Chloride	ug/L	ND	4.0	10/26/10 01:06	
n-Butylbenzene	ug/L	ND	1.0	10/26/10 01:06	
n-Propylbenzene	ug/L	ND	1.0	10/26/10 01:06	
Naphthalene	ug/L	ND	4.0	10/26/10 01:06	
o-Xylene	ug/L	ND	1.0	10/26/10 01:06	
p-Isopropyltoluene	ug/L	ND	1.0	10/26/10 01:06	
sec-Butylbenzene	ug/L	ND	1.0	10/26/10 01:06	
Styrene	ug/L	ND	1.0	10/26/10 01:06	
tert-Butylbenzene	ug/L	ND	1.0	10/26/10 01:06	
Tetrachloroethene	ug/L	ND	1.0	10/26/10 01:06	
Tetrahydrofuran	ug/L	ND	10.0	10/26/10 01:06	
Toluene	ug/L	ND	1.0	10/26/10 01:06	
trans-1,2-Dichloroethene	ug/L	ND	1.0	10/26/10 01:06	
trans-1,3-Dichloropropene	ug/L	ND	4.0	10/26/10 01:06	
Trichloroethene	ug/L	ND	1.0	10/26/10 01:06	
Trichlorofluoromethane	ug/L	ND	1.0	10/26/10 01:06	
Vinyl chloride	ug/L	ND	0.40	10/26/10 01:06	
Xylene (Total)	ug/L	ND	3.0	10/26/10 01:06	
1,2-Dichloroethane-d4 (S)	%	99	75-131	10/26/10 01:06	
4-Bromofluorobenzene (S)	%	94	75-125	10/26/10 01:06	
Dibromofluoromethane (S)	%	105	75-130	10/26/10 01:06	
Toluene-d8 (S)	%	94	75-125	10/26/10 01:06	

LABORATORY CONTROL SAMPLE: 878599

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	52.4	105	75-125	
1,1,1-Trichloroethane	ug/L	50	49.1	98	68-130	
1,1,2,2-Tetrachloroethane	ug/L	50	47.7	95	71-125	
1,1,2-Trichloroethane	ug/L	50	49.8	100	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	50	42.5	85	60-141	
1,1-Dichloroethane	ug/L	50	49.0	98	75-125	
1,1-Dichloroethene	ug/L	50	47.4	95	69-125	
1,1-Dichloropropene	ug/L	50	47.5	95	69-125	
1,2,3-Trichlorobenzene	ug/L	50	50.0	100	72-129	
1,2,3-Trichloropropane	ug/L	50	48.4	97	69-127	
1,2,4-Trichlorobenzene	ug/L	50	44.3	89	75-125	

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QUALITY CONTROL DATA

Project: 60154982 SWL&P SUPERIOR MGP
Pace Project No.: 10141316

LABORATORY CONTROL SAMPLE: 878599

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trimethylbenzene	ug/L	50	48.1	96	75-125	
1,2-Dibromo-3-chloropropane	ug/L	50	46.3	93	64-135	
1,2-Dibromoethane (EDB)	ug/L	50	49.4	99	75-126	
1,2-Dichlorobenzene	ug/L	50	50.7	101	75-125	
1,2-Dichloroethane	ug/L	50	50.0	100	75-125	
1,2-Dichloropropane	ug/L	50	49.1	98	75-125	
1,3,5-Trimethylbenzene	ug/L	50	49.6	99	75-125	
1,3-Dichlorobenzene	ug/L	50	49.0	98	75-125	
1,3-Dichloropropane	ug/L	50	49.1	98	75-125	
1,4-Dichlorobenzene	ug/L	50	49.5	99	75-125	
2,2-Dichloropropane	ug/L	50	45.0	90	54-149	
2-Butanone (MEK)	ug/L	50	45.4	91	55-140	
2-Chlorotoluene	ug/L	50	47.6	95	75-125	
4-Chlorotoluene	ug/L	50	47.7	95	75-125	
4-Methyl-2-pentanone (MIBK)	ug/L	50	44.7	89	65-132	
Acetone	ug/L	125	117	93	36-126	
Allyl chloride	ug/L	50	44.9	90	64-137	
Benzene	ug/L	50	50.3	101	75-125	
Bromobenzene	ug/L	50	50.6	101	75-125	
Bromochloromethane	ug/L	50	55.1	110	75-125	
Bromodichloromethane	ug/L	50	50.6	101	75-125	
Bromoform	ug/L	50	47.9	96	72-131	
Bromomethane	ug/L	50	67.4	135	30-150	
Carbon tetrachloride	ug/L	50	51.0	102	61-140	
Chlorobenzene	ug/L	50	50.3	101	75-125	
Chloroethane	ug/L	50	55.0	110	56-137	
Chloroform	ug/L	50	49.3	99	75-125	
Chloromethane	ug/L	50	51.9	104	62-128	
cis-1,2-Dichloroethene	ug/L	50	49.2	98	75-125	
cis-1,3-Dichloropropene	ug/L	50	46.0	92	75-125	
Dibromochloromethane	ug/L	50	53.2	106	75-125	
Dibromomethane	ug/L	50	48.5	97	75-125	
Dichlorodifluoromethane	ug/L	50	56.4	113	54-141	
Dichlorofluoromethane	ug/L	50	49.4	99	70-128	
Diethyl ether (Ethyl ether)	ug/L	50	47.8	96	75-125	
Ethylbenzene	ug/L	50	51.1	102	75-125	
Hexachloro-1,3-butadiene	ug/L	25	21.9	88	68-133	
Isopropylbenzene (Cumene)	ug/L	50	53.0	106	75-125	
m&p-Xylene	ug/L	100	93.8	94	75-125	
Methyl-tert-butyl ether	ug/L	50	48.2	96	73-132	
Methylene Chloride	ug/L	50	46.6	93	74-125	
n-Butylbenzene	ug/L	50	41.8	84	75-125	
n-Propylbenzene	ug/L	50	49.2	98	75-125	
Naphthalene	ug/L	50	44.4	89	69-130	
o-Xylene	ug/L	50	50.4	101	75-125	
p-Isopropyltoluene	ug/L	50	47.9	96	75-125	
sec-Butylbenzene	ug/L	50	50.1	100	75-125	
Styrene	ug/L	50	44.1	88	75-125	

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QUALITY CONTROL DATA

Project: 60154982 SWL&P SUPERIOR MGP
Pace Project No.: 10141316

LABORATORY CONTROL SAMPLE: 878599

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
tert-Butylbenzene	ug/L	50	49.1	98	73-125	
Tetrachloroethene	ug/L	50	45.9	92	72-125	
Tetrahydrofuran	ug/L	500	478	96	64-135	
Toluene	ug/L	50	47.0	94	75-125	
trans-1,2-Dichloroethene	ug/L	50	47.7	95	70-125	
trans-1,3-Dichloropropene	ug/L	50	47.3	95	75-125	
Trichloroethene	ug/L	50	49.4	99	75-125	
Trichlorofluoromethane	ug/L	50	55.3	111	68-132	
Vinyl chloride	ug/L	50	62.0	124	62-132	
Xylene (Total)	ug/L	150	144	96	75-125	
1,2-Dichloroethane-d4 (S)	%			95	75-131	
4-Bromofluorobenzene (S)	%			87	75-125	
Dibromofluoromethane (S)	%			101	75-130	
Toluene-d8 (S)	%			90	75-125	

MATRIX SPIKE SAMPLE: 878800

Parameter	Units	10140887007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	50	54.8	110	72-133	
1,1,1-Trichloroethane	ug/L	ND	50	53.0	106	65-150	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	48.2	96	63-138	
1,1,2-Trichloroethane	ug/L	ND	50	48.8	98	68-131	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	50	54.7	109	47-150	
1,1-Dichloroethane	ug/L	ND	50	51.4	103	71-131	
1,1-Dichloroethene	ug/L	ND	50	52.0	104	66-145	
1,1-Dichloropropene	ug/L	ND	50	52.3	105	62-144	
1,2,3-Trichlorobenzene	ug/L	ND	50	51.5	103	66-139	
1,2,3-Trichloropropane	ug/L	ND	50	49.6	99	61-139	
1,2,4-Trichlorobenzene	ug/L	ND	50	45.9	92	68-139	
1,2,4-Trimethylbenzene	ug/L	ND	50	50.9	102	69-130	
1,2-Dibromo-3-chloropropane	ug/L	ND	50	48.2	96	53-150	
1,2-Dibromoethane (EDB)	ug/L	ND	50	49.3	99	69-133	
1,2-Dichlorobenzene	ug/L	ND	50	52.5	105	72-131	
1,2-Dichloroethane	ug/L	ND	50	51.0	102	62-148	
1,2-Dichloropropane	ug/L	ND	50	49.8	100	74-128	
1,3,5-Trimethylbenzene	ug/L	ND	50	52.4	105	65-134	
1,3-Dichlorobenzene	ug/L	ND	50	51.8	104	73-130	
1,3-Dichloropropane	ug/L	ND	50	48.5	97	71-130	
1,4-Dichlorobenzene	ug/L	ND	50	51.3	103	71-132	
2,2-Dichloropropane	ug/L	ND	50	49.3	99	50-150	
2-Butanone (MEK)	ug/L	ND	50	48.2	96	46-140	
2-Chlorotoluene	ug/L	ND	50	50.0	100	74-131	
4-Chlorotoluene	ug/L	ND	50	49.9	100	70-139	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	50	43.6	87	59-145	
Acetone	ug/L	ND	125	118	94	36-126	
Allyl chloride	ug/L	ND	50	48.5	97	50-148	
Benzene	ug/L	ND	50	52.1	104	70-133	

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QUALITY CONTROL DATA

Project: 60154982 SWL&P SUPERIOR MGP
Pace Project No.: 10141316

MATRIX SPIKE SAMPLE: 878800

Parameter	Units	10140887007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Bromobenzene	ug/L	ND	50	52.1	104	72-129	
Bromochloromethane	ug/L	ND	50	54.7	109	69-137	
Bromodichloromethane	ug/L	ND	50	52.0	104	73-134	
Bromoform	ug/L	ND	50	48.7	97	56-144	
Bromomethane	ug/L	ND	50	60.1	120	30-150	
Carbon tetrachloride	ug/L	ND	50	56.2	112	55-150	
Chlorobenzene	ug/L	ND	50	51.7	103	71-132	
Chloroethane	ug/L	ND	50	60.3	121	50-150	
Chloroform	ug/L	ND	50	50.6	101	68-138	
Chloromethane	ug/L	ND	50	56.0	112	61-148	
cis-1,2-Dichloroethene	ug/L	ND	50	51.2	102	68-135	
cis-1,3-Dichloropropene	ug/L	ND	50	44.5	89	70-134	
Dibromochloromethane	ug/L	ND	50	53.0	106	67-135	
Dibromomethane	ug/L	ND	50	48.8	98	74-130	
Dichlorodifluoromethane	ug/L	ND	50	75.0	150	44-150	
Dichlorofluoromethane	ug/L	ND	50	53.1	106	67-145	
Diethyl ether (Ethyl ether)	ug/L	ND	50	48.1	96	69-132	
Ethylbenzene	ug/L	ND	50	53.9	108	66-133	
Hexachloro-1,3-butadiene	ug/L	ND	25	23.8	95	59-150	
Isopropylbenzene (Cumene)	ug/L	ND	50	55.9	112	71-140	
m&p-Xylene	ug/L	ND	100	97.5	97	63-130	
Methyl-tert-butyl ether	ug/L	ND	50	49.6	99	62-143	
Methylene Chloride	ug/L	ND	50	46.3	93	69-126	
n-Butylbenzene	ug/L	ND	50	44.9	90	73-140	
n-Propylbenzene	ug/L	ND	50	52.9	106	71-136	
Naphthalene	ug/L	ND	50	47.2	94	55-147	
o-Xylene	ug/L	ND	50	52.7	105	66-132	
p-Isopropyltoluene	ug/L	ND	50	52.4	105	69-138	
sec-Butylbenzene	ug/L	ND	50	54.1	108	73-140	
Styrene	ug/L	ND	50	45.4	91	68-138	
tert-Butylbenzene	ug/L	ND	50	53.2	106	70-138	
Tetrachloroethene	ug/L	ND	50	49.8	100	70-138	
Tetrahydrofuran	ug/L	ND	500	469	94	54-148	
Toluene	ug/L	ND	50	49.7	99	65-127	
trans-1,2-Dichloroethene	ug/L	ND	50	49.6	99	67-131	
trans-1,3-Dichloropropene	ug/L	ND	50	48.0	96	64-138	
Trichloroethene	ug/L	ND	50	52.9	105	70-133	
Trichlorofluoromethane	ug/L	ND	50	67.9	136	59-150	
Vinyl chloride	ug/L	ND	50	69.0	138	59-150	
Xylene (Total)	ug/L	ND	150	150	100	65-130	
1,2-Dichloroethane-d4 (S)	%				100	75-131	
4-Bromofluorobenzene (S)	%				91	75-125	
Dibromofluoromethane (S)	%				104	75-130	
Toluene-d8 (S)	%				92	75-125	

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QUALITY CONTROL DATA

Project: 60154982 SWL&P SUPERIOR MGP
Pace Project No.: 10141316

SAMPLE DUPLICATE: 878799

Parameter	Units	10140887004 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: 60154982 SWL&P SUPERIOR MGP
Pace Project No.: 10141316

SAMPLE DUPLICATE: 878799

Parameter	Units	10140887004 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	.53J		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)	%	96	102	6		
4-Bromofluorobenzene (S)	%	98	89	9		
Dibromofluoromethane (S)	%	107	106	.6		
Toluene-d8 (S)	%	90	90	.3		

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QUALITY CONTROL DATA

Project: 60154982 SWL&P SUPERIOR MGP
Pace Project No.: 10141316

QC Batch: MSV/15629 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 465 W
Associated Lab Samples: 10141316002, 10141316003, 10141316004, 10141316007, 10141316008, 10141316009, 10141316011

