



Wednesday, November 17, 2010  
Analytical Results

Ed Council  
LJB Engineers & Architects  
3100 Research Boulevard  
Dayton, OH 45420-0246  
TEL: 937-259-5000  
FAX 937-259-5100

RE: 09020 Piqua Power Plant

Work Order: 10J1482

Belmont Labs received 4 sample(s) on 10/29/2010 for the analyses presented in the following report.

Belmont Labs attests that all analytical methods were performed using acceptable methods, and that the QA/QC procedures stipulated in these methods were followed. USEPA's RCRA Program regards a statement of quality assurance as a legal means of assuring that acceptable and uniform laboratory methods and QA/QC practices were followed by the laboratory.

If you have any questions regarding the test results, please feel free to call me at (937) 832-8242.

Respectfully submitted,

Holly Green  
Project Manager  
VAP

**Certifications:**

NELAP/NELAC - #04130  
Ohio EPA Drinking water - #836

VAP - #CL0032  
Ohio EPA Drinking water (Micro) - #872

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25 Holiday Drive \* Englewood, Ohio 45322 \* 1.937.832.8242 \* 1.937.832.2868 Fax

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**CLIENT:** LJB Engineers & Architects  
**Project:** 09020 Piqua Power Plant**Lab Order:** 10J1482

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**Work Order Sample Summary**

<b>Lab Sample ID</b>	<b>Client Sample ID</b>	<b>Sampled Date</b>	<b>Received Date</b>
10J1482-01A	MW-6d	10/28/2010 12:15:00PM	10/29/2010
10J1482-01B	MW-6d	10/28/2010 12:15:00PM	10/29/2010
10J1482-01C	MW-6d	10/28/2010 12:15:00PM	10/29/2010
10J1482-01D	MW-6d	10/28/2010 12:15:00PM	10/29/2010
10J1482-01E	MW-6d	10/28/2010 12:15:00PM	10/29/2010
10J1482-01F	MW-6d	10/28/2010 12:15:00PM	10/29/2010
10J1482-01G	MW-6d	10/28/2010 12:15:00PM	10/29/2010
10J1482-02A	MW-6dd	10/28/2010 12:15:00PM	10/29/2010
10J1482-02B	MW-6dd	10/28/2010 12:15:00PM	10/29/2010
10J1482-02C	MW-6dd	10/28/2010 12:15:00PM	10/29/2010
10J1482-02D	MW-6dd	10/28/2010 12:15:00PM	10/29/2010
10J1482-02E	MW-6dd	10/28/2010 12:15:00PM	10/29/2010
10J1482-02F	MW-6dd	10/28/2010 12:15:00PM	10/29/2010
10J1482-02G	MW-6dd	10/28/2010 12:15:00PM	10/29/2010
10J1482-03A	MW-7d	10/28/2010 3:30:00PM	10/29/2010
10J1482-03B	MW-7d	10/28/2010 3:30:00PM	10/29/2010
10J1482-03C	MW-7d	10/28/2010 3:30:00PM	10/29/2010
10J1482-03D	MW-7d	10/28/2010 3:30:00PM	10/29/2010
10J1482-03E	MW-7d	10/28/2010 3:30:00PM	10/29/2010
10J1482-03F	MW-7d	10/28/2010 3:30:00PM	10/29/2010
10J1482-03G	MW-7d	10/28/2010 3:30:00PM	10/29/2010
10J1482-04A	T.B.	10/28/2010 12:15:00PM	10/29/2010
10J1482-04B	T.B.	10/28/2010 12:15:00PM	10/29/2010

**CLIENT:** LJB Engineers & Architects  
**Project:** 09020 Piqua Power Plant

**Lab Order:** 10J1482

**Lab ID:** 10J1482-01  
**Client Sample ID:** MW-6d

**Collection Date:** 10/28/2010 12:15:00PM  
**Matrix:** Groundwater

Analysis	Result	PQL	Qual	Units	Dilution	Batch	Date Analyzed
<b>ICP_Ag</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>
Silver	BDL	0.000500		mg/L	1	1046178	11/11/2010 12:44:48AM
<b>ICP_Al</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>
Aluminum	BDL	0.0500		mg/L	1	1046178	11/11/2010 12:44:48AM
<b>ICP_As</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>
Arsenic	BDL	0.00500		mg/L	1	1046178	11/11/2010 12:44:48AM
<b>ICP_Ba</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>
Barium	0.127	0.00500		mg/L	1	1046178	11/11/2010 12:44:48AM
<b>ICP_Be</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>
Beryllium	BDL	0.000500		mg/L	1	1046178	11/11/2010 12:44:48AM
<b>ICP_Cd</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>
Cadmium	BDL	0.000500		mg/L	1	1046178	11/11/2010 12:44:48AM
<b>ICP_Co</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>
Cobalt	BDL	0.00500		mg/L	1	1046178	11/11/2010 12:44:48AM
<b>ICP_Cr</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>
Chromium	BDL	0.00500		mg/L	1	1046178	11/11/2010 12:44:48AM
<b>ICP_Ni</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>
Nickel	BDL	0.00500		mg/L	1	1046178	11/11/2010 12:44:48AM
<b>ICP_Pb</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>
Lead	BDL	0.00500		mg/L	1	1046178	11/11/2010 12:44:48AM
<b>ICP_Sb</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>
Antimony	BDL	0.00500		mg/L	1	1046178	11/11/2010 12:44:48AM
<b>ICP_Se</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>
Selenium	BDL	0.0100		mg/L	1	1046178	11/11/2010 12:44:48AM
<b>ICP_V</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>
Vanadium	BDL	0.00500		mg/L	1	1046178	11/11/2010 12:44:48AM
<b>ICP_Zn</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>
Zinc	BDL	0.0100		mg/L	1	1046178	11/11/2010 12:44:48AM
<b>GFAA TI</b>	<b>SW 7841</b>						<b>Analyst: RJE</b>

**CLIENT:** LJB Engineers & Architects  
**Project:** 09020 Piqua Power Plant

**Lab Order:** 10J1482

**Lab ID:** 10J1482-01  
**Client Sample ID:** MW-6d

**Collection Date:** 10/28/2010 12:15:00PM  
**Matrix:** Groundwater

Analysis	Result	PQL	Qual	Units	Dilution	Batch	Date Analyzed
Thallium	BDL	0.00100		mg/L	1	1046228	11/11/2010 9:55:00AM
<b>HG</b>		<b>SW 7470A</b>		<b>Analyst: KC</b>			
Mercury	BDL	0.000200		mg/L	1	1046276	11/11/2010 5:59:37PM
<b>PCB_8082</b>		<b>SW 8082</b>		<b>Analyst: FRS</b>			
Aroclor 1016	BDL	0.500		ug/L	1	1045010	11/8/2010 6:28:00PM
Aroclor 1221	BDL	0.500		ug/L	1	1045010	11/8/2010 6:28:00PM
Aroclor 1232	BDL	0.500		ug/L	1	1045010	11/8/2010 6:28:00PM
Aroclor 1242	BDL	0.500		ug/L	1	1045010	11/8/2010 6:28:00PM
Aroclor 1248	BDL	0.500		ug/L	1	1045010	11/8/2010 6:28:00PM
Aroclor 1254	BDL	0.500		ug/L	1	1045010	11/8/2010 6:28:00PM
Aroclor 1260	BDL	0.500		ug/L	1	1045010	11/8/2010 6:28:00PM
<i>Surrogate: Decachlorobiphenyl</i>		111 %		36-157		1045010	11/8/2010 6:28:00PM
<i>Surrogate: Tetrachloro-m-xylene</i>		63.0 %		28-127		1045010	11/8/2010 6:28:00PM
<b>VOC 8260</b>		<b>SW 8260B</b>		<b>Analyst: kds</b>			
1,1,1,2-Tetrachloroethane	BDL	5.00		ug/L	1	1046299	11/10/2010 6:58:00AM
1,1,1-Trichloroethane	BDL	5.00		ug/L	1	1046299	11/10/2010 6:58:00AM
1,1,2,2-Tetrachloroethane	BDL	5.00		ug/L	1	1046299	11/10/2010 6:58:00AM
1,1,2-Trichloroethane	BDL	5.00		ug/L	1	1046299	11/10/2010 6:58:00AM
1,1-Dichloroethane	BDL	5.00		ug/L	1	1046299	11/10/2010 6:58:00AM
1,1-Dichloroethene	BDL	5.00		ug/L	1	1046299	11/10/2010 6:58:00AM
1,1-Dichloropropene	BDL	5.00		ug/L	1	1046299	11/10/2010 6:58:00AM
1,2-Dibromoethane	BDL	5.00		ug/L	1	1046299	11/10/2010 6:58:00AM
1,2-Dichloroethane	BDL	5.00		ug/L	1	1046299	11/10/2010 6:58:00AM
1,2-Dichloropropane	BDL	5.00		ug/L	1	1046299	11/10/2010 6:58:00AM
1,3-Dichloropropane	BDL	5.00		ug/L	1	1046299	11/10/2010 6:58:00AM
2,2-Dichloropropane	BDL	5.00		ug/L	1	1046299	11/10/2010 6:58:00AM
2-Butanone	BDL	20.0		ug/L	1	1046299	11/10/2010 6:58:00AM
2-Chlorotoluene	BDL	5.00		ug/L	1	1046299	11/10/2010 6:58:00AM
2-Hexanone	BDL	20.0		ug/L	1	1046299	11/10/2010 6:58:00AM
4-Chlorotoluene	BDL	5.00		ug/L	1	1046299	11/10/2010 6:58:00AM
4-Methyl-2-pentanone	BDL	20.0		ug/L	1	1046299	11/10/2010 6:58:00AM
Acetone	BDL	20.0		ug/L	1	1046299	11/10/2010 6:58:00AM
Acetonitrile	BDL	40.0		ug/L	1	1046299	11/10/2010 6:58:00AM
Acrolein	BDL	20.0		ug/L	1	1046299	11/10/2010 6:58:00AM
Acrylonitrile	BDL	20.0		ug/L	1	1046299	11/10/2010 6:58:00AM
Allyl chloride	BDL	5.00		ug/L	1	1046299	11/10/2010 6:58:00AM
Benzene	BDL	5.00		ug/L	1	1046299	11/10/2010 6:58:00AM
Bromobenzene	BDL	5.00		ug/L	1	1046299	11/10/2010 6:58:00AM
Bromochloromethane	BDL	5.00		ug/L	1	1046299	11/10/2010 6:58:00AM
Bromodichloromethane	BDL	5.00		ug/L	1	1046299	11/10/2010 6:58:00AM
Bromoform	BDL	5.00		ug/L	1	1046299	11/10/2010 6:58:00AM
Bromomethane	BDL	5.00		ug/L	1	1046299	11/10/2010 6:58:00AM

**CLIENT:** LJB Engineers & Architects  
**Project:** 09020 Piqua Power Plant

**Lab Order:** 10J1482

**Lab ID:** 10J1482-01  
**Client Sample ID:** MW-6d

**Collection Date:** 10/28/2010 12:15:00PM  
**Matrix:** Groundwater

Analysis	Result	PQL	Qual	Units	Dilution	Batch	Date Analyzed
Carbon Disulfide	BDL	20.0		ug/L	1	1046299	11/10/2010 6:58:00AM
Carbon Tetrachloride	BDL	5.00		ug/L	1	1046299	11/10/2010 6:58:00AM
Chlorobenzene	BDL	5.00		ug/L	1	1046299	11/10/2010 6:58:00AM
Chloroethane	BDL	5.00		ug/L	1	1046299	11/10/2010 6:58:00AM
Chloroform	BDL	5.00		ug/L	1	1046299	11/10/2010 6:58:00AM
Chloromethane	BDL	5.00		ug/L	1	1046299	11/10/2010 6:58:00AM
cis-1,2-Dichloroethene	BDL	5.00		ug/L	1	1046299	11/10/2010 6:58:00AM
cis-1,3-Dichloropropene	BDL	5.00		ug/L	1	1046299	11/10/2010 6:58:00AM
Dibromochloromethane	BDL	5.00		ug/L	1	1046299	11/10/2010 6:58:00AM
Dibromomethane	BDL	5.00		ug/L	1	1046299	11/10/2010 6:58:00AM
Dichlorodifluoromethane	BDL	5.00		ug/L	1	1046299	11/10/2010 6:58:00AM
Ethylbenzene	BDL	5.00		ug/L	1	1046299	11/10/2010 6:58:00AM
Iodomethane	BDL	10.0		ug/L	1	1046299	11/10/2010 6:58:00AM
Methylene Chloride	BDL	5.00		ug/L	1	1046299	11/10/2010 6:58:00AM
Methyl tert-Butyl Ether	BDL	10.0		ug/L	1	1046299	11/10/2010 6:58:00AM
m,p-Xylene	BDL	10.0		ug/L	1	1046299	11/10/2010 6:58:00AM
n-Hexane	BDL	5.00		ug/L	1	1046299	11/10/2010 6:58:00AM
o-Xylene	BDL	5.00		ug/L	1	1046299	11/10/2010 6:58:00AM
Styrene	BDL	5.00		ug/L	1	1046299	11/10/2010 6:58:00AM
Tetrachloroethene	BDL	5.00		ug/L	1	1046299	11/10/2010 6:58:00AM
Toluene	BDL	5.00		ug/L	1	1046299	11/10/2010 6:58:00AM
trans-1,2-Dichloroethene	BDL	5.00		ug/L	1	1046299	11/10/2010 6:58:00AM
trans-1,3-Dichloropropene	BDL	5.00		ug/L	1	1046299	11/10/2010 6:58:00AM
Trichloroethene	BDL	5.00		ug/L	1	1046299	11/10/2010 6:58:00AM
Trichlorofluoromethane	BDL	5.00		ug/L	1	1046299	11/10/2010 6:58:00AM
Vinyl Chloride	BDL	1.00		ug/L	1	1046299	11/10/2010 6:58:00AM
Vinyl acetate	BDL	10.0		ug/L	1	1046299	11/10/2010 6:58:00AM

<i>Surrogate: 4-Bromofluorobenzene</i>	80.2 %	41-140	1046299	11/10/2010 6:58:00AM
<i>Surrogate: Dibromofluoromethane</i>	116 %	34-158	1046299	11/10/2010 6:58:00AM
<i>Surrogate: Toluene-d8</i>	98.2 %	47-147	1046299	11/10/2010 6:58:00AM
<i>Surrogate: 1,2-Dichloroethane-d4</i>	116 %	29-163	1046299	11/10/2010 6:58:00AM

**PAH\_FULL\_8270**

**Analyst: MBG**

2-Methylnaphthalene	BDL	10.0		ug/L	1	1045160	11/7/2010 2:13:00AM
Acenaphthene	BDL	10.0		ug/L	1	1045160	11/7/2010 2:13:00AM
Acenaphthylene	BDL	10.0		ug/L	1	1045160	11/7/2010 2:13:00AM
Anthracene	BDL	10.0		ug/L	1	1045160	11/7/2010 2:13:00AM
Benz(a)anthracene	BDL	0.260		ug/L	1	1045160	11/7/2010 2:13:00AM
Benzo(a)pyrene	BDL	0.200		ug/L	1	1045160	11/7/2010 2:13:00AM
Benzo(b)fluoranthene	BDL	0.170		ug/L	1	1045160	11/7/2010 2:13:00AM
Benzo(g,h,i)perylene	BDL	10.0		ug/L	1	1045160	11/7/2010 2:13:00AM
Benzo(k)fluoranthene	BDL	1.70		ug/L	1	1045160	11/7/2010 2:13:00AM
Chrysene	BDL	10.0		ug/L	1	1045160	11/7/2010 2:13:00AM
Dibenz(a,h)anthracene	BDL	0.100		ug/L	1	1045160	11/7/2010 2:13:00AM
Fluoranthene	BDL	10.0		ug/L	1	1045160	11/7/2010 2:13:00AM

