



Wednesday, January 26, 2011
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: 11A0448

Belmont Labs received 5 sample(s) on 1/11/2011 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

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

CLIENT: LJB Engineers & Architects
Project: 09020 Piqua Power Plant**Lab Order:** 11A0448

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Sampled Date	Received Date
11A0448-01A	MW-1d	1/11/2011 3:05:00PM	1/11/2011
11A0448-01B	MW-1d	1/11/2011 3:05:00PM	1/11/2011
11A0448-02A	MW-1d-b	1/11/2011 3:00:00PM	1/11/2011
11A0448-02B	MW-1d-b	1/11/2011 3:00:00PM	1/11/2011
11A0448-03A	MW-3	1/11/2011 10:30:00AM	1/11/2011
11A0448-03B	MW-3	1/11/2011 10:30:00AM	1/11/2011
11A0448-03C	MW-3	1/11/2011 10:30:00AM	1/11/2011
11A0448-04A	MW-4	1/11/2011 12:35:00PM	1/11/2011
11A0448-05A	Trip Blank	1/11/2011 3:00:00PM	1/11/2011
11A0448-05B	Trip Blank	1/11/2011 3:00:00PM	1/11/2011

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

Lab Order: 11A0448

Lab ID: 11A0448-01
 Client Sample ID: MW-1d

Collection Date: 1/11/2011 3:05:00PM
 Matrix: Groundwater

Analysis	Result	PQL	Qual	Units	Dilution	Batch	Date Analyzed
VOC 8260	SW 8260B						Analyst: KDS
1,1,1,2-Tetrachloroethane	BDL	5.00		ug/L	1	1104112	1/14/2011 4:19:00PM
1,1,1-Trichloroethane	BDL	5.00		ug/L	1	1104112	1/14/2011 4:19:00PM
1,1,2,2-Tetrachloroethane	BDL	5.00		ug/L	1	1104112	1/14/2011 4:19:00PM
1,1,2-Trichloroethane	BDL	5.00		ug/L	1	1104112	1/14/2011 4:19:00PM
1,1-Dichloroethane	BDL	5.00		ug/L	1	1104112	1/14/2011 4:19:00PM
1,1-Dichloroethene	BDL	5.00		ug/L	1	1104112	1/14/2011 4:19:00PM
1,1-Dichloropropene	BDL	5.00		ug/L	1	1104112	1/14/2011 4:19:00PM
1,2-Dibromoethane	BDL	5.00		ug/L	1	1104112	1/14/2011 4:19:00PM
1,2-Dichloroethane	BDL	5.00		ug/L	1	1104112	1/14/2011 4:19:00PM
1,2-Dichloropropane	BDL	5.00		ug/L	1	1104112	1/14/2011 4:19:00PM
1,3-Dichloropropane	BDL	5.00		ug/L	1	1104112	1/14/2011 4:19:00PM
2,2-Dichloropropane	BDL	5.00		ug/L	1	1104112	1/14/2011 4:19:00PM
2-Butanone	BDL	20.0		ug/L	1	1104112	1/14/2011 4:19:00PM
2-Chlorotoluene	BDL	5.00		ug/L	1	1104112	1/14/2011 4:19:00PM
2-Hexanone	BDL	20.0		ug/L	1	1104112	1/14/2011 4:19:00PM
4-Chlorotoluene	BDL	5.00		ug/L	1	1104112	1/14/2011 4:19:00PM
4-Methyl-2-pentanone	BDL	20.0		ug/L	1	1104112	1/14/2011 4:19:00PM
Acetone	BDL	20.0		ug/L	1	1104112	1/14/2011 4:19:00PM
Acetonitrile	BDL	40.0		ug/L	1	1104112	1/14/2011 4:19:00PM
Acrolein	BDL	20.0		ug/L	1	1104112	1/14/2011 4:19:00PM
Acrylonitrile	BDL	20.0		ug/L	1	1104112	1/14/2011 4:19:00PM
Allyl chloride	BDL	5.00		ug/L	1	1104112	1/14/2011 4:19:00PM
Benzene	BDL	5.00		ug/L	1	1104112	1/14/2011 4:19:00PM
Bromobenzene	BDL	5.00		ug/L	1	1104112	1/14/2011 4:19:00PM
Bromochloromethane	BDL	5.00		ug/L	1	1104112	1/14/2011 4:19:00PM
Bromodichloromethane	BDL	5.00		ug/L	1	1104112	1/14/2011 4:19:00PM
Bromoform	BDL	5.00		ug/L	1	1104112	1/14/2011 4:19:00PM
Bromomethane	BDL	5.00		ug/L	1	1104112	1/14/2011 4:19:00PM
Carbon Disulfide	BDL	20.0		ug/L	1	1104112	1/14/2011 4:19:00PM
Carbon Tetrachloride	BDL	5.00		ug/L	1	1104112	1/14/2011 4:19:00PM
Chlorobenzene	17.3	5.00		ug/L	1	1104112	1/14/2011 4:19:00PM
Chloroethane	BDL	5.00		ug/L	1	1104112	1/14/2011 4:19:00PM
Chloroform	BDL	5.00		ug/L	1	1104112	1/14/2011 4:19:00PM
Chloromethane	BDL	5.00		ug/L	1	1104112	1/14/2011 4:19:00PM
cis-1,2-Dichloroethene	BDL	5.00		ug/L	1	1104112	1/14/2011 4:19:00PM
cis-1,3-Dichloropropene	BDL	5.00		ug/L	1	1104112	1/14/2011 4:19:00PM
Dibromochloromethane	BDL	5.00		ug/L	1	1104112	1/14/2011 4:19:00PM
Dibromomethane	BDL	5.00		ug/L	1	1104112	1/14/2011 4:19:00PM
Dichlorodifluoromethane	BDL	5.00		ug/L	1	1104112	1/14/2011 4:19:00PM
Ethylbenzene	BDL	5.00		ug/L	1	1104112	1/14/2011 4:19:00PM
Iodomethane	BDL	10.0		ug/L	1	1104112	1/14/2011 4:19:00PM
Methylene Chloride	BDL	5.00		ug/L	1	1104112	1/14/2011 4:19:00PM
Methyl tert-Butyl Ether	BDL	10.0		ug/L	1	1104112	1/14/2011 4:19:00PM
m,p-Xylene	BDL	10.0		ug/L	1	1104112	1/14/2011 4:19:00PM
n-Hexane	BDL	5.00		ug/L	1	1104112	1/14/2011 4:19:00PM

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

Lab Order: 11A0448

Lab ID: 11A0448-01
 Client Sample ID: MW-1d

Collection Date: 1/11/2011 3:05:00PM
 Matrix: Groundwater

Analysis	Result	PQL	Qual	Units	Dilution	Batch	Date Analyzed
o-Xylene	BDL	5.00		ug/L	1	1104112	1/14/2011 4:19:00PM
Styrene	BDL	5.00		ug/L	1	1104112	1/14/2011 4:19:00PM
Tetrachloroethene	BDL	5.00		ug/L	1	1104112	1/14/2011 4:19:00PM
Toluene	BDL	5.00		ug/L	1	1104112	1/14/2011 4:19:00PM
trans-1,2-Dichloroethene	BDL	5.00		ug/L	1	1104112	1/14/2011 4:19:00PM
trans-1,3-Dichloropropene	BDL	5.00		ug/L	1	1104112	1/14/2011 4:19:00PM
Trichloroethene	BDL	5.00		ug/L	1	1104112	1/14/2011 4:19:00PM
Trichlorofluoromethane	BDL	5.00		ug/L	1	1104112	1/14/2011 4:19:00PM
Vinyl Chloride	6.99	1.00		ug/L	1	1104112	1/14/2011 4:19:00PM
Vinyl acetate	BDL	10.0		ug/L	1	1104112	1/14/2011 4:19:00PM
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>90.8 %</i>		<i>41-140</i>		<i>1104112</i>	<i>1/14/2011 4:19:00PM</i>
<i>Surrogate: Dibromofluoromethane</i>		<i>99.8 %</i>		<i>34-158</i>		<i>1104112</i>	<i>1/14/2011 4:19:00PM</i>
<i>Surrogate: Toluene-d8</i>		<i>98.4 %</i>		<i>47-147</i>		<i>1104112</i>	<i>1/14/2011 4:19:00PM</i>
<i>Surrogate: 1,2-Dichloroethane-d4</i>		<i>93.9 %</i>		<i>29-163</i>		<i>1104112</i>	<i>1/14/2011 4:19:00PM</i>