METHOD BLANK: 879385 Matrix: Water
Associated Lab Samples: 10141316002, 10141316003, 10141316004, 10141316007, 10141316008, 10141316009, 10141316011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	10/27/10 02:00	
1,1,1-Trichloroethane	ug/L	ND	1.0	10/27/10 02:00	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	10/27/10 02:00	
1,1,2-Trichloroethane	ug/L	ND	1.0	10/27/10 02:00	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	1.0	10/27/10 02:00	
1,1-Dichloroethane	ug/L	ND	1.0	10/27/10 02:00	
1,1-Dichloroethene	ug/L	ND	1.0	10/27/10 02:00	
1,1-Dichloropropene	ug/L	ND	1.0	10/27/10 02:00	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	10/27/10 02:00	
1,2,3-Trichloropropane	ug/L	ND	1.0	10/27/10 02:00	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	10/27/10 02:00	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	10/27/10 02:00	
1,2-Dibromo-3-chloropropane	ug/L	ND	4.0	10/27/10 02:00	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	10/27/10 02:00	
1,2-Dichlorobenzene	ug/L	ND	1.0	10/27/10 02:00	
1,2-Dichloroethane	ug/L	ND	1.0	10/27/10 02:00	
1,2-Dichloropropane	ug/L	ND	1.0	10/27/10 02:00	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	10/27/10 02:00	
1,3-Dichlorobenzene	ug/L	ND	1.0	10/27/10 02:00	
1,3-Dichloropropane	ug/L	ND	1.0	10/27/10 02:00	
1,4-Dichlorobenzene	ug/L	ND	1.0	10/27/10 02:00	
2,2-Dichloropropane	ug/L	ND	4.0	10/27/10 02:00	
2-Butanone (MEK)	ug/L	ND	4.0	10/27/10 02:00	
2-Chlorotoluene	ug/L	ND	1.0	10/27/10 02:00	
4-Chlorotoluene	ug/L	ND	1.0	10/27/10 02:00	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	4.0	10/27/10 02:00	
Acetone	ug/L	ND	10.0	10/27/10 02:00	
Allyl chloride	ug/L	ND	4.0	10/27/10 02:00	
Benzene	ug/L	ND	1.0	10/27/10 02:00	
Bromobenzene	ug/L	ND	1.0	10/27/10 02:00	
Bromochloromethane	ug/L	ND	1.0	10/27/10 02:00	
Bromodichloromethane	ug/L	ND	1.0	10/27/10 02:00	
Bromoform	ug/L	ND	8.0	10/27/10 02:00	
Bromomethane	ug/L	ND	4.0	10/27/10 02:00	
Carbon tetrachloride	ug/L	ND	4.0	10/27/10 02:00	
Chlorobenzene	ug/L	ND	1.0	10/27/10 02:00	
Chloroethane	ug/L	ND	1.0	10/27/10 02:00	
Chloroform	ug/L	ND	1.0	10/27/10 02:00	
Chloromethane	ug/L	ND	4.0	10/27/10 02:00	
cis-1,2-Dichloroethene	ug/L	ND	1.0	10/27/10 02:00	
cis-1,3-Dichloropropene	ug/L	ND	4.0	10/27/10 02:00	
Dibromochloromethane	ug/L	ND	1.0	10/27/10 02:00	
Dibromomethane	ug/L	ND	4.0	10/27/10 02:00	

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QUALITY CONTROL DATA

Project: 60154982 SWL&P SUPERIOR MGP
Pace Project No.: 10141316

METHOD BLANK: 879385 Matrix: Water

Associated Lab Samples: 10141316002, 10141316003, 10141316004, 10141316007, 10141316008, 10141316009, 10141316011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dichlorodifluoromethane	ug/L	ND	1.0	10/27/10 02:00	
Dichlorofluoromethane	ug/L	ND	1.0	10/27/10 02:00	
Diethyl ether (Ethyl ether)	ug/L	ND	4.0	10/27/10 02:00	
Ethylbenzene	ug/L	ND	1.0	10/27/10 02:00	
Hexachloro-1,3-butadiene	ug/L	ND	4.0	10/27/10 02:00	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	10/27/10 02:00	
m&p-Xylene	ug/L	ND	2.0	10/27/10 02:00	
Methyl-tert-butyl ether	ug/L	ND	1.0	10/27/10 02:00	
Methylene Chloride	ug/L	ND	4.0	10/27/10 02:00	
n-Butylbenzene	ug/L	ND	1.0	10/27/10 02:00	
n-Propylbenzene	ug/L	ND	1.0	10/27/10 02:00	
Naphthalene	ug/L	ND	4.0	10/27/10 02:00	
o-Xylene	ug/L	ND	1.0	10/27/10 02:00	
p-Isopropyltoluene	ug/L	ND	1.0	10/27/10 02:00	
sec-Butylbenzene	ug/L	ND	1.0	10/27/10 02:00	
Styrene	ug/L	ND	1.0	10/27/10 02:00	
tert-Butylbenzene	ug/L	ND	1.0	10/27/10 02:00	
Tetrachloroethene	ug/L	ND	1.0	10/27/10 02:00	
Tetrahydrofuran	ug/L	ND	10.0	10/27/10 02:00	
Toluene	ug/L	ND	1.0	10/27/10 02:00	
trans-1,2-Dichloroethene	ug/L	ND	1.0	10/27/10 02:00	
trans-1,3-Dichloropropene	ug/L	ND	4.0	10/27/10 02:00	
Trichloroethene	ug/L	ND	1.0	10/27/10 02:00	
Trichlorofluoromethane	ug/L	ND	1.0	10/27/10 02:00	
Vinyl chloride	ug/L	ND	0.40	10/27/10 02:00	
Xylene (Total)	ug/L	ND	3.0	10/27/10 02:00	
1,2-Dichloroethane-d4 (S)	%	108	75-131	10/27/10 02:00	
4-Bromofluorobenzene (S)	%	100	75-125	10/27/10 02:00	
Dibromofluoromethane (S)	%	107	75-130	10/27/10 02:00	
Toluene-d8 (S)	%	95	75-125	10/27/10 02:00	

LABORATORY CONTROL SAMPLE: 879386

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	53.5	107	75-125	
1,1,1-Trichloroethane	ug/L	50	53.9	108	68-130	
1,1,2,2-Tetrachloroethane	ug/L	50	53.9	108	71-125	
1,1,2-Trichloroethane	ug/L	50	53.7	107	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	50	45.7	91	60-141	
1,1-Dichloroethane	ug/L	50	51.5	103	75-125	
1,1-Dichloroethene	ug/L	50	50.0	100	69-125	
1,1-Dichloropropene	ug/L	50	50.7	101	69-125	
1,2,3-Trichlorobenzene	ug/L	50	54.8	110	72-129	
1,2,3-Trichloropropane	ug/L	50	55.7	111	69-127	
1,2,4-Trichlorobenzene	ug/L	50	52.6	105	75-125	

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QUALITY CONTROL DATA

Project: 60154982 SWL&P SUPERIOR MGP
Pace Project No.: 10141316

LABORATORY CONTROL SAMPLE: 879386

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trimethylbenzene	ug/L	50	52.5	105	75-125	
1,2-Dibromo-3-chloropropane	ug/L	50	55.4	111	64-135	
1,2-Dibromoethane (EDB)	ug/L	50	53.3	107	75-126	
1,2-Dichlorobenzene	ug/L	50	51.9	104	75-125	
1,2-Dichloroethane	ug/L	50	58.2	116	75-125	
1,2-Dichloropropane	ug/L	50	54.1	108	75-125	
1,3,5-Trimethylbenzene	ug/L	50	51.8	104	75-125	
1,3-Dichlorobenzene	ug/L	50	50.8	102	75-125	
1,3-Dichloropropane	ug/L	50	54.3	109	75-125	
1,4-Dichlorobenzene	ug/L	50	51.8	104	75-125	
2,2-Dichloropropane	ug/L	50	49.9	100	54-149	
2-Butanone (MEK)	ug/L	50	64.7	129	55-140	
2-Chlorotoluene	ug/L	50	51.6	103	75-125	
4-Chlorotoluene	ug/L	50	51.9	104	75-125	
4-Methyl-2-pentanone (MIBK)	ug/L	50	53.8	108	65-132	
Acetone	ug/L	125	164	132	36-126	L3
Allyl chloride	ug/L	50	50.9	102	64-137	
Benzene	ug/L	50	52.1	104	75-125	
Bromobenzene	ug/L	50	52.5	105	75-125	
Bromochloromethane	ug/L	50	54.1	108	75-125	
Bromodichloromethane	ug/L	50	53.4	107	75-125	
Bromoform	ug/L	50	55.2	110	72-131	
Bromomethane	ug/L	50	47.4	95	30-150	
Carbon tetrachloride	ug/L	50	50.4	101	61-140	
Chlorobenzene	ug/L	50	52.5	105	75-125	
Chloroethane	ug/L	50	55.1	110	56-137	
Chloroform	ug/L	50	53.5	107	75-125	
Chloromethane	ug/L	50	56.7	113	62-128	
cis-1,2-Dichloroethene	ug/L	50	54.1	108	75-125	
cis-1,3-Dichloropropene	ug/L	50	54.7	109	75-125	
Dibromochloromethane	ug/L	50	53.2	106	75-125	
Dibromomethane	ug/L	50	56.1	112	75-125	
Dichlorodifluoromethane	ug/L	50	54.5	109	54-141	
Dichlorofluoromethane	ug/L	50	52.9	106	70-128	
Diethyl ether (Ethyl ether)	ug/L	50	55.1	110	75-125	
Ethylbenzene	ug/L	50	52.2	104	75-125	
Hexachloro-1,3-butadiene	ug/L	25	24.1	97	68-133	
Isopropylbenzene (Cumene)	ug/L	50	53.0	106	75-125	
m&p-Xylene	ug/L	100	105	105	75-125	
Methyl-tert-butyl ether	ug/L	50	54.8	110	73-132	
Methylene Chloride	ug/L	50	51.6	103	74-125	
n-Butylbenzene	ug/L	50	50.8	102	75-125	
n-Propylbenzene	ug/L	50	51.3	103	75-125	
Naphthalene	ug/L	50	49.6	99	69-130	
o-Xylene	ug/L	50	53.4	107	75-125	
p-Isopropyltoluene	ug/L	50	51.2	102	75-125	
sec-Butylbenzene	ug/L	50	49.9	100	75-125	
Styrene	ug/L	50	53.9	108	75-125	

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QUALITY CONTROL DATA

Project: 60154982 SWL&P SUPERIOR MGP
Pace Project No.: 10141316

LABORATORY CONTROL SAMPLE: 879386

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
tert-Butylbenzene	ug/L	50	50.1	100	73-125	
Tetrachloroethene	ug/L	50	48.7	97	72-125	
Tetrahydrofuran	ug/L	500	540	108	64-135	
Toluene	ug/L	50	50.7	101	75-125	
trans-1,2-Dichloroethene	ug/L	50	49.5	99	70-125	
trans-1,3-Dichloropropene	ug/L	50	55.6	111	75-125	
Trichloroethene	ug/L	50	51.1	102	75-125	
Trichlorofluoromethane	ug/L	50	52.2	104	68-132	
Vinyl chloride	ug/L	50	56.5	113	62-132	
Xylene (Total)	ug/L	150	158	106	75-125	
1,2-Dichloroethane-d4 (S)	%			102	75-131	
4-Bromofluorobenzene (S)	%			98	75-125	
Dibromofluoromethane (S)	%			102	75-130	
Toluene-d8 (S)	%			99	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 879442 879443

Parameter	Units	10140787003 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	250	250	263	265	105	106	72-133	.9	30	
1,1,1-Trichloroethane	ug/L	374	250	250	584	558	84	74	65-150	5	30	
1,1,2,2-Tetrachloroethane	ug/L	ND	250	250	260	272	104	109	63-138	5	30	
1,1,2-Trichloroethane	ug/L	ND	250	250	266	268	107	107	68-131	.4	30	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	250	250	261	236	104	94	47-150	10	30	
1,1-Dichloroethane	ug/L	ND	250	250	259	249	103	100	71-131	4	30	
1,1-Dichloroethene	ug/L	32.2	250	250	291	273	104	96	66-145	7	30	
1,1-Dichloropropene	ug/L	ND	250	250	271	258	108	103	62-144	5	30	
1,2,3-Trichlorobenzene	ug/L	ND	250	250	267	273	107	109	66-139	2	30	
1,2,3-Trichloropropane	ug/L	ND	250	250	271	272	108	109	61-139	.6	30	
1,2,4-Trichlorobenzene	ug/L	ND	250	250	261	262	104	105	68-139	.7	30	
1,2,4-Trimethylbenzene	ug/L	ND	250	250	264	265	105	106	69-130	.6	30	
1,2-Dibromo-3-chloropropane	ug/L	ND	250	250	276	288	110	115	53-150	4	30	
1,2-Dibromoethane (EDB)	ug/L	ND	250	250	266	264	106	106	69-133	.6	30	
1,2-Dichlorobenzene	ug/L	ND	250	250	253	256	101	102	72-131	1	30	
1,2-Dichloroethane	ug/L	ND	250	250	285	281	114	113	62-148	1	30	
1,2-Dichloropropane	ug/L	ND	250	250	266	268	106	107	74-128	.7	30	
1,3,5-Trimethylbenzene	ug/L	ND	250	250	259	260	104	104	65-134	.4	30	
1,3-Dichlorobenzene	ug/L	ND	250	250	247	251	99	101	73-130	2	30	
1,3-Dichloropropane	ug/L	ND	250	250	266	271	106	108	71-130	2	30	
1,4-Dichlorobenzene	ug/L	ND	250	250	257	259	103	104	71-132	.9	30	
2,2-Dichloropropane	ug/L	ND	250	250	257	246	103	98	50-150	5	30	
2-Butanone (MEK)	ug/L	ND	250	250	297	296	119	118	46-140	.3	30	
2-Chlorotoluene	ug/L	ND	250	250	257	255	103	102	74-131	1	30	
4-Chlorotoluene	ug/L	ND	250	250	258	260	103	104	70-139	.9	30	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	250	271	264	108	106	59-145	3	30	
Acetone	ug/L	ND	625	625	644	620	103	99	36-126	4	30	
Allyl chloride	ug/L	ND	250	250	252	222	101	89	50-148	13	30	