**CLIENT:** LJB Engineers & Architects  
**Project:** 09020 Piqua Power Plant

**Lab Order:** 10J1482

**Lab ID:** 10J1482-01  
**Client Sample ID:** MW-6d

**Collection Date:** 10/28/2010 12:15:00PM  
**Matrix:** Groundwater

Analysis	Result	PQL	Qual	Units	Dilution	Batch	Date Analyzed
Fluorene	BDL	10.0		ug/L	1	1045160	11/7/2010 2:13:00AM
Indeno(1,2,3-cd)pyrene	BDL	0.220		ug/L	1	1045160	11/7/2010 2:13:00AM
Naphthalene	BDL	1.00		ug/L	1	1045160	11/7/2010 2:13:00AM
Phenanthrene	BDL	10.0		ug/L	1	1045160	11/7/2010 2:13:00AM
Pyrene	BDL	10.0		ug/L	1	1045160	11/7/2010 2:13:00AM
<i>Surrogate: Nitrobenzene-d5</i>		74.1 %			50-125	1045160	11/7/2010 2:13:00AM
<i>Surrogate: 2-Fluorobiphenyl</i>		62.1 %			50-120	1045160	11/7/2010 2:13:00AM
<i>Surrogate: Terphenyl-d14</i>		20.0 %	S-04		30-150	1045160	11/7/2010 2:13:00AM

**CLIENT:** LJB Engineers & Architects  
**Project:** 09020 Piqua Power Plant

**Lab Order:** 10J1482

**Lab ID:** 10J1482-02  
**Client Sample ID:** MW-6dd

**Collection Date:** 10/28/2010 12:15:00PM  
**Matrix:** Groundwater

Analysis	Result	PQL	Qual	Units	Dilution	Batch	Date Analyzed
<b>ICP_Ag</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>
Silver	BDL	0.000500		mg/L	1	1046178	11/11/2010 12:49:01AM
<b>ICP_AI</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>
Aluminum	BDL	0.0500		mg/L	1	1046178	11/11/2010 12:49:01AM
<b>ICP_As</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>
Arsenic	BDL	0.00500		mg/L	1	1046178	11/11/2010 12:49:01AM
<b>ICP_Ba</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>
<b>Barium</b>	<b>0.128</b>	0.00500		mg/L	1	1046178	11/11/2010 12:49:01AM
<b>ICP_Be</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>
Beryllium	BDL	0.000500		mg/L	1	1046178	11/11/2010 12:49:01AM
<b>ICP_Cd</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>
Cadmium	BDL	0.000500		mg/L	1	1046178	11/11/2010 12:49:01AM
<b>ICP_Co</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>
Cobalt	BDL	0.00500		mg/L	1	1046178	11/11/2010 12:49:01AM
<b>ICP_Cr</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>
Chromium	BDL	0.00500		mg/L	1	1046178	11/11/2010 12:49:01AM
<b>ICP_Ni</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>
Nickel	BDL	0.00500		mg/L	1	1046178	11/11/2010 12:49:01AM
<b>ICP_Pb</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>
Lead	BDL	0.00500		mg/L	1	1046178	11/11/2010 12:49:01AM
<b>ICP_Sb</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>
Antimony	BDL	0.00500		mg/L	1	1046178	11/11/2010 12:49:01AM
<b>ICP_Se</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>
Selenium	BDL	0.0100		mg/L	1	1046178	11/11/2010 12:49:01AM
<b>ICP_V</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>
Vanadium	BDL	0.00500		mg/L	1	1046178	11/11/2010 12:49:01AM
<b>ICP_Zn</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>
Zinc	BDL	0.0100		mg/L	1	1046178	11/11/2010 12:49:01AM
<b>GFAA TI</b>	<b>SW 7841</b>						<b>Analyst: RJE</b>

**CLIENT:** LJB Engineers & Architects  
**Project:** 09020 Piqua Power Plant

**Lab Order:** 10J1482

**Lab ID:** 10J1482-02  
**Client Sample ID:** MW-6dd

**Collection Date:** 10/28/2010 12:15:00PM  
**Matrix:** Groundwater

Analysis	Result	PQL	Qual	Units	Dilution	Batch	Date Analyzed
Thallium	BDL	0.00100		mg/L	1	1046228	11/11/2010 9:55:00AM
<b>HG</b>		<b>SW 7470A</b>		<b>Analyst: KC</b>			
Mercury	BDL	0.000200		mg/L	1	1046276	11/11/2010 5:59:37PM
<b>PCB_8082</b>		<b>SW 8082</b>		<b>Analyst: FRS</b>			
Aroclor 1016	BDL	0.500		ug/L	1	1045010	11/9/2010 7:58:00AM
Aroclor 1221	BDL	0.500		ug/L	1	1045010	11/9/2010 7:58:00AM
Aroclor 1232	BDL	0.500		ug/L	1	1045010	11/9/2010 7:58:00AM
Aroclor 1242	BDL	0.500		ug/L	1	1045010	11/9/2010 7:58:00AM
Aroclor 1248	BDL	0.500		ug/L	1	1045010	11/9/2010 7:58:00AM
Aroclor 1254	BDL	0.500		ug/L	1	1045010	11/9/2010 7:58:00AM
Aroclor 1260	BDL	0.500		ug/L	1	1045010	11/9/2010 7:58:00AM
<i>Surrogate: Decachlorobiphenyl</i>		98.0 %		36-157		1045010	11/9/2010 7:58:00AM
<i>Surrogate: Tetrachloro-m-xylene</i>		70.0 %		28-127		1045010	11/9/2010 7:58:00AM

<b>VOC 8260</b>		<b>SW 8260B</b>		<b>Analyst: kds</b>			
1,1,1,2-Tetrachloroethane	BDL	5.00		ug/L	1	1047123	11/10/2010 1:56:00PM
1,1,1-Trichloroethane	BDL	5.00		ug/L	1	1047123	11/10/2010 1:56:00PM
1,1,2,2-Tetrachloroethane	BDL	5.00		ug/L	1	1047123	11/10/2010 1:56:00PM
1,1,2-Trichloroethane	BDL	5.00		ug/L	1	1047123	11/10/2010 1:56:00PM
1,1-Dichloroethane	BDL	5.00		ug/L	1	1047123	11/10/2010 1:56:00PM
1,1-Dichloroethene	BDL	5.00		ug/L	1	1047123	11/10/2010 1:56:00PM
1,1-Dichloropropene	BDL	5.00		ug/L	1	1047123	11/10/2010 1:56:00PM
1,2-Dibromoethane	BDL	5.00		ug/L	1	1047123	11/10/2010 1:56:00PM
1,2-Dichloroethane	BDL	5.00		ug/L	1	1047123	11/10/2010 1:56:00PM
1,2-Dichloropropane	BDL	5.00		ug/L	1	1047123	11/10/2010 1:56:00PM
1,3-Dichloropropane	BDL	5.00		ug/L	1	1047123	11/10/2010 1:56:00PM
2,2-Dichloropropane	BDL	5.00		ug/L	1	1047123	11/10/2010 1:56:00PM
2-Butanone	BDL	20.0		ug/L	1	1047123	11/10/2010 1:56:00PM
2-Chlorotoluene	BDL	5.00		ug/L	1	1047123	11/10/2010 1:56:00PM
2-Hexanone	BDL	20.0		ug/L	1	1047123	11/10/2010 1:56:00PM
4-Chlorotoluene	BDL	5.00		ug/L	1	1047123	11/10/2010 1:56:00PM
4-Methyl-2-pentanone	BDL	20.0		ug/L	1	1047123	11/10/2010 1:56:00PM
Acetone	BDL	20.0		ug/L	1	1047123	11/10/2010 1:56:00PM
Acetonitrile	BDL	40.0		ug/L	1	1047123	11/10/2010 1:56:00PM
Acrolein	BDL	20.0		ug/L	1	1047123	11/10/2010 1:56:00PM
Acrylonitrile	BDL	20.0		ug/L	1	1047123	11/10/2010 1:56:00PM
Allyl chloride	BDL	5.00		ug/L	1	1047123	11/10/2010 1:56:00PM
Benzene	BDL	5.00		ug/L	1	1047123	11/10/2010 1:56:00PM
Bromobenzene	BDL	5.00		ug/L	1	1047123	11/10/2010 1:56:00PM
Bromochloromethane	BDL	5.00		ug/L	1	1047123	11/10/2010 1:56:00PM
Bromodichloromethane	BDL	5.00		ug/L	1	1047123	11/10/2010 1:56:00PM
Bromoform	BDL	5.00		ug/L	1	1047123	11/10/2010 1:56:00PM
Bromomethane	BDL	5.00		ug/L	1	1047123	11/10/2010 1:56:00PM



CLIENT: LJB Engineers & Architects  
 Project: 09020 Piqua Power Plant

Lab Order: 10J1482

Lab ID: 10J1482-02  
 Client Sample ID: MW-6dd

Collection Date: 10/28/2010 12:15:00PM  
 Matrix: Groundwater

Analysis	Result	PQL	Qual	Units	Dilution	Batch	Date Analyzed
Carbon Disulfide	BDL	20.0		ug/L	1	1047123	11/10/2010 1:56:00PM
Carbon Tetrachloride	BDL	5.00		ug/L	1	1047123	11/10/2010 1:56:00PM
Chlorobenzene	BDL	5.00		ug/L	1	1047123	11/10/2010 1:56:00PM
Chloroethane	BDL	5.00		ug/L	1	1047123	11/10/2010 1:56:00PM
Chloroform	BDL	5.00		ug/L	1	1047123	11/10/2010 1:56:00PM
Chloromethane	BDL	5.00		ug/L	1	1047123	11/10/2010 1:56:00PM
cis-1,2-Dichloroethene	BDL	5.00		ug/L	1	1047123	11/10/2010 1:56:00PM
cis-1,3-Dichloropropene	BDL	5.00		ug/L	1	1047123	11/10/2010 1:56:00PM
Dibromochloromethane	BDL	5.00		ug/L	1	1047123	11/10/2010 1:56:00PM
Dibromomethane	BDL	5.00		ug/L	1	1047123	11/10/2010 1:56:00PM
Dichlorodifluoromethane	BDL	5.00		ug/L	1	1047123	11/10/2010 1:56:00PM
Ethylbenzene	BDL	5.00		ug/L	1	1047123	11/10/2010 1:56:00PM
Iodomethane	BDL	10.0		ug/L	1	1047123	11/10/2010 1:56:00PM
Methylene Chloride	BDL	5.00		ug/L	1	1047123	11/10/2010 1:56:00PM
Methyl tert-Butyl Ether	BDL	10.0		ug/L	1	1047123	11/10/2010 1:56:00PM
m,p-Xylene	BDL	10.0		ug/L	1	1047123	11/10/2010 1:56:00PM
n-Hexane	BDL	5.00		ug/L	1	1047123	11/10/2010 1:56:00PM
o-Xylene	BDL	5.00		ug/L	1	1047123	11/10/2010 1:56:00PM
Styrene	BDL	5.00		ug/L	1	1047123	11/10/2010 1:56:00PM
Tetrachloroethene	BDL	5.00		ug/L	1	1047123	11/10/2010 1:56:00PM
Toluene	BDL	5.00		ug/L	1	1047123	11/10/2010 1:56:00PM
trans-1,2-Dichloroethene	BDL	5.00		ug/L	1	1047123	11/10/2010 1:56:00PM
trans-1,3-Dichloropropene	BDL	5.00		ug/L	1	1047123	11/10/2010 1:56:00PM
Trichloroethene	BDL	5.00		ug/L	1	1047123	11/10/2010 1:56:00PM
Trichlorofluoromethane	BDL	5.00		ug/L	1	1047123	11/10/2010 1:56:00PM
Vinyl Chloride	BDL	1.00		ug/L	1	1047123	11/10/2010 1:56:00PM
Vinyl acetate	BDL	10.0		ug/L	1	1047123	11/10/2010 1:56:00PM
<i>Surrogate: 4-Bromofluorobenzene</i>		78.9 %		41-140		1047123	11/10/2010 1:56:00PM
<i>Surrogate: Dibromofluoromethane</i>		107 %		34-158		1047123	11/10/2010 1:56:00PM
<i>Surrogate: Toluene-d8</i>		94.2 %		47-147		1047123	11/10/2010 1:56:00PM
<i>Surrogate: 1,2-Dichloroethane-d4</i>		108 %		29-163		1047123	11/10/2010 1:56:00PM

**PAH\_FULL\_8270**

Analyst: MBG

2-Methylnaphthalene	BDL	10.0		ug/L	1	1045160	11/7/2010 2:38:00AM
Acenaphthene	BDL	10.0		ug/L	1	1045160	11/7/2010 2:38:00AM
Acenaphthylene	BDL	10.0		ug/L	1	1045160	11/7/2010 2:38:00AM
Anthracene	BDL	10.0		ug/L	1	1045160	11/7/2010 2:38:00AM
Benz(a)anthracene	BDL	0.260		ug/L	1	1045160	11/7/2010 2:38:00AM
Benzo(a)pyrene	BDL	0.200		ug/L	1	1045160	11/7/2010 2:38:00AM
Benzo(b)fluoranthene	BDL	0.170		ug/L	1	1045160	11/7/2010 2:38:00AM
Benzo(g,h,i)perylene	BDL	10.0		ug/L	1	1045160	11/7/2010 2:38:00AM
Benzo(k)fluoranthene	BDL	1.70		ug/L	1	1045160	11/7/2010 2:38:00AM
Chrysene	BDL	10.0		ug/L	1	1045160	11/7/2010 2:38:00AM
Dibenz(a,h)anthracene	BDL	0.100		ug/L	1	1045160	11/7/2010 2:38:00AM
Fluoranthene	BDL	10.0		ug/L	1	1045160	11/7/2010 2:38:00AM

**CLIENT:** LJB Engineers & Architects  
**Project:** 09020 Piqua Power Plant

**Lab Order:** 10J1482

**Lab ID:** 10J1482-02  
**Client Sample ID:** MW-6dd

**Collection Date:** 10/28/2010 12:15:00PM  
**Matrix:** Groundwater

Analysis	Result	PQL	Qual	Units	Dilution	Batch	Date Analyzed
Fluorene	BDL	10.0		ug/L	1	1045160	11/7/2010 2:38:00AM
Indeno(1,2,3-cd)pyrene	BDL	0.220		ug/L	1	1045160	11/7/2010 2:38:00AM
Naphthalene	BDL	1.00		ug/L	1	1045160	11/7/2010 2:38:00AM
Phenanthrene	BDL	10.0		ug/L	1	1045160	11/7/2010 2:38:00AM
Pyrene	BDL	10.0		ug/L	1	1045160	11/7/2010 2:38:00AM
<i>Surrogate: Nitrobenzene-d5</i>		75.5 %			50-125	1045160	11/7/2010 2:38:00AM
<i>Surrogate: 2-Fluorobiphenyl</i>		63.2 %			50-120	1045160	11/7/2010 2:38:00AM
<i>Surrogate: Terphenyl-d14</i>		28.8 %	S-04		30-150	1045160	11/7/2010 2:38:00AM