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

Lab Order: 11A0448

Lab ID: 11A0448-02
 Client Sample ID: MW-1d-b

Collection Date: 1/11/2011 3:00:00PM
 Matrix: Groundwater

Analysis	Result	PQL	Qual	Units	Dilution	Batch	Date Analyzed
VOC 8260	SW 8260B						Analyst: KDS
1,1,1,2-Tetrachloroethane	BDL	5.00		ug/L	1	1104112	1/14/2011 5:29:00PM
1,1,1-Trichloroethane	BDL	5.00		ug/L	1	1104112	1/14/2011 5:29:00PM
1,1,2,2-Tetrachloroethane	BDL	5.00		ug/L	1	1104112	1/14/2011 5:29:00PM
1,1,2-Trichloroethane	BDL	5.00		ug/L	1	1104112	1/14/2011 5:29:00PM
1,1-Dichloroethane	BDL	5.00		ug/L	1	1104112	1/14/2011 5:29:00PM
1,1-Dichloroethene	BDL	5.00		ug/L	1	1104112	1/14/2011 5:29:00PM
1,1-Dichloropropene	BDL	5.00		ug/L	1	1104112	1/14/2011 5:29:00PM
1,2-Dibromoethane	BDL	5.00		ug/L	1	1104112	1/14/2011 5:29:00PM
1,2-Dichloroethane	BDL	5.00		ug/L	1	1104112	1/14/2011 5:29:00PM
1,2-Dichloropropane	BDL	5.00		ug/L	1	1104112	1/14/2011 5:29:00PM
1,3-Dichloropropane	BDL	5.00		ug/L	1	1104112	1/14/2011 5:29:00PM
2,2-Dichloropropane	BDL	5.00		ug/L	1	1104112	1/14/2011 5:29:00PM
2-Butanone	BDL	20.0		ug/L	1	1104112	1/14/2011 5:29:00PM
2-Chlorotoluene	BDL	5.00		ug/L	1	1104112	1/14/2011 5:29:00PM
2-Hexanone	BDL	20.0		ug/L	1	1104112	1/14/2011 5:29:00PM
4-Chlorotoluene	BDL	5.00		ug/L	1	1104112	1/14/2011 5:29:00PM
4-Methyl-2-pentanone	BDL	20.0		ug/L	1	1104112	1/14/2011 5:29:00PM
Acetone	BDL	20.0		ug/L	1	1104112	1/14/2011 5:29:00PM
Acetonitrile	BDL	40.0		ug/L	1	1104112	1/14/2011 5:29:00PM
Acrolein	BDL	20.0		ug/L	1	1104112	1/14/2011 5:29:00PM
Acrylonitrile	BDL	20.0		ug/L	1	1104112	1/14/2011 5:29:00PM
Allyl chloride	BDL	5.00		ug/L	1	1104112	1/14/2011 5:29:00PM
Benzene	BDL	5.00		ug/L	1	1104112	1/14/2011 5:29:00PM
Bromobenzene	BDL	5.00		ug/L	1	1104112	1/14/2011 5:29:00PM
Bromochloromethane	BDL	5.00		ug/L	1	1104112	1/14/2011 5:29:00PM
Bromodichloromethane	BDL	5.00		ug/L	1	1104112	1/14/2011 5:29:00PM
Bromoform	BDL	5.00		ug/L	1	1104112	1/14/2011 5:29:00PM
Bromomethane	BDL	5.00		ug/L	1	1104112	1/14/2011 5:29:00PM
Carbon Disulfide	BDL	20.0		ug/L	1	1104112	1/14/2011 5:29:00PM
Carbon Tetrachloride	BDL	5.00		ug/L	1	1104112	1/14/2011 5:29:00PM
Chlorobenzene	17.4	5.00		ug/L	1	1104112	1/14/2011 5:29:00PM
Chloroethane	BDL	5.00		ug/L	1	1104112	1/14/2011 5:29:00PM
Chloroform	BDL	5.00		ug/L	1	1104112	1/14/2011 5:29:00PM
Chloromethane	BDL	5.00		ug/L	1	1104112	1/14/2011 5:29:00PM
cis-1,2-Dichloroethene	BDL	5.00		ug/L	1	1104112	1/14/2011 5:29:00PM
cis-1,3-Dichloropropene	BDL	5.00		ug/L	1	1104112	1/14/2011 5:29:00PM
Dibromochloromethane	BDL	5.00		ug/L	1	1104112	1/14/2011 5:29:00PM
Dibromomethane	BDL	5.00		ug/L	1	1104112	1/14/2011 5:29:00PM
Dichlorodifluoromethane	BDL	5.00		ug/L	1	1104112	1/14/2011 5:29:00PM
Ethylbenzene	BDL	5.00		ug/L	1	1104112	1/14/2011 5:29:00PM
Iodomethane	BDL	10.0		ug/L	1	1104112	1/14/2011 5:29:00PM
Methylene Chloride	BDL	5.00		ug/L	1	1104112	1/14/2011 5:29:00PM
Methyl tert-Butyl Ether	BDL	10.0		ug/L	1	1104112	1/14/2011 5:29:00PM
m,p-Xylene	BDL	10.0		ug/L	1	1104112	1/14/2011 5:29:00PM
n-Hexane	BDL	5.00		ug/L	1	1104112	1/14/2011 5:29:00PM

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

Lab Order: 11A0448

Lab ID: 11A0448-02
 Client Sample ID: MW-1d-b

Collection Date: 1/11/2011 3:00:00PM
 Matrix: Groundwater

Analysis	Result	PQL	Qual	Units	Dilution	Batch	Date Analyzed
o-Xylene	BDL	5.00		ug/L	1	1104112	1/14/2011 5:29:00PM
Styrene	BDL	5.00		ug/L	1	1104112	1/14/2011 5:29:00PM
Tetrachloroethene	BDL	5.00		ug/L	1	1104112	1/14/2011 5:29:00PM
Toluene	BDL	5.00		ug/L	1	1104112	1/14/2011 5:29:00PM
trans-1,2-Dichloroethene	BDL	5.00		ug/L	1	1104112	1/14/2011 5:29:00PM
trans-1,3-Dichloropropene	BDL	5.00		ug/L	1	1104112	1/14/2011 5:29:00PM
Trichloroethene	BDL	5.00		ug/L	1	1104112	1/14/2011 5:29:00PM
Trichlorofluoromethane	BDL	5.00		ug/L	1	1104112	1/14/2011 5:29:00PM
Vinyl Chloride	7.47	1.00		ug/L	1	1104112	1/14/2011 5:29:00PM
Vinyl acetate	BDL	10.0		ug/L	1	1104112	1/14/2011 5:29:00PM
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>92.1 %</i>		<i>41-140</i>		<i>1104112</i>	<i>1/14/2011 5:29:00PM</i>
<i>Surrogate: Dibromofluoromethane</i>		<i>103 %</i>		<i>34-158</i>		<i>1104112</i>	<i>1/14/2011 5:29:00PM</i>
<i>Surrogate: Toluene-d8</i>		<i>100 %</i>		<i>47-147</i>		<i>1104112</i>	<i>1/14/2011 5:29:00PM</i>
<i>Surrogate: 1,2-Dichloroethane-d4</i>		<i>96.2 %</i>		<i>29-163</i>		<i>1104112</i>	<i>1/14/2011 5:29:00PM</i>

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

Lab Order: 11A0448

Lab ID: 11A0448-03
 Client Sample ID: MW-3

Collection Date: 1/11/2011 10:30:00AM
 Matrix: Groundwater

Analysis	Result	PQL	Qual	Units	Dilution	Batch	Date Analyzed
ICP_Ag Silver	SW 6010B BDL	0.000500		mg/L	1	1103190	1/13/2011 6:04:10PM
							Analyst: RJE
ICP_Al Aluminum	SW 6010B 0.135	0.0500		mg/L	1	1103190	1/13/2011 6:04:10PM
							Analyst: RJE
ICP_As Arsenic	SW 6010B 0.0220	0.00500		mg/L	1	1103190	1/13/2011 6:04:10PM
							Analyst: RJE
ICP_Ba Barium	SW 6010B 0.0179	0.00500		mg/L	1	1103190	1/13/2011 6:04:10PM
							Analyst: RJE
ICP_Be Beryllium	SW 6010B BDL	0.000500		mg/L	1	1103190	1/13/2011 6:04:10PM
							Analyst: RJE
ICP_Cd Cadmium	SW 6010B 0.00405	0.000500		mg/L	1	1103190	1/13/2011 6:04:10PM
							Analyst: RJE
ICP_Co Cobalt	SW 6010B 0.00876	0.00500		mg/L	1	1103190	1/13/2011 6:04:10PM
							Analyst: RJE
ICP_Cr Chromium	SW 6010B BDL	0.00500		mg/L	1	1103190	1/13/2011 6:04:10PM
							Analyst: RJE
ICP_Ni Nickel	SW 6010B 0.0183	0.00500		mg/L	1	1103190	1/13/2011 6:04:10PM
							Analyst: RJE
ICP_Pb Lead	SW 6010B BDL	0.00500		mg/L	1	1103190	1/13/2011 6:04:10PM
							Analyst: RJE
ICP_Sb Antimony	SW 6010B BDL	0.00500		mg/L	1	1103190	1/13/2011 6:04:10PM
							Analyst: RJE
ICP_Se Selenium	SW 6010B BDL	0.0100		mg/L	1	1103190	1/13/2011 6:04:10PM
							Analyst: RJE
ICP_V Vanadium	SW 6010B BDL	0.00500		mg/L	1	1103190	1/13/2011 6:04:10PM
							Analyst: RJE
ICP_Zn Zinc	SW 6010B 0.245	0.0100		mg/L	1	1103190	1/13/2011 6:04:10PM
							Analyst: RJE
GFAA TI	SW 7841						Analyst: RJE