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QUALITY CONTROL DATA

Project: 60154982 SWL&P SUPERIOR MGP
Pace Project No.: 10141316

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 879442 879443

Parameter	Units	10140787003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	ND	250	250	262	257	105	103	70-133	2	30	
Bromobenzene	ug/L	ND	250	250	257	263	103	105	72-129	2	30	
Bromochloromethane	ug/L	ND	250	250	265	261	106	104	69-137	1	30	
Bromodichloromethane	ug/L	ND	250	250	264	264	105	106	73-134	.3	30	
Bromoform	ug/L	ND	250	250	267	270	107	108	56-144	.8	30	
Bromomethane	ug/L	ND	250	250	245	236	98	94	30-150	4	30	
Carbon tetrachloride	ug/L	ND	250	250	270	251	108	101	55-150	7	30	
Chlorobenzene	ug/L	ND	250	250	260	263	104	105	71-132	1	30	
Chloroethane	ug/L	ND	250	250	288	269	115	108	50-150	7	30	
Chloroform	ug/L	ND	250	250	266	262	107	105	68-138	2	30	
Chloromethane	ug/L	ND	250	250	290	263	116	105	61-148	10	30	
cis-1,2-Dichloroethene	ug/L	ND	250	250	267	269	107	108	68-135	.7	30	
cis-1,3-Dichloropropene	ug/L	ND	250	250	263	255	105	102	70-134	3	30	
Dibromochloromethane	ug/L	ND	250	250	262	261	105	104	67-135	.4	30	
Dibromomethane	ug/L	ND	250	250	272	278	109	111	74-130	2	30	
Dichlorodifluoromethane	ug/L	ND	250	250	307	280	123	112	44-150	9	30	
Dichlorofluoromethane	ug/L	ND	250	250	271	258	108	103	67-145	5	30	
Diethyl ether (Ethyl ether)	ug/L	ND	250	250	270	266	108	107	69-132	1	30	
Ethylbenzene	ug/L	ND	250	250	261	262	105	105	66-133	.3	30	
Hexachloro-1,3-butadiene	ug/L	ND	125	125	124	121	99	97	59-150	2	30	
Isopropylbenzene (Cumene)	ug/L	ND	250	250	269	266	107	106	71-140	1	30	
m&p-Xylene	ug/L	ND	500	500	527	528	105	106	63-130	.08	30	
Methyl-tert-butyl ether	ug/L	ND	250	250	267	266	107	106	62-143	.4	30	
Methylene Chloride	ug/L	ND	250	250	253	251	101	100	69-126	1	30	
n-Butylbenzene	ug/L	ND	250	250	259	259	104	103	73-140	.3	30	
n-Propylbenzene	ug/L	ND	250	250	261	261	104	104	71-136	.004	30	
Naphthalene	ug/L	ND	250	250	244	250	98	100	55-147	2	30	
o-Xylene	ug/L	ND	250	250	267	264	107	106	66-132	1	30	
p-Isopropyltoluene	ug/L	ND	250	250	260	258	104	103	69-138	.9	30	
sec-Butylbenzene	ug/L	ND	250	250	256	262	102	105	73-140	2	30	
Styrene	ug/L	ND	250	250	266	266	107	106	68-138	.08	30	
tert-Butylbenzene	ug/L	ND	250	250	255	258	102	103	70-138	.9	30	
Tetrachloroethene	ug/L	ND	250	250	257	252	101	99	70-138	2	30	
Tetrahydrofuran	ug/L	ND	2500	2500	2620	2650	105	106	54-148	1	30	
Toluene	ug/L	ND	250	250	255	252	102	101	65-127	1	30	
trans-1,2-Dichloroethene	ug/L	ND	250	250	255	242	102	97	67-131	5	30	
trans-1,3-Dichloropropene	ug/L	ND	250	250	270	269	108	108	64-138	.2	30	
Trichloroethene	ug/L	389	250	250	611	593	89	82	70-133	3	30	
Trichlorofluoromethane	ug/L	ND	250	250	286	263	114	105	59-150	8	30	
Vinyl chloride	ug/L	ND	250	250	301	285	121	114	59-150	6	30	
Xylene (Total)	ug/L	ND	750	750	794	792	106	106	65-130	.3	30	
1,2-Dichloroethane-d4 (S)	%						104	98	75-131			
4-Bromofluorobenzene (S)	%						98	103	75-125			
Dibromofluoromethane (S)	%						97	94	75-130			
Toluene-d8 (S)	%						98	99	75-125			

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QUALITY CONTROL DATA

Project: 60154982 SWL&P SUPERIOR MGP
Pace Project No.: 10141316

QC Batch: MSV/15638 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 465 W
Associated Lab Samples: 10141316010

METHOD BLANK: 880109 Matrix: Water
Associated Lab Samples: 10141316010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	10/28/10 00:54	
1,1,1-Trichloroethane	ug/L	ND	1.0	10/28/10 00:54	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	10/28/10 00:54	
1,1,2-Trichloroethane	ug/L	ND	1.0	10/28/10 00:54	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	1.0	10/28/10 00:54	
1,1-Dichloroethane	ug/L	ND	1.0	10/28/10 00:54	
1,1-Dichloroethene	ug/L	ND	1.0	10/28/10 00:54	
1,1-Dichloropropene	ug/L	ND	1.0	10/28/10 00:54	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	10/28/10 00:54	
1,2,3-Trichloropropane	ug/L	ND	1.0	10/28/10 00:54	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	10/28/10 00:54	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	10/28/10 00:54	
1,2-Dibromo-3-chloropropane	ug/L	ND	4.0	10/28/10 00:54	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	10/28/10 00:54	
1,2-Dichlorobenzene	ug/L	ND	1.0	10/28/10 00:54	
1,2-Dichloroethane	ug/L	ND	1.0	10/28/10 00:54	
1,2-Dichloropropane	ug/L	ND	1.0	10/28/10 00:54	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	10/28/10 00:54	
1,3-Dichlorobenzene	ug/L	ND	1.0	10/28/10 00:54	
1,3-Dichloropropane	ug/L	ND	1.0	10/28/10 00:54	
1,4-Dichlorobenzene	ug/L	ND	1.0	10/28/10 00:54	
2,2-Dichloropropane	ug/L	ND	4.0	10/28/10 00:54	
2-Butanone (MEK)	ug/L	ND	4.0	10/28/10 00:54	
2-Chlorotoluene	ug/L	ND	1.0	10/28/10 00:54	
4-Chlorotoluene	ug/L	ND	1.0	10/28/10 00:54	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	4.0	10/28/10 00:54	
Acetone	ug/L	ND	10.0	10/28/10 00:54	
Allyl chloride	ug/L	ND	4.0	10/28/10 00:54	
Benzene	ug/L	ND	1.0	10/28/10 00:54	
Bromobenzene	ug/L	ND	1.0	10/28/10 00:54	
Bromochloromethane	ug/L	ND	1.0	10/28/10 00:54	
Bromodichloromethane	ug/L	ND	1.0	10/28/10 00:54	
Bromoform	ug/L	ND	8.0	10/28/10 00:54	
Bromomethane	ug/L	ND	4.0	10/28/10 00:54	
Carbon tetrachloride	ug/L	ND	4.0	10/28/10 00:54	
Chlorobenzene	ug/L	ND	1.0	10/28/10 00:54	
Chloroethane	ug/L	ND	1.0	10/28/10 00:54	
Chloroform	ug/L	ND	1.0	10/28/10 00:54	
Chloromethane	ug/L	ND	4.0	10/28/10 00:54	
cis-1,2-Dichloroethene	ug/L	ND	1.0	10/28/10 00:54	
cis-1,3-Dichloropropene	ug/L	ND	4.0	10/28/10 00:54	
Dibromochloromethane	ug/L	ND	1.0	10/28/10 00:54	
Dibromomethane	ug/L	ND	4.0	10/28/10 00:54	

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QUALITY CONTROL DATA

Project: 60154982 SWL&P SUPERIOR MGP
Pace Project No.: 10141316

METHOD BLANK: 880109 Matrix: Water

Associated Lab Samples: 10141316010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dichlorodifluoromethane	ug/L	ND	1.0	10/28/10 00:54	
Dichlorofluoromethane	ug/L	ND	1.0	10/28/10 00:54	
Diethyl ether (Ethyl ether)	ug/L	ND	4.0	10/28/10 00:54	
Ethylbenzene	ug/L	ND	1.0	10/28/10 00:54	
Hexachloro-1,3-butadiene	ug/L	ND	4.0	10/28/10 00:54	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	10/28/10 00:54	
m&p-Xylene	ug/L	ND	2.0	10/28/10 00:54	
Methyl-tert-butyl ether	ug/L	ND	1.0	10/28/10 00:54	
Methylene Chloride	ug/L	ND	4.0	10/28/10 00:54	
n-Butylbenzene	ug/L	ND	1.0	10/28/10 00:54	
n-Propylbenzene	ug/L	ND	1.0	10/28/10 00:54	
Naphthalene	ug/L	ND	4.0	10/28/10 00:54	
o-Xylene	ug/L	ND	1.0	10/28/10 00:54	
p-Isopropyltoluene	ug/L	ND	1.0	10/28/10 00:54	
sec-Butylbenzene	ug/L	ND	1.0	10/28/10 00:54	
Styrene	ug/L	ND	1.0	10/28/10 00:54	
tert-Butylbenzene	ug/L	ND	1.0	10/28/10 00:54	
Tetrachloroethene	ug/L	ND	1.0	10/28/10 00:54	
Tetrahydrofuran	ug/L	ND	10.0	10/28/10 00:54	
Toluene	ug/L	ND	1.0	10/28/10 00:54	
trans-1,2-Dichloroethene	ug/L	ND	1.0	10/28/10 00:54	
trans-1,3-Dichloropropene	ug/L	ND	4.0	10/28/10 00:54	
Trichloroethene	ug/L	ND	1.0	10/28/10 00:54	
Trichlorofluoromethane	ug/L	ND	1.0	10/28/10 00:54	
Vinyl chloride	ug/L	ND	0.40	10/28/10 00:54	
Xylene (Total)	ug/L	ND	3.0	10/28/10 00:54	
1,2-Dichloroethane-d4 (S)	%	99	75-131	10/28/10 00:54	
4-Bromofluorobenzene (S)	%	98	75-125	10/28/10 00:54	
Dibromofluoromethane (S)	%	106	75-130	10/28/10 00:54	
Toluene-d8 (S)	%	95	75-125	10/28/10 00:54	

LABORATORY CONTROL SAMPLE: 880110

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	53.7	107	75-125	
1,1,1-Trichloroethane	ug/L	50	44.8	90	68-130	
1,1,2,2-Tetrachloroethane	ug/L	50	50.8	102	71-125	
1,1,2-Trichloroethane	ug/L	50	52.1	104	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	50	37.8	76	60-141	
1,1-Dichloroethane	ug/L	50	46.9	94	75-125	
1,1-Dichloroethene	ug/L	50	45.8	92	69-125	
1,1-Dichloropropene	ug/L	50	45.4	91	69-125	
1,2,3-Trichlorobenzene	ug/L	50	52.3	105	72-129	
1,2,3-Trichloropropane	ug/L	50	49.4	99	69-127	
1,2,4-Trichlorobenzene	ug/L	50	45.2	90	75-125	

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

QUALITY CONTROL DATA

Project: 60154982 SWL&P SUPERIOR MGP
Pace Project No.: 10141316

LABORATORY CONTROL SAMPLE: 880110

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trimethylbenzene	ug/L	50	49.1	98	75-125	
1,2-Dibromo-3-chloropropane	ug/L	50	48.4	97	64-135	
1,2-Dibromoethane (EDB)	ug/L	50	52.6	105	75-126	
1,2-Dichlorobenzene	ug/L	50	53.3	107	75-125	
1,2-Dichloroethane	ug/L	50	47.6	95	75-125	
1,2-Dichloropropane	ug/L	50	47.0	94	75-125	
1,3,5-Trimethylbenzene	ug/L	50	50.8	102	75-125	
1,3-Dichlorobenzene	ug/L	50	51.4	103	75-125	
1,3-Dichloropropane	ug/L	50	50.3	101	75-125	
1,4-Dichlorobenzene	ug/L	50	52.6	105	75-125	
2,2-Dichloropropane	ug/L	50	41.3	83	54-149	
2-Butanone (MEK)	ug/L	50	49.7	99	55-140	
2-Chlorotoluene	ug/L	50	48.3	97	75-125	
4-Chlorotoluene	ug/L	50	48.5	97	75-125	
4-Methyl-2-pentanone (MIBK)	ug/L	50	44.3	89	65-132	
Acetone	ug/L	125	117	94	36-126	
Allyl chloride	ug/L	50	46.3	93	64-137	
Benzene	ug/L	50	50.2	100	75-125	
Bromobenzene	ug/L	50	52.8	106	75-125	
Bromochloromethane	ug/L	50	56.6	113	75-125	
Bromodichloromethane	ug/L	50	48.7	97	75-125	
Bromoform	ug/L	50	49.5	99	72-131	
Bromomethane	ug/L	50	33.1	66	30-150	
Carbon tetrachloride	ug/L	50	45.8	92	61-140	
Chlorobenzene	ug/L	50	51.3	103	75-125	
Chloroethane	ug/L	50	49.7	99	56-137	
Chloroform	ug/L	50	46.0	92	75-125	
Chloromethane	ug/L	50	48.8	98	62-128	
cis-1,2-Dichloroethene	ug/L	50	48.9	98	75-125	
cis-1,3-Dichloropropene	ug/L	50	45.1	90	75-125	
Dibromochloromethane	ug/L	50	53.0	106	75-125	
Dibromomethane	ug/L	50	48.4	97	75-125	
Dichlorodifluoromethane	ug/L	50	47.2	94	54-141	
Dichlorofluoromethane	ug/L	50	47.5	95	70-128	
Diethyl ether (Ethyl ether)	ug/L	50	48.9	98	75-125	
Ethylbenzene	ug/L	50	52.0	104	75-125	
Hexachloro-1,3-butadiene	ug/L	25	21.0	84	68-133	
Isopropylbenzene (Cumene)	ug/L	50	52.5	105	75-125	
m&p-Xylene	ug/L	100	96.2	96	75-125	
Methyl-tert-butyl ether	ug/L	50	46.8	94	73-132	
Methylene Chloride	ug/L	50	47.4	95	74-125	
n-Butylbenzene	ug/L	50	41.6	83	75-125	
n-Propylbenzene	ug/L	50	49.8	100	75-125	
Naphthalene	ug/L	50	46.4	93	69-130	
o-Xylene	ug/L	50	51.0	102	75-125	
p-Isopropyltoluene	ug/L	50	48.6	97	75-125	
sec-Butylbenzene	ug/L	50	49.8	100	75-125	
Styrene	ug/L	50	45.6	91	75-125	