CLIENT: LJB Engineers & Architects  
 Project: 09020 Piqua Power Plant

Lab Order: 10J1482

Lab ID: 10J1482-03  
 Client Sample ID: MW-7d

Collection Date: 10/28/2010 3:30:00PM  
 Matrix: Groundwater

Analysis	Result	PQL	Qual	Units	Dilution	Batch	Date Analyzed
<b>ICP_Ag</b> Silver	<b>SW 6010B</b> BDL	0.000500		mg/L	1	1046178	11/11/2010 12:53:13AM
							<b>Analyst: RJE</b>
<b>ICP_Al</b> Aluminum	<b>SW 6010B</b> 0.767	0.0500		mg/L	1	1046178	11/11/2010 12:53:13AM
							<b>Analyst: RJE</b>
<b>ICP_As</b> Arsenic	<b>SW 6010B</b> BDL	0.00500		mg/L	1	1046178	11/11/2010 12:53:13AM
							<b>Analyst: RJE</b>
<b>ICP_Ba</b> Barium	<b>SW 6010B</b> 0.0259	0.00500		mg/L	1	1046178	11/11/2010 12:53:13AM
							<b>Analyst: RJE</b>
<b>ICP_Be</b> Beryllium	<b>SW 6010B</b> BDL	0.000500		mg/L	1	1046178	11/11/2010 12:53:13AM
							<b>Analyst: RJE</b>
<b>ICP_Cd</b> Cadmium	<b>SW 6010B</b> BDL	0.000500		mg/L	1	1046178	11/11/2010 12:53:13AM
							<b>Analyst: RJE</b>
<b>ICP_Co</b> Cobalt	<b>SW 6010B</b> 0.00920	0.00500		mg/L	1	1046178	11/11/2010 12:53:13AM
							<b>Analyst: RJE</b>
<b>ICP_Cr</b> Chromium	<b>SW 6010B</b> BDL	0.00500		mg/L	1	1046178	11/11/2010 12:53:13AM
							<b>Analyst: RJE</b>
<b>ICP_Ni</b> Nickel	<b>SW 6010B</b> 0.0151	0.00500		mg/L	1	1046178	11/11/2010 12:53:13AM
							<b>Analyst: RJE</b>
<b>ICP_Pb</b> Lead	<b>SW 6010B</b> BDL	0.00500		mg/L	1	1046178	11/11/2010 12:53:13AM
							<b>Analyst: RJE</b>
<b>ICP_Sb</b> Antimony	<b>SW 6010B</b> BDL	0.00500		mg/L	1	1046178	11/11/2010 12:53:13AM
							<b>Analyst: RJE</b>
<b>ICP_Se</b> Selenium	<b>SW 6010B</b> BDL	0.0100		mg/L	1	1046178	11/11/2010 12:53:13AM
							<b>Analyst: RJE</b>
<b>ICP_V</b> Vanadium	<b>SW 6010B</b> BDL	0.00500		mg/L	1	1046178	11/11/2010 12:53:13AM
							<b>Analyst: RJE</b>
<b>ICP_Zn</b> Zinc	<b>SW 6010B</b> 0.0178	0.0100		mg/L	1	1046178	11/11/2010 12:53:13AM
							<b>Analyst: RJE</b>
<b>GFAA TI</b>	<b>SW 7841</b>						<b>Analyst: RJE</b>

**CLIENT:** LJB Engineers & Architects  
**Project:** 09020 Piqua Power Plant

**Lab Order:** 10J1482

**Lab ID:** 10J1482-03  
**Client Sample ID:** MW-7d

**Collection Date:** 10/28/2010 3:30:00PM  
**Matrix:** Groundwater

Analysis	Result	PQL	Qual	Units	Dilution	Batch	Date Analyzed
Thallium	BDL	0.00100		mg/L	1	1046228	11/11/2010 3:23:00PM
<b>HG</b>		<b>SW 7470A</b>		<b>Analyst: KC</b>			
Mercury	BDL	0.000200		mg/L	1	1046276	11/11/2010 5:59:37PM
<b>PCB_8082</b>		<b>SW 8082</b>		<b>Analyst: FRS</b>			
Aroclor 1016	BDL	0.500		ug/L	1	1045047	11/2/2010 11:34:00AM
Aroclor 1221	BDL	0.500		ug/L	1	1045047	11/2/2010 11:34:00AM
Aroclor 1232	BDL	0.500		ug/L	1	1045047	11/2/2010 11:34:00AM
Aroclor 1242	BDL	0.500		ug/L	1	1045047	11/2/2010 11:34:00AM
Aroclor 1248	BDL	0.500		ug/L	1	1045047	11/2/2010 11:34:00AM
Aroclor 1254	BDL	0.500		ug/L	1	1045047	11/2/2010 11:34:00AM
Aroclor 1260	BDL	0.500		ug/L	1	1045047	11/2/2010 11:34:00AM
<i>Surrogate: Decachlorobiphenyl</i>		61.0 %		36-157		1045047	11/2/2010 11:34:00AM
<i>Surrogate: Tetrachloro-m-xylene</i>		76.0 %		28-127		1045047	11/2/2010 11:34:00AM
<b>VOC 8260</b>		<b>SW 8260B</b>		<b>Analyst: kds</b>			
1,1,1,2-Tetrachloroethane	BDL	5.00		ug/L	1	1046299	11/10/2010 8:10:00AM
1,1,1-Trichloroethane	BDL	5.00		ug/L	1	1046299	11/10/2010 8:10:00AM
1,1,2,2-Tetrachloroethane	BDL	5.00		ug/L	1	1046299	11/10/2010 8:10:00AM
1,1,2-Trichloroethane	BDL	5.00		ug/L	1	1046299	11/10/2010 8:10:00AM
1,1-Dichloroethane	BDL	5.00		ug/L	1	1046299	11/10/2010 8:10:00AM
1,1-Dichloroethene	BDL	5.00		ug/L	1	1046299	11/10/2010 8:10:00AM
1,1-Dichloropropene	BDL	5.00		ug/L	1	1046299	11/10/2010 8:10:00AM
1,2-Dibromoethane	BDL	5.00		ug/L	1	1046299	11/10/2010 8:10:00AM
1,2-Dichloroethane	BDL	5.00		ug/L	1	1046299	11/10/2010 8:10:00AM
1,2-Dichloropropane	BDL	5.00		ug/L	1	1046299	11/10/2010 8:10:00AM
1,3-Dichloropropane	BDL	5.00		ug/L	1	1046299	11/10/2010 8:10:00AM
2,2-Dichloropropane	BDL	5.00		ug/L	1	1046299	11/10/2010 8:10:00AM
2-Butanone	BDL	20.0		ug/L	1	1046299	11/10/2010 8:10:00AM
2-Chlorotoluene	BDL	5.00		ug/L	1	1046299	11/10/2010 8:10:00AM
2-Hexanone	BDL	20.0		ug/L	1	1046299	11/10/2010 8:10:00AM
4-Chlorotoluene	BDL	5.00		ug/L	1	1046299	11/10/2010 8:10:00AM
4-Methyl-2-pentanone	BDL	20.0		ug/L	1	1046299	11/10/2010 8:10:00AM
Acetone	BDL	20.0		ug/L	1	1046299	11/10/2010 8:10:00AM
Acetonitrile	BDL	40.0		ug/L	1	1046299	11/10/2010 8:10:00AM
Acrolein	BDL	20.0		ug/L	1	1046299	11/10/2010 8:10:00AM
Acrylonitrile	BDL	20.0		ug/L	1	1046299	11/10/2010 8:10:00AM
Allyl chloride	BDL	5.00		ug/L	1	1046299	11/10/2010 8:10:00AM
Benzene	BDL	5.00		ug/L	1	1046299	11/10/2010 8:10:00AM
Bromobenzene	BDL	5.00		ug/L	1	1046299	11/10/2010 8:10:00AM
Bromochloromethane	BDL	5.00		ug/L	1	1046299	11/10/2010 8:10:00AM
Bromodichloromethane	BDL	5.00		ug/L	1	1046299	11/10/2010 8:10:00AM
Bromoform	BDL	5.00		ug/L	1	1046299	11/10/2010 8:10:00AM
Bromomethane	BDL	5.00		ug/L	1	1046299	11/10/2010 8:10:00AM

**CLIENT:** LJB Engineers & Architects  
**Project:** 09020 Piqua Power Plant

**Lab Order:** 10J1482

**Lab ID:** 10J1482-03  
**Client Sample ID:** MW-7d

**Collection Date:** 10/28/2010 3:30:00PM  
**Matrix:** Groundwater

Analysis	Result	PQL	Qual	Units	Dilution	Batch	Date Analyzed
Carbon Disulfide	BDL	20.0		ug/L	1	1046299	11/10/2010 8:10:00AM
Carbon Tetrachloride	BDL	5.00		ug/L	1	1046299	11/10/2010 8:10:00AM
Chlorobenzene	BDL	5.00		ug/L	1	1046299	11/10/2010 8:10:00AM
Chloroethane	BDL	5.00		ug/L	1	1046299	11/10/2010 8:10:00AM
Chloroform	BDL	5.00		ug/L	1	1046299	11/10/2010 8:10:00AM
Chloromethane	BDL	5.00		ug/L	1	1046299	11/10/2010 8:10:00AM
cis-1,2-Dichloroethene	BDL	5.00		ug/L	1	1046299	11/10/2010 8:10:00AM
cis-1,3-Dichloropropene	BDL	5.00		ug/L	1	1046299	11/10/2010 8:10:00AM
Dibromochloromethane	BDL	5.00		ug/L	1	1046299	11/10/2010 8:10:00AM
Dibromomethane	BDL	5.00		ug/L	1	1046299	11/10/2010 8:10:00AM
Dichlorodifluoromethane	BDL	5.00		ug/L	1	1046299	11/10/2010 8:10:00AM
Ethylbenzene	BDL	5.00		ug/L	1	1046299	11/10/2010 8:10:00AM
Iodomethane	BDL	10.0		ug/L	1	1046299	11/10/2010 8:10:00AM
Methylene Chloride	BDL	5.00		ug/L	1	1046299	11/10/2010 8:10:00AM
Methyl tert-Butyl Ether	BDL	10.0		ug/L	1	1046299	11/10/2010 8:10:00AM
m,p-Xylene	BDL	10.0		ug/L	1	1046299	11/10/2010 8:10:00AM
n-Hexane	BDL	5.00		ug/L	1	1046299	11/10/2010 8:10:00AM
o-Xylene	BDL	5.00		ug/L	1	1046299	11/10/2010 8:10:00AM
Styrene	BDL	5.00		ug/L	1	1046299	11/10/2010 8:10:00AM
Tetrachloroethene	BDL	5.00		ug/L	1	1046299	11/10/2010 8:10:00AM
Toluene	BDL	5.00		ug/L	1	1046299	11/10/2010 8:10:00AM
trans-1,2-Dichloroethene	BDL	5.00		ug/L	1	1046299	11/10/2010 8:10:00AM
trans-1,3-Dichloropropene	BDL	5.00		ug/L	1	1046299	11/10/2010 8:10:00AM
Trichloroethene	BDL	5.00		ug/L	1	1046299	11/10/2010 8:10:00AM
Trichlorofluoromethane	BDL	5.00		ug/L	1	1046299	11/10/2010 8:10:00AM
Vinyl Chloride	BDL	1.00		ug/L	1	1046299	11/10/2010 8:10:00AM
Vinyl acetate	BDL	10.0		ug/L	1	1046299	11/10/2010 8:10:00AM

<i>Surrogate: 4-Bromofluorobenzene</i>	77.6 %	41-140	1046299	11/10/2010 8:10:00AM
<i>Surrogate: Dibromofluoromethane</i>	111 %	34-158	1046299	11/10/2010 8:10:00AM
<i>Surrogate: Toluene-d8</i>	92.6 %	47-147	1046299	11/10/2010 8:10:00AM
<i>Surrogate: 1,2-Dichloroethane-d4</i>	112 %	29-163	1046299	11/10/2010 8:10:00AM

**PAH\_FULL\_8270**

**Analyst: MBG**

2-Methylnaphthalene	BDL	10.0		ug/L	1	1045160	11/7/2010 3:02:00AM
Acenaphthene	BDL	10.0		ug/L	1	1045160	11/7/2010 3:02:00AM
Acenaphthylene	BDL	10.0		ug/L	1	1045160	11/7/2010 3:02:00AM
Anthracene	BDL	10.0		ug/L	1	1045160	11/7/2010 3:02:00AM
Benz(a)anthracene	BDL	0.260		ug/L	1	1045160	11/7/2010 3:02:00AM
Benzo(a)pyrene	BDL	0.200		ug/L	1	1045160	11/7/2010 3:02:00AM
Benzo(b)fluoranthene	BDL	0.170		ug/L	1	1045160	11/7/2010 3:02:00AM
Benzo(g,h,i)perylene	BDL	10.0		ug/L	1	1045160	11/7/2010 3:02:00AM
Benzo(k)fluoranthene	BDL	1.70		ug/L	1	1045160	11/7/2010 3:02:00AM
Chrysene	BDL	10.0		ug/L	1	1045160	11/7/2010 3:02:00AM
Dibenz(a,h)anthracene	BDL	0.100		ug/L	1	1045160	11/7/2010 3:02:00AM
Fluoranthene	BDL	10.0		ug/L	1	1045160	11/7/2010 3:02:00AM

**CLIENT:** LJB Engineers & Architects  
**Project:** 09020 Piqua Power Plant

**Lab Order:** 10J1482

**Lab ID:** 10J1482-03  
**Client Sample ID:** MW-7d

**Collection Date:** 10/28/2010 3:30:00PM  
**Matrix:** Groundwater

Analysis	Result	PQL	Qual	Units	Dilution	Batch	Date Analyzed
Fluorene	BDL	10.0		ug/L	1	1045160	11/7/2010 3:02:00AM
Indeno(1,2,3-cd)pyrene	BDL	0.220		ug/L	1	1045160	11/7/2010 3:02:00AM
Naphthalene	BDL	1.00		ug/L	1	1045160	11/7/2010 3:02:00AM
Phenanthrene	BDL	10.0		ug/L	1	1045160	11/7/2010 3:02:00AM
Pyrene	BDL	10.0		ug/L	1	1045160	11/7/2010 3:02:00AM
<i>Surrogate: Nitrobenzene-d5</i>		69.5 %			50-125	1045160	11/7/2010 3:02:00AM
<i>Surrogate: 2-Fluorobiphenyl</i>		60.6 %			50-120	1045160	11/7/2010 3:02:00AM
<i>Surrogate: Terphenyl-d14</i>		23.3 %	S-04		30-150	1045160	11/7/2010 3:02:00AM

CLIENT: LJB Engineers & Architects  
 Project: 09020 Piqua Power Plant

Lab Order: 10J1482

Lab ID: 10J1482-04  
 Client Sample ID: T.B.

