



Thursday, November 4, 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: 10J0915

Belmont Labs received 20 sample(s) on 10/19/2010 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

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

Lab Order: 10J0915

### Work Order Sample Summary

Lab Sample ID	Client Sample ID	Sampled Date	Received Date
10J0915-01A	B-2 (0-2)	10/15/2010 9:50:00AM	10/19/2010
10J0915-01B	B-2 (0-2)	10/15/2010 9:50:00AM	10/19/2010
10J0915-01C	B-2 (0-2)	10/15/2010 9:50:00AM	10/19/2010
10J0915-02A	B-2 (5.2-5.4)	10/15/2010 8:25:00AM	10/19/2010
10J0915-02B	B-2 (5.2-5.4)	10/15/2010 8:25:00AM	10/19/2010
10J0915-02C	B-2 (5.2-5.4)	10/15/2010 8:25:00AM	10/19/2010
10J0915-03A	B-1 (0-2)	10/15/2010 2:00:00PM	10/19/2010
10J0915-03B	B-1 (0-2)	10/15/2010 2:00:00PM	10/19/2010
10J0915-03C	B-1 (0-2)	10/15/2010 2:00:00PM	10/19/2010
10J0915-04A	B-1 (2-2.5)	10/15/2010 2:30:00PM	10/19/2010
10J0915-04B	B-1 (2-2.5)	10/15/2010 2:30:00PM	10/19/2010
10J0915-04C	B-1 (2-2.5)	10/15/2010 2:30:00PM	10/19/2010
10J0915-05A	Trip Blank	10/12/2010 2:00:00PM	10/19/2010
10J0915-06A	B-4 (0-2)	10/12/2010 2:00:00PM	10/19/2010
10J0915-06B	B-4 (0-2)	10/12/2010 2:00:00PM	10/19/2010
10J0915-06C	B-4 (0-2)	10/12/2010 2:00:00PM	10/19/2010
10J0915-07A	B-4 (6.5)	10/12/2010 3:10:00PM	10/19/2010
10J0915-07B	B-4 (6.5)	10/12/2010 3:10:00PM	10/19/2010
10J0915-07C	B-4 (6.5)	10/12/2010 3:10:00PM	10/19/2010
10J0915-08A	B-6 (0-2)	10/13/2010 9:30:00AM	10/19/2010
10J0915-08B	B-6 (0-2)	10/13/2010 9:30:00AM	10/19/2010
10J0915-08C	B-6 (0-2)	10/13/2010 9:30:00AM	10/19/2010
10J0915-09A	B-6 (70-72)	10/13/2010 10:00:00AM	10/19/2010
10J0915-09B	B-6 (70-72)	10/13/2010 10:00:00AM	10/19/2010
10J0915-09C	B-6 (70-72)	10/13/2010 10:00:00AM	10/19/2010
10J0915-10A	B-7 (0-2)	10/13/2010 11:00:00AM	10/19/2010
10J0915-10B	B-7 (0-2)	10/13/2010 11:00:00AM	10/19/2010
10J0915-10C	B-7 (0-2)	10/13/2010 11:00:00AM	10/19/2010
10J0915-11A	B-7 (60)	10/13/2010 11:30:00AM	10/19/2010
10J0915-11B	B-7 (60)	10/13/2010 11:30:00AM	10/19/2010
10J0915-11C	B-7 (60)	10/13/2010 11:30:00AM	10/19/2010
10J0915-12A	B-7 (60) DUP	10/13/2010 11:35:00AM	10/19/2010
10J0915-12B	B-7 (60) DUP	10/13/2010 11:35:00AM	10/19/2010

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<b>CLIENT:</b>	LJB Engineers & Architects	<b>Lab Order:</b>	10J0915
<b>Project:</b>	09020 Piqua Power Plant		

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10J0915-12C	B-7 (60) DUP	10/13/2010 11:35:00AM	10/19/2010
10J0915-13A	B-9 (0-2)	10/13/2010 2:00:00PM	10/19/2010
10J0915-13B	B-9 (0-2)	10/13/2010 2:00:00PM	10/19/2010
10J0915-13C	B-9 (0-2)	10/13/2010 2:00:00PM	10/19/2010
10J0915-14A	B-9 (2.5-3)	10/13/2010 2:15:00PM	10/19/2010
10J0915-14B	B-9 (2.5-3)	10/13/2010 2:15:00PM	10/19/2010
10J0915-14C	B-9 (2.5-3)	10/13/2010 2:15:00PM	10/19/2010
10J0915-15A	B-10 (0-2)	10/14/2010 8:00:00AM	10/19/2010
10J0915-15B	B-10 (0-2)	10/14/2010 8:00:00AM	10/19/2010
10J0915-15C	B-10 (0-2)	10/14/2010 8:00:00AM	10/19/2010
10J0915-16A	B-10 (13.5-14.5)	10/14/2010 9:45:00AM	10/19/2010
10J0915-16B	B-10 (13.5-14.5)	10/14/2010 9:45:00AM	10/19/2010
10J0915-16C	B-10 (13.5-14.5)	10/14/2010 9:45:00AM	10/19/2010
10J0915-17A	B-11 (0-2)	10/14/2010 11:00:00AM	10/19/2010
10J0915-17B	B-11 (0-2)	10/14/2010 11:00:00AM	10/19/2010
10J0915-17C	B-11 (0-2)	10/14/2010 11:00:00AM	10/19/2010
10J0915-18A	B-11 (5-5.5)	10/14/2010 12:00:00PM	10/19/2010
10J0915-18B	B-11 (5-5.5)	10/14/2010 12:00:00PM	10/19/2010
10J0915-18C	B-11 (5-5.5)	10/14/2010 12:00:00PM	10/19/2010
10J0915-19A	B-8 (0-2)	10/14/2010 3:00:00PM	10/19/2010
10J0915-19B	B-8 (0-2)	10/14/2010 3:00:00PM	10/19/2010
10J0915-19C	B-8 (0-2)	10/14/2010 3:00:00PM	10/19/2010
10J0915-20A	B-8 (60-64)	10/14/2010 3:30:00PM	10/19/2010
10J0915-20B	B-8 (60-64)	10/14/2010 3:30:00PM	10/19/2010
10J0915-20C	B-8 (60-64)	10/14/2010 3:30:00PM	10/19/2010