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QUALITY CONTROL DATA

Project: 60154982 SWL&P SUPERIOR MGP
Pace Project No.: 10141316

LABORATORY CONTROL SAMPLE: 880110

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
tert-Butylbenzene	ug/L	50	48.6	97	73-125	
Tetrachloroethene	ug/L	50	46.9	94	72-125	
Tetrahydrofuran	ug/L	500	485	97	64-135	
Toluene	ug/L	50	49.1	98	75-125	
trans-1,2-Dichloroethene	ug/L	50	47.9	96	70-125	
trans-1,3-Dichloropropene	ug/L	50	49.0	98	75-125	
Trichloroethene	ug/L	50	47.5	95	75-125	
Trichlorofluoromethane	ug/L	50	45.6	91	68-132	
Vinyl chloride	ug/L	50	54.8	110	62-132	
Xylene (Total)	ug/L	150	147	98	75-125	
1,2-Dichloroethane-d4 (S)	%			98	75-131	
4-Bromofluorobenzene (S)	%			85	75-125	
Dibromofluoromethane (S)	%			104	75-130	
Toluene-d8 (S)	%			93	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 880111 880112

Parameter	Units	10141671002 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	50	50	58.8	58.7	118	117	72-133	.2	30	
1,1,1-Trichloroethane	ug/L	ND	50	50	54.8	54.7	110	109	65-150	.1	30	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	50	55.3	54.1	111	108	63-138	2	30	
1,1,2-Trichloroethane	ug/L	ND	50	50	56.1	54.8	112	110	68-131	2	30	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	50	50	59.5	58.8	119	118	47-150	1	30	
1,1-Dichloroethane	ug/L	ND	50	50	54.3	53.8	109	108	71-131	.9	30	
1,1-Dichloroethene	ug/L	ND	50	50	58.6	58.3	117	117	66-145	.6	30	
1,1-Dichloropropene	ug/L	ND	50	50	57.1	57.2	114	114	62-144	.06	30	
1,2,3-Trichlorobenzene	ug/L	ND	50	50	57.1	57.7	114	115	66-139	1	30	
1,2,3-Trichloropropane	ug/L	ND	50	50	56.0	53.9	112	108	61-139	4	30	
1,2,4-Trichlorobenzene	ug/L	ND	50	50	49.4	48.8	99	98	68-139	1	30	
1,2,4-Trimethylbenzene	ug/L	ND	50	50	57.1	56.7	114	113	69-130	.7	30	
1,2-Dibromo-3-chloropropane	ug/L	ND	50	50	51.0	53.1	102	106	53-150	4	30	
1,2-Dibromoethane (EDB)	ug/L	ND	50	50	54.2	54.5	108	109	69-133	.7	30	
1,2-Dichlorobenzene	ug/L	ND	50	50	57.8	58.3	116	117	72-131	.8	30	
1,2-Dichloroethane	ug/L	ND	50	50	51.9	51.1	104	102	62-148	1	30	
1,2-Dichloropropane	ug/L	ND	50	50	53.1	53.8	106	108	74-128	1	30	
1,3,5-Trimethylbenzene	ug/L	ND	50	50	58.8	59.6	118	119	65-134	1	30	
1,3-Dichlorobenzene	ug/L	ND	50	50	58.1	57.9	116	116	73-130	.5	30	
1,3-Dichloropropane	ug/L	ND	50	50	53.6	53.2	107	106	71-130	.7	30	
1,4-Dichlorobenzene	ug/L	ND	50	50	59.1	57.9	118	116	71-132	2	30	
2,2-Dichloropropane	ug/L	ND	50	50	49.9	49.2	100	98	50-150	1	30	
2-Butanone (MEK)	ug/L	ND	50	50	52.1	51.7	104	103	46-140	.8	30	
2-Chlorotoluene	ug/L	ND	50	50	56.1	56.0	112	112	74-131	.08	30	
4-Chlorotoluene	ug/L	ND	50	50	55.9	56.0	112	112	70-139	.08	30	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	50	50	49.4	49.3	99	99	59-145	.2	30	
Acetone	ug/L	ND	125	125	126	124	101	99	36-126	1	30	
Allyl chloride	ug/L	ND	50	50	55.9	54.4	112	109	50-148	3	30	

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QUALITY CONTROL DATA

Project: 60154982 SWL&P SUPERIOR MGP
Pace Project No.: 10141316

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 880111 880112

Parameter	Units	10141671002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	ND	50	50	58.4	57.5	116	114	70-133	2	30	
Bromobenzene	ug/L	ND	50	50	59.6	58.8	119	118	72-129	1	30	
Bromochloromethane	ug/L	ND	50	50	58.9	58.4	118	117	69-137	.9	30	
Bromodichloromethane	ug/L	ND	50	50	54.5	54.7	109	109	73-134	.4	30	
Bromoform	ug/L	ND	50	50	53.1	52.8	106	106	56-144	.7	30	
Bromomethane	ug/L	ND	50	50	41.2	44.8	82	90	30-150	8	30	
Carbon tetrachloride	ug/L	ND	50	50	59.3	59.4	119	119	55-150	.04	30	
Chlorobenzene	ug/L	ND	50	50	57.6	57.6	115	115	71-132	.01	30	
Chloroethane	ug/L	ND	50	50	58.8	60.7	118	121	50-150	3	30	
Chloroform	ug/L	ND	50	50	52.7	51.5	105	103	68-138	2	30	
Chloromethane	ug/L	ND	50	50	55.3	55.8	111	112	61-148	.8	30	
cis-1,2-Dichloroethene	ug/L	ND	50	50	56.5	54.5	113	109	68-135	4	30	
cis-1,3-Dichloropropene	ug/L	ND	50	50	46.9	47.0	94	94	70-134	.4	30	
Dibromochloromethane	ug/L	ND	50	50	57.9	58.1	116	116	67-135	.4	30	
Dibromomethane	ug/L	ND	50	50	51.5	52.5	103	105	74-130	2	30	
Dichlorodifluoromethane	ug/L	ND	50	50	75.8	74.5	152	149	44-150	2	30	M1
Dichlorofluoromethane	ug/L	ND	50	50	55.7	55.6	111	111	67-145	.1	30	
Diethyl ether (Ethyl ether)	ug/L	ND	50	50	52.1	52.4	104	105	69-132	.5	30	
Ethylbenzene	ug/L	ND	50	50	61.0	60.9	122	122	66-133	.3	30	
Hexachloro-1,3-butadiene	ug/L	ND	25	25	25.2	25.2	101	101	59-150	.3	30	
Isopropylbenzene (Cumene)	ug/L	ND	50	50	62.2	61.7	124	123	71-140	.8	30	
m&p-Xylene	ug/L	ND	100	100	111	110	111	110	63-130	1	30	
Methyl-tert-butyl ether	ug/L	ND	50	50	51.3	50.6	103	101	62-143	1	30	
Methylene Chloride	ug/L	ND	50	50	50.4	50.0	101	100	69-126	.9	30	
n-Butylbenzene	ug/L	ND	50	50	50.1	49.4	100	99	73-140	2	30	
n-Propylbenzene	ug/L	ND	50	50	60.1	59.6	120	119	71-136	.9	30	
Naphthalene	ug/L	ND	50	50	51.2	51.2	102	102	55-147	.03	30	
o-Xylene	ug/L	ND	50	50	58.3	58.4	117	117	66-132	.2	30	
p-Isopropyltoluene	ug/L	ND	50	50	58.6	58.9	117	118	69-138	.5	30	
sec-Butylbenzene	ug/L	ND	50	50	61.3	60.9	123	122	73-140	.7	30	
Styrene	ug/L	ND	50	50	51.0	50.3	102	101	68-138	1	30	
tert-Butylbenzene	ug/L	ND	50	50	58.6	59.1	117	118	70-138	.8	30	
Tetrachloroethene	ug/L	ND	50	50	57.6	56.2	115	112	70-138	2	30	
Tetrahydrofuran	ug/L	ND	500	500	535	518	107	104	54-148	3	30	
Toluene	ug/L	ND	50	50	56.3	56.4	112	112	65-127	.2	30	
trans-1,2-Dichloroethene	ug/L	ND	50	50	56.7	56.7	113	113	67-131	.01	30	
trans-1,3-Dichloropropene	ug/L	ND	50	50	53.3	52.9	107	106	64-138	.7	30	
Trichloroethene	ug/L	1.1	50	50	57.7	59.2	113	116	70-133	2	30	
Trichlorofluoromethane	ug/L	ND	50	50	64.8	64.8	130	130	59-150	.05	30	
Vinyl chloride	ug/L	ND	50	50	66.5	66.7	133	133	59-150	.3	30	
Xylene (Total)	ug/L	ND	150	150	169	168	113	112	65-130	.6	30	
1,2-Dichloroethane-d4 (S)	%						95	95	75-131			
4-Bromofluorobenzene (S)	%						85	84	75-125			
Dibromofluoromethane (S)	%						107	100	75-130			
Toluene-d8 (S)	%						92	92	75-125			

Pace Analytical Services, Inc.
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QUALIFIERS

Project: 60154982 SWL&P SUPERIOR MGP
Pace Project No.: 10141316

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

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

MDL - Adjusted Method Detection Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

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

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

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

BATCH QUALIFIERS

Batch: MSSV/5988

[M5]	A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

1M	Insufficient sample to re-extract.
C0	Result confirmed by second analysis.
HS	Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).
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.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
S0	Surrogate recovery outside laboratory control limits.

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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.

10141316

1151, 1152, 1149

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:	Page: 1 of 1
Company: AECOM	Report To: Bill Gregg	Attention: Chris Boehm Carlson	1444547
Address: 332 Minnesota St. E1000, St. Paul	Copy To: Chris Boehm Carlson	Company Name: AECOM	REGULATORY AGENCY
Email To: bill.gregg@aecom.com	Purchase Order No.:	Address: 161 Cheshire Ln. N., Suite 500	☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
Phone: 651-367-2328 Fax:	Project Name: SWL&P Superior MGP	Pace Quote Reference:	☐ UST ☐ RCRA ☐ OTHER
Requested Due Date/TAT: std.	Project Number: 60154982	Pace Project Manager: Carol Davy	Site Location STATE: WI
		Pace Profile #:	

48 of 50

ITEM #	Section D Required Client Information — SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	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 – VOA ONLY	NaOH	$Na_2S_2O_3$	Methanol	Other	Requested Analysis Filtered (Y/N)	Analysis Test: VOC 8260	Analysis Test: PAH 8270 SIM	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
	Matrix Codes: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT																	Y/N	N	N		
1	MW-6	WT	G	10/20/10	1000				5				X						X	X		001
2	MW-7				1035																	002
3	MW-8				1130																	003
4	MW-9				1210																	004
5	MW-15				1330																	005
6	MW-20				1400																	006
7	MW-10, MW-10 DUP				1500																	007 008
8	MW-11				1620																	009
9	MW-22 (8)			10/21/10	1000																	010
10																						011
11																						
12																						

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
(8) Changed to MW18 per email from Bill Gregg 10-22-10 CMD	William M Gregg/AECOM	10/21/10	1100	Stuart/Pace	10/22/10	950	4.8	Y	Y	Y

ORIGINAL

SAMPLER NAME AND SIGNATURE			
PRINT Name of SAMPLER:	Bill Gregg		
SIGNATURE of SAMPLER:	William M. Gregg	DATE Signed (MM/DD/YY):	10/21/10

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.

Carol Davy - Microsoft Office Outlook.lnk

From: "Gregg, Bill" <Bill.Gregg@aecom.com>
To: Carol Davy <cdavy@pacelabs.com>
Date: 10/22/2010 6:59 AM
Subject: Microsoft Office Outlook.lnk
CC: "Boehm, Chris" <Chris.Boehm@aecom.com>

Carol,

I made a mistake when sampling in Superior this week. I sampled the wrong well! I thought I was sampling MW-22, but I found out after I sent out the samples (and the extra jars) that I actually sampled well MW-18. Ooops.

The samples should arrive today via FED EX. Please correct the labels and chain of custody to read MW-18 instead of MW-22 for the sample collected on 10/21/10 at 1000.

I'll be out today, so I will follow up with you next Monday afternoon. I will probably come back next week to sample the right well!

Let me know if you have any questions.