Collection Date: 10/28/2010 12:15:00PM  
 Matrix: Groundwater

Analysis	Result	PQL	Qual	Units	Dilution	Batch	Date Analyzed
<b>VOC 8260_TB</b>	<b>SW 8260B</b>						
						<b>Analyst: kds</b>	
1,1,1,2-Tetrachloroethane	BDL	5.00		ug/L	1	1046299	11/10/2010 5:45:00AM
1,1,1-Trichloroethane	BDL	5.00		ug/L	1	1046299	11/10/2010 5:45:00AM
1,1,2,2-Tetrachloroethane	BDL	5.00		ug/L	1	1046299	11/10/2010 5:45:00AM
1,1,2-Trichloroethane	BDL	5.00		ug/L	1	1046299	11/10/2010 5:45:00AM
1,1-Dichloroethane	BDL	5.00		ug/L	1	1046299	11/10/2010 5:45:00AM
1,1-Dichloroethene	BDL	5.00		ug/L	1	1046299	11/10/2010 5:45:00AM
1,1-Dichloropropene	BDL	5.00		ug/L	1	1046299	11/10/2010 5:45:00AM
1,2-Dibromoethane	BDL	5.00		ug/L	1	1046299	11/10/2010 5:45:00AM
1,2-Dichloroethane	BDL	5.00		ug/L	1	1046299	11/10/2010 5:45:00AM
1,2-Dichloropropane	BDL	5.00		ug/L	1	1046299	11/10/2010 5:45:00AM
1,3-Dichloropropane	BDL	5.00		ug/L	1	1046299	11/10/2010 5:45:00AM
2,2-Dichloropropane	BDL	5.00		ug/L	1	1046299	11/10/2010 5:45:00AM
2-Butanone	BDL	20.0		ug/L	1	1046299	11/10/2010 5:45:00AM
2-Chlorotoluene	BDL	5.00		ug/L	1	1046299	11/10/2010 5:45:00AM
2-Hexanone	BDL	20.0		ug/L	1	1046299	11/10/2010 5:45:00AM
4-Chlorotoluene	BDL	5.00		ug/L	1	1046299	11/10/2010 5:45:00AM
4-Methyl-2-pentanone	BDL	20.0		ug/L	1	1046299	11/10/2010 5:45:00AM
Acetone	BDL	20.0		ug/L	1	1046299	11/10/2010 5:45:00AM
Acetonitrile	BDL	40.0		ug/L	1	1046299	11/10/2010 5:45:00AM
Acrolein	BDL	20.0		ug/L	1	1046299	11/10/2010 5:45:00AM
Acrylonitrile	BDL	20.0		ug/L	1	1046299	11/10/2010 5:45:00AM
Allyl chloride	BDL	5.00		ug/L	1	1046299	11/10/2010 5:45:00AM
Benzene	BDL	5.00		ug/L	1	1046299	11/10/2010 5:45:00AM
Bromobenzene	BDL	5.00		ug/L	1	1046299	11/10/2010 5:45:00AM
Bromochloromethane	BDL	5.00		ug/L	1	1046299	11/10/2010 5:45:00AM
Bromodichloromethane	BDL	5.00		ug/L	1	1046299	11/10/2010 5:45:00AM
Bromoform	BDL	5.00		ug/L	1	1046299	11/10/2010 5:45:00AM
Bromomethane	BDL	5.00		ug/L	1	1046299	11/10/2010 5:45:00AM
Carbon Disulfide	BDL	20.0		ug/L	1	1046299	11/10/2010 5:45:00AM
Carbon Tetrachloride	BDL	5.00		ug/L	1	1046299	11/10/2010 5:45:00AM
Chlorobenzene	BDL	5.00		ug/L	1	1046299	11/10/2010 5:45:00AM
Chloroethane	BDL	5.00		ug/L	1	1046299	11/10/2010 5:45:00AM
Chloroform	BDL	5.00		ug/L	1	1046299	11/10/2010 5:45:00AM
Chloromethane	BDL	5.00		ug/L	1	1046299	11/10/2010 5:45:00AM
cis-1,2-Dichloroethene	BDL	5.00		ug/L	1	1046299	11/10/2010 5:45:00AM
cis-1,3-Dichloropropene	BDL	5.00		ug/L	1	1046299	11/10/2010 5:45:00AM
Dibromochloromethane	BDL	5.00		ug/L	1	1046299	11/10/2010 5:45:00AM
Dibromomethane	BDL	5.00		ug/L	1	1046299	11/10/2010 5:45:00AM
Dichlorodifluoromethane	BDL	5.00		ug/L	1	1046299	11/10/2010 5:45:00AM
Ethylbenzene	BDL	5.00		ug/L	1	1046299	11/10/2010 5:45:00AM
Iodomethane	BDL	10.0		ug/L	1	1046299	11/10/2010 5:45:00AM
Methylene Chloride	BDL	5.00		ug/L	1	1046299	11/10/2010 5:45:00AM
Methyl tert-Butyl Ether	BDL	10.0		ug/L	1	1046299	11/10/2010 5:45:00AM
m,p-Xylene	BDL	10.0		ug/L	1	1046299	11/10/2010 5:45:00AM
n-Butylbenzene	BDL	5.00		ug/L	1	1046299	11/10/2010 5:45:00AM

**CLIENT:** LJB Engineers & Architects  
**Project:** 09020 Piqua Power Plant

**Lab Order:** 10J1482

**Lab ID:** 10J1482-04  
**Client Sample ID:** T.B.

**Collection Date:** 10/28/2010 12:15:00PM  
**Matrix:** Groundwater

Analysis	Result	PQL	Qual	Units	Dilution	Batch	Date Analyzed
n-Hexane	BDL	5.00		ug/L	1	1046299	11/10/2010 5:45:00AM
o-Xylene	BDL	5.00		ug/L	1	1046299	11/10/2010 5:45:00AM
Styrene	BDL	5.00		ug/L	1	1046299	11/10/2010 5:45:00AM
Tetrachloroethene	BDL	5.00		ug/L	1	1046299	11/10/2010 5:45:00AM
Toluene	BDL	5.00		ug/L	1	1046299	11/10/2010 5:45:00AM
trans-1,2-Dichloroethene	BDL	5.00		ug/L	1	1046299	11/10/2010 5:45:00AM
trans-1,3-Dichloropropene	BDL	5.00		ug/L	1	1046299	11/10/2010 5:45:00AM
Trichloroethene	BDL	5.00		ug/L	1	1046299	11/10/2010 5:45:00AM
Trichlorofluoromethane	BDL	5.00		ug/L	1	1046299	11/10/2010 5:45:00AM
Vinyl Chloride	BDL	1.00		ug/L	1	1046299	11/10/2010 5:45:00AM
Vinyl acetate	BDL	10.0		ug/L	1	1046299	11/10/2010 5:45:00AM
<i>Surrogate: 4-Bromofluorobenzene</i>		81.9 %		41-140		1046299	11/10/2010 5:45:00AM
<i>Surrogate: Dibromofluoromethane</i>		117 %		34-158		1046299	11/10/2010 5:45:00AM
<i>Surrogate: Toluene-d8</i>		97.7 %		47-147		1046299	11/10/2010 5:45:00AM
<i>Surrogate: 1,2-Dichloroethane-d4</i>		122 %		29-163		1046299	11/10/2010 5:45:00AM





**CLIENT:** LJB Engineers & Architects  
**Project:** 09020 Piqua Power Plant

**Lab Order:** 10J1482

**Total Metals by ICP - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 1046178 - PREP ICP W**

**Blank (1046178-BLK1)**

Prepared & Analyzed: 11/10/10

Aluminum	BDL	0.0500	mg/L							
Antimony	BDL	0.00500	mg/L							
Arsenic	BDL	0.00500	mg/L							
Barium	BDL	0.00500	mg/L							
Beryllium	BDL	0.000500	mg/L							
Cadmium	BDL	0.000500	mg/L							
Chromium	BDL	0.00500	mg/L							
Cobalt	BDL	0.00500	mg/L							
Lead	BDL	0.00500	mg/L							
Nickel	BDL	0.00500	mg/L							
Selenium	BDL	0.0100	mg/L							
Silver	BDL	0.000500	mg/L							
Vanadium	BDL	0.00500	mg/L							
Zinc	BDL	0.0100	mg/L							

**LCS (1046178-BS1)**

Prepared & Analyzed: 11/10/10

Aluminum	0.952	0.0500	mg/L	1.000		95.2	85-115			
Antimony	0.890	0.00500	mg/L	1.000		89.0	85-115			
Arsenic	0.858	0.00500	mg/L	1.000		85.8	85-115			
Barium	0.870	0.00500	mg/L	1.000		87.0	85-115			
Beryllium	0.863	0.000500	mg/L	1.000		86.3	85-115			
Cadmium	0.843	0.000500	mg/L	1.000		84.3	85-115			
Chromium	0.859	0.00500	mg/L	1.000		85.9	85-115			
Cobalt	0.851	0.00500	mg/L	1.000		85.1	85-115			
Lead	0.856	0.00500	mg/L	1.000		85.6	85-115			
Nickel	0.870	0.00500	mg/L	1.000		87.0	85-115			
Selenium	0.869	0.0100	mg/L	1.000		86.9	85-115			
Silver	0.892	0.000500	mg/L	1.000		89.2	85-115			
Vanadium	0.898	0.00500	mg/L	1.000		89.8	85-115			
Zinc	0.868	0.0100	mg/L	1.000		86.8	85-115			

A-01

CLIENT: LJB Engineers & Architects  
 Project: 09020 Piqua Power Plant

Lab Order: 10J1482

**Total Metals by ICP - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 1046178 - PREP ICP W**

**LCS Dup (1046178-BSD1)**

Prepared & Analyzed: 11/10/10

Aluminum	0.979	0.0500	mg/L	1.000		97.9	85-115	2.80	20	
Antimony	0.913	0.00500	mg/L	1.000		91.3	85-115	2.55	20	
Arsenic	0.882	0.00500	mg/L	1.000		88.2	85-115	2.76	20	
Barium	0.897	0.00500	mg/L	1.000		89.7	85-115	3.06	20	
Beryllium	0.885	0.000500	mg/L	1.000		88.5	85-115	2.52	20	
Cadmium	0.851	0.000500	mg/L	1.000		85.1	85-115	0.945	20	
Chromium	0.881	0.00500	mg/L	1.000		88.1	85-115	2.53	20	
Cobalt	0.871	0.00500	mg/L	1.000		87.1	85-115	2.32	20	
Lead	0.854	0.00500	mg/L	1.000		85.4	85-115	0.234	20	
Nickel	0.872	0.00500	mg/L	1.000		87.2	85-115	0.230	20	
Selenium	0.872	0.0100	mg/L	1.000		87.2	85-115	0.345	20	
Silver	0.920	0.000500	mg/L	1.000		92.0	85-115	3.09	20	
Vanadium	0.921	0.00500	mg/L	1.000		92.1	85-115	2.53	20	
Zinc	0.889	0.0100	mg/L	1.000		88.9	85-115	2.39	20	

**Duplicate (1046178-DUP1)**

Source: 10J1393-13

Prepared & Analyzed: 11/10/10

Aluminum	0.0249	0.0500	mg/L		0.0448			57.1	20	R
Antimony	0.00208	0.00500	mg/L		0.0178			158	20	R
Arsenic	0.00645	0.00500	mg/L		0.0191			99.0	20	R
Barium	0.00849	0.00500	mg/L		0.00928			8.89	20	
Beryllium	BDL	0.000500	mg/L		ND				20	
Cadmium	BDL	0.000500	mg/L		ND				20	
Chromium	BDL	0.00500	mg/L		ND				20	
Cobalt	BDL	0.00500	mg/L		ND				20	
Lead	BDL	0.00500	mg/L		ND				20	
Nickel	BDL	0.00500	mg/L		0.000590				20	
Selenium	BDL	0.0100	mg/L		ND				20	
Silver	BDL	0.000500	mg/L		ND				20	
Vanadium	0.000200	0.00500	mg/L		ND				20	
Zinc	BDL	0.0100	mg/L		ND				20	

CLIENT: LJB Engineers & Architects  
 Project: 09020 Piqua Power Plant

Lab Order: 10J1482

**Total Metals by ICP - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 1046178 - PREP ICP W**

Matrix Spike (1046178-MS1)	Source: 10J1494-07			Prepared & Analyzed: 11/10/10						
Aluminum	0.973	0.0500	mg/L	1.000	ND	97.3	75-125			
Antimony	0.908	0.00500	mg/L	1.000	ND	90.8	75-125			
Arsenic	0.881	0.00500	mg/L	1.000	0.00160	87.9	75-125			
Barium	0.893	0.00500	mg/L	1.000	ND	89.3	75-125			
Beryllium	0.882	0.000500	mg/L	1.000	ND	88.2	75-125			
Cadmium	0.843	0.000500	mg/L	1.000	0.000780	84.2	75-125			
Chromium	0.879	0.00500	mg/L	1.000	ND	87.9	75-125			
Cobalt	0.872	0.00500	mg/L	1.000	ND	87.2	75-125			
Lead	0.856	0.00500	mg/L	1.000	ND	85.6	75-125			
Nickel	0.870	0.00500	mg/L	1.000	0.000640	86.9	75-125			
Selenium	0.869	0.0100	mg/L	1.000	ND	86.9	75-125			
Silver	0.911	0.000500	mg/L	1.000	ND	91.1	75-125			
Vanadium	0.919	0.00500	mg/L	1.000	ND	91.9	75-125			
Zinc	0.930	0.0100	mg/L	1.000	0.0462	88.4	75-125			

Matrix Spike Dup (1046178-MSD1)	Source: 10J1494-07			Prepared & Analyzed: 11/10/10						
Aluminum	0.996	0.0500	mg/L	1.000	ND	99.6	75-125	2.34	20	
Antimony	0.928	0.00500	mg/L	1.000	ND	92.8	75-125	2.18	20	
Arsenic	0.895	0.00500	mg/L	1.000	0.00160	89.3	75-125	1.58	20	
Barium	0.909	0.00500	mg/L	1.000	ND	90.9	75-125	1.78	20	
Beryllium	0.898	0.000500	mg/L	1.000	ND	89.8	75-125	1.80	20	
Cadmium	0.851	0.000500	mg/L	1.000	0.000780	85.0	75-125	0.945	20	
Chromium	0.894	0.00500	mg/L	1.000	ND	89.4	75-125	1.69	20	
Cobalt	0.887	0.00500	mg/L	1.000	ND	88.7	75-125	1.71	20	
Lead	0.865	0.00500	mg/L	1.000	ND	86.5	75-125	1.05	20	
Nickel	0.883	0.00500	mg/L	1.000	0.000640	88.2	75-125	1.48	20	
Selenium	0.888	0.0100	mg/L	1.000	ND	88.8	75-125	2.16	20	
Silver	0.931	0.000500	mg/L	1.000	ND	93.1	75-125	2.17	20	
Vanadium	0.938	0.00500	mg/L	1.000	ND	93.8	75-125	2.05	20	
Zinc	0.945	0.0100	mg/L	1.000	0.0462	89.9	75-125	1.60	20	