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

Lab Order: 11A0448

Lab ID: 11A0448-03
Client Sample ID: MW-3

Collection Date: 1/11/2011 10:30:00AM
Matrix: Groundwater

Analysis	Result	PQL	Qual	Units	Dilution	Batch	Date Analyzed
Thallium	BDL	0.00100		mg/L	1	1104150	1/20/2011 10:30:00AM
HG		SW 7470A		Analyst: KC			
Mercury	BDL	0.000200		mg/L	1	1103191	1/13/2011 1:25:13PM
PAH_FULL_8270		Analyst: ZZZ					
2-Methylnaphthalene	BDL	10.0		ug/L	1	1103180	1/23/2011 7:04:00PM
Acenaphthene	BDL	10.0		ug/L	1	1103180	1/23/2011 7:04:00PM
Acenaphthylene	BDL	10.0		ug/L	1	1103180	1/23/2011 7:04:00PM
Anthracene	BDL	10.0		ug/L	1	1103180	1/23/2011 7:04:00PM
Benz(a)anthracene	BDL	0.260		ug/L	1	1103180	1/23/2011 7:04:00PM
Benzo(a)pyrene	BDL	0.200		ug/L	1	1103180	1/23/2011 7:04:00PM
Benzo(b)fluoranthene	BDL	0.170		ug/L	1	1103180	1/23/2011 7:04:00PM
Benzo(g,h,i)perylene	BDL	10.0		ug/L	1	1103180	1/23/2011 7:04:00PM
Benzo(k)fluoranthene	BDL	1.70		ug/L	1	1103180	1/23/2011 7:04:00PM
Chrysene	BDL	10.0		ug/L	1	1103180	1/23/2011 7:04:00PM
Dibenz(a,h)anthracene	BDL	0.100		ug/L	1	1103180	1/23/2011 7:04:00PM
Fluoranthene	BDL	10.0		ug/L	1	1103180	1/23/2011 7:04:00PM
Fluorene	BDL	10.0		ug/L	1	1103180	1/23/2011 7:04:00PM
Indeno(1,2,3-cd)pyrene	BDL	0.220		ug/L	1	1103180	1/23/2011 7:04:00PM
Naphthalene	BDL	1.00		ug/L	1	1103180	1/23/2011 7:04:00PM
Phenanthrene	BDL	10.0		ug/L	1	1103180	1/23/2011 7:04:00PM
Pyrene	BDL	10.0		ug/L	1	1103180	1/23/2011 7:04:00PM
<i>Surrogate: Nitrobenzene-d5</i>		59.2 %		50-125		1103180	1/23/2011 7:04:00PM
<i>Surrogate: 2-Fluorobiphenyl</i>		62.0 %		50-120		1103180	1/23/2011 7:04:00PM
<i>Surrogate: Terphenyl-d14</i>		30.0 %		30-150		1103180	1/23/2011 7:04:00PM

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

Lab Order: 11A0448

Lab ID: 11A0448-04
 Client Sample ID: MW-4

Collection Date: 1/11/2011 12:35:00PM
 Matrix: Groundwater

Analysis	Result	PQL	Qual	Units	Dilution	Batch	Date Analyzed
ICP_Ag Silver	SW 6010B BDL	0.000500		mg/L	1	1103190	1/13/2011 6:08:07PM
							Analyst: RJE
ICP_Al Aluminum	SW 6010B BDL	0.0500		mg/L	1	1103190	1/13/2011 6:08:07PM
							Analyst: RJE
ICP_As Arsenic	SW 6010B 0.0117	0.00500		mg/L	1	1103190	1/13/2011 6:08:07PM
							Analyst: RJE
ICP_Ba Barium	SW 6010B 0.0128	0.00500		mg/L	1	1103190	1/13/2011 6:08:07PM
							Analyst: RJE
ICP_Be Beryllium	SW 6010B BDL	0.000500		mg/L	1	1103190	1/13/2011 6:08:07PM
							Analyst: RJE
ICP_Cd Cadmium	SW 6010B 0.00339	0.000500		mg/L	1	1103190	1/13/2011 6:08:07PM
							Analyst: RJE
ICP_Co Cobalt	SW 6010B BDL	0.00500		mg/L	1	1103190	1/13/2011 6:08:07PM
							Analyst: RJE
ICP_Cr Chromium	SW 6010B BDL	0.00500		mg/L	1	1103190	1/13/2011 6:08:07PM
							Analyst: RJE
ICP_Ni Nickel	SW 6010B 0.00961	0.00500		mg/L	1	1103190	1/13/2011 6:08:07PM
							Analyst: RJE
ICP_Pb Lead	SW 6010B BDL	0.00500		mg/L	1	1103190	1/13/2011 6:08:07PM
							Analyst: RJE
ICP_Sb Antimony	SW 6010B BDL	0.00500		mg/L	1	1103190	1/13/2011 6:08:07PM
							Analyst: RJE
ICP_Se Selenium	SW 6010B BDL	0.0100		mg/L	1	1103190	1/13/2011 6:08:07PM
							Analyst: RJE
ICP_V Vanadium	SW 6010B BDL	0.00500		mg/L	1	1103190	1/13/2011 6:08:07PM
							Analyst: RJE
ICP_Zn Zinc	SW 6010B 0.0704	0.0100		mg/L	1	1103190	1/13/2011 6:08:07PM
							Analyst: RJE
GFAA TI	SW 7841						Analyst: RJE

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

Lab Order: 11A0448

Lab ID: 11A0448-04
Client Sample ID: MW-4

Collection Date: 1/11/2011 12:35:00PM
Matrix: Groundwater

Analysis	Result	PQL	Qual	Units	Dilution	Batch	Date Analyzed
Thallium	BDL	0.00100		mg/L	1	1104150	1/20/2011 10:30:00AM
HG	SW 7470A						Analyst: KC
Mercury	BDL	0.000200		mg/L	1	1103191	1/13/2011 1:25:13PM

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

Lab Order: 11A0448

Lab ID: 11A0448-05
 Client Sample ID: Trip Blank

Collection Date: 1/11/2011 3:00:00PM
 Matrix: Water

Analysis	Result	PQL	Qual	Units	Dilution	Batch	Date Analyzed
VOC 8260_TB	SW 8260B						Analyst: KDS
1,1,1,2-Tetrachloroethane	BDL	5.00		ug/L	1	1104112	1/14/2011 4:54:00PM
1,1,1-Trichloroethane	BDL	5.00		ug/L	1	1104112	1/14/2011 4:54:00PM
1,1,2,2-Tetrachloroethane	BDL	5.00		ug/L	1	1104112	1/14/2011 4:54:00PM
1,1,2-Trichloroethane	BDL	5.00		ug/L	1	1104112	1/14/2011 4:54:00PM
1,1-Dichloroethane	BDL	5.00		ug/L	1	1104112	1/14/2011 4:54:00PM
1,1-Dichloroethene	BDL	5.00		ug/L	1	1104112	1/14/2011 4:54:00PM
1,1-Dichloropropene	BDL	5.00		ug/L	1	1104112	1/14/2011 4:54:00PM
1,2-Dibromoethane	BDL	5.00		ug/L	1	1104112	1/14/2011 4:54:00PM
1,2-Dichloroethane	BDL	5.00		ug/L	1	1104112	1/14/2011 4:54:00PM
1,2-Dichloropropane	BDL	5.00		ug/L	1	1104112	1/14/2011 4:54:00PM
1,3-Dichloropropane	BDL	5.00		ug/L	1	1104112	1/14/2011 4:54:00PM
2,2-Dichloropropane	BDL	5.00		ug/L	1	1104112	1/14/2011 4:54:00PM
2-Butanone	BDL	20.0		ug/L	1	1104112	1/14/2011 4:54:00PM
2-Chlorotoluene	BDL	5.00		ug/L	1	1104112	1/14/2011 4:54:00PM
2-Hexanone	BDL	20.0		ug/L	1	1104112	1/14/2011 4:54:00PM
4-Chlorotoluene	BDL	5.00		ug/L	1	1104112	1/14/2011 4:54:00PM
4-Methyl-2-pentanone	BDL	20.0		ug/L	1	1104112	1/14/2011 4:54:00PM
Acetone	BDL	20.0		ug/L	1	1104112	1/14/2011 4:54:00PM
Acetonitrile	BDL	40.0		ug/L	1	1104112	1/14/2011 4:54:00PM
Acrolein	BDL	20.0		ug/L	1	1104112	1/14/2011 4:54:00PM
Acrylonitrile	BDL	20.0		ug/L	1	1104112	1/14/2011 4:54:00PM
Allyl chloride	BDL	5.00		ug/L	1	1104112	1/14/2011 4:54:00PM
Benzene	BDL	5.00		ug/L	1	1104112	1/14/2011 4:54:00PM
Bromobenzene	BDL	5.00		ug/L	1	1104112	1/14/2011 4:54:00PM
Bromochloromethane	BDL	5.00		ug/L	1	1104112	1/14/2011 4:54:00PM
Bromodichloromethane	BDL	5.00		ug/L	1	1104112	1/14/2011 4:54:00PM
Bromoform	BDL	5.00		ug/L	1	1104112	1/14/2011 4:54:00PM
Bromomethane	BDL	5.00		ug/L	1	1104112	1/14/2011 4:54:00PM
Carbon Disulfide	BDL	20.0		ug/L	1	1104112	1/14/2011 4:54:00PM
Carbon Tetrachloride	BDL	5.00		ug/L	1	1104112	1/14/2011 4:54:00PM
Chlorobenzene	BDL	5.00		ug/L	1	1104112	1/14/2011 4:54:00PM
Chloroethane	BDL	5.00		ug/L	1	1104112	1/14/2011 4:54:00PM
Chloroform	BDL	5.00		ug/L	1	1104112	1/14/2011 4:54:00PM
Chloromethane	BDL	5.00		ug/L	1	1104112	1/14/2011 4:54:00PM
cis-1,2-Dichloroethene	BDL	5.00		ug/L	1	1104112	1/14/2011 4:54:00PM
cis-1,3-Dichloropropene	BDL	5.00		ug/L	1	1104112	1/14/2011 4:54:00PM
Dibromochloromethane	BDL	5.00		ug/L	1	1104112	1/14/2011 4:54:00PM
Dibromomethane	BDL	5.00		ug/L	1	1104112	1/14/2011 4:54:00PM
Dichlorodifluoromethane	BDL	5.00		ug/L	1	1104112	1/14/2011 4:54:00PM
Ethylbenzene	BDL	5.00		ug/L	1	1104112	1/14/2011 4:54:00PM
Iodomethane	BDL	10.0		ug/L	1	1104112	1/14/2011 4:54:00PM
Methylene Chloride	BDL	5.00		ug/L	1	1104112	1/14/2011 4:54:00PM
Methyl tert-Butyl Ether	BDL	10.0		ug/L	1	1104112	1/14/2011 4:54:00PM
m,p-Xylene	BDL	10.0		ug/L	1	1104112	1/14/2011 4:54:00PM
n-Butylbenzene	BDL	5.00		ug/L	1	1104112	1/14/2011 4:54:00PM