Thanx,
Bill
Bill Gregg
Senior Program Manager
Environment
D 651.367.2328 M 952.412.8066
bill.gregg@aecom.com

332 Minnesota Street, Suite E1000
St. Paul, MN 55101
T 651.222.0841 F 651.222.8914

Sample Condition Upon Receipt

Pace Analytical

Client Name: Arcon Project # 10141316

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

Tracking #: 8641 0429 4386, 8735 2568 5251, 8641042 94397

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

Optional: Proj. Due Date: Proj. Name:

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

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

Cooler Temperature 2.9, 4.8 3.7 Biological Tissue is Frozen: Yes No

Date and initials of person examining contents: 10/22/10 SL

Temp should be above freezing to 6°C

		Comments:
Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes ☐No ☐N/A	6.
Rush Turn Around Time Requested:	☐Yes ☐No ☐N/A	7.
Sufficient Volume:	☑Yes ☐No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No ☐N/A	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
Containers Intact:	☑Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC:	☐Yes ☑No ☐N/A	12. 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
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes ☐No ☑N/A	Samp #
Exceptions: VOA, Coliform, TOC, Oil and Grease, WI-DRO (water)	☐Yes ☐No	Initial when completed: AH 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. 100410-4
Trip Blank Custody Seals Present	☑Yes ☐No ☐N/A	
Pace Trip Blank Lot # (if purchased):		

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____ **Date:** 10-22-10

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

Pace Analytical Services, Inc.
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November 05, 2010

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

RE: Project: 60154982 Superior Water Light
Pace Project No.: 10141917

Dear Bill Gregg:
Enclosed are the analytical results for sample(s) received by the laboratory on October 29, 2010. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

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

Sincerely,

Carol Davy

carol.davy@pacelabs.com
Project Manager

Enclosures

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CERTIFICATIONS

Project: 60154982 Superior Water Light
Pace Project No.: 10141917

Minnesota Certification IDs

1700 Elm Street SE Suite 200, Minneapolis, MN 55414
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: 60154982 Superior Water Light
Pace Project No.: 10141917

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10141917001	**MW-22**	Water	10/28/10 17:30	10/29/10 13:04
10141917002	**Trip Blank**	Water	10/28/10 00:00	10/29/10 13:04

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SAMPLE ANALYTE COUNT

Project: 60154982 Superior Water Light
Pace Project No.: 10141917

Lab ID	Sample ID	Method	Analysts	Analytes Reported
10141917001	**MW-22**	EPA 8270 by SIM	JRH	18
		EPA 8260	ECB	73
10141917002	**Trip Blank**	EPA 8260	ECB	73

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ANALYTICAL RESULTS

Project: 60154982 Superior Water Light
Pace Project No.: 10141917

Sample: MW-22 **Lab ID: 10141917001** Collected: 10/28/10 17:30 Received: 10/29/10 13:04 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510							
Acenaphthene	**0.10**	ug/L	0.040	1	11/02/10 08:15	11/04/10 14:34	83-32-9	
Acenaphthylene	ND	ug/L	0.040	1	11/02/10 08:15	11/04/10 14:34	208-96-8	
Anthracene	ND	ug/L	0.040	1	11/02/10 08:15	11/04/10 14:34	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.040	1	11/02/10 08:15	11/04/10 14:34	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.040	1	11/02/10 08:15	11/04/10 14:34	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.040	1	11/02/10 08:15	11/04/10 14:34	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.040	1	11/02/10 08:15	11/04/10 14:34	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.040	1	11/02/10 08:15	11/04/10 14:34	207-08-9	
Chrysene	ND	ug/L	0.040	1	11/02/10 08:15	11/04/10 14:34	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.040	1	11/02/10 08:15	11/04/10 14:34	53-70-3	
Fluoranthene	ND	ug/L	0.040	1	11/02/10 08:15	11/04/10 14:34	206-44-0	
Fluorene	ND	ug/L	0.040	1	11/02/10 08:15	11/04/10 14:34	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.040	1	11/02/10 08:15	11/04/10 14:34	193-39-5	
Naphthalene	**0.50**	ug/L	0.040	1	11/02/10 08:15	11/04/10 14:34	91-20-3	
Phenanthrene	**0.061**	ug/L	0.040	1	11/02/10 08:15	11/04/10 14:34	85-01-8	
Pyrene	ND	ug/L	0.040	1	11/02/10 08:15	11/04/10 14:34	129-00-0	
2-Fluorobiphenyl (S)	66	%	43-125	1	11/02/10 08:15	11/04/10 14:34	321-60-8	
Terphenyl-d14 (S)	84	%	34-136	1	11/02/10 08:15	11/04/10 14:34	1718-51-0	
8260 VOC	Analytical Method: EPA 8260							
Acetone	**140**	ug/L	10.0	1		11/02/10 13:37	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		11/02/10 13:37	107-05-1	
Benzene	**4.0**	ug/L	1.0	1		11/02/10 13:37	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		11/02/10 13:37	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		11/02/10 13:37	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		11/02/10 13:37	75-27-4	
Bromoform	ND	ug/L	8.0	1		11/02/10 13:37	75-25-2	
Bromomethane	ND	ug/L	4.0	1		11/02/10 13:37	74-83-9	
2-Butanone (MEK)	**8.8**	ug/L	4.0	1		11/02/10 13:37	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		11/02/10 13:37	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		11/02/10 13:37	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		11/02/10 13:37	98-06-6	
Carbon tetrachloride	ND	ug/L	4.0	1		11/02/10 13:37	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		11/02/10 13:37	108-90-7	
Chloroethane	ND	ug/L	1.0	1		11/02/10 13:37	75-00-3	
Chloroform	ND	ug/L	1.0	1		11/02/10 13:37	67-66-3	
Chloromethane	ND	ug/L	4.0	1		11/02/10 13:37	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		11/02/10 13:37	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		11/02/10 13:37	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		11/02/10 13:37	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		11/02/10 13:37	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		11/02/10 13:37	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		11/02/10 13:37	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		11/02/10 13:37	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		11/02/10 13:37	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		11/02/10 13:37	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		11/02/10 13:37	75-71-8	

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ANALYTICAL RESULTS

Project: 60154982 Superior Water Light
Pace Project No.: 10141917

Sample: MW-22 **Lab ID: 10141917001** Collected: 10/28/10 17:30 Received: 10/29/10 13:04 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
1,1-Dichloroethane	ND	ug/L	1.0	1		11/02/10 13:37	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		11/02/10 13:37	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		11/02/10 13:37	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		11/02/10 13:37	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		11/02/10 13:37	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		11/02/10 13:37	75-43-4	
1,2-Dichloropropane	ND	ug/L	1.0	1		11/02/10 13:37	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		11/02/10 13:37	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		11/02/10 13:37	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		11/02/10 13:37	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		11/02/10 13:37	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		11/02/10 13:37	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		11/02/10 13:37	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		11/02/10 13:37	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	4.0	1		11/02/10 13:37	87-68-3	
Isopropylbenzene (Cumene)	**1.1**	ug/L	1.0	1		11/02/10 13:37	98-82-8	
p-Isopropyltoluene	**1.4**	ug/L	1.0	1		11/02/10 13:37	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		11/02/10 13:37	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	4.0	1		11/02/10 13:37	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		11/02/10 13:37	1634-04-4	
Naphthalene	ND	ug/L	4.0	1		11/02/10 13:37	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		11/02/10 13:37	103-65-1	
Styrene	ND	ug/L	1.0	1		11/02/10 13:37	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		11/02/10 13:37	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		11/02/10 13:37	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		11/02/10 13:37	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		11/02/10 13:37	109-99-9	
Toluene	**1.3**	ug/L	1.0	1		11/02/10 13:37	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		11/02/10 13:37	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		11/02/10 13:37	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		11/02/10 13:37	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		11/02/10 13:37	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		11/02/10 13:37	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		11/02/10 13:37	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		11/02/10 13:37	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		11/02/10 13:37	76-13-1	
1,2,4-Trimethylbenzene	**7.7**	ug/L	1.0	1		11/02/10 13:37	95-63-6	
1,3,5-Trimethylbenzene	**4.4**	ug/L	1.0	1		11/02/10 13:37	108-67-8	
Vinyl chloride	ND	ug/L	0.40	1		11/02/10 13:37	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		11/02/10 13:37	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		11/02/10 13:37	1330-20-7	
o-Xylene	**1.8**	ug/L	1.0	1		11/02/10 13:37	95-47-6	
Dibromofluoromethane (S)	106	%	75-130	1		11/02/10 13:37	1868-53-7	
1,2-Dichloroethane-d4 (S)	114	%	75-131	1		11/02/10 13:37	17060-07-0	
Toluene-d8 (S)	94	%	75-125	1		11/02/10 13:37	2037-26-5	
4-Bromofluorobenzene (S)	92	%	75-125	1		11/02/10 13:37	460-00-4	

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ANALYTICAL RESULTS

Project: 60154982 Superior Water Light
Pace Project No.: 10141917

Sample: Trip Blank **Lab ID: 10141917002** Collected: 10/28/10 00:00 Received: 10/29/10 13:04 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
Acetone	ND	ug/L	10.0	1		11/01/10 12:29	67-64-1	L3
Allyl chloride	ND	ug/L	4.0	1		11/01/10 12:29	107-05-1	
Benzene	ND	ug/L	1.0	1		11/01/10 12:29	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		11/01/10 12:29	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		11/01/10 12:29	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		11/01/10 12:29	75-27-4	
Bromoform	ND	ug/L	8.0	1		11/01/10 12:29	75-25-2	
Bromomethane	ND	ug/L	4.0	1		11/01/10 12:29	74-83-9	
2-Butanone (MEK)	ND	ug/L	4.0	1		11/01/10 12:29	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		11/01/10 12:29	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		11/01/10 12:29	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		11/01/10 12:29	98-06-6	
Carbon tetrachloride	ND	ug/L	4.0	1		11/01/10 12:29	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		11/01/10 12:29	108-90-7	
Chloroethane	ND	ug/L	1.0	1		11/01/10 12:29	75-00-3	
Chloroform	ND	ug/L	1.0	1		11/01/10 12:29	67-66-3	
Chloromethane	ND	ug/L	4.0	1		11/01/10 12:29	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		11/01/10 12:29	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		11/01/10 12:29	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		11/01/10 12:29	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		11/01/10 12:29	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		11/01/10 12:29	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		11/01/10 12:29	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		11/01/10 12:29	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		11/01/10 12:29	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		11/01/10 12:29	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		11/01/10 12:29	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		11/01/10 12:29	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		11/01/10 12:29	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		11/01/10 12:29	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		11/01/10 12:29	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		11/01/10 12:29	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		11/01/10 12:29	75-43-4	
1,2-Dichloropropane	ND	ug/L	1.0	1		11/01/10 12:29	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		11/01/10 12:29	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		11/01/10 12:29	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		11/01/10 12:29	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		11/01/10 12:29	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		11/01/10 12:29	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		11/01/10 12:29	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		11/01/10 12:29	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	4.0	1		11/01/10 12:29	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		11/01/10 12:29	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		11/01/10 12:29	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		11/01/10 12:29	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	4.0	1		11/01/10 12:29	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		11/01/10 12:29	1634-04-4	

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ANALYTICAL RESULTS

Project: 60154982 Superior Water Light
Pace Project No.: 10141917

Sample: Trip Blank **Lab ID: 10141917002** Collected: 10/28/10 00:00 Received: 10/29/10 13:04 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
Naphthalene	ND	ug/L	4.0	1		11/01/10 12:29	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		11/01/10 12:29	103-65-1	
Styrene	ND	ug/L	1.0	1		11/01/10 12:29	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		11/01/10 12:29	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		11/01/10 12:29	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		11/01/10 12:29	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		11/01/10 12:29	109-99-9	
Toluene	ND	ug/L	1.0	1		11/01/10 12:29	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		11/01/10 12:29	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		11/01/10 12:29	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		11/01/10 12:29	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		11/01/10 12:29	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		11/01/10 12:29	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		11/01/10 12:29	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		11/01/10 12:29	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		11/01/10 12:29	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		11/01/10 12:29	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		11/01/10 12:29	108-67-8	
Vinyl chloride	ND	ug/L	0.40	1		11/01/10 12:29	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		11/01/10 12:29	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		11/01/10 12:29	1330-20-7	
o-Xylene	ND	ug/L	1.0	1		11/01/10 12:29	95-47-6	
Dibromofluoromethane (S)	105	%	75-130	1		11/01/10 12:29	1868-53-7	
1,2-Dichloroethane-d4 (S)	109	%	75-131	1		11/01/10 12:29	17060-07-0	
Toluene-d8 (S)	95	%	75-125	1		11/01/10 12:29	2037-26-5	
4-Bromofluorobenzene (S)	98	%	75-125	1		11/01/10 12:29	460-00-4	

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QUALITY CONTROL DATA

Project: 60154982 Superior Water Light
Pace Project No.: 10141917

QC Batch: OEXT/14153
QC Batch Method: EPA 3510
Analysis Method: EPA 8270 by SIM
Analysis Description: 8270 Water PAH by SIM MSSV
Associated Lab Samples: 10141917001

METHOD BLANK: 883056 Matrix: Water
Associated Lab Samples: 10141917001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Acenaphthene	ug/L	ND	0.040	11/04/10 13:44	
Acenaphthylene	ug/L	ND	0.040	11/04/10 13:44	
Anthracene	ug/L	ND	0.040	11/04/10 13:44	
Benzo(a)anthracene	ug/L	ND	0.040	11/04/10 13:44	
Benzo(a)pyrene	ug/L	ND	0.040	11/04/10 13:44	
Benzo(b)fluoranthene	ug/L	ND	0.040	11/04/10 13:44	
Benzo(g,h,i)perylene	ug/L	ND	0.040	11/04/10 13:44	
Benzo(k)fluoranthene	ug/L	ND	0.040	11/04/10 13:44	
Chrysene	ug/L	ND	0.040	11/04/10 13:44	
Dibenz(a,h)anthracene	ug/L	ND	0.040	11/04/10 13:44	
Fluoranthene	ug/L	ND	0.040	11/04/10 13:44	
Fluorene	ug/L	ND	0.040	11/04/10 13:44	
Indeno(1,2,3-cd)pyrene	ug/L	ND	0.040	11/04/10 13:44	
Naphthalene	ug/L	ND	0.040	11/04/10 13:44	
Phenanthrene	ug/L	ND	0.040	11/04/10 13:44	
Pyrene	ug/L	ND	0.040	11/04/10 13:44	
2-Fluorobiphenyl (S)	%	78	43-125	11/04/10 13:44	
Terphenyl-d14 (S)	%	92	34-136	11/04/10 13:44	