**CLIENT:** LJB Engineers & Architects  
**Project:** 09020 Piqua Power Plant

**Lab Order:** 10J1482

**Total Metals by ICP - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 1046178 - PREP ICP W**

<b>Post Spike (1046178-PS1)</b>	<b>Source: 10J1494-07</b>			<b>Prepared &amp; Analyzed: 11/10/10</b>						
Aluminum	0.990		mg/L	1.000	-0.00225	99.2	0-200			
Antimony	0.812		mg/L	1.000	-0.00183	81.4	0-200			
Arsenic	0.741		mg/L	1.000	0.00160	73.9	0-200			
Barium	0.898		mg/L	1.000	-0.00140	89.9	0-200			
Beryllium	0.888		mg/L	1.000	-0.000120	88.8	0-200			
Cadmium	0.841		mg/L	1.000	0.000780	84.0	0-200			
Chromium	0.885		mg/L	1.000	-0.000400	88.5	0-200			
Cobalt	0.876		mg/L	1.000	-0.000890	87.7	0-200			
Lead	0.855		mg/L	1.000	0.000370	85.5	0-200			
Nickel	0.873		mg/L	1.000	0.000640	87.2	0-200			
Selenium	0.873		mg/L	1.000	0.00187	87.1	0-200			
Silver	0.919		mg/L	1.000	-0.000330	91.9	0-200			
Vanadium	0.928		mg/L	1.000	-0.000190	92.8	0-200			
Zinc	0.936		mg/L	1.000	0.0462	89.0	0-200			

CLIENT: LJB Engineers & Architects  
 Project: 09020 Piqua Power Plant

Lab Order: 10J1482

**Metals by EPA 6000/7000 Series Methods - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 1046228 - PREP GFAA W**

**Blank (1046228-BLK1)** Prepared: 11/10/10 Analyzed: 11/11/10

Thallium	BDL	0.00100	mg/L							
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**LCS (1046228-BS1)** Prepared: 11/10/10 Analyzed: 11/11/10

Thallium	0.00982	0.00100	mg/L	0.01000		98	80-120			
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**LCS Dup (1046228-BSD1)** Prepared: 11/10/10 Analyzed: 11/11/10

Thallium	0.0104	0.00100	mg/L	0.01000		104	80-120	6	20	
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**Duplicate (1046228-DUP1)** Source: 10J1482-01 Prepared: 11/10/10 Analyzed: 11/11/10

Thallium	BDL	0.00100	mg/L		ND				200	
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**Matrix Spike (1046228-MS1)** Source: 10K0248-01 Prepared: 11/10/10 Analyzed: 11/11/10

Thallium	0.00986	0.00100	mg/L	0.01000	ND	99	70-130			
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**Matrix Spike Dup (1046228-MSD1)** Source: 10K0248-01 Prepared: 11/10/10 Analyzed: 11/11/10

Thallium	0.0101	0.00100	mg/L	0.01000	ND	101	70-130	2	30	
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**Post Spike (1046228-PS1)** Source: 10K0248-01 Prepared: 11/10/10 Analyzed: 11/11/10

Thallium	9.80		ug/L	10.00	0.100	97	0-200			
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**CLIENT:** LJB Engineers & Architects  
**Project:** 09020 Piqua Power Plant

**Lab Order:** 10J1482

**Mercury Analysis - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 1046276 - PREP HG W**

<b>Blank (1046276-BLK1)</b>				Prepared & Analyzed: 11/11/10						
Mercury	BDL	0.000200	mg/L							
<b>LCS (1046276-BS1)</b>				Prepared & Analyzed: 11/11/10						
Mercury	0.00696	0.000200	mg/L	0.007500		93	80-120			
<b>LCS Dup (1046276-BSD1)</b>				Prepared & Analyzed: 11/11/10						
Mercury	0.00720	0.000200	mg/L	0.007500		96	80-120	3	20	
<b>Matrix Spike (1046276-MS1)</b>				<b>Source: 10J1393-22</b>		Prepared & Analyzed: 11/11/10				
Mercury	0.00742	0.000200	mg/L	0.007500	ND	99	70-130			
<b>Matrix Spike Dup (1046276-MSD1)</b>				<b>Source: 10J1393-22</b>		Prepared & Analyzed: 11/11/10				
Mercury	0.00766	0.000200	mg/L	0.007500	ND	102	70-130	3	30	

CLIENT: LJB Engineers & Architects  
 Project: 09020 Piqua Power Plant

Lab Order: 10J1482

**Polychlorinated Biphenyls by EPA Method 8082 - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 1045010 - PREP PP W**

**Blank (1045010-BLK1)**

Prepared: 11/01/10 Analyzed: 11/02/10

Aroclor 1016	BDL	0.500	ug/L							
Aroclor 1221	BDL	0.500	ug/L							
Aroclor 1232	BDL	0.500	ug/L							
Aroclor 1242	BDL	0.500	ug/L							
Aroclor 1248	BDL	0.500	ug/L							
Aroclor 1254	BDL	0.500	ug/L							
Aroclor 1260	BDL	0.500	ug/L							
Surrogate: Decachlorobiphenyl	0.630		ug/L	1.000		63.0	36-157			
Surrogate: Tetrachloro-m-xylene	0.590		ug/L	1.000		59.0	28-127			

**LCS (1045010-BS1)**

Prepared: 11/01/10 Analyzed: 11/04/10

Aroclor 1016	20.8	0.500	ug/L	25.00		83.2	50-170			
Aroclor 1260	20.3	0.500	ug/L	25.00		81.4	53-163			
Surrogate: Decachlorobiphenyl	1.04		ug/L	1.000		104	36-157			
Surrogate: Tetrachloro-m-xylene	1.11		ug/L	1.000		111	28-127			

**LCS Dup (1045010-BSD1)**

Prepared: 11/01/10 Analyzed: 11/04/10

Aroclor 1016	21.5	0.500	ug/L	25.00		85.8	50-170	3.17	19	
Aroclor 1260	20.7	0.500	ug/L	25.00		82.8	53-163	1.71	22	
Surrogate: Decachlorobiphenyl	0.680		ug/L	1.000		68.0	36-157			
Surrogate: Tetrachloro-m-xylene	0.930		ug/L	1.000		93.0	28-127			

**Batch 1045047 - PREP PP W**

**Blank (1045047-BLK1)**

Prepared: 11/01/10 Analyzed: 11/02/10

Aroclor 1016	BDL	0.500	ug/L							
Aroclor 1221	BDL	0.500	ug/L							
Aroclor 1232	BDL	0.500	ug/L							
Aroclor 1242	BDL	0.500	ug/L							
Aroclor 1248	BDL	0.500	ug/L							
Aroclor 1254	BDL	0.500	ug/L							
Aroclor 1260	BDL	0.500	ug/L							
Surrogate: Decachlorobiphenyl	0.670		ug/L	1.000		67.0	36-157			
Surrogate: Tetrachloro-m-xylene	0.810		ug/L	1.000		81.0	28-127			



CLIENT: LJB Engineers & Architects  
 Project: 09020 Piqua Power Plant

Lab Order: 10J1482

**Polychlorinated Biphenyls by EPA Method 8082 - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 1045047 - PREP PP W**

**LCS (1045047-BS1)**

Prepared: 11/01/10 Analyzed: 11/02/10

Aroclor 1016	19.2	0.500	ug/L	25.00		77.0	50-170			
Aroclor 1260	19.7	0.500	ug/L	25.00		78.9	53-163			
Surrogate: Decachlorobiphenyl	1.02		ug/L	1.000		102	36-157			
Surrogate: Tetrachloro-m-xylene	0.730		ug/L	1.000		73.0	28-127			

**LCS Dup (1045047-BS1)**

Prepared: 11/01/10 Analyzed: 11/02/10

Aroclor 1016	19.8	0.500	ug/L	25.00		79.0	50-170	2.62	19	
Aroclor 1260	18.5	0.500	ug/L	25.00		73.9	53-163	6.49	22	
Surrogate: Decachlorobiphenyl	0.960		ug/L	1.000		96.0	36-157			
Surrogate: Tetrachloro-m-xylene	0.770		ug/L	1.000		77.0	28-127			

CLIENT: LJB Engineers & Architects  
 Project: 09020 Piqua Power Plant

Lab Order: 10J1482

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1046299 - VOC PREP

Blank (1046299-BLK1)

Prepared: 11/09/10 Analyzed: 11/10/10

1,1,1,2-Tetrachloroethane	BDL	1.00	ug/L							
1,1,1,2-Tetrachloroethane	BDL	5.00	ug/L							
1,1,1-Trichloroethane	BDL	1.00	ug/L							
1,1,1-Trichloroethane	BDL	5.00	ug/L							
1,1,2,2-Tetrachloroethane	BDL	1.00	ug/L							
1,1,2,2-Tetrachloroethane	BDL	5.00	ug/L							
1,1,2-Trichloroethane	BDL	1.00	ug/L							
1,1,2-Trichloroethane	BDL	5.00	ug/L							
1,1-Dichloroethane	BDL	2.00	ug/L							
1,1-Dichloroethane	BDL	5.00	ug/L							
1,1-Dichloroethene	BDL	1.00	ug/L							
1,1-Dichloroethene	BDL	5.00	ug/L							
1,1-Dichloropropene	BDL	5.00	ug/L							
1,1-Dichloropropene	BDL	5.00	ug/L							
1,2-Dibromoethane	BDL	5.00	ug/L							
1,2-Dibromoethane	BDL	5.00	ug/L							
1,2-Dichloroethane	BDL	1.00	ug/L							
1,2-Dichloroethane	BDL	5.00	ug/L							
1,2-Dichloropropane	BDL	1.00	ug/L							
1,2-Dichloropropane	BDL	5.00	ug/L							
1,3-Dichloropropane	BDL	1.00	ug/L							
1,3-Dichloropropane	BDL	5.00	ug/L							
2,2-Dichloropropane	BDL	1.00	ug/L							
2,2-Dichloropropane	BDL	5.00	ug/L							
2-Butanone	BDL	10.0	ug/L							
2-Butanone	BDL	20.0	ug/L							
2-Chlorotoluene	BDL	1.00	ug/L							
2-Chlorotoluene	BDL	5.00	ug/L							
2-Hexanone	BDL	10.0	ug/L							
2-Hexanone	BDL	20.0	ug/L							
4-Chlorotoluene	BDL	1.00	ug/L							
4-Chlorotoluene	BDL	5.00	ug/L							
4-Methyl-2-pentanone	BDL	10.0	ug/L							
4-Methyl-2-pentanone	BDL	20.0	ug/L							
Acetone	BDL	10.0	ug/L							
Acetone	BDL	20.0	ug/L							
Acetonitrile	BDL	40.0	ug/L							
Acetonitrile	BDL	40.0	ug/L							
Acrolein	BDL	20.0	ug/L							
Acrolein	BDL	20.0	ug/L							
Acrylonitrile	BDL	20.0	ug/L							
Acrylonitrile	BDL	10.0	ug/L							
Allyl chloride	BDL	1.00	ug/L							
Allyl chloride	BDL	5.00	ug/L							
Benzene	BDL	1.00	ug/L							

CLIENT: LJB Engineers & Architects  
 Project: 09020 Piqua Power Plant

Lab Order: 10J1482

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1046299 - VOC PREP

Blank (1046299-BLK1)

Prepared: 11/09/10 Analyzed: 11/10/10

Benzene	BDL	5.00	ug/L							
Bromobenzene	4.40	1.00	ug/L							
Bromobenzene	BDL	5.00	ug/L							
Bromochloromethane	BDL	1.00	ug/L							
Bromochloromethane	BDL	5.00	ug/L							
Bromodichloromethane	BDL	1.00	ug/L							
Bromodichloromethane	BDL	5.00	ug/L							
Bromoform	BDL	1.00	ug/L							
Bromoform	BDL	5.00	ug/L							
Bromomethane	BDL	2.00	ug/L							
Bromomethane	BDL	5.00	ug/L							
Carbon Disulfide	BDL	5.00	ug/L							
Carbon Disulfide	BDL	20.0	ug/L							
Carbon Tetrachloride	BDL	1.00	ug/L							
Carbon Tetrachloride	BDL	5.00	ug/L							
Chlorobenzene	BDL	1.00	ug/L							
Chlorobenzene	BDL	5.00	ug/L							
Chloroethane	BDL	1.00	ug/L							
Chloroethane	BDL	5.00	ug/L							
Chloroform	BDL	1.00	ug/L							
Chloroform	BDL	5.00	ug/L							
Chloromethane	BDL	1.00	ug/L							
Chloromethane	BDL	5.00	ug/L							
cis-1,2-Dichloroethene	BDL	1.00	ug/L							
cis-1,2-Dichloroethene	BDL	5.00	ug/L							
cis-1,3-Dichloropropene	BDL	1.00	ug/L							
cis-1,3-Dichloropropene	BDL	5.00	ug/L							
Dibromochloromethane	BDL	1.00	ug/L							
Dibromochloromethane	BDL	5.00	ug/L							
Dibromomethane	BDL	1.00	ug/L							
Dibromomethane	BDL	5.00	ug/L							
Dichlorodifluoromethane	BDL	2.00	ug/L							
Dichlorodifluoromethane	BDL	5.00	ug/L							
Ethylbenzene	BDL	1.00	ug/L							
Ethylbenzene	BDL	5.00	ug/L							
Iodomethane	BDL	10.0	ug/L							
Iodomethane	BDL	10.0	ug/L							
Methylene Chloride	BDL	5.00	ug/L							
Methylene Chloride	BDL	1.00	ug/L							
Methyl tert-Butyl Ether	BDL	10.0	ug/L							
Methyl tert-Butyl Ether	BDL	10.0	ug/L							
m,p-Xylene	BDL	2.00	ug/L							
m,p-Xylene	BDL	10.0	ug/L							
n-Butylbenzene	BDL	5.00	ug/L							
n-Hexane	BDL	5.00	ug/L							

CLIENT: LJB Engineers & Architects  
 Project: 09020 Piqua Power Plant

Lab Order: 10J1482

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1046299 - VOC PREP

Blank (1046299-BLK1)

Prepared: 11/09/10 Analyzed: 11/10/10

n-Hexane	BDL	5.00	ug/L							
o-Xylene	BDL	5.00	ug/L							
o-Xylene	BDL	1.00	ug/L							
Styrene	BDL	5.00	ug/L							
Styrene	BDL	1.00	ug/L							
Tetrachloroethene	BDL	5.00	ug/L							
Tetrachloroethene	BDL	2.00	ug/L							
Toluene	BDL	5.00	ug/L							
Toluene	BDL	1.00	ug/L							
trans-1,2-Dichloroethene	BDL	5.00	ug/L							
trans-1,2-Dichloroethene	BDL	1.00	ug/L							
trans-1,3-Dichloropropene	BDL	5.00	ug/L							
trans-1,3-Dichloropropene	BDL	1.00	ug/L							
Trichloroethene	BDL	2.00	ug/L							
Trichloroethene	BDL	5.00	ug/L							
Trichlorofluoromethane	BDL	5.00	ug/L							
Trichlorofluoromethane	BDL	2.00	ug/L							
Vinyl Chloride	BDL	1.00	ug/L							
Vinyl Chloride	BDL	1.00	ug/L							
Vinyl acetate	BDL	10.0	ug/L							
Vinyl acetate	BDL	10.0	ug/L							