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

Lab Order: 11A0448

Lab ID: 11A0448-05
 Client Sample ID: Trip Blank

Collection Date: 1/11/2011 3:00:00PM
 Matrix: Water

Analysis	Result	PQL	Qual	Units	Dilution	Batch	Date Analyzed
n-Hexane	BDL	5.00		ug/L	1	1104112	1/14/2011 4:54:00PM
o-Xylene	BDL	5.00		ug/L	1	1104112	1/14/2011 4:54:00PM
Styrene	BDL	5.00		ug/L	1	1104112	1/14/2011 4:54:00PM
Tetrachloroethene	BDL	5.00		ug/L	1	1104112	1/14/2011 4:54:00PM
Toluene	BDL	5.00		ug/L	1	1104112	1/14/2011 4:54:00PM
trans-1,2-Dichloroethene	BDL	5.00		ug/L	1	1104112	1/14/2011 4:54:00PM
trans-1,3-Dichloropropene	BDL	5.00		ug/L	1	1104112	1/14/2011 4:54:00PM
Trichloroethene	BDL	5.00		ug/L	1	1104112	1/14/2011 4:54:00PM
Trichlorofluoromethane	BDL	5.00		ug/L	1	1104112	1/14/2011 4:54:00PM
Vinyl Chloride	BDL	1.00		ug/L	1	1104112	1/14/2011 4:54:00PM
Vinyl acetate	BDL	10.0		ug/L	1	1104112	1/14/2011 4:54:00PM
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>91.2 %</i>		<i>41-140</i>		<i>1104112</i>	<i>1/14/2011 4:54:00PM</i>
<i>Surrogate: Dibromofluoromethane</i>		<i>100 %</i>		<i>34-158</i>		<i>1104112</i>	<i>1/14/2011 4:54:00PM</i>
<i>Surrogate: Toluene-d8</i>		<i>99.9 %</i>		<i>47-147</i>		<i>1104112</i>	<i>1/14/2011 4:54:00PM</i>
<i>Surrogate: 1,2-Dichloroethane-d4</i>		<i>94.6 %</i>		<i>29-163</i>		<i>1104112</i>	<i>1/14/2011 4:54:00PM</i>

Purchase Order No. _____ Client Project _____

INVOICE TO
Name: **Edward Council**
Company: **LSB Inc / Brownfield**
Address: **3100 Research**
City, State, Zip: **Dayton, OH, US 45431**

REPORT TO
Name: **Same**
Company: _____
Mailing Address: _____
City, State, Zip: _____
Phone No: **937 259 5163**
Fax No: **259 6100**

Date Results Rep: Yes No
Rush Charges Authorized? Yes No
Special Instructions: _____

Additional QC Requirements: Level 2, Level 3, Level 4 (Charges Apply)

Regulatory Type: NPDES DOD
 RCRA SDWA
 VAP
 Other
Matrix Key: DW - Drinking Water
 GW - Ground Water
 S - Soil/Solid
 SL - Sludge
 WW - Waste Water
Specify Other: _____

CLIENT SAMPLE IDENTIFICATION	Date Sampled	Time	Comp	Grab	Matrix	Number of Containers	ANALYSIS REQUESTED
MW-1A	1-11-11	1505	X		GW	2	VOCs, PAHs, metals , metals
MW-1A-b	1-11-11	1500	X		GW	2	
MW-3	1-11-11	1030	X		GW	3	
MW-4s	1-11-11	1235	X		GW	1	

Relinquished by: **Cynthia S. Edgerton** Date/Time: **1-11-11 15:50**
Relinquished by: _____ Date/Time: _____
Method of Shipment: **CV I**
Received at lab by: **Mary Ann** Date/Time: **1-11-11 3:50**
Cooler Temp: **40** Custody Seals: Yes No

Sampled by: **Cynthia S. Edgerton** Date: **1-11-11**
Client Comments: _____

DISTRIBUTION:
WHITE - Laboratory
YELLOW - Accounting
Houston Business Forms - Form #14374 1/11

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

Lab Order: 11A0448

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 1103190 - PREP ICP W

Blank (1103190-BLK1)

Prepared & Analyzed: 01/13/11

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 (1103190-BS1)

Prepared & Analyzed: 01/13/11

Aluminum	1.08	0.0500	mg/L	1.000	108	85-115
Antimony	1.04	0.00500	mg/L	1.000	104	85-115
Arsenic	1.06	0.00500	mg/L	1.000	106	85-115
Barium	1.03	0.00500	mg/L	1.000	103	85-115
Beryllium	1.04	0.000500	mg/L	1.000	104	85-115
Cadmium	1.03	0.000500	mg/L	1.000	103	85-115
Chromium	1.04	0.00500	mg/L	1.000	104	85-115
Cobalt	1.02	0.00500	mg/L	1.000	102	85-115
Lead	1.05	0.00500	mg/L	1.000	105	85-115
Nickel	1.05	0.00500	mg/L	1.000	105	85-115
Selenium	1.04	0.0100	mg/L	1.000	104	85-115
Silver	1.02	0.000500	mg/L	1.000	102	85-115
Vanadium	1.04	0.00500	mg/L	1.000	104	85-115
Zinc	1.03	0.0100	mg/L	1.000	103	85-115

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

Lab Order: 11A0448

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 1103190 - PREP ICP W

LCS Dup (1103190-BSD1)

Prepared & Analyzed: 01/13/11

Aluminum	1.09	0.0500	mg/L	1.000		109	85-115	0.922	20	
Antimony	1.05	0.00500	mg/L	1.000		105	85-115	0.957	20	
Arsenic	1.06	0.00500	mg/L	1.000		106	85-115	0.00	20	
Barium	1.04	0.00500	mg/L	1.000		104	85-115	0.966	20	
Beryllium	1.04	0.000500	mg/L	1.000		104	85-115	0.00	20	
Cadmium	1.04	0.000500	mg/L	1.000		104	85-115	0.966	20	
Chromium	1.05	0.00500	mg/L	1.000		105	85-115	0.957	20	
Cobalt	1.03	0.00500	mg/L	1.000		103	85-115	0.976	20	
Lead	1.06	0.00500	mg/L	1.000		106	85-115	0.948	20	
Nickel	1.05	0.00500	mg/L	1.000		105	85-115	0.00	20	
Selenium	1.05	0.0100	mg/L	1.000		105	85-115	0.957	20	
Silver	1.02	0.000500	mg/L	1.000		102	85-115	0.00	20	
Vanadium	1.04	0.00500	mg/L	1.000		104	85-115	0.00	20	
Zinc	1.04	0.0100	mg/L	1.000		104	85-115	0.966	20	

Duplicate (1103190-DUP1)

Source: 11A0344-02

Prepared & Analyzed: 01/13/11

Aluminum	4.75	0.0500	mg/L		4.88			2.70	20	
Antimony	BDL	0.00500	mg/L		ND				20	
Arsenic	0.00511	0.00500	mg/L		0.00483			5.63	20	
Barium	0.126	0.00500	mg/L		0.125			0.797	20	
Beryllium	0.000300	0.000500	mg/L		0.000310			3.28	20	
Cadmium	0.00150	0.000500	mg/L		0.00163			8.31	20	
Chromium	0.0400	0.00500	mg/L		0.0398			0.501	20	
Cobalt	0.0119	0.00500	mg/L		0.0115			3.42	20	
Lead	0.0147	0.00500	mg/L		0.0151			2.68	20	
Nickel	0.0189	0.00500	mg/L		0.0168			11.8	20	
Selenium	0.00625	0.0100	mg/L		0.00637			1.90	20	
Silver	0.000320	0.000500	mg/L		0.000540			51.2	20	R
Vanadium	0.00811	0.00500	mg/L		0.00845			4.11	20	
Zinc	0.108	0.0100	mg/L		0.107			0.930	20	

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

Lab Order: 11A0448

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 1103190 - PREP ICP W

Matrix Spike (1103190-MS1)	Source: 11A0344-05			Prepared & Analyzed: 01/13/11						
Aluminum	1.08	0.0500	mg/L	1.000	ND	108	75-125			
Antimony	1.05	0.00500	mg/L	1.000	0.00428	105	75-125			
Arsenic	1.06	0.00500	mg/L	1.000	0.00247	106	75-125			
Barium	1.04	0.00500	mg/L	1.000	ND	104	75-125			
Beryllium	1.04	0.000500	mg/L	1.000	ND	104	75-125			
Cadmium	1.03	0.000500	mg/L	1.000	ND	103	75-125			
Chromium	1.05	0.00500	mg/L	1.000	ND	105	75-125			
Cobalt	1.03	0.00500	mg/L	1.000	ND	103	75-125			
Lead	1.05	0.00500	mg/L	1.000	0.00104	105	75-125			
Nickel	1.05	0.00500	mg/L	1.000	0.000790	105	75-125			
Selenium	1.04	0.0100	mg/L	1.000	0.00446	104	75-125			
Silver	1.03	0.000500	mg/L	1.000	ND	103	75-125			
Vanadium	1.05	0.00500	mg/L	1.000	0.000220	105	75-125			
Zinc	1.04	0.0100	mg/L	1.000	ND	104	75-125			