LABORATORY CONTROL SAMPLE & LCSD: 883057 883058

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Acenaphthene	ug/L	1	0.89	0.64	89	64	49-125	33	20	D6
Acenaphthylene	ug/L	1	0.86	0.60	86	60	48-125	35	20	D6
Anthracene	ug/L	1	0.88	0.80	88	80	49-130	10	20	
Benzo(a)anthracene	ug/L	1	0.93	0.91	93	91	50-125	2	20	
Benzo(a)pyrene	ug/L	1	0.98	0.93	98	93	48-131	5	20	
Benzo(b)fluoranthene	ug/L	1	0.99	0.95	99	95	48-125	4	20	
Benzo(g,h,i)perylene	ug/L	1	0.99	0.96	99	96	34-136	3	20	
Benzo(k)fluoranthene	ug/L	1	0.99	0.89	99	89	46-142	11	20	
Chrysene	ug/L	1	0.99	0.96	99	96	39-150	3	20	
Dibenz(a,h)anthracene	ug/L	1	1.0	0.96	100	96	42-127	4	20	
Fluoranthene	ug/L	1	0.98	0.93	98	93	51-130	5	20	
Fluorene	ug/L	1	0.90	0.67	90	67	51-125	29	20	D6
Indeno(1,2,3-cd)pyrene	ug/L	1	0.99	0.95	99	95	43-125	4	20	
Naphthalene	ug/L	1	0.89	0.65	89	65	44-125	32	20	D6
Phenanthrene	ug/L	1	0.94	0.84	94	84	51-125	12	20	
Pyrene	ug/L	1	0.94	0.91	94	91	38-149	3	20	
2-Fluorobiphenyl (S)	%				84	60	43-125			
Terphenyl-d14 (S)	%				92	90	34-136			

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QUALITY CONTROL DATA

Project: 60154982 Superior Water Light
Pace Project No.: 10141917

QC Batch: MSV/15681 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 465 W
Associated Lab Samples: 10141917002

METHOD BLANK: 882631 Matrix: Water
Associated Lab Samples: 10141917002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	11/01/10 12:06	
1,1,1-Trichloroethane	ug/L	ND	1.0	11/01/10 12:06	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	11/01/10 12:06	
1,1,2-Trichloroethane	ug/L	ND	1.0	11/01/10 12:06	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	1.0	11/01/10 12:06	
1,1-Dichloroethane	ug/L	ND	1.0	11/01/10 12:06	
1,1-Dichloroethene	ug/L	ND	1.0	11/01/10 12:06	
1,1-Dichloropropene	ug/L	ND	1.0	11/01/10 12:06	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	11/01/10 12:06	
1,2,3-Trichloropropane	ug/L	ND	1.0	11/01/10 12:06	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	11/01/10 12:06	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	11/01/10 12:06	
1,2-Dibromo-3-chloropropane	ug/L	ND	4.0	11/01/10 12:06	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	11/01/10 12:06	
1,2-Dichlorobenzene	ug/L	ND	1.0	11/01/10 12:06	
1,2-Dichloroethane	ug/L	ND	1.0	11/01/10 12:06	
1,2-Dichloropropane	ug/L	ND	1.0	11/01/10 12:06	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	11/01/10 12:06	
1,3-Dichlorobenzene	ug/L	ND	1.0	11/01/10 12:06	
1,3-Dichloropropane	ug/L	ND	1.0	11/01/10 12:06	
1,4-Dichlorobenzene	ug/L	ND	1.0	11/01/10 12:06	
2,2-Dichloropropane	ug/L	ND	4.0	11/01/10 12:06	
2-Butanone (MEK)	ug/L	ND	4.0	11/01/10 12:06	
2-Chlorotoluene	ug/L	ND	1.0	11/01/10 12:06	
4-Chlorotoluene	ug/L	ND	1.0	11/01/10 12:06	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	4.0	11/01/10 12:06	
Acetone	ug/L	ND	10.0	11/01/10 12:06	
Allyl chloride	ug/L	ND	4.0	11/01/10 12:06	
Benzene	ug/L	ND	1.0	11/01/10 12:06	
Bromobenzene	ug/L	ND	1.0	11/01/10 12:06	
Bromochloromethane	ug/L	ND	1.0	11/01/10 12:06	
Bromodichloromethane	ug/L	ND	1.0	11/01/10 12:06	
Bromoform	ug/L	ND	8.0	11/01/10 12:06	
Bromomethane	ug/L	ND	4.0	11/01/10 12:06	
Carbon tetrachloride	ug/L	ND	4.0	11/01/10 12:06	
Chlorobenzene	ug/L	ND	1.0	11/01/10 12:06	
Chloroethane	ug/L	ND	1.0	11/01/10 12:06	
Chloroform	ug/L	ND	1.0	11/01/10 12:06	
Chloromethane	ug/L	ND	4.0	11/01/10 12:06	
cis-1,2-Dichloroethene	ug/L	ND	1.0	11/01/10 12:06	
cis-1,3-Dichloropropene	ug/L	ND	4.0	11/01/10 12:06	
Dibromochloromethane	ug/L	ND	1.0	11/01/10 12:06	
Dibromomethane	ug/L	ND	4.0	11/01/10 12:06	

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QUALITY CONTROL DATA

Project: 60154982 Superior Water Light
Pace Project No.: 10141917

METHOD BLANK: 882631 Matrix: Water

Associated Lab Samples: 10141917002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dichlorodifluoromethane	ug/L	ND	1.0	11/01/10 12:06	
Dichlorofluoromethane	ug/L	ND	1.0	11/01/10 12:06	
Diethyl ether (Ethyl ether)	ug/L	ND	4.0	11/01/10 12:06	
Ethylbenzene	ug/L	ND	1.0	11/01/10 12:06	
Hexachloro-1,3-butadiene	ug/L	ND	4.0	11/01/10 12:06	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	11/01/10 12:06	
m&p-Xylene	ug/L	ND	2.0	11/01/10 12:06	
Methyl-tert-butyl ether	ug/L	ND	1.0	11/01/10 12:06	
Methylene Chloride	ug/L	ND	4.0	11/01/10 12:06	
n-Butylbenzene	ug/L	ND	1.0	11/01/10 12:06	
n-Propylbenzene	ug/L	ND	1.0	11/01/10 12:06	
Naphthalene	ug/L	ND	4.0	11/01/10 12:06	
o-Xylene	ug/L	ND	1.0	11/01/10 12:06	
p-Isopropyltoluene	ug/L	ND	1.0	11/01/10 12:06	
sec-Butylbenzene	ug/L	ND	1.0	11/01/10 12:06	
Styrene	ug/L	ND	1.0	11/01/10 12:06	
tert-Butylbenzene	ug/L	ND	1.0	11/01/10 12:06	
Tetrachloroethene	ug/L	ND	1.0	11/01/10 12:06	
Tetrahydrofuran	ug/L	ND	10.0	11/01/10 12:06	
Toluene	ug/L	ND	1.0	11/01/10 12:06	
trans-1,2-Dichloroethene	ug/L	ND	1.0	11/01/10 12:06	
trans-1,3-Dichloropropene	ug/L	ND	4.0	11/01/10 12:06	
Trichloroethene	ug/L	ND	1.0	11/01/10 12:06	
Trichlorofluoromethane	ug/L	ND	1.0	11/01/10 12:06	
Vinyl chloride	ug/L	ND	0.40	11/01/10 12:06	
Xylene (Total)	ug/L	ND	3.0	11/01/10 12:06	
1,2-Dichloroethane-d4 (S)	%	106	75-131	11/01/10 12:06	
4-Bromofluorobenzene (S)	%	98	75-125	11/01/10 12:06	
Dibromofluoromethane (S)	%	101	75-130	11/01/10 12:06	
Toluene-d8 (S)	%	94	75-125	11/01/10 12:06	

LABORATORY CONTROL SAMPLE & LCSD: 882632 883140

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	51.4	53.1	103	106	75-125	3	20	
1,1,1-Trichloroethane	ug/L	50	53.1	56.6	106	113	68-130	6	20	
1,1,2,2-Tetrachloroethane	ug/L	50	49.7	52.0	99	104	71-125	5	20	
1,1,2-Trichloroethane	ug/L	50	50.3	52.2	101	104	75-125	4	20	
1,1,2-Trichlorotrifluoroethane	ug/L	50	45.6	51.1	91	102	60-141	11	20	
1,1-Dichloroethane	ug/L	50	49.9	52.4	100	105	75-125	5	20	
1,1-Dichloroethene	ug/L	50	46.7	52.8	93	106	69-125	12	20	
1,1-Dichloropropene	ug/L	50	51.1	55.6	102	111	69-125	8	20	
1,2,3-Trichlorobenzene	ug/L	50	49.2	54.3	98	109	72-129	10	20	
1,2,3-Trichloropropane	ug/L	50	51.3	53.2	103	106	69-127	4	20	
1,2,4-Trichlorobenzene	ug/L	50	50.1	52.7	100	105	75-125	5	20	

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QUALITY CONTROL DATA

Project: 60154982 Superior Water Light
Pace Project No.: 10141917

LABORATORY CONTROL SAMPLE & LCSD: 882632 883140

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,4-Trimethylbenzene	ug/L	50	50.7	53.1	101	106	75-125	5	20	
1,2-Dibromo-3-chloropropane	ug/L	50	50.6	55.7	101	111	64-135	10	20	
1,2-Dibromoethane (EDB)	ug/L	50	50.7	52.3	101	105	75-126	3	20	
1,2-Dichlorobenzene	ug/L	50	49.3	50.7	99	101	75-125	3	20	
1,2-Dichloroethane	ug/L	50	57.1	59.1	114	118	75-125	4	20	
1,2-Dichloropropane	ug/L	50	52.9	56.1	106	112	75-125	6	20	
1,3,5-Trimethylbenzene	ug/L	50	50.0	52.8	100	106	75-125	6	20	
1,3-Dichlorobenzene	ug/L	50	48.4	49.8	97	100	75-125	3	20	
1,3-Dichloropropane	ug/L	50	51.4	53.1	103	106	75-125	3	20	
1,4-Dichlorobenzene	ug/L	50	49.9	51.0	100	102	75-125	2	20	
2,2-Dichloropropane	ug/L	50	55.5	59.5	111	119	54-149	7	20	
2-Butanone (MEK)	ug/L	50	62.7	63.4	125	127	55-140	1	20	
2-Chlorotoluene	ug/L	50	49.7	52.3	99	105	75-125	5	20	
4-Chlorotoluene	ug/L	50	49.3	52.1	99	104	75-125	6	20	
4-Methyl-2-pentanone (MIBK)	ug/L	50	48.7	50.5	97	101	65-132	4	20	
Acetone	ug/L	125	168	157	135	125	36-126	7	20	L3
Allyl chloride	ug/L	50	49.5	53.7	99	107	64-137	8	20	
Benzene	ug/L	50	51.5	54.0	103	108	75-125	5	20	
Bromobenzene	ug/L	50	50.9	52.0	102	104	75-125	2	20	
Bromochloromethane	ug/L	50	54.4	57.3	109	115	75-125	5	20	
Bromodichloromethane	ug/L	50	52.3	55.1	105	110	75-125	5	20	
Bromoform	ug/L	50	52.4	53.4	105	107	72-131	2	20	
Bromomethane	ug/L	50	42.4	50.1	85	100	30-150	17	20	
Carbon tetrachloride	ug/L	50	50.5	55.4	101	111	61-140	9	20	
Chlorobenzene	ug/L	50	50.6	52.7	101	105	75-125	4	20	
Chloroethane	ug/L	50	52.7	58.8	105	118	56-137	11	20	
Chloroform	ug/L	50	52.7	55.2	105	110	75-125	5	20	
Chloromethane	ug/L	50	57.1	62.3	114	125	62-128	9	20	
cis-1,2-Dichloroethene	ug/L	50	53.9	57.1	108	114	75-125	6	20	
cis-1,3-Dichloropropene	ug/L	50	54.1	55.9	108	112	75-125	3	20	
Dibromochloromethane	ug/L	50	50.7	53.1	101	106	75-125	5	20	
Dibromomethane	ug/L	50	54.3	56.8	109	114	75-125	4	20	
Dichlorodifluoromethane	ug/L	50	56.8	64.1	114	128	54-141	12	20	
Dichlorofluoromethane	ug/L	50	50.9	54.9	102	110	70-128	8	20	
Diethyl ether (Ethyl ether)	ug/L	50	51.0	56.3	102	113	75-125	10	20	
Ethylbenzene	ug/L	50	50.1	53.1	100	106	75-125	6	20	
Hexachloro-1,3-butadiene	ug/L	25	22.7	25.3	91	101	68-133	11	20	
Isopropylbenzene (Cumene)	ug/L	50	51.5	54.4	103	109	75-125	6	20	
m&p-Xylene	ug/L	100	102	106	102	106	75-125	4	20	
Methyl-tert-butyl ether	ug/L	50	52.5	54.2	105	108	73-132	3	20	
Methylene Chloride	ug/L	50	49.2	51.8	98	104	74-125	5	20	
n-Butylbenzene	ug/L	50	50.0	53.4	100	107	75-125	6	20	
n-Propylbenzene	ug/L	50	49.5	53.1	99	106	75-125	7	20	
Naphthalene	ug/L	50	44.7	48.8	89	98	69-130	9	20	
o-Xylene	ug/L	50	52.0	54.0	104	108	75-125	4	20	
p-Isopropyltoluene	ug/L	50	50.5	53.8	101	108	75-125	6	20	
sec-Butylbenzene	ug/L	50	49.9	52.4	100	105	75-125	5	20	
Styrene	ug/L	50	51.9	54.1	104	108	75-125	4	20	