Surrogate: 4-Bromofluorobenzene	41.6		ug/L	50.00		83.1	41-140			
Surrogate: 4-Bromofluorobenzene	41.6		ug/L	50.00		83.1	41-140			
Surrogate: Dibromofluoromethane	51.8		ug/L	50.00		104	34-158			
Surrogate: Dibromofluoromethane	51.8		ug/L	50.00		104	34-158			
Surrogate: Toluene-d8	47.5		ug/L	50.00		94.9	47-147			
Surrogate: Toluene-d8	47.5		ug/L	50.00		94.9	47-147			
Surrogate: 1,2-Dichloroethane-d4	54.9		ug/L	50.00		110	29-163			
Surrogate: 1,2-Dichloroethane-d4	54.9		ug/L	50.00		110	29-163			

CLIENT: LJB Engineers & Architects  
 Project: 09020 Piqua Power Plant

Lab Order: 10J1482

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1046299 - VOC PREP

LCS (1046299-BS1)

Prepared & Analyzed: 11/09/10

1,1,1,2-Tetrachloroethane	18.2	5.00	ug/L	20.00		91.2	78-128			
1,1,1,2-Tetrachloroethane	18.2	1.00	ug/L	20.00		91.2	78-128			
1,1,1-Trichloroethane	18.5	5.00	ug/L	20.00		92.6	70-135			
1,1,1-Trichloroethane	18.5	1.00	ug/L	20.00		92.6	70-135			
1,1,2,2-Tetrachloroethane	19.4	5.00	ug/L	20.00		97.0	68-135			
1,1,2,2-Tetrachloroethane	19.4	1.00	ug/L	20.00		97.0	68-135			
1,1,2-Trichloroethane	21.9	5.00	ug/L	20.00		110	74-131			
1,1,2-Trichloroethane	21.9	1.00	ug/L	20.00		110	74-131			
1,1-Dichloroethane	23.3	5.00	ug/L	20.00		116	72-134			
1,1-Dichloroethane	23.3	2.00	ug/L	20.00		116	72-134			
1,1-Dichloroethene	21.2	5.00	ug/L	20.00		106	62-143			
1,1-Dichloroethene	21.2	1.00	ug/L	20.00		106	62-143			
1,1-Dichloropropene	19.9	5.00	ug/L	20.00		99.7	82-128			
1,1-Dichloropropene	19.9	5.00	ug/L	20.00		99.7	82-128			
1,2-Dibromoethane	19.0	5.00	ug/L	20.00		94.8	67-132			
1,2-Dibromoethane	19.0	5.00	ug/L	20.00		94.8	67-132			
1,2-Dichloroethane	18.8	5.00	ug/L	20.00		93.8	72-131			
1,2-Dichloroethane	18.8	1.00	ug/L	20.00		93.8	72-131			
1,2-Dichloropropane	22.4	5.00	ug/L	20.00		112	75-128			
1,2-Dichloropropane	22.4	1.00	ug/L	20.00		112	75-128			
1,3-Dichloropropane	20.7	5.00	ug/L	20.00		104	73-130			
1,3-Dichloropropane	20.7	1.00	ug/L	20.00		104	73-130			
2,2-Dichloropropane	19.0	5.00	ug/L	20.00		95.0	45-173			
2,2-Dichloropropane	19.0	1.00	ug/L	20.00		95.0	45-173			
2-Butanone	105	20.0	ug/L	80.00		131	42-140			
2-Butanone	105	10.0	ug/L	80.00		131	42-140			
2-Chlorotoluene	18.4	5.00	ug/L	20.00		91.8	76-126			
2-Chlorotoluene	18.4	1.00	ug/L	20.00		91.8	76-126			
2-Hexanone	91.4	20.0	ug/L	80.00		114	18-178			
2-Hexanone	91.4	10.0	ug/L	80.00		114	18-178			
4-Chlorotoluene	18.1	5.00	ug/L	20.00		90.6	77-132			
4-Chlorotoluene	18.1	1.00	ug/L	20.00		90.6	77-132			
4-Methyl-2-pentanone	85.7	20.0	ug/L	80.00		107	42-160			
4-Methyl-2-pentanone	85.7	10.0	ug/L	80.00		107	42-160			
Acetone	100	20.0	ug/L	80.00		125	30-173			
Acetone	100	10.0	ug/L	80.00		125	30-173			
Acetonitrile	26.6	40.0	ug/L	20.00		133	58-150			
Acetonitrile	26.6	40.0	ug/L	20.00		133	58-150			
Acrylonitrile	24.6	10.0	ug/L	20.00		123	64-153			
Acrylonitrile	24.6	20.0	ug/L	20.00		123	64-153			
Allyl chloride	20.1	1.00	ug/L	20.00		100	67-149			
Allyl chloride	20.1	5.00	ug/L	20.00		100	67-149			
Benzene	21.0	1.00	ug/L	20.00		105	77-126			
Benzene	21.0	5.00	ug/L	20.00		105	77-126			
Bromobenzene	17.6	1.00	ug/L	20.00		88.2	72-131			

CLIENT: LJB Engineers & Architects  
 Project: 09020 Piqua Power Plant

Lab Order: 10J1482

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1046299 - VOC PREP

LCS (1046299-BS1)

Prepared & Analyzed: 11/09/10

Bromobenzene	17.6	5.00	ug/L	20.00		88.2	72-131			
Bromochloromethane	23.9	1.00	ug/L	20.00		120	71-135			
Bromochloromethane	23.9	5.00	ug/L	20.00		120	71-135			
Bromodichloromethane	20.2	1.00	ug/L	20.00		101	78-129			
Bromodichloromethane	20.2	5.00	ug/L	20.00		101	78-129			
Bromoform	16.9	1.00	ug/L	20.00		84.6	69-135			
Bromoform	16.9	5.00	ug/L	20.00		84.6	69-135			
Bromomethane	40.6	2.00	ug/L	20.00		203	14-193			L
Bromomethane	40.6	5.00	ug/L	20.00		203	14-193			L
Carbon Disulfide	21.7	5.00	ug/L	20.00		109	54-150			
Carbon Disulfide	21.7	20.0	ug/L	20.00		109	54-150			
Carbon Tetrachloride	18.5	1.00	ug/L	20.00		92.6	67-138			
Carbon Tetrachloride	18.5	5.00	ug/L	20.00		92.6	67-138			
Chlorobenzene	19.3	1.00	ug/L	20.00		96.6	77-125			
Chlorobenzene	19.3	5.00	ug/L	20.00		96.6	77-125			
Chloroethane	48.2	1.00	ug/L	20.00		241	27-170			L
Chloroethane	48.2	5.00	ug/L	20.00		241	27-170			L
Chloroform	22.9	1.00	ug/L	20.00		114	73-136			
Chloroform	22.9	5.00	ug/L	20.00		114	73-136			
Chloromethane	45.7	1.00	ug/L	20.00		228	44-145			L
Chloromethane	45.7	5.00	ug/L	20.00		228	44-145			L
cis-1,2-Dichloroethene	23.0	1.00	ug/L	20.00		115	77-137			
cis-1,2-Dichloroethene	23.0	5.00	ug/L	20.00		115	77-137			
cis-1,3-Dichloropropene	21.1	1.00	ug/L	20.00		106	70-133			
cis-1,3-Dichloropropene	21.1	5.00	ug/L	20.00		106	70-133			
Dibromochloromethane	18.6	1.00	ug/L	20.00		93.0	68-131			
Dibromochloromethane	18.6	5.00	ug/L	20.00		93.0	68-131			
Dibromomethane	20.5	1.00	ug/L	20.00		102	74-129			
Dibromomethane	20.5	5.00	ug/L	20.00		102	74-129			
Dichlorodifluoromethane	42.3	2.00	ug/L	20.00		211	41-145			L
Dichlorodifluoromethane	42.3	5.00	ug/L	20.00		211	41-145			L
Ethylbenzene	18.8	1.00	ug/L	20.00		93.8	79-126			
Ethylbenzene	18.8	5.00	ug/L	20.00		93.8	79-126			
Iodomethane	24.5	10.0	ug/L	20.00		123	52-150			
Iodomethane	24.5	10.0	ug/L	20.00		123	52-150			
Methylene Chloride	25.8	1.00	ug/L	20.00		129	43-162			
Methylene Chloride	25.8	5.00	ug/L	20.00		129	43-162			
Methyl tert-Butyl Ether	21.7	10.0	ug/L	20.00		108	63-134			
Methyl tert-Butyl Ether	21.7	10.0	ug/L	20.00		108	63-134			
m,p-Xylene	38.4	2.00	ug/L	40.00		96.0	82-132			
m,p-Xylene	38.4	10.0	ug/L	40.00		96.0	82-132			
n-Butylbenzene	21.4	5.00	ug/L	20.00		107	80-135			
n-Hexane	29.2	5.00	ug/L	21.20		138	10-216			
n-Hexane	29.2	5.00	ug/L	21.20		138	10-216			
o-Xylene	19.4	1.00	ug/L	20.00		97.2	81-128			

CLIENT: LJB Engineers & Architects  
 Project: 09020 Piqua Power Plant

Lab Order: 10J1482

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1046299 - VOC PREP

LCS (1046299-BS1)

Prepared & Analyzed: 11/09/10

o-Xylene	19.4	5.00	ug/L	20.00		97.2	81-128			
Styrene	20.0	5.00	ug/L	20.00		100	81-129			
Styrene	20.0	1.00	ug/L	20.00		100	81-129			
Tetrachloroethene	26.9	2.00	ug/L	20.00		135	43-152			
Tetrachloroethene	26.9	5.00	ug/L	20.00		135	43-152			
Toluene	20.5	1.00	ug/L	20.00		102	79-128			
Toluene	20.5	5.00	ug/L	20.00		102	79-128			
trans-1,2-Dichloroethene	22.1	1.00	ug/L	20.00		110	60-144			
trans-1,2-Dichloroethene	22.1	5.00	ug/L	20.00		110	60-144			
trans-1,3-Dichloropropene	21.4	1.00	ug/L	20.00		107	67-138			
trans-1,3-Dichloropropene	21.4	5.00	ug/L	20.00		107	67-138			
Trichloroethene	19.7	2.00	ug/L	20.00		98.6	74-132			
Trichloroethene	19.7	5.00	ug/L	20.00		98.6	74-132			
Trichlorofluoromethane	28.5	2.00	ug/L	20.00		143	48-170			
Trichlorofluoromethane	28.5	5.00	ug/L	20.00		143	48-170			
Vinyl Chloride	41.0	1.00	ug/L	20.00		205	60-143			L
Vinyl Chloride	41.0	1.00	ug/L	20.00		205	60-143			L
Vinyl acetate	14.7	10.0	ug/L	20.00		73.4	16-196			
Vinyl acetate	14.7	10.0	ug/L	20.00		73.4	16-196			
Surrogate: 4-Bromofluorobenzene	43.7		ug/L	50.00		87.4	41-140			
Surrogate: 4-Bromofluorobenzene	43.7		ug/L	50.00		87.4	41-140			
Surrogate: Dibromofluoromethane	53.3		ug/L	50.00		107	34-158			
Surrogate: Dibromofluoromethane	53.3		ug/L	50.00		107	34-158			
Surrogate: Toluene-d8	49.1		ug/L	50.00		98.3	47-147			
Surrogate: Toluene-d8	49.1		ug/L	50.00		98.3	47-147			
Surrogate: 1,2-Dichloroethane-d4	55.1		ug/L	50.00		110	29-163			
Surrogate: 1,2-Dichloroethane-d4	55.1		ug/L	50.00		110	29-163			

CLIENT: LJB Engineers & Architects  
 Project: 09020 Piqua Power Plant

Lab Order: 10J1482

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1046299 - VOC PREP

LCS Dup (1046299-BS1)

Prepared & Analyzed: 11/09/10

1,1,1,2-Tetrachloroethane	18.6	1.00	ug/L	20.00		92.8	78-128	1.74	16	
1,1,1,2-Tetrachloroethane	18.6	5.00	ug/L	20.00		92.8	78-128	1.74	16	
1,1,1-Trichloroethane	18.8	1.00	ug/L	20.00		93.8	70-135	1.23	20	
1,1,1-Trichloroethane	18.8	5.00	ug/L	20.00		93.8	70-135	1.23	20	
1,1,2,2-Tetrachloroethane	18.9	1.00	ug/L	20.00		94.6	68-135	2.56	19	
1,1,2,2-Tetrachloroethane	18.9	5.00	ug/L	20.00		94.6	68-135	2.56	19	
1,1,2-Trichloroethane	21.6	1.00	ug/L	20.00		108	74-131	1.52	16	
1,1,2-Trichloroethane	21.6	5.00	ug/L	20.00		108	74-131	1.52	16	
1,1-Dichloroethane	23.4	2.00	ug/L	20.00		117	72-134	0.771	19	
1,1-Dichloroethane	23.4	5.00	ug/L	20.00		117	72-134	0.771	19	
1,1-Dichloroethene	21.5	1.00	ug/L	20.00		107	62-143	1.08	20	
1,1-Dichloroethene	21.5	5.00	ug/L	20.00		107	62-143	1.08	20	
1,1-Dichloropropene	20.6	5.00	ug/L	20.00		103	82-128	3.45	18	
1,1-Dichloropropene	20.6	5.00	ug/L	20.00		103	82-128	3.45	18	
1,2-Dibromoethane	18.9	5.00	ug/L	20.00		94.4	67-132	0.476	13	
1,2-Dibromoethane	18.9	5.00	ug/L	20.00		94.4	67-132	0.476	13	
1,2-Dichloroethane	18.7	1.00	ug/L	20.00		93.6	72-131	0.267	16	
1,2-Dichloroethane	18.7	5.00	ug/L	20.00		93.6	72-131	0.267	16	
1,2-Dichloropropane	22.2	1.00	ug/L	20.00		111	75-128	0.850	19	
1,2-Dichloropropane	22.2	5.00	ug/L	20.00		111	75-128	0.850	19	
1,3-Dichloropropane	20.8	1.00	ug/L	20.00		104	73-130	0.625	13	
1,3-Dichloropropane	20.8	5.00	ug/L	20.00		104	73-130	0.625	13	
2,2-Dichloropropane	18.9	1.00	ug/L	20.00		94.6	45-173	0.422	25	
2,2-Dichloropropane	18.9	5.00	ug/L	20.00		94.6	45-173	0.422	25	
2-Butanone	101	10.0	ug/L	80.00		126	42-140	4.00	18	
2-Butanone	101	20.0	ug/L	80.00		126	42-140	4.00	18	
2-Chlorotoluene	18.8	1.00	ug/L	20.00		94.0	76-126	2.37	20	
2-Chlorotoluene	18.8	5.00	ug/L	20.00		94.0	76-126	2.37	20	
2-Hexanone	89.1	10.0	ug/L	80.00		111	18-178	2.53	17	
2-Hexanone	89.1	20.0	ug/L	80.00		111	18-178	2.53	17	
4-Chlorotoluene	18.4	1.00	ug/L	20.00		92.2	77-132	1.64	22	
4-Chlorotoluene	18.4	5.00	ug/L	20.00		92.2	77-132	1.64	22	
4-Methyl-2-pentanone	85.7	10.0	ug/L	80.00		107	42-160	0.0117	67	
4-Methyl-2-pentanone	85.7	20.0	ug/L	80.00		107	42-160	0.0117	67	
Acetone	95.4	10.0	ug/L	80.00		119	30-173	4.68	24	
Acetone	95.4	20.0	ug/L	80.00		119	30-173	4.68	24	
Acetonitrile	25.2	40.0	ug/L	20.00		126	58-150	5.55	25	
Acetonitrile	25.2	40.0	ug/L	20.00		126	58-150	5.55	25	
Acrylonitrile	23.9	10.0	ug/L	20.00		120	64-153	2.76	20	
Acrylonitrile	23.9	20.0	ug/L	20.00		120	64-153	2.76	20	
Allyl chloride	19.5	1.00	ug/L	20.00		97.4	67-149	3.08	16	
Allyl chloride	19.5	5.00	ug/L	20.00		97.4	67-149	3.08	16	
Benzene	21.3	1.00	ug/L	20.00		106	77-126	1.18	19	
Benzene	21.3	5.00	ug/L	20.00		106	77-126	1.18	19	
Bromobenzene	18.1	1.00	ug/L	20.00		90.3	72-131	2.35	20	B