Matrix Spike Dup (1103190-MSD1)	Source: 11A0344-05			Prepared & Analyzed: 01/13/11						
Aluminum	1.07	0.0500	mg/L	1.000	ND	107	75-125	0.930	20	
Antimony	1.03	0.00500	mg/L	1.000	0.00428	103	75-125	1.92	20	
Arsenic	1.04	0.00500	mg/L	1.000	0.00247	104	75-125	1.90	20	
Barium	1.01	0.00500	mg/L	1.000	ND	101	75-125	2.93	20	
Beryllium	1.02	0.000500	mg/L	1.000	ND	102	75-125	1.94	20	
Cadmium	1.01	0.000500	mg/L	1.000	ND	101	75-125	1.96	20	
Chromium	1.02	0.00500	mg/L	1.000	ND	102	75-125	2.90	20	
Cobalt	1.01	0.00500	mg/L	1.000	ND	101	75-125	1.96	20	
Lead	1.03	0.00500	mg/L	1.000	0.00104	103	75-125	1.92	20	
Nickel	1.03	0.00500	mg/L	1.000	0.000790	103	75-125	1.92	20	
Selenium	1.02	0.0100	mg/L	1.000	0.00446	102	75-125	1.94	20	
Silver	1.00	0.000500	mg/L	1.000	ND	100	75-125	2.96	20	
Vanadium	1.03	0.00500	mg/L	1.000	0.000220	103	75-125	1.92	20	
Zinc	1.02	0.0100	mg/L	1.000	ND	102	75-125	1.94	20	

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

Lab Order: 11A0448

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 1103190 - PREP ICP W

Post Spike (1103190-PS1)	Source: 11A0344-05	Prepared & Analyzed: 01/13/11								
Aluminum	1.08	mg/L	1.000	0.00135	108	0-200				
Antimony	0.939	mg/L	1.000	0.00428	93.5	0-200				
Arsenic	0.988	mg/L	1.000	0.00247	98.6	0-200				
Barium	1.03	mg/L	1.000	-0.000900	103	0-200				
Beryllium	1.03	mg/L	1.000	-0.0000400	103	0-200				
Cadmium	1.02	mg/L	1.000	-0.0000600	102	0-200				
Chromium	1.03	mg/L	1.000	0.000100	103	0-200				
Cobalt	1.02	mg/L	1.000	-0.000320	102	0-200				
Lead	1.04	mg/L	1.000	0.00104	104	0-200				
Nickel	1.04	mg/L	1.000	0.000790	104	0-200				
Selenium	1.03	mg/L	1.000	0.00446	103	0-200				
Silver	1.01	mg/L	1.000	0.0000900	101	0-200				
Vanadium	1.04	mg/L	1.000	0.000220	104	0-200				
Zinc	1.03	mg/L	1.000	0.000920	103	0-200				

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

Lab Order: 11A0448

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 1104150 - PREP GFAA W

Blank (1104150-BLK1)				Prepared & Analyzed: 01/20/11						
Thallium	BDL	0.00100	mg/L							
LCS (1104150-BS1)				Prepared & Analyzed: 01/20/11						
Thallium	0.00978	0.00100	mg/L	0.01000		98	80-120			
LCS Dup (1104150-BSD1)				Prepared & Analyzed: 01/20/11						
Thallium	0.00998	0.00100	mg/L	0.01000		100	80-120	2	20	
Duplicate (1104150-DUP1)				Source: 11A0591-02		Prepared & Analyzed: 01/20/11				
Thallium	BDL	0.00100	mg/L		ND				200	
Matrix Spike (1104150-MS1)				Source: 11A0591-01		Prepared & Analyzed: 01/20/11				
Thallium	0.00826	0.00100	mg/L	0.01000	ND	83	70-130			
Matrix Spike Dup (1104150-MSD1)				Source: 11A0591-01		Prepared & Analyzed: 01/20/11				
Thallium	0.00849	0.00100	mg/L	0.01000	ND	85	70-130	3	30	
Post Spike (1104150-PS1)				Source: 11A0591-01		Prepared & Analyzed: 01/20/11				
Thallium	8.62		ug/L	10.00	0.110	85	0-200			

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

Lab Order: 11A0448

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 1103191 - PREP HG W

Blank (1103191-BLK1)				Prepared: 01/12/11 Analyzed: 01/13/11						
Mercury	BDL	0.000200	mg/L							
LCS (1103191-BS1)				Prepared: 01/12/11 Analyzed: 01/13/11						
Mercury	0.00639	0.000200	mg/L	0.006250		102	80-120			
LCS Dup (1103191-BSD1)				Prepared: 01/12/11 Analyzed: 01/13/11						
Mercury	0.00636	0.000200	mg/L	0.006250		102	80-120	0.5	20	
Matrix Spike (1103191-MS1)				Source: 10L1371-11		Prepared: 01/12/11 Analyzed: 01/13/11				
Mercury	0.00648	0.000200	mg/L	0.006250	ND	104	70-130			
Matrix Spike Dup (1103191-MSD1)				Source: 10L1371-11		Prepared: 01/12/11 Analyzed: 01/13/11				
Mercury	0.00698	0.000200	mg/L	0.006250	ND	112	70-130	7	30	

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

Lab Order: 11A0448

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 1104112 - VOC PREP

Blank (1104112-BLK1)

Prepared & Analyzed: 01/14/11

1,1,1,2-Tetrachloroethane	BDL	5.00	ug/L							
1,1,1,2-Tetrachloroethane	BDL	5.00	ug/L							
1,1,1-Trichloroethane	BDL	5.00	ug/L							
1,1,1-Trichloroethane	BDL	5.00	ug/L							
1,1,2,2-Tetrachloroethane	BDL	5.00	ug/L							
1,1,2,2-Tetrachloroethane	BDL	5.00	ug/L							
1,1,2-Trichloroethane	BDL	5.00	ug/L							
1,1,2-Trichloroethane	BDL	5.00	ug/L							
1,1-Dichloroethane	BDL	5.00	ug/L							
1,1-Dichloroethane	BDL	5.00	ug/L							
1,1-Dichloroethene	BDL	5.00	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	5.00	ug/L							
1,2-Dichloroethane	BDL	5.00	ug/L							
1,2-Dichloropropane	BDL	5.00	ug/L							
1,2-Dichloropropane	BDL	5.00	ug/L							
1,3-Dichloropropane	BDL	5.00	ug/L							
1,3-Dichloropropane	BDL	5.00	ug/L							
2,2-Dichloropropane	BDL	5.00	ug/L							
2,2-Dichloropropane	BDL	5.00	ug/L							
2-Butanone	BDL	20.0	ug/L							
2-Butanone	BDL	20.0	ug/L							
2-Chlorotoluene	BDL	5.00	ug/L							
2-Chlorotoluene	BDL	5.00	ug/L							
2-Hexanone	BDL	20.0	ug/L							
2-Hexanone	BDL	20.0	ug/L							
4-Chlorotoluene	BDL	5.00	ug/L							
4-Chlorotoluene	BDL	5.00	ug/L							
4-Methyl-2-pentanone	BDL	20.0	ug/L							
4-Methyl-2-pentanone	BDL	20.0	ug/L							
Acetone	BDL	20.0	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	20.0	ug/L							
Allyl chloride	BDL	5.00	ug/L							
Allyl chloride	BDL	5.00	ug/L							
Benzene	BDL	5.00	ug/L							

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

Lab Order: 11A0448

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 1104112 - VOC PREP

Blank (1104112-BLK1)

Prepared & Analyzed: 01/14/11

Benzene	BDL	5.00	ug/L							
Bromobenzene	BDL	5.00	ug/L							
Bromobenzene	BDL	5.00	ug/L							
Bromochloromethane	BDL	5.00	ug/L							
Bromochloromethane	BDL	5.00	ug/L							
Bromodichloromethane	BDL	5.00	ug/L							
Bromodichloromethane	BDL	5.00	ug/L							
Bromoform	BDL	5.00	ug/L							
Bromoform	BDL	5.00	ug/L							
Bromomethane	BDL	5.00	ug/L							
Bromomethane	BDL	5.00	ug/L							
Carbon Disulfide	BDL	20.0	ug/L							
Carbon Disulfide	BDL	20.0	ug/L							
Carbon Tetrachloride	BDL	5.00	ug/L							
Carbon Tetrachloride	BDL	5.00	ug/L							
Chlorobenzene	BDL	5.00	ug/L							
Chlorobenzene	BDL	5.00	ug/L							
Chloroethane	BDL	5.00	ug/L							
Chloroethane	BDL	5.00	ug/L							
Chloroform	BDL	5.00	ug/L							
Chloroform	BDL	5.00	ug/L							
Chloromethane	BDL	5.00	ug/L							
Chloromethane	BDL	5.00	ug/L							
cis-1,2-Dichloroethene	BDL	5.00	ug/L							
cis-1,2-Dichloroethene	BDL	5.00	ug/L							
cis-1,3-Dichloropropene	BDL	5.00	ug/L							
cis-1,3-Dichloropropene	BDL	5.00	ug/L							
Dibromochloromethane	BDL	5.00	ug/L							
Dibromochloromethane	BDL	5.00	ug/L							
Dibromomethane	BDL	5.00	ug/L							
Dibromomethane	BDL	5.00	ug/L							
Dichlorodifluoromethane	BDL	5.00	ug/L							
Dichlorodifluoromethane	BDL	5.00	ug/L							
Ethylbenzene	BDL	5.00	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	5.00	ug/L							
Methyl tert-Butyl Ether	BDL	10.0	ug/L							
Methyl tert-Butyl Ether	BDL	10.0	ug/L							
m,p-Xylene	BDL	10.0	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: 11A0448