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QUALITY CONTROL DATA

Project: 60154982 Superior Water Light
Pace Project No.: 10141917

LABORATORY CONTROL SAMPLE & LCSD: 882632 883140

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
tert-Butylbenzene	ug/L	50	48.9	52.3	98	105	73-125	7	20	
Tetrachloroethene	ug/L	50	47.6	50.9	95	102	72-125	7	20	
Tetrahydrofuran	ug/L	500	488	521	98	104	64-135	6	20	
Toluene	ug/L	50	48.5	51.7	97	103	75-125	7	20	
trans-1,2-Dichloroethene	ug/L	50	48.1	52.0	96	104	70-125	8	20	
trans-1,3-Dichloropropene	ug/L	50	54.3	55.5	109	111	75-125	2	20	
Trichloroethene	ug/L	50	50.4	54.8	101	110	75-125	8	20	
Trichlorofluoromethane	ug/L	50	52.8	59.3	106	119	68-132	12	20	
Vinyl chloride	ug/L	50	56.5	62.2	113	124	62-132	10	20	
Xylene (Total)	ug/L	150	154	160	103	107	75-125	4	20	
1,2-Dichloroethane-d4 (S)	%				103	107	75-131			
4-Bromofluorobenzene (S)	%				98	97	75-125			
Dibromofluoromethane (S)	%				102	101	75-130			
Toluene-d8 (S)	%				98	98	75-125			

MATRIX SPIKE SAMPLE: 882637

Parameter	Units	10141931001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	50	54.5	109	72-133	
1,1,1-Trichloroethane	ug/L	ND	50	60.7	121	65-150	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	52.3	105	63-138	
1,1,2-Trichloroethane	ug/L	ND	50	52.6	105	68-131	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	50	62.2	124	47-150	
1,1-Dichloroethane	ug/L	ND	50	54.7	109	71-131	
1,1-Dichloroethene	ug/L	ND	50	54.3	109	66-145	
1,1-Dichloropropene	ug/L	ND	50	58.5	117	62-144	
1,2,3-Trichlorobenzene	ug/L	ND	50	55.3	111	66-139	
1,2,3-Trichloropropane	ug/L	ND	50	53.6	107	61-139	
1,2,4-Trichlorobenzene	ug/L	ND	50	54.3	109	68-139	
1,2,4-Trimethylbenzene	ug/L	ND	50	52.0	104	69-130	
1,2-Dibromo-3-chloropropane	ug/L	ND	50	53.9	108	53-150	
1,2-Dibromoethane (EDB)	ug/L	ND	50	51.8	104	69-133	
1,2-Dichlorobenzene	ug/L	ND	50	51.9	104	72-131	
1,2-Dichloroethane	ug/L	ND	50	59.3	119	62-148	
1,2-Dichloropropane	ug/L	ND	50	56.2	112	74-128	
1,3,5-Trimethylbenzene	ug/L	ND	50	51.0	102	65-134	
1,3-Dichlorobenzene	ug/L	ND	50	51.2	102	73-130	
1,3-Dichloropropane	ug/L	ND	50	52.2	104	71-130	
1,4-Dichlorobenzene	ug/L	ND	50	52.7	105	71-132	
2,2-Dichloropropane	ug/L	ND	50	63.9	128	50-150	
2-Butanone (MEK)	ug/L	ND	50	56.6	113	46-140	
2-Chlorotoluene	ug/L	ND	50	53.7	107	74-131	
4-Chlorotoluene	ug/L	ND	50	53.4	107	70-139	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	50	51.1	102	59-145	
Acetone	ug/L	ND	125	121	96	36-126	
Allyl chloride	ug/L	ND	50	53.3	107	50-148	
Benzene	ug/L	ND	50	56.5	113	70-133	

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QUALITY CONTROL DATA

Project: 60154982 Superior Water Light
Pace Project No.: 10141917

MATRIX SPIKE SAMPLE: 882637

Parameter	Units	10141931001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Bromobenzene	ug/L	ND	50	53.3	107	72-129	
Bromochloromethane	ug/L	ND	50	57.3	115	69-137	
Bromodichloromethane	ug/L	ND	50	56.2	112	73-134	
Bromoform	ug/L	ND	50	52.1	104	56-144	
Bromomethane	ug/L	ND	50	51.0	102	30-150	
Carbon tetrachloride	ug/L	ND	50	60.3	121	55-150	
Chlorobenzene	ug/L	ND	50	53.5	107	71-132	
Chloroethane	ug/L	ND	50	63.2	126	50-150	
Chloroform	ug/L	ND	50	56.2	112	68-138	
Chloromethane	ug/L	ND	50	68.8	138	61-148	
cis-1,2-Dichloroethene	ug/L	ND	50	60.4	121	68-135	
cis-1,3-Dichloropropene	ug/L	ND	50	56.7	113	70-134	
Dibromochloromethane	ug/L	ND	50	51.7	103	67-135	
Dibromomethane	ug/L	ND	50	57.3	115	74-130	
Dichlorodifluoromethane	ug/L	ND	50	80.5	161	44-150	M1
Dichlorofluoromethane	ug/L	ND	50	57.7	115	67-145	
Diethyl ether (Ethyl ether)	ug/L	ND	50	55.3	111	69-132	
Ethylbenzene	ug/L	ND	50	54.3	109	66-133	
Hexachloro-1,3-butadiene	ug/L	ND	25	29.0	116	59-150	
Isopropylbenzene (Cumene)	ug/L	ND	50	56.3	113	71-140	
m&p-Xylene	ug/L	ND	100	106	106	63-130	
Methyl-tert-butyl ether	ug/L	ND	50	55.2	110	62-143	
Methylene Chloride	ug/L	ND	50	52.2	104	69-126	
n-Butylbenzene	ug/L	ND	50	56.2	112	73-140	
n-Propylbenzene	ug/L	ND	50	55.0	110	71-136	
Naphthalene	ug/L	ND	50	49.4	99	55-147	
o-Xylene	ug/L	ND	50	52.9	106	66-132	
p-Isopropyltoluene	ug/L	ND	50	55.4	111	69-138	
sec-Butylbenzene	ug/L	ND	50	56.0	112	73-140	
Styrene	ug/L	ND	50	37.5	75	68-138	
tert-Butylbenzene	ug/L	ND	50	55.0	110	70-138	
Tetrachloroethene	ug/L	ND	50	54.1	108	70-138	
Tetrahydrofuran	ug/L	ND	500	522	104	54-148	
Toluene	ug/L	ND	50	52.4	105	65-127	
trans-1,2-Dichloroethene	ug/L	ND	50	54.3	109	67-131	
trans-1,3-Dichloropropene	ug/L	ND	50	55.5	111	64-138	
Trichloroethene	ug/L	ND	50	56.9	114	70-133	
Trichlorofluoromethane	ug/L	ND	50	70.1	140	59-150	
Vinyl chloride	ug/L	0.77	50	69.7	138	59-150	
Xylene (Total)	ug/L	ND	150	159	106	65-130	
1,2-Dichloroethane-d4 (S)	%				102	75-131	
4-Bromofluorobenzene (S)	%				98	75-125	
Dibromofluoromethane (S)	%				101	75-130	
Toluene-d8 (S)	%				96	75-125	

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QUALITY CONTROL DATA

Project: 60154982 Superior Water Light
Pace Project No.: 10141917

QC Batch: MSV/15688 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 465 W
Associated Lab Samples: 10141917001

METHOD BLANK: 883210 Matrix: Water
Associated Lab Samples: 10141917001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	11/02/10 12:30	
1,1,1-Trichloroethane	ug/L	ND	1.0	11/02/10 12:30	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	11/02/10 12:30	
1,1,2-Trichloroethane	ug/L	ND	1.0	11/02/10 12:30	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	1.0	11/02/10 12:30	
1,1-Dichloroethane	ug/L	ND	1.0	11/02/10 12:30	
1,1-Dichloroethene	ug/L	ND	1.0	11/02/10 12:30	
1,1-Dichloropropene	ug/L	ND	1.0	11/02/10 12:30	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	11/02/10 12:30	
1,2,3-Trichloropropane	ug/L	ND	1.0	11/02/10 12:30	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	11/02/10 12:30	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	11/02/10 12:30	
1,2-Dibromo-3-chloropropane	ug/L	ND	4.0	11/02/10 12:30	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	11/02/10 12:30	
1,2-Dichlorobenzene	ug/L	ND	1.0	11/02/10 12:30	
1,2-Dichloroethane	ug/L	ND	1.0	11/02/10 12:30	
1,2-Dichloropropane	ug/L	ND	1.0	11/02/10 12:30	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	11/02/10 12:30	
1,3-Dichlorobenzene	ug/L	ND	1.0	11/02/10 12:30	
1,3-Dichloropropane	ug/L	ND	1.0	11/02/10 12:30	
1,4-Dichlorobenzene	ug/L	ND	1.0	11/02/10 12:30	
2,2-Dichloropropane	ug/L	ND	4.0	11/02/10 12:30	
2-Butanone (MEK)	ug/L	ND	4.0	11/02/10 12:30	
2-Chlorotoluene	ug/L	ND	1.0	11/02/10 12:30	
4-Chlorotoluene	ug/L	ND	1.0	11/02/10 12:30	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	4.0	11/02/10 12:30	
Acetone	ug/L	ND	10.0	11/02/10 12:30	
Allyl chloride	ug/L	ND	4.0	11/02/10 12:30	
Benzene	ug/L	ND	1.0	11/02/10 12:30	
Bromobenzene	ug/L	ND	1.0	11/02/10 12:30	
Bromochloromethane	ug/L	ND	1.0	11/02/10 12:30	
Bromodichloromethane	ug/L	ND	1.0	11/02/10 12:30	
Bromoform	ug/L	ND	8.0	11/02/10 12:30	
Bromomethane	ug/L	ND	4.0	11/02/10 12:30	
Carbon tetrachloride	ug/L	ND	4.0	11/02/10 12:30	
Chlorobenzene	ug/L	ND	1.0	11/02/10 12:30	
Chloroethane	ug/L	ND	1.0	11/02/10 12:30	
Chloroform	ug/L	ND	1.0	11/02/10 12:30	
Chloromethane	ug/L	ND	4.0	11/02/10 12:30	
cis-1,2-Dichloroethene	ug/L	ND	1.0	11/02/10 12:30	
cis-1,3-Dichloropropene	ug/L	ND	4.0	11/02/10 12:30	
Dibromochloromethane	ug/L	ND	1.0	11/02/10 12:30	
Dibromomethane	ug/L	ND	4.0	11/02/10 12:30	

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QUALITY CONTROL DATA

Project: 60154982 Superior Water Light
Pace Project No.: 10141917

METHOD BLANK: 883210 Matrix: Water

Associated Lab Samples: 10141917001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dichlorodifluoromethane	ug/L	ND	1.0	11/02/10 12:30	
Dichlorofluoromethane	ug/L	ND	1.0	11/02/10 12:30	
Diethyl ether (Ethyl ether)	ug/L	ND	4.0	11/02/10 12:30	
Ethylbenzene	ug/L	ND	1.0	11/02/10 12:30	
Hexachloro-1,3-butadiene	ug/L	ND	4.0	11/02/10 12:30	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	11/02/10 12:30	
m&p-Xylene	ug/L	ND	2.0	11/02/10 12:30	
Methyl-tert-butyl ether	ug/L	ND	1.0	11/02/10 12:30	
Methylene Chloride	ug/L	ND	4.0	11/02/10 12:30	
n-Butylbenzene	ug/L	ND	1.0	11/02/10 12:30	
n-Propylbenzene	ug/L	ND	1.0	11/02/10 12:30	
Naphthalene	ug/L	ND	4.0	11/02/10 12:30	
o-Xylene	ug/L	ND	1.0	11/02/10 12:30	
p-Isopropyltoluene	ug/L	ND	1.0	11/02/10 12:30	
sec-Butylbenzene	ug/L	ND	1.0	11/02/10 12:30	
Styrene	ug/L	ND	1.0	11/02/10 12:30	
tert-Butylbenzene	ug/L	ND	1.0	11/02/10 12:30	
Tetrachloroethene	ug/L	ND	1.0	11/02/10 12:30	
Tetrahydrofuran	ug/L	ND	10.0	11/02/10 12:30	
Toluene	ug/L	ND	1.0	11/02/10 12:30	
trans-1,2-Dichloroethene	ug/L	ND	1.0	11/02/10 12:30	
trans-1,3-Dichloropropene	ug/L	ND	4.0	11/02/10 12:30	
Trichloroethene	ug/L	ND	1.0	11/02/10 12:30	
Trichlorofluoromethane	ug/L	ND	1.0	11/02/10 12:30	
Vinyl chloride	ug/L	ND	0.40	11/02/10 12:30	
Xylene (Total)	ug/L	ND	3.0	11/02/10 12:30	
1,2-Dichloroethane-d4 (S)	%	112	75-131	11/02/10 12:30	
4-Bromofluorobenzene (S)	%	95	75-125	11/02/10 12:30	
Dibromofluoromethane (S)	%	107	75-130	11/02/10 12:30	
Toluene-d8 (S)	%	92	75-125	11/02/10 12:30	

LABORATORY CONTROL SAMPLE: 883211

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	53.2	106	75-125	
1,1,1-Trichloroethane	ug/L	50	55.2	110	68-130	
1,1,2,2-Tetrachloroethane	ug/L	50	48.7	97	71-125	
1,1,2-Trichloroethane	ug/L	50	50.3	101	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	50	49.6	99	60-141	
1,1-Dichloroethane	ug/L	50	50.2	100	75-125	
1,1-Dichloroethene	ug/L	50	50.6	101	69-125	
1,1-Dichloropropene	ug/L	50	52.9	106	69-125	
1,2,3-Trichlorobenzene	ug/L	50	50.2	100	72-129	
1,2,3-Trichloropropane	ug/L	50	50.6	101	69-127	
1,2,4-Trichlorobenzene	ug/L	50	49.3	99	75-125	

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1700 Elm Street - Suite 200
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QUALITY CONTROL DATA