CLIENT: LJB Engineers & Architects  
 Project: 09020 Piqua Power Plant

Lab Order: 10J1482

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1046299 - VOC PREP

LCS Dup (1046299-BSD1)

Prepared & Analyzed: 11/09/10

Bromobenzene	18.1	5.00	ug/L	20.00		90.3	72-131	2.35	20	
Bromochloromethane	23.1	1.00	ug/L	20.00		116	71-135	3.32	16	
Bromochloromethane	23.1	5.00	ug/L	20.00		116	71-135	3.32	16	
Bromodichloromethane	20.1	1.00	ug/L	20.00		100	78-129	0.248	17	
Bromodichloromethane	20.1	5.00	ug/L	20.00		100	78-129	0.248	17	
Bromoform	17.1	1.00	ug/L	20.00		85.5	69-135	1.12	18	
Bromoform	17.1	5.00	ug/L	20.00		85.5	69-135	1.12	18	
Bromomethane	40.6	2.00	ug/L	20.00		203	14-193	0.00	28	L
Bromomethane	40.6	5.00	ug/L	20.00		203	14-193	0.00	28	L
Carbon Disulfide	22.0	5.00	ug/L	20.00		110	54-150	1.46	19	
Carbon Disulfide	22.0	20.0	ug/L	20.00		110	54-150	1.46	19	
Carbon Tetrachloride	18.8	5.00	ug/L	20.00		93.8	67-138	1.29	21	
Carbon Tetrachloride	18.8	1.00	ug/L	20.00		93.8	67-138	1.29	21	
Chlorobenzene	19.9	5.00	ug/L	20.00		99.3	77-125	2.81	19	
Chlorobenzene	19.9	1.00	ug/L	20.00		99.3	77-125	2.81	19	
Chloroethane	51.1	5.00	ug/L	20.00		256	27-170	5.78	64	L
Chloroethane	51.1	1.00	ug/L	20.00		256	27-170	5.78	64	L
Chloroform	22.8	5.00	ug/L	20.00		114	73-136	0.219	19	
Chloroform	22.8	1.00	ug/L	20.00		114	73-136	0.219	19	
Chloromethane	45.8	5.00	ug/L	20.00		229	44-145	0.197	26	L
Chloromethane	45.8	1.00	ug/L	20.00		229	44-145	0.197	26	L
cis-1,2-Dichloroethene	23.3	5.00	ug/L	20.00		116	77-137	1.17	17	
cis-1,2-Dichloroethene	23.3	1.00	ug/L	20.00		116	77-137	1.17	17	
cis-1,3-Dichloropropene	21.3	5.00	ug/L	20.00		107	70-133	0.942	19	
cis-1,3-Dichloropropene	21.3	1.00	ug/L	20.00		107	70-133	0.942	19	
Dibromochloromethane	18.7	5.00	ug/L	20.00		93.6	68-131	0.750	18	
Dibromochloromethane	18.7	1.00	ug/L	20.00		93.6	68-131	0.750	18	
Dibromomethane	20.4	5.00	ug/L	20.00		102	74-129	0.441	16	
Dibromomethane	20.4	1.00	ug/L	20.00		102	74-129	0.441	16	
Dichlorodifluoromethane	43.2	5.00	ug/L	20.00		216	41-145	2.11	15	L
Dichlorodifluoromethane	43.2	2.00	ug/L	20.00		216	41-145	2.11	15	L
Ethylbenzene	19.4	5.00	ug/L	20.00		96.8	79-126	3.20	20	
Ethylbenzene	19.4	1.00	ug/L	20.00		96.8	79-126	3.20	20	
Iodomethane	25.5	10.0	ug/L	20.00		127	52-150	3.80	25	
Iodomethane	25.5	10.0	ug/L	20.00		127	52-150	3.80	25	
Methylene Chloride	25.9	5.00	ug/L	20.00		130	43-162	0.232	28	
Methylene Chloride	25.9	1.00	ug/L	20.00		130	43-162	0.232	28	
Methyl tert-Butyl Ether	21.1	10.0	ug/L	20.00		106	63-134	2.62	20	
Methyl tert-Butyl Ether	21.1	10.0	ug/L	20.00		106	63-134	2.62	20	
m,p-Xylene	39.8	10.0	ug/L	40.00		99.5	82-132	3.58	18	
m,p-Xylene	39.8	2.00	ug/L	40.00		99.5	82-132	3.58	18	
n-Butylbenzene	21.7	5.00	ug/L	20.00		108	80-135	1.49	18	
n-Hexane	29.5	5.00	ug/L	21.20		139	10-216	0.851	64	
n-Hexane	29.5	5.00	ug/L	21.20		139	10-216	0.851	64	
o-Xylene	19.8	5.00	ug/L	20.00		99.1	81-128	1.88	19	

CLIENT: LJB Engineers & Architects  
 Project: 09020 Piqua Power Plant

Lab Order: 10J1482

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1046299 - VOC PREP

LCS Dup (1046299-BSD1)

Prepared & Analyzed: 11/09/10

o-Xylene	19.8	1.00	ug/L	20.00		99.1	81-128	1.88	19	
Styrene	20.2	5.00	ug/L	20.00		101	81-129	0.995	17	
Styrene	20.2	1.00	ug/L	20.00		101	81-129	0.995	17	
Tetrachloroethene	29.1	5.00	ug/L	20.00		145	43-152	7.64	29	
Tetrachloroethene	29.1	2.00	ug/L	20.00		145	43-152	7.64	29	
Toluene	20.8	5.00	ug/L	20.00		104	79-128	1.64	19	
Toluene	20.8	1.00	ug/L	20.00		104	79-128	1.64	19	
trans-1,2-Dichloroethene	22.5	5.00	ug/L	20.00		112	60-144	1.88	20	
trans-1,2-Dichloroethene	22.5	1.00	ug/L	20.00		112	60-144	1.88	20	
trans-1,3-Dichloropropene	21.3	1.00	ug/L	20.00		107	67-138	0.608	17	
trans-1,3-Dichloropropene	21.3	5.00	ug/L	20.00		107	67-138	0.608	17	
Trichloroethene	20.4	5.00	ug/L	20.00		102	74-132	3.39	20	
Trichloroethene	20.4	2.00	ug/L	20.00		102	74-132	3.39	20	
Trichlorofluoromethane	29.5	5.00	ug/L	20.00		148	48-170	3.44	50	
Trichlorofluoromethane	29.5	2.00	ug/L	20.00		148	48-170	3.44	50	
Vinyl Chloride	42.9	1.00	ug/L	20.00		214	60-143	4.51	19	L
Vinyl Chloride	42.9	1.00	ug/L	20.00		214	60-143	4.51	19	L
Vinyl acetate	12.4	10.0	ug/L	20.00		62.0	16-196	16.9	45	
Vinyl acetate	12.4	10.0	ug/L	20.00		62.0	16-196	16.9	45	
Surrogate: 4-Bromofluorobenzene	43.7		ug/L	50.00		87.4	41-140			
Surrogate: 4-Bromofluorobenzene	43.7		ug/L	50.00		87.4	41-140			
Surrogate: Dibromofluoromethane	51.5		ug/L	50.00		103	34-158			
Surrogate: Dibromofluoromethane	51.5		ug/L	50.00		103	34-158			
Surrogate: Toluene-d8	48.4		ug/L	50.00		96.8	47-147			
Surrogate: Toluene-d8	48.4		ug/L	50.00		96.8	47-147			
Surrogate: 1,2-Dichloroethane-d4	54.0		ug/L	50.00		108	29-163			
Surrogate: 1,2-Dichloroethane-d4	54.0		ug/L	50.00		108	29-163			

CLIENT: LJB Engineers & Architects  
 Project: 09020 Piqua Power Plant

Lab Order: 10J1482

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1047123 - VOC PREP

Blank (1047123-BLK1)

Prepared & Analyzed: 11/10/10

1,1,1,2-Tetrachloroethane	BDL	5.00	ug/L							
1,1,1-Trichloroethane	BDL	5.00	ug/L							
1,1,2,2-Tetrachloroethane	BDL	5.00	ug/L							
1,1,2-Trichloroethane	BDL	5.00	ug/L							
1,1-Dichloroethane	BDL	5.00	ug/L							
1,1-Dichloroethene	BDL	5.00	ug/L							
1,1-Dichloropropene	BDL	5.00	ug/L							
1,2-Dibromoethane	BDL	5.00	ug/L							
1,2-Dichloroethane	BDL	5.00	ug/L							
1,2-Dichloropropane	BDL	5.00	ug/L							
1,3-Dichloropropane	BDL	5.00	ug/L							
2,2-Dichloropropane	BDL	5.00	ug/L							
2-Butanone	BDL	20.0	ug/L							
2-Chlorotoluene	BDL	5.00	ug/L							
2-Hexanone	BDL	20.0	ug/L							
4-Chlorotoluene	BDL	5.00	ug/L							
4-Methyl-2-pentanone	BDL	20.0	ug/L							
Acetone	BDL	20.0	ug/L							
Acetonitrile	BDL	40.0	ug/L							
Acrolein	BDL	20.0	ug/L							
Acrylonitrile	BDL	20.0	ug/L							
Allyl chloride	BDL	5.00	ug/L							
Benzene	BDL	5.00	ug/L							
Bromobenzene	BDL	5.00	ug/L							
Bromochloromethane	BDL	5.00	ug/L							
Bromodichloromethane	BDL	5.00	ug/L							
Bromoform	BDL	5.00	ug/L							
Bromomethane	BDL	5.00	ug/L							
Carbon Disulfide	BDL	20.0	ug/L							
Carbon Tetrachloride	BDL	5.00	ug/L							
Chlorobenzene	BDL	5.00	ug/L							
Chloroethane	BDL	5.00	ug/L							
Chloroform	BDL	5.00	ug/L							
Chloromethane	BDL	5.00	ug/L							
cis-1,2-Dichloroethene	BDL	5.00	ug/L							
cis-1,3-Dichloropropene	BDL	5.00	ug/L							
Dibromochloromethane	BDL	5.00	ug/L							
Dibromomethane	BDL	5.00	ug/L							
Dichlorodifluoromethane	BDL	5.00	ug/L							
Ethylbenzene	BDL	5.00	ug/L							
Iodomethane	BDL	10.0	ug/L							
Methylene Chloride	BDL	5.00	ug/L							
Methyl tert-Butyl Ether	BDL	10.0	ug/L							
m,p-Xylene	BDL	10.0	ug/L							
n-Hexane	BDL	5.00	ug/L							

CLIENT: LJB Engineers & Architects  
 Project: 09020 Piqua Power Plant

Lab Order: 10J1482

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1047123 - VOC PREP

Blank (1047123-BLK1)

Prepared & Analyzed: 11/10/10

o-Xylene	BDL	5.00	ug/L							
Styrene	BDL	5.00	ug/L							
Tetrachloroethene	BDL	5.00	ug/L							
Toluene	BDL	5.00	ug/L							
trans-1,2-Dichloroethene	BDL	5.00	ug/L							
trans-1,3-Dichloropropene	BDL	5.00	ug/L							
Trichloroethene	BDL	5.00	ug/L							
Trichlorofluoromethane	BDL	5.00	ug/L							
Vinyl Chloride	BDL	1.00	ug/L							
Vinyl acetate	BDL	10.0	ug/L							
Surrogate: 4-Bromofluorobenzene	39.0		ug/L	50.00		77.9	41-140			
Surrogate: Dibromofluoromethane	50.2		ug/L	50.00		100	34-158			
Surrogate: Toluene-d8	46.8		ug/L	50.00		93.5	47-147			
Surrogate: 1,2-Dichloroethane-d4	51.3		ug/L	50.00		103	29-163			

LCS (1047123-BS1)

Prepared & Analyzed: 11/10/10

1,1,1,2-Tetrachloroethane	16.0	5.00	ug/L	20.00		79.8	78-128			
1,1,1-Trichloroethane	16.4	5.00	ug/L	20.00		81.8	70-135			
1,1,2,2-Tetrachloroethane	16.0	5.00	ug/L	20.00		79.9	68-135			
1,1,2-Trichloroethane	17.9	5.00	ug/L	20.00		89.4	74-131			
1,1-Dichloroethane	21.8	5.00	ug/L	20.00		109	72-134			
1,1-Dichloroethene	19.6	5.00	ug/L	20.00		97.8	62-143			
1,1-Dichloropropene	18.5	5.00	ug/L	20.00		92.4	82-128			
1,2-Dibromoethane	14.9	5.00	ug/L	20.00		74.6	67-132			
1,2-Dichloroethane	15.4	5.00	ug/L	20.00		77.2	72-131			
1,2-Dichloropropane	19.8	5.00	ug/L	20.00		99.0	75-128			
1,3-Dichloropropane	17.2	5.00	ug/L	20.00		86.2	73-130			
2,2-Dichloropropane	21.2	5.00	ug/L	20.00		106	45-173			
2-Butanone	74.3	20.0	ug/L	80.00		92.9	42-140			
2-Chlorotoluene	17.3	5.00	ug/L	20.00		86.4	76-126			
2-Hexanone	67.7	20.0	ug/L	80.00		84.7	18-178			
4-Chlorotoluene	17.1	5.00	ug/L	20.00		85.4	77-132			
4-Methyl-2-pentanone	62.8	20.0	ug/L	80.00		78.5	42-160			
Acetone	79.6	20.0	ug/L	80.00		99.6	30-173			
Acetonitrile	21.8	40.0	ug/L	20.00		109	58-150			
Acrylonitrile	18.5	20.0	ug/L	20.00		92.7	64-153			
Allyl chloride	19.4	5.00	ug/L	20.00		97.0	67-149			
Benzene	19.6	5.00	ug/L	20.00		97.8	77-126			
Bromobenzene	16.0	5.00	ug/L	20.00		79.8	72-131			
Bromochloromethane	19.9	5.00	ug/L	20.00		99.6	71-135			
Bromodichloromethane	17.0	5.00	ug/L	20.00		85.0	78-129			
Bromoform	12.7	5.00	ug/L	20.00		63.7	69-135			L
Bromomethane	57.5	5.00	ug/L	20.00		288	14-193			L
Carbon Disulfide	19.5	20.0	ug/L	20.00		97.4	54-150			
Carbon Tetrachloride	16.3	5.00	ug/L	20.00		81.3	67-138			

CLIENT: LJB Engineers & Architects  
 Project: 09020 Piqua Power Plant

Lab Order: 10J1482

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1047123 - VOC PREP

LCS (1047123-BS1)