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 1104112 - VOC PREP

Blank (1104112-BLK1)

Prepared & Analyzed: 01/14/11

n-Hexane	BDL	5.00	ug/L							
o-Xylene	BDL	5.00	ug/L							
o-Xylene	BDL	5.00	ug/L							
Styrene	BDL	5.00	ug/L							
Styrene	BDL	5.00	ug/L							
Tetrachloroethene	BDL	5.00	ug/L							
Tetrachloroethene	BDL	5.00	ug/L							
Toluene	BDL	5.00	ug/L							
Toluene	BDL	5.00	ug/L							
trans-1,2-Dichloroethene	BDL	5.00	ug/L							
trans-1,2-Dichloroethene	BDL	5.00	ug/L							
trans-1,3-Dichloropropene	BDL	5.00	ug/L							
trans-1,3-Dichloropropene	BDL	5.00	ug/L							
Trichloroethene	BDL	5.00	ug/L							
Trichloroethene	BDL	5.00	ug/L							
Trichlorofluoromethane	BDL	5.00	ug/L							
Trichlorofluoromethane	BDL	5.00	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	48.2		ug/L	50.00		96.4	41-140			
Surrogate: 4-Bromofluorobenzene	48.2		ug/L	50.00		96.4	41-140			
Surrogate: Dibromofluoromethane	50.4		ug/L	50.00		101	34-158			
Surrogate: Dibromofluoromethane	50.4		ug/L	50.00		101	34-158			
Surrogate: Toluene-d8	52.2		ug/L	50.00		104	47-147			
Surrogate: Toluene-d8	52.2		ug/L	50.00		104	47-147			
Surrogate: 1,2-Dichloroethane-d4	47.3		ug/L	50.00		94.6	29-163			
Surrogate: 1,2-Dichloroethane-d4	47.3		ug/L	50.00		94.6	29-163			

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

Lab Order: 11A0448

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 1104112 - VOC PREP

LCS (1104112-BS1)

Prepared & Analyzed: 01/14/11

1,1,1,2-Tetrachloroethane	18.4	5.00	ug/L	20.00		92.0	78-128			
1,1,1,2-Tetrachloroethane	18.4	5.00	ug/L	20.00		92.0	78-128			
1,1,1-Trichloroethane	19.0	5.00	ug/L	20.00		95.0	70-135			
1,1,1-Trichloroethane	19.0	5.00	ug/L	20.00		95.0	70-135			
1,1,2,2-Tetrachloroethane	21.0	5.00	ug/L	20.00		105	68-135			
1,1,2,2-Tetrachloroethane	21.0	5.00	ug/L	20.00		105	68-135			
1,1,2-Trichloroethane	19.6	5.00	ug/L	20.00		98.0	74-131			
1,1,2-Trichloroethane	19.6	5.00	ug/L	20.00		98.0	74-131			
1,1-Dichloroethane	18.9	5.00	ug/L	20.00		94.6	72-134			
1,1-Dichloroethane	18.9	5.00	ug/L	20.00		94.6	72-134			
1,1-Dichloroethene	18.2	5.00	ug/L	20.00		91.0	62-143			
1,1-Dichloroethene	18.2	5.00	ug/L	20.00		91.0	62-143			
1,1-Dichloropropene	18.8	5.00	ug/L	20.00		94.0	82-128			
1,1-Dichloropropene	18.8	5.00	ug/L	20.00		94.0	82-128			
1,2-Dibromoethane	18.7	5.00	ug/L	20.00		93.3	67-132			
1,2-Dibromoethane	18.7	5.00	ug/L	20.00		93.3	67-132			
1,2-Dichloroethane	18.9	5.00	ug/L	20.00		94.7	72-131			
1,2-Dichloroethane	18.9	5.00	ug/L	20.00		94.7	72-131			
1,2-Dichloropropane	18.8	5.00	ug/L	20.00		94.0	75-128			
1,2-Dichloropropane	18.8	5.00	ug/L	20.00		94.0	75-128			
1,3-Dichloropropane	18.7	5.00	ug/L	20.00		93.7	73-130			
1,3-Dichloropropane	18.7	5.00	ug/L	20.00		93.7	73-130			
2,2-Dichloropropane	19.7	5.00	ug/L	20.00		98.4	45-173			
2,2-Dichloropropane	19.7	5.00	ug/L	20.00		98.4	45-173			
2-Butanone	76.0	20.0	ug/L	80.00		95.0	42-140			
2-Butanone	76.0	20.0	ug/L	80.00		95.0	42-140			
2-Chlorotoluene	20.2	5.00	ug/L	20.00		101	76-126			
2-Chlorotoluene	20.2	5.00	ug/L	20.00		101	76-126			
2-Hexanone	77.9	20.0	ug/L	80.00		97.4	18-178			
2-Hexanone	77.9	20.0	ug/L	80.00		97.4	18-178			
4-Chlorotoluene	19.2	5.00	ug/L	20.00		96.0	77-132			
4-Chlorotoluene	19.2	5.00	ug/L	20.00		96.0	77-132			
4-Methyl-2-pentanone	77.8	20.0	ug/L	80.00		97.2	42-160			
4-Methyl-2-pentanone	77.8	20.0	ug/L	80.00		97.2	42-160			
Acetone	81.6	20.0	ug/L	80.00		102	30-173			
Acetone	81.6	20.0	ug/L	80.00		102	30-173			
Acetonitrile	20.8	40.0	ug/L	20.00		104	58-150			
Acetonitrile	20.8	40.0	ug/L	20.00		104	58-150			
Acrylonitrile	21.2	20.0	ug/L	20.00		106	64-153			
Acrylonitrile	21.2	20.0	ug/L	20.00		106	64-153			
Allyl chloride	19.3	5.00	ug/L	20.00		96.4	67-149			
Allyl chloride	19.3	5.00	ug/L	20.00		96.4	67-149			
Benzene	19.4	5.00	ug/L	20.00		97.0	77-126			
Benzene	19.4	5.00	ug/L	20.00		97.0	77-126			
Bromobenzene	20.4	5.00	ug/L	20.00		102	72-131			

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

Lab Order: 11A0448

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 1104112 - VOC PREP

LCS (1104112-BS1)

Prepared & Analyzed: 01/14/11

Bromobenzene	20.4	5.00	ug/L	20.00		102	72-131			
Bromochloromethane	19.7	5.00	ug/L	20.00		98.3	71-135			
Bromochloromethane	19.7	5.00	ug/L	20.00		98.3	71-135			
Bromodichloromethane	19.0	5.00	ug/L	20.00		95.0	78-129			
Bromodichloromethane	19.0	5.00	ug/L	20.00		95.0	78-129			
Bromoform	19.4	5.00	ug/L	20.00		97.2	69-135			
Bromoform	19.4	5.00	ug/L	20.00		97.2	69-135			
Bromomethane	24.4	5.00	ug/L	20.00		122	14-193			
Bromomethane	24.4	5.00	ug/L	20.00		122	14-193			
Carbon Disulfide	18.0	20.0	ug/L	20.00		89.8	54-150			
Carbon Disulfide	18.0	20.0	ug/L	20.00		89.8	54-150			
Carbon Tetrachloride	18.4	5.00	ug/L	20.00		92.2	67-138			
Carbon Tetrachloride	18.4	5.00	ug/L	20.00		92.2	67-138			
Chlorobenzene	20.7	5.00	ug/L	20.00		104	77-125			
Chlorobenzene	20.7	5.00	ug/L	20.00		104	77-125			
Chloroethane	26.5	5.00	ug/L	20.00		132	27-170			
Chloroethane	26.5	5.00	ug/L	20.00		132	27-170			
Chloroform	20.1	5.00	ug/L	20.00		100	73-136			
Chloroform	20.1	5.00	ug/L	20.00		100	73-136			
Chloromethane	19.3	5.00	ug/L	20.00		96.4	44-145			
Chloromethane	19.3	5.00	ug/L	20.00		96.4	44-145			
cis-1,2-Dichloroethene	18.4	5.00	ug/L	20.00		91.8	77-137			
cis-1,2-Dichloroethene	18.4	5.00	ug/L	20.00		91.8	77-137			
cis-1,3-Dichloropropene	18.8	5.00	ug/L	20.00		93.8	70-133			
cis-1,3-Dichloropropene	18.8	5.00	ug/L	20.00		93.8	70-133			
Dibromochloromethane	18.3	5.00	ug/L	20.00		91.5	68-131			
Dibromochloromethane	18.3	5.00	ug/L	20.00		91.5	68-131			
Dibromomethane	19.0	5.00	ug/L	20.00		94.9	74-129			
Dibromomethane	19.0	5.00	ug/L	20.00		94.9	74-129			
Dichlorodifluoromethane	31.3	5.00	ug/L	20.00		156	41-145			L
Dichlorodifluoromethane	31.3	5.00	ug/L	20.00		156	41-145			L
Ethylbenzene	20.3	5.00	ug/L	20.00		101	79-126			
Ethylbenzene	20.3	5.00	ug/L	20.00		101	79-126			
Iodomethane	20.9	10.0	ug/L	20.00		104	52-150			
Iodomethane	20.9	10.0	ug/L	20.00		104	52-150			
Methylene Chloride	19.3	5.00	ug/L	20.00		96.3	43-162			
Methylene Chloride	19.3	5.00	ug/L	20.00		96.3	43-162			
Methyl tert-Butyl Ether	18.7	10.0	ug/L	20.00		93.5	63-134			
Methyl tert-Butyl Ether	18.7	10.0	ug/L	20.00		93.5	63-134			
m,p-Xylene	41.6	10.0	ug/L	40.00		104	82-132			
m,p-Xylene	41.6	10.0	ug/L	40.00		104	82-132			
n-Butylbenzene	20.9	5.00	ug/L	20.00		104	80-135			
n-Hexane	18.8	5.00	ug/L	21.20		88.9	10-216			
n-Hexane	18.8	5.00	ug/L	21.20		88.9	10-216			
o-Xylene	19.9	5.00	ug/L	20.00		99.7	81-128			