Project: 60154982 Superior Water Light
Pace Project No.: 10141917

LABORATORY CONTROL SAMPLE: 883211

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trimethylbenzene	ug/L	50	49.1	98	75-125	
1,2-Dibromo-3-chloropropane	ug/L	50	52.3	105	64-135	
1,2-Dibromoethane (EDB)	ug/L	50	52.1	104	75-126	
1,2-Dichlorobenzene	ug/L	50	48.3	97	75-125	
1,2-Dichloroethane	ug/L	50	58.3	117	75-125	
1,2-Dichloropropane	ug/L	50	53.8	108	75-125	
1,3,5-Trimethylbenzene	ug/L	50	49.2	98	75-125	
1,3-Dichlorobenzene	ug/L	50	46.9	94	75-125	
1,3-Dichloropropane	ug/L	50	51.6	103	75-125	
1,4-Dichlorobenzene	ug/L	50	48.1	96	75-125	
2,2-Dichloropropane	ug/L	50	56.1	112	54-149	
2-Butanone (MEK)	ug/L	50	64.1	128	55-140	
2-Chlorotoluene	ug/L	50	48.1	96	75-125	
4-Chlorotoluene	ug/L	50	48.1	96	75-125	
4-Methyl-2-pentanone (MIBK)	ug/L	50	48.6	97	65-132	
Acetone	ug/L	125	155	124	36-126	
Allyl chloride	ug/L	50	51.9	104	64-137	
Benzene	ug/L	50	52.6	105	75-125	
Bromobenzene	ug/L	50	48.4	97	75-125	
Bromochloromethane	ug/L	50	55.5	111	75-125	
Bromodichloromethane	ug/L	50	54.2	108	75-125	
Bromoform	ug/L	50	55.1	110	72-131	
Bromomethane	ug/L	50	51.7	103	30-150	
Carbon tetrachloride	ug/L	50	53.9	108	61-140	
Chlorobenzene	ug/L	50	50.8	102	75-125	
Chloroethane	ug/L	50	56.8	114	56-137	
Chloroform	ug/L	50	54.0	108	75-125	
Chloromethane	ug/L	50	61.1	122	62-128	
cis-1,2-Dichloroethene	ug/L	50	53.0	106	75-125	
cis-1,3-Dichloropropene	ug/L	50	55.2	110	75-125	
Dibromochloromethane	ug/L	50	52.8	106	75-125	
Dibromomethane	ug/L	50	56.3	113	75-125	
Dichlorodifluoromethane	ug/L	50	61.3	123	54-141	
Dichlorofluoromethane	ug/L	50	52.6	105	70-128	
Diethyl ether (Ethyl ether)	ug/L	50	53.3	107	75-125	
Ethylbenzene	ug/L	50	50.5	101	75-125	
Hexachloro-1,3-butadiene	ug/L	25	23.8	95	68-133	
Isopropylbenzene (Cumene)	ug/L	50	52.6	105	75-125	
m&p-Xylene	ug/L	100	103	103	75-125	
Methyl-tert-butyl ether	ug/L	50	52.8	106	73-132	
Methylene Chloride	ug/L	50	50.2	100	74-125	
n-Butylbenzene	ug/L	50	48.9	98	75-125	
n-Propylbenzene	ug/L	50	48.4	97	75-125	
Naphthalene	ug/L	50	45.2	90	69-130	
o-Xylene	ug/L	50	51.8	104	75-125	
p-Isopropyltoluene	ug/L	50	49.2	98	75-125	
sec-Butylbenzene	ug/L	50	49.0	98	75-125	
Styrene	ug/L	50	52.5	105	75-125	

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QUALITY CONTROL DATA

Project: 60154982 Superior Water Light
Pace Project No.: 10141917

LABORATORY CONTROL SAMPLE: 883211

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
tert-Butylbenzene	ug/L	50	48.5	97	73-125	
Tetrachloroethene	ug/L	50	49.9	100	72-125	
Tetrahydrofuran	ug/L	500	510	102	64-135	
Toluene	ug/L	50	49.6	99	75-125	
trans-1,2-Dichloroethene	ug/L	50	50.4	101	70-125	
trans-1,3-Dichloropropene	ug/L	50	54.0	108	75-125	
Trichloroethene	ug/L	50	53.4	107	75-125	
Trichlorofluoromethane	ug/L	50	59.1	118	68-132	
Vinyl chloride	ug/L	50	59.5	119	62-132	
Xylene (Total)	ug/L	150	155	103	75-125	
1,2-Dichloroethane-d4 (S)	%			100	75-131	
4-Bromofluorobenzene (S)	%			93	75-125	
Dibromofluoromethane (S)	%			102	75-130	
Toluene-d8 (S)	%			99	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 883232 883233

Parameter	Units	10141978004 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	250	250	266	267	106	107	72-133	.6	30	
1,1,1-Trichloroethane	ug/L	ND	250	250	271	284	109	113	65-150	4	30	
1,1,2,2-Tetrachloroethane	ug/L	ND	250	250	244	244	98	97	63-138	.3	30	
1,1,2-Trichloroethane	ug/L	ND	250	250	252	253	101	101	68-131	.6	30	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	250	250	253	265	101	106	47-150	4	30	
1,1-Dichloroethane	ug/L	ND	250	250	248	258	99	103	71-131	4	30	
1,1-Dichloroethene	ug/L	ND	250	250	247	259	99	104	66-145	5	30	
1,1-Dichloropropene	ug/L	ND	250	250	261	275	105	110	62-144	5	30	
1,2,3-Trichlorobenzene	ug/L	ND	250	250	260	258	104	103	66-139	.7	30	
1,2,3-Trichloropropane	ug/L	ND	250	250	253	253	101	101	61-139	.02	30	
1,2,4-Trichlorobenzene	ug/L	ND	250	250	252	253	101	101	68-139	.2	30	
1,2,4-Trimethylbenzene	ug/L	ND	250	250	248	260	99	104	69-130	5	30	
1,2-Dibromo-3-chloropropane	ug/L	ND	250	250	263	254	105	102	53-150	3	30	
1,2-Dibromoethane (EDB)	ug/L	ND	250	250	254	255	102	102	69-133	.4	30	
1,2-Dichlorobenzene	ug/L	ND	250	250	244	248	98	99	72-131	1	30	
1,2-Dichloroethane	ug/L	ND	250	250	286	285	114	114	62-148	.2	30	
1,2-Dichloropropane	ug/L	ND	250	250	258	269	103	107	74-128	4	30	
1,3,5-Trimethylbenzene	ug/L	ND	250	250	247	258	99	103	65-134	4	30	
1,3-Dichlorobenzene	ug/L	ND	250	250	239	247	96	99	73-130	3	30	
1,3-Dichloropropane	ug/L	ND	250	250	259	257	104	103	71-130	.7	30	
1,4-Dichlorobenzene	ug/L	ND	250	250	246	252	98	101	71-132	2	30	
2,2-Dichloropropane	ug/L	ND	250	250	279	293	112	117	50-150	5	30	
2-Butanone (MEK)	ug/L	ND	250	250	268	261	107	104	46-140	2	30	
2-Chlorotoluene	ug/L	ND	250	250	245	257	98	103	74-131	5	30	
4-Chlorotoluene	ug/L	ND	250	250	246	255	98	102	70-139	4	30	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	250	247	241	99	96	59-145	2	30	
Acetone	ug/L	ND	625	625	570	562	91	90	36-126	1	30	
Allyl chloride	ug/L	ND	250	250	249	213	99	85	50-148	15	30	

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QUALITY CONTROL DATA

Project: 60154982 Superior Water Light
Pace Project No.: 10141917

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 883232 883233

Parameter	Units	10141978004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	ND	250	250	257	267	103	107	70-133	4	30	
Bromobenzene	ug/L	ND	250	250	248	258	99	103	72-129	4	30	
Bromochloromethane	ug/L	ND	250	250	266	271	106	108	69-137	2	30	
Bromodichloromethane	ug/L	ND	250	250	267	267	107	107	73-134	.2	30	
Bromoform	ug/L	ND	250	250	273	243	109	97	56-144	12	30	
Bromomethane	ug/L	ND	250	250	254	263	102	105	30-150	3	30	
Carbon tetrachloride	ug/L	ND	250	250	269	271	107	108	55-150	.8	30	
Chlorobenzene	ug/L	ND	250	250	254	265	102	106	71-132	4	30	
Chloroethane	ug/L	ND	250	250	275	287	110	115	50-150	4	30	
Chloroform	ug/L	ND	250	250	266	273	107	109	68-138	2	30	
Chloromethane	ug/L	ND	250	250	294	292	118	117	61-148	.6	30	
cis-1,2-Dichloroethene	ug/L	ND	250	250	269	279	106	110	68-135	4	30	
cis-1,3-Dichloropropene	ug/L	ND	250	250	266	254	106	102	70-134	4	30	
Dibromochloromethane	ug/L	ND	250	250	260	246	104	98	67-135	5	30	
Dibromomethane	ug/L	ND	250	250	276	276	110	111	74-130	.2	30	
Dichlorodifluoromethane	ug/L	ND	250	250	313	329	125	132	44-150	5	30	
Dichlorofluoromethane	ug/L	ND	250	250	263	268	105	107	67-145	2	30	
Diethyl ether (Ethyl ether)	ug/L	ND	250	250	274	262	110	105	69-132	4	30	
Ethylbenzene	ug/L	ND	250	250	254	266	102	106	66-133	4	30	
Hexachloro-1,3-butadiene	ug/L	ND	125	125	128	131	102	105	59-150	2	30	
Isopropylbenzene (Cumene)	ug/L	ND	250	250	261	276	104	110	71-140	5	30	
m&p-Xylene	ug/L	ND	500	500	520	534	104	107	63-130	3	30	
Methyl-tert-butyl ether	ug/L	ND	250	250	263	257	105	103	62-143	2	30	
Methylene Chloride	ug/L	ND	250	250	250	256	100	102	69-126	2	30	
n-Butylbenzene	ug/L	ND	250	250	252	266	101	106	73-140	5	30	
n-Propylbenzene	ug/L	ND	250	250	246	258	99	103	71-136	5	30	
Naphthalene	ug/L	ND	250	250	229	226	92	90	55-147	2	30	
o-Xylene	ug/L	ND	250	250	258	266	103	106	66-132	3	30	
p-Isopropyltoluene	ug/L	ND	250	250	252	264	101	106	69-138	5	30	
sec-Butylbenzene	ug/L	ND	250	250	249	266	100	106	73-140	6	30	
Styrene	ug/L	ND	250	250	262	266	105	106	68-138	2	30	
tert-Butylbenzene	ug/L	ND	250	250	245	258	98	103	70-138	5	30	
Tetrachloroethene	ug/L	ND	250	250	248	262	99	105	70-138	5	30	
Tetrahydrofuran	ug/L	ND	2500	2500	2490	2420	100	97	54-148	3	30	
Toluene	ug/L	ND	250	250	246	254	98	102	65-127	3	30	
trans-1,2-Dichloroethene	ug/L	10.7	250	250	257	267	98	102	67-131	4	30	
trans-1,3-Dichloropropene	ug/L	ND	250	250	271	261	109	104	64-138	4	30	
Trichloroethene	ug/L	723	250	250	957	1010	93	115	70-133	6	30	
Trichlorofluoromethane	ug/L	ND	250	250	297	309	119	124	59-150	4	30	
Vinyl chloride	ug/L	ND	250	250	296	315	118	126	59-150	6	30	
Xylene (Total)	ug/L	ND	750	750	778	800	104	107	65-130	3	30	
1,2-Dichloroethane-d4 (S)	%						103	103	75-131			
4-Bromofluorobenzene (S)	%						99	94	75-125			
Dibromofluoromethane (S)	%						98	97	75-130			
Toluene-d8 (S)	%						95	96	75-125			

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

QUALIFIERS

Project: 60154982 Superior Water Light
Pace Project No.: 10141917

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

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

MDL - Adjusted Method Detection Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

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

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

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

ANALYTE QUALIFIERS

D6	The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control 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.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

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.

10141917

Page: 1 of 1

1431859

Section A Required Client Information:

Company: AECOM
Address: 161 Cheshire Ln
Plymouth, MN 55441
Email To: Bill.gegg@aecom.com
Phone: Fax:
Requested Due Date/TAT: Standard

Section B Required Project Information:

Report To: Bill Gregg
Copy To:
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:
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-22	WT		10/28	1730	—	—	9°	5	2			3					N	X	X		991
2	Trip Blank	WT		—	—	—	—	—	2										X			992
3																						
4																						
5																						
6																						
7																						
8																						
9																						
10																						
11																						
12																						

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
Street Fleet Courier	Tim Grope / AECOM	10/29/10		Street Fleet	10/29					
Packed Cooler in Ice					10/29/10	1304	5.8	Y	N	Y
Sealed w/COC										

2

SAMPLER NAME AND SIGNATURE: Tim Grope
PRINT Name of SAMPLER:
SIGNATURE of SAMPLER:
DATE Signed (MM/DD/YY): 10/28/10

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

Sample Condition Upon Receipt

Pace Analytical

Client Name: AECOM Project # 10141917

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

Tracking #: _____

Optional: Proj. Due Date: Proj. Name:

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

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

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

Cooler Temperature: 5.7° Biological Tissue is Frozen: Yes No

Temp should be above freezing to 6°C

Date and initials of person examining contents: ar 10/29/10

Comments:

Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes ☑No ☐N/A	6.
Rush Turn Around Time Requested:	☐Yes ☑No ☐N/A	7.
Sufficient Volume:	☑Yes ☐No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No ☐N/A	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
Containers Intact:	☑Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC:	☑Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix: WT		
All containers needing acid/base preservation have been checked. Noncompliance are noted in 13.	☐Yes ☐No ☑N/A	13. ☐ HNO3 ☐ H2SO4 ☐ NaOH ☐ HCl
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes ☐No ☑N/A	Samp #
Exceptions: VOA, Coliform, TOC, Oil and Grease, WI-DRO (water)	☑Yes ☐No	Initial when completed / Lot # of added preservative
Samples checked for dechlorination:	☐Yes ☐No ☑N/A	14.
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): 101510		

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: CRV **Date:** 10-29-10

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

F-L213Rev.00, 05Aug2009

Pace Analytical Services, Inc.
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