Prepared & Analyzed: 11/10/10

Chlorobenzene	18.1	5.00	ug/L	20.00		90.4	77-125			
Chloroethane	78.8	5.00	ug/L	20.00		394	27-170			L
Chloroform	20.8	5.00	ug/L	20.00		104	73-136			
Chloromethane	65.8	5.00	ug/L	20.00		329	44-145			L
cis-1,2-Dichloroethene	21.5	5.00	ug/L	20.00		108	77-137			
cis-1,3-Dichloropropene	18.5	5.00	ug/L	20.00		92.4	70-133			
Dibromochloromethane	15.1	5.00	ug/L	20.00		75.6	68-131			
Dibromomethane	16.6	5.00	ug/L	20.00		82.8	74-129			
Dichlorodifluoromethane	66.3	5.00	ug/L	20.00		331	41-145			L
Ethylbenzene	18.1	5.00	ug/L	20.00		90.6	79-126			
Iodomethane	22.8	10.0	ug/L	20.00		114	52-150			
Methylene Chloride	22.5	5.00	ug/L	20.00		112	43-162			
Methyl tert-Butyl Ether	16.5	10.0	ug/L	20.00		82.6	63-134			
m,p-Xylene	36.5	10.0	ug/L	40.00		91.2	82-132			
n-Hexane	27.2	5.00	ug/L	21.20		128	10-216			
o-Xylene	18.2	5.00	ug/L	20.00		91.0	81-128			
Styrene	18.1	5.00	ug/L	20.00		90.6	81-129			
Tetrachloroethene	15.9	5.00	ug/L	20.00		79.4	43-152			
Toluene	19.2	5.00	ug/L	20.00		96.2	79-128			
trans-1,2-Dichloroethene	20.3	5.00	ug/L	20.00		102	60-144			
trans-1,3-Dichloropropene	18.4	5.00	ug/L	20.00		92.0	67-138			
Trichloroethene	18.1	5.00	ug/L	20.00		90.4	74-132			
Trichlorofluoromethane	34.3	5.00	ug/L	20.00		172	48-170			L
Vinyl Chloride	61.0	1.00	ug/L	20.00		305	60-143			L
Vinyl acetate	15.6	10.0	ug/L	20.00		78.2	16-196			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>34.6</i>		<i>ug/L</i>	<i>50.00</i>		<i>69.3</i>	<i>41-140</i>			
<i>Surrogate: Dibromofluoromethane</i>	<i>42.2</i>		<i>ug/L</i>	<i>50.00</i>		<i>84.5</i>	<i>34-158</i>			
<i>Surrogate: Toluene-d8</i>	<i>41.0</i>		<i>ug/L</i>	<i>50.00</i>		<i>81.9</i>	<i>47-147</i>			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>42.0</i>		<i>ug/L</i>	<i>50.00</i>		<i>84.1</i>	<i>29-163</i>			

CLIENT: LJB Engineers & Architects  
 Project: 09020 Piqua Power Plant

Lab Order: 10J1482

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 1047123 - VOC PREP</b>										
<b>LCS Dup (1047123-BS1)</b>										
				Prepared & Analyzed: 11/10/10						
1,1,1,2-Tetrachloroethane	17.7	5.00	ug/L	20.00		88.7	78-128	10.6	16	
1,1,1-Trichloroethane	18.3	5.00	ug/L	20.00		91.4	70-135	11.1	20	
1,1,2,2-Tetrachloroethane	18.2	5.00	ug/L	20.00		91.2	68-135	13.3	19	
1,1,2-Trichloroethane	20.2	5.00	ug/L	20.00		101	74-131	12.4	16	
1,1-Dichloroethane	24.1	5.00	ug/L	20.00		121	72-134	10.4	19	
1,1-Dichloroethene	21.4	5.00	ug/L	20.00		107	62-143	9.13	20	
1,1-Dichloropropene	20.4	5.00	ug/L	20.00		102	82-128	9.88	18	
1,2-Dibromoethane	17.3	5.00	ug/L	20.00		86.6	67-132	14.8	13	R
1,2-Dichloroethane	17.6	5.00	ug/L	20.00		87.8	72-131	12.8	16	
1,2-Dichloropropane	22.0	5.00	ug/L	20.00		110	75-128	10.3	19	
1,3-Dichloropropane	19.4	5.00	ug/L	20.00		97.1	73-130	12.0	13	
2,2-Dichloropropane	23.6	5.00	ug/L	20.00		118	45-173	10.9	25	
2-Butanone	91.6	20.0	ug/L	80.00		115	42-140	20.9	18	R
2-Chlorotoluene	18.9	5.00	ug/L	20.00		94.6	76-126	8.95	20	
2-Hexanone	79.6	20.0	ug/L	80.00		99.5	18-178	16.1	17	
4-Chlorotoluene	18.4	5.00	ug/L	20.00		92.1	77-132	7.61	22	
4-Methyl-2-pentanone	74.4	20.0	ug/L	80.00		93.0	42-160	17.0	67	
Acetone	88.4	20.0	ug/L	80.00		110	30-173	10.4	24	
Acetonitrile	25.3	40.0	ug/L	20.00		127	58-150	14.9	25	
Acrylonitrile	22.1	20.0	ug/L	20.00		111	64-153	17.6	20	
Allyl chloride	21.6	5.00	ug/L	20.00		108	67-149	10.5	16	
Benzene	21.6	5.00	ug/L	20.00		108	77-126	9.82	19	
Bromobenzene	17.3	5.00	ug/L	20.00		86.6	72-131	8.24	20	
Bromochloromethane	22.7	5.00	ug/L	20.00		114	71-135	13.2	16	
Bromodichloromethane	19.2	5.00	ug/L	20.00		96.2	78-129	12.3	17	
Bromoform	15.2	5.00	ug/L	20.00		76.2	69-135	17.8	18	
Bromomethane	59.0	5.00	ug/L	20.00		295	14-193	2.47	28	L
Carbon Disulfide	21.7	20.0	ug/L	20.00		108	54-150	10.6	19	
Carbon Tetrachloride	17.6	5.00	ug/L	20.00		87.8	67-138	7.74	21	
Chlorobenzene	19.6	5.00	ug/L	20.00		98.0	77-125	8.02	19	
Chloroethane	76.1	5.00	ug/L	20.00		381	27-170	3.45	64	L
Chloroform	23.4	5.00	ug/L	20.00		117	73-136	11.9	19	
Chloromethane	71.3	5.00	ug/L	20.00		356	44-145	7.96	26	L
cis-1,2-Dichloroethene	23.7	5.00	ug/L	20.00		118	77-137	9.73	17	
cis-1,3-Dichloropropene	21.1	5.00	ug/L	20.00		105	70-133	13.2	19	
Dibromochloromethane	17.2	5.00	ug/L	20.00		86.0	68-131	12.8	18	
Dibromomethane	18.8	5.00	ug/L	20.00		93.8	74-129	12.4	16	
Dichlorodifluoromethane	74.6	5.00	ug/L	20.00		373	41-145	11.8	15	L
Ethylbenzene	19.6	5.00	ug/L	20.00		98.2	79-126	8.05	20	
Iodomethane	25.6	10.0	ug/L	20.00		128	52-150	11.5	25	
Methylene Chloride	25.5	5.00	ug/L	20.00		127	43-162	12.6	28	
Methyl tert-Butyl Ether	19.7	10.0	ug/L	20.00		98.4	63-134	17.5	20	
m,p-Xylene	39.4	10.0	ug/L	40.00		98.5	82-132	7.75	18	
n-Hexane	30.9	5.00	ug/L	21.20		146	10-216	12.9	64	
o-Xylene	19.6	5.00	ug/L	20.00		97.8	81-128	7.20	19	

CLIENT: LJB Engineers & Architects  
 Project: 09020 Piqua Power Plant

Lab Order: 10J1482

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1047123 - VOC PREP

LCS Dup (1047123-BSD1)

Prepared & Analyzed: 11/10/10

Styrene	19.8	5.00	ug/L	20.00		98.8	81-129	8.65	17	
Tetrachloroethene	18.7	5.00	ug/L	20.00		93.4	43-152	16.1	29	
Toluene	20.9	5.00	ug/L	20.00		105	79-128	8.42	19	
trans-1,2-Dichloroethene	22.8	5.00	ug/L	20.00		114	60-144	11.2	20	
trans-1,3-Dichloropropene	21.0	5.00	ug/L	20.00		105	67-138	13.1	17	
Trichloroethene	19.8	5.00	ug/L	20.00		99.1	74-132	9.13	20	
Trichlorofluoromethane	36.5	5.00	ug/L	20.00		182	48-170	6.10	50	L
Vinyl Chloride	64.2	1.00	ug/L	20.00		321	60-143	5.19	19	L
Vinyl acetate	17.9	10.0	ug/L	20.00		89.4	16-196	13.4	45	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>42.1</i>		<i>ug/L</i>	<i>50.00</i>		<i>84.2</i>	<i>41-140</i>			
<i>Surrogate: Dibromofluoromethane</i>	<i>51.6</i>		<i>ug/L</i>	<i>50.00</i>		<i>103</i>	<i>34-158</i>			
<i>Surrogate: Toluene-d8</i>	<i>48.6</i>		<i>ug/L</i>	<i>50.00</i>		<i>97.2</i>	<i>47-147</i>			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>51.7</i>		<i>ug/L</i>	<i>50.00</i>		<i>103</i>	<i>29-163</i>			

CLIENT: LJB Engineers & Architects  
 Project: 09020 Piqua Power Plant

Lab Order: 10J1482

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1045160 - PREP SVOC W

Blank (1045160-BLK1)

Prepared: 11/03/10 Analyzed: 11/05/10

2-Methylnaphthalene	BDL	10.0	ug/L							
Acenaphthene	BDL	10.0	ug/L							
Acenaphthylene	BDL	10.0	ug/L							
Anthracene	BDL	10.0	ug/L							
Benz(a)anthracene	BDL	0.260	ug/L							
Benzo(a)pyrene	BDL	0.200	ug/L							
Benzo(b)fluoranthene	BDL	0.170	ug/L							
Benzo(g,h,i)perylene	BDL	10.0	ug/L							
Benzo(k)fluoranthene	BDL	1.70	ug/L							
Chrysene	BDL	10.0	ug/L							
Dibenz(a,h)anthracene	BDL	0.100	ug/L							
Fluoranthene	BDL	10.0	ug/L							
Fluorene	BDL	10.0	ug/L							
Indeno(1,2,3-cd)pyrene	BDL	0.220	ug/L							
Naphthalene	BDL	1.00	ug/L							
Phenanthrene	BDL	10.0	ug/L							
Pyrene	BDL	10.0	ug/L							
Surrogate: Nitrobenzene-d5	28.5		ug/L	40.00		71.2	50-125			
Surrogate: 2-Fluorobiphenyl	25.7		ug/L	40.00		64.2	50-120			
Surrogate: Terphenyl-d14	21.3		ug/L	40.00		53.2	30-150			

LCS (1045160-BS1)

Prepared: 11/03/10 Analyzed: 11/05/10

Acenaphthene	97.0	10.0	ug/L	100.0		97.0	65-110			
Acenaphthylene	93.2	10.0	ug/L	100.0		93.2	45-120			
Anthracene	93.3	10.0	ug/L	100.0		93.3	50-120			
Benz(a)anthracene	87.8	0.260	ug/L	100.0		87.8	65-125			
Benzo(a)pyrene	92.9	0.200	ug/L	100.0		92.9	40-150			
Benzo(b)fluoranthene	82.6	0.170	ug/L	100.0		82.6	30-165			
Benzo(g,h,i)perylene	93.5	10.0	ug/L	100.0		93.5	40-175			
Benzo(k)fluoranthene	113	1.70	ug/L	100.0		113	35-125			
Chrysene	98.7	10.0	ug/L	100.0		98.7	60-125			
Dibenz(a,h)anthracene	97.4	0.100	ug/L	100.0		97.4	30-180			
Fluoranthene	101	10.0	ug/L	100.0		101	55-125			
Fluorene	104	10.0	ug/L	100.0		104	60-120			
Indeno(1,2,3-cd)pyrene	83.4	0.220	ug/L	100.0		83.4	40-180			
Naphthalene	102	1.00	ug/L	100.0		102	40-115			
Phenanthrene	105	10.0	ug/L	100.0		105	50-115			
Pyrene	89.9	10.0	ug/L	100.0		89.9	55-130			
Surrogate: Nitrobenzene-d5	26.9		ug/L	40.00		67.2	50-125			
Surrogate: 2-Fluorobiphenyl	25.1		ug/L	40.00		62.8	50-120			
Surrogate: Terphenyl-d14	20.5		ug/L	40.00		51.3	30-150			



CLIENT: LJB Engineers & Architects  
 Project: 09020 Piqua Power Plant

Lab Order: 10J1482

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1045160 - PREP SVOC W

LCS Dup (1045160-BSD1)

Prepared: 11/03/10 Analyzed: 11/05/10

Acenaphthene	95.6	10.0	ug/L	100.0		95.6	65-110	1.50	15	
Acenaphthylene	92.4	10.0	ug/L	100.0		92.4	45-120	0.862	15	
Anthracene	92.0	10.0	ug/L	100.0		92.0	50-120	1.38	18	
Benz(a)anthracene	88.5	0.260	ug/L	100.0		88.5	65-125	0.817	20	
Benzo(a)pyrene	94.4	0.200	ug/L	100.0		94.4	40-150	1.57	20	
Benzo(b)fluoranthene	71.0	0.170	ug/L	100.0		71.0	30-165	15.1	30	
Benzo(g,h,i)perylene	96.6	10.0	ug/L	100.0		96.6	40-175	3.17	20	
Benzo(k)fluoranthene	106	1.70	ug/L	100.0		106	35-125	7.08	30	
Chrysene	106	10.0	ug/L	100.0		106	60-125	6.98	20	
Dibenz(a,h)anthracene	97.2	0.100	ug/L	100.0		97.2	30-180	0.175	20	
Fluoranthene	90.8	10.0	ug/L	100.0		90.8	55-125	10.6	15	
Fluorene	96.6	10.0	ug/L	100.0		96.6	60-120	7.29	15	
Indeno(1,2,3-cd)pyrene	81.8	0.220	ug/L	100.0		81.8	40-180	1.99	30	
Naphthalene	98.6	1.00	ug/L	100.0		98.6	40-115	3.70	14	
Phenanthrene	110	10.0	ug/L	100.0		110	50-115	4.85	18	
Pyrene	102	10.0	ug/L	100.0		102	55-130	12.6	20	
Surrogate: Nitrobenzene-d5	27.0		ug/L	40.00		67.6	50-125			
Surrogate: 2-Fluorobiphenyl	24.8		ug/L	40.00		62.0	50-120			
Surrogate: Terphenyl-d14	21.7		ug/L	40.00		54.2	30-150			

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**CLIENT:** LJB Engineers & Architects  
**Project:** 09020 Piqua Power Plant**Lab Order:** 10J1482

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**Notes and Definitions**

- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- R RPD outside of accepted recovery limits.
- L Laboratory control sample recovery outside of acceptance limits high, sample results are below detection limits. Sample data is still acceptable.
- B Analyte is found in the associated blank as well as in the sample.
- A-01 BSD Acceptable

Sample preservation was met unless otherwise noted.