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

Lab Order: 11A0448

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 1104112 - VOC PREP

LCS (1104112-BS1)

Prepared & Analyzed: 01/14/11

o-Xylene	19.9	5.00	ug/L	20.00		99.7	81-128			
Styrene	20.6	5.00	ug/L	20.00		103	81-129			
Styrene	20.6	5.00	ug/L	20.00		103	81-129			
Tetrachloroethene	15.3	5.00	ug/L	20.00		76.6	43-152			
Tetrachloroethene	15.3	5.00	ug/L	20.00		76.6	43-152			
Toluene	20.2	5.00	ug/L	20.00		101	79-128			
Toluene	20.2	5.00	ug/L	20.00		101	79-128			
trans-1,2-Dichloroethene	19.5	5.00	ug/L	20.00		97.6	60-144			
trans-1,2-Dichloroethene	19.5	5.00	ug/L	20.00		97.6	60-144			
trans-1,3-Dichloropropene	19.4	5.00	ug/L	20.00		97.0	67-138			
trans-1,3-Dichloropropene	19.4	5.00	ug/L	20.00		97.0	67-138			
Trichloroethene	19.6	5.00	ug/L	20.00		97.8	74-132			
Trichloroethene	19.6	5.00	ug/L	20.00		97.8	74-132			
Trichlorofluoromethane	24.4	5.00	ug/L	20.00		122	48-170			
Trichlorofluoromethane	24.4	5.00	ug/L	20.00		122	48-170			
Vinyl Chloride	18.8	1.00	ug/L	20.00		94.2	60-143			
Vinyl Chloride	18.8	1.00	ug/L	20.00		94.2	60-143			
Vinyl acetate	19.8	10.0	ug/L	20.00		98.8	16-196			
Vinyl acetate	19.8	10.0	ug/L	20.00		98.8	16-196			
Surrogate: 4-Bromofluorobenzene	46.7		ug/L	50.00		93.5	41-140			
Surrogate: 4-Bromofluorobenzene	46.7		ug/L	50.00		93.5	41-140			
Surrogate: Dibromofluoromethane	48.8		ug/L	50.00		97.5	34-158			
Surrogate: Dibromofluoromethane	48.8		ug/L	50.00		97.5	34-158			
Surrogate: Toluene-d8	49.8		ug/L	50.00		99.6	47-147			
Surrogate: Toluene-d8	49.8		ug/L	50.00		99.6	47-147			
Surrogate: 1,2-Dichloroethane-d4	47.0		ug/L	50.00		94.0	29-163			
Surrogate: 1,2-Dichloroethane-d4	47.0		ug/L	50.00		94.0	29-163			

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

Lab Order: 11A0448

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 1104112 - VOC PREP

LCS Dup (1104112-bsd1)

Prepared & Analyzed: 01/14/11

1,1,1,2-Tetrachloroethane	20.4	5.00	ug/L	20.00		102	78-128	10.2	16	
1,1,1,2-Tetrachloroethane	20.4	5.00	ug/L	20.00		102	78-128	10.2	16	
1,1,1-Trichloroethane	21.6	5.00	ug/L	20.00		108	70-135	12.7	20	
1,1,1-Trichloroethane	21.6	5.00	ug/L	20.00		108	70-135	12.7	20	
1,1,2,2-Tetrachloroethane	22.9	5.00	ug/L	20.00		114	68-135	8.57	19	
1,1,2,2-Tetrachloroethane	22.9	5.00	ug/L	20.00		114	68-135	8.57	19	
1,1,2-Trichloroethane	21.2	5.00	ug/L	20.00		106	74-131	7.84	16	
1,1,2-Trichloroethane	21.2	5.00	ug/L	20.00		106	74-131	7.84	16	
1,1-Dichloroethane	21.0	5.00	ug/L	20.00		105	72-134	10.3	19	
1,1-Dichloroethane	21.0	5.00	ug/L	20.00		105	72-134	10.3	19	
1,1-Dichloroethene	20.2	5.00	ug/L	20.00		101	62-143	10.2	20	
1,1-Dichloroethene	20.2	5.00	ug/L	20.00		101	62-143	10.2	20	
1,1-Dichloropropene	20.9	5.00	ug/L	20.00		104	82-128	10.4	18	
1,1-Dichloropropene	20.9	5.00	ug/L	20.00		104	82-128	10.4	18	
1,2-Dibromoethane	20.6	5.00	ug/L	20.00		103	67-132	10.0	13	
1,2-Dibromoethane	20.6	5.00	ug/L	20.00		103	67-132	10.0	13	
1,2-Dichloroethane	20.7	5.00	ug/L	20.00		104	72-131	8.98	16	
1,2-Dichloroethane	20.7	5.00	ug/L	20.00		104	72-131	8.98	16	
1,2-Dichloropropane	20.4	5.00	ug/L	20.00		102	75-128	8.01	19	
1,2-Dichloropropane	20.4	5.00	ug/L	20.00		102	75-128	8.01	19	
1,3-Dichloropropane	20.3	5.00	ug/L	20.00		102	73-130	7.99	13	
1,3-Dichloropropane	20.3	5.00	ug/L	20.00		102	73-130	7.99	13	
2,2-Dichloropropane	21.3	5.00	ug/L	20.00		107	45-173	7.95	25	
2,2-Dichloropropane	21.3	5.00	ug/L	20.00		107	45-173	7.95	25	
2-Butanone	80.0	20.0	ug/L	80.00		100	42-140	5.14	18	
2-Butanone	80.0	20.0	ug/L	80.00		100	42-140	5.14	18	
2-Chlorotoluene	22.5	5.00	ug/L	20.00		113	76-126	11.1	20	
2-Chlorotoluene	22.5	5.00	ug/L	20.00		113	76-126	11.1	20	
2-Hexanone	83.4	20.0	ug/L	80.00		104	18-178	6.77	17	
2-Hexanone	83.4	20.0	ug/L	80.00		104	18-178	6.77	17	
4-Chlorotoluene	21.5	5.00	ug/L	20.00		107	77-132	11.1	22	
4-Chlorotoluene	21.5	5.00	ug/L	20.00		107	77-132	11.1	22	
4-Methyl-2-pentanone	85.4	20.0	ug/L	80.00		107	42-160	9.29	67	
4-Methyl-2-pentanone	85.4	20.0	ug/L	80.00		107	42-160	9.29	67	
Acetone	86.5	20.0	ug/L	80.00		108	30-173	5.76	24	
Acetone	86.5	20.0	ug/L	80.00		108	30-173	5.76	24	
Acetonitrile	20.4	40.0	ug/L	20.00		102	58-150	1.55	25	
Acetonitrile	20.4	40.0	ug/L	20.00		102	58-150	1.55	25	
Acrylonitrile	21.4	20.0	ug/L	20.00		107	64-153	1.13	20	
Acrylonitrile	21.4	20.0	ug/L	20.00		107	64-153	1.13	20	
Allyl chloride	21.6	5.00	ug/L	20.00		108	67-149	11.2	16	
Allyl chloride	21.6	5.00	ug/L	20.00		108	67-149	11.2	16	
Benzene	21.7	5.00	ug/L	20.00		108	77-126	11.1	19	
Benzene	21.7	5.00	ug/L	20.00		108	77-126	11.1	19	
Bromobenzene	22.8	5.00	ug/L	20.00		114	72-131	11.3	20	

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

Lab Order: 11A0448

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 1104112 - VOC PREP

LCS Dup (1104112-BSD1)

Prepared & Analyzed: 01/14/11

Bromobenzene	22.8	5.00	ug/L	20.00		114	72-131	11.3	20	
Bromochloromethane	21.1	5.00	ug/L	20.00		106	71-135	7.07	16	
Bromochloromethane	21.1	5.00	ug/L	20.00		106	71-135	7.07	16	
Bromodichloromethane	20.9	5.00	ug/L	20.00		105	78-129	9.57	17	
Bromodichloromethane	20.9	5.00	ug/L	20.00		105	78-129	9.57	17	
Bromoform	20.8	5.00	ug/L	20.00		104	69-135	6.56	18	
Bromoform	20.8	5.00	ug/L	20.00		104	69-135	6.56	18	
Bromomethane	27.0	5.00	ug/L	20.00		135	14-193	10.0	28	
Bromomethane	27.0	5.00	ug/L	20.00		135	14-193	10.0	28	
Carbon Disulfide	19.8	20.0	ug/L	20.00		98.8	54-150	9.49	19	
Carbon Disulfide	19.8	20.0	ug/L	20.00		98.8	54-150	9.49	19	
Carbon Tetrachloride	20.1	5.00	ug/L	20.00		101	67-138	8.81	21	
Carbon Tetrachloride	20.1	5.00	ug/L	20.00		101	67-138	8.81	21	
Chlorobenzene	23.0	5.00	ug/L	20.00		115	77-125	10.4	19	
Chlorobenzene	23.0	5.00	ug/L	20.00		115	77-125	10.4	19	
Chloroethane	28.9	5.00	ug/L	20.00		145	27-170	8.95	64	
Chloroethane	28.9	5.00	ug/L	20.00		145	27-170	8.95	64	
Chloroform	22.2	5.00	ug/L	20.00		111	73-136	10.3	19	
Chloroform	22.2	5.00	ug/L	20.00		111	73-136	10.3	19	
Chloromethane	20.7	5.00	ug/L	20.00		103	44-145	7.01	26	
Chloromethane	20.7	5.00	ug/L	20.00		103	44-145	7.01	26	
cis-1,2-Dichloroethene	19.9	5.00	ug/L	20.00		99.4	77-137	7.95	17	
cis-1,2-Dichloroethene	19.9	5.00	ug/L	20.00		99.4	77-137	7.95	17	
cis-1,3-Dichloropropene	20.5	5.00	ug/L	20.00		102	70-133	8.92	19	
cis-1,3-Dichloropropene	20.5	5.00	ug/L	20.00		102	70-133	8.92	19	
Dibromochloromethane	20.3	5.00	ug/L	20.00		102	68-131	10.6	18	
Dibromochloromethane	20.3	5.00	ug/L	20.00		102	68-131	10.6	18	
Dibromomethane	20.8	5.00	ug/L	20.00		104	74-129	9.39	16	
Dibromomethane	20.8	5.00	ug/L	20.00		104	74-129	9.39	16	
Dichlorodifluoromethane	33.4	5.00	ug/L	20.00		167	41-145	6.61	15	L
Dichlorodifluoromethane	33.4	5.00	ug/L	20.00		167	41-145	6.61	15	L
Ethylbenzene	22.7	5.00	ug/L	20.00		113	79-126	11.1	20	
Ethylbenzene	22.7	5.00	ug/L	20.00		113	79-126	11.1	20	
Iodomethane	22.8	10.0	ug/L	20.00		114	52-150	8.89	25	
Iodomethane	22.8	10.0	ug/L	20.00		114	52-150	8.89	25	
Methylene Chloride	21.1	5.00	ug/L	20.00		105	43-162	9.07	28	
Methylene Chloride	21.1	5.00	ug/L	20.00		105	43-162	9.07	28	
Methyl tert-Butyl Ether	20.2	10.0	ug/L	20.00		101	63-134	7.51	20	
Methyl tert-Butyl Ether	20.2	10.0	ug/L	20.00		101	63-134	7.51	20	
m,p-Xylene	46.7	10.0	ug/L	40.00		117	82-132	11.6	18	
m,p-Xylene	46.7	10.0	ug/L	40.00		117	82-132	11.6	18	
n-Butylbenzene	22.6	5.00	ug/L	20.00		113	80-135	8.01	18	
n-Hexane	17.8	5.00	ug/L	21.20		84.2	10-216	5.45	64	
n-Hexane	17.8	5.00	ug/L	21.20		84.2	10-216	5.45	64	
o-Xylene	22.5	5.00	ug/L	20.00		112	81-128	12.1	19	

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

Lab Order: 11A0448

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 1104112 - VOC PREP

LCS Dup (1104112-BS1)

Prepared & Analyzed: 01/14/11

o-Xylene	22.5	5.00	ug/L	20.00		112	81-128	12.1	19	
Styrene	23.1	5.00	ug/L	20.00		115	81-129	11.3	17	
Styrene	23.1	5.00	ug/L	20.00		115	81-129	11.3	17	
Tetrachloroethene	17.8	5.00	ug/L	20.00		89.0	43-152	15.0	29	
Tetrachloroethene	17.8	5.00	ug/L	20.00		89.0	43-152	15.0	29	
Toluene	22.6	5.00	ug/L	20.00		113	79-128	11.1	19	
Toluene	22.6	5.00	ug/L	20.00		113	79-128	11.1	19	
trans-1,2-Dichloroethene	21.8	5.00	ug/L	20.00		109	60-144	11.1	20	
trans-1,2-Dichloroethene	21.8	5.00	ug/L	20.00		109	60-144	11.1	20	
trans-1,3-Dichloropropene	21.2	5.00	ug/L	20.00		106	67-138	8.87	17	
trans-1,3-Dichloropropene	21.2	5.00	ug/L	20.00		106	67-138	8.87	17	
Trichloroethene	21.8	5.00	ug/L	20.00		109	74-132	10.8	20	
Trichloroethene	21.8	5.00	ug/L	20.00		109	74-132	10.8	20	
Trichlorofluoromethane	26.3	5.00	ug/L	20.00		131	48-170	7.38	50	
Trichlorofluoromethane	26.3	5.00	ug/L	20.00		131	48-170	7.38	50	
Vinyl Chloride	21.3	1.00	ug/L	20.00		106	60-143	12.1	19	
Vinyl Chloride	21.3	1.00	ug/L	20.00		106	60-143	12.1	19	
Vinyl acetate	20.8	10.0	ug/L	20.00		104	16-196	5.13	45	
Vinyl acetate	20.8	10.0	ug/L	20.00		104	16-196	5.13	45	
Surrogate: 4-Bromofluorobenzene	50.8		ug/L	50.00		102	41-140			
Surrogate: 4-Bromofluorobenzene	50.8		ug/L	50.00		102	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	53.3		ug/L	50.00		107	47-147			
Surrogate: Toluene-d8	53.3		ug/L	50.00		107	47-147			
Surrogate: 1,2-Dichloroethane-d4	47.4		ug/L	50.00		94.9	29-163			
Surrogate: 1,2-Dichloroethane-d4	47.4		ug/L	50.00		94.9	29-163			

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

Lab Order: 11A0448

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 1103180 - PREP SVOC W

Blank (1103180-BLK1)

Prepared: 01/13/11 Analyzed: 01/23/11

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	23.7		ug/L	40.00		59.4	50-125			
Surrogate: 2-Fluorobiphenyl	23.0		ug/L	40.00		57.4	50-120			
Surrogate: Terphenyl-d14	22.3		ug/L	40.00		55.8	30-150			

LCS (1103180-BS1)

Prepared: 01/13/11 Analyzed: 01/25/11

Acenaphthene	84.1	10.0	ug/L	100.0		84.1	65-110			
Acenaphthylene	80.7	10.0	ug/L	100.0		80.7	45-120			
Anthracene	92.0	10.0	ug/L	100.0		92.0	50-120			
Benz(a)anthracene	96.9	0.260	ug/L	100.0		96.9	65-125			
Benzo(a)pyrene	90.6	0.200	ug/L	100.0		90.6	40-150			
Benzo(b)fluoranthene	98.6	0.170	ug/L	100.0		98.6	30-165			
Benzo(g,h,i)perylene	116	10.0	ug/L	100.0		116	40-175			
Benzo(k)fluoranthene	104	1.70	ug/L	100.0		104	35-125			
Chrysene	97.6	10.0	ug/L	100.0		97.6	60-125			
Dibenz(a,h)anthracene	109	0.100	ug/L	100.0		109	30-180			
Fluoranthene	93.7	10.0	ug/L	100.0		93.7	55-125			
Fluorene	81.2	10.0	ug/L	100.0		81.2	60-120			
Indeno(1,2,3-cd)pyrene	119	0.220	ug/L	100.0		119	40-180			
Naphthalene	106	1.00	ug/L	100.0		106	40-115			
Phenanthrene	104	10.0	ug/L	100.0		104	50-115			
Pyrene	95.9	10.0	ug/L	100.0		95.9	55-130			
Surrogate: Nitrobenzene-d5	23.7		ug/L	40.00		59.3	50-125			
Surrogate: 2-Fluorobiphenyl	23.5		ug/L	40.00		58.7	50-120			
Surrogate: Terphenyl-d14	23.0		ug/L	40.00		57.4	30-150			

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

Lab Order: 11A0448

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 1103180 - PREP SVOC W

LCS Dup (1103180-BSD1)

Prepared: 01/13/11 Analyzed: 01/23/11

Acenaphthene	83.9	10.0	ug/L	100.0		83.9	65-110	0.202	15	
Acenaphthylene	81.2	10.0	ug/L	100.0		81.2	45-120	0.679	15	
Anthracene	90.8	10.0	ug/L	100.0		90.8	50-120	1.32	18	
Benz(a)anthracene	98.7	0.260	ug/L	100.0		98.7	65-125	1.83	20	
Benzo(a)pyrene	85.4	0.200	ug/L	100.0		85.4	40-150	5.85	20	
Benzo(b)fluoranthene	103	0.170	ug/L	100.0		103	30-165	4.72	30	
Benzo(g,h,i)perylene	106	10.0	ug/L	100.0		106	40-175	9.51	20	
Benzo(k)fluoranthene	87.8	1.70	ug/L	100.0		87.8	35-125	16.6	30	
Chrysene	97.2	10.0	ug/L	100.0		97.2	60-125	0.411	20	
Dibenz(a,h)anthracene	99.8	0.100	ug/L	100.0		99.8	30-180	8.68	20	
Fluoranthene	94.2	10.0	ug/L	100.0		94.2	55-125	0.532	15	
Fluorene	81.1	10.0	ug/L	100.0		81.1	60-120	0.0493	15	
Indeno(1,2,3-cd)pyrene	105	0.220	ug/L	100.0		105	40-180	12.2	30	
Naphthalene	108	1.00	ug/L	100.0		108	40-115	1.21	14	
Phenanthrene	104	10.0	ug/L	100.0		104	50-115	0.115	18	
Pyrene	84.4	10.0	ug/L	100.0		84.4	55-130	12.8	20	
Surrogate: Nitrobenzene-d5	25.0		ug/L	40.00		62.6	50-125			
Surrogate: 2-Fluorobiphenyl	25.3		ug/L	40.00		63.2	50-120			
Surrogate: Terphenyl-d14	22.8		ug/L	40.00		57.1	30-150			

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

Lab Order: 11A0448

Notes and Definitions

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.

Sample preservation was met unless otherwise noted.