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

Lab Order: 10J0915

Lab ID: 10J0915-01  
 Client Sample ID: B-2 (0-2)

Collection Date: 10/15/2010 9:50:00AM  
 Matrix: Soil

Analysis	Result	PQL	Qual	Units	Dilution	Batch	Date Analyzed
<b>TPH C10-34</b>		<b>SW 8015</b>		<b>Analyst: MBG</b>			
C10 to C20	BDL	12.7		mg/kg dry	1	1044107	11/2/2010 4:44:00PM
C20 to C34	BDL	633		mg/kg dry	1	1044107	11/2/2010 4:44:00PM
<i>Surrogate: o-Terphenyl</i>		94.9 %		48-115		1044107	11/2/2010 4:44:00PM
<b>TPH GRO C6-C12</b>		<b>SW 8015</b>		<b>Analyst: EH</b>			
Gasoline Range Organics, C6 - C12	BDL	6.16		mg/kg dry	0.9723	1044057	10/25/2010 9:04:00PM
<i>Surrogate: a,a,a-Trifluorotoluene</i>		103 %		60-155		1044057	10/25/2010 9:04:00PM
<b>VOC 8260</b>		<b>SW 8260A</b>		<b>Analyst: KDS</b>			
1,1,1,2-Tetrachloroethane	BDL	0.00576		mg/kg dry	0.91	1045188	10/28/2010 12:23:00AM
1,1,1-Trichloroethane	BDL	0.00576		mg/kg dry	0.91	1045188	10/28/2010 12:23:00AM
1,1,2,2-Tetrachloroethane	BDL	0.00576		mg/kg dry	0.91	1045188	10/28/2010 12:23:00AM
1,1,2-Trichloroethane	BDL	0.00576		mg/kg dry	0.91	1045188	10/28/2010 12:23:00AM
1,1-Dichloroethane	BDL	0.00576		mg/kg dry	0.91	1045188	10/28/2010 12:23:00AM
1,1-Dichloroethene	BDL	0.00576		mg/kg dry	0.91	1045188	10/28/2010 12:23:00AM
1,1-Dichloropropene	BDL	0.00576		mg/kg dry	0.91	1045188	10/28/2010 12:23:00AM
1,2-Dibromoethane	BDL	0.00576		mg/kg dry	0.91	1045188	10/28/2010 12:23:00AM
1,2-Dichloroethane	BDL	0.00576		mg/kg dry	0.91	1045188	10/28/2010 12:23:00AM
1,2-Dichloropropane	BDL	0.00576		mg/kg dry	0.91	1045188	10/28/2010 12:23:00AM
1,3-Dichloropropane	BDL	0.00576		mg/kg dry	0.91	1045188	10/28/2010 12:23:00AM
2,2-Dichloropropane	BDL	0.00576		mg/kg dry	0.91	1045188	10/28/2010 12:23:00AM
2-Butanone	BDL	0.0231		mg/kg dry	0.91	1045188	10/28/2010 12:23:00AM
2-Chlorotoluene	BDL	0.00576		mg/kg dry	0.91	1045188	10/28/2010 12:23:00AM
2-Hexanone	BDL	0.0231		mg/kg dry	0.91	1045188	10/28/2010 12:23:00AM
4-Chlorotoluene	BDL	0.00576		mg/kg dry	0.91	1045188	10/28/2010 12:23:00AM
4-Methyl-2-pentanone	BDL	0.0231		mg/kg dry	0.91	1045188	10/28/2010 12:23:00AM
Acetone	BDL	0.0576		mg/kg dry	0.91	1045188	10/28/2010 12:23:00AM
Acetonitrile	BDL	0.0461		mg/kg dry	0.91	1045188	10/28/2010 12:23:00AM
Acrolein	BDL	0.0231		mg/kg dry	0.91	1045188	10/28/2010 12:23:00AM
Acrylonitrile	BDL	0.0231		mg/kg dry	0.91	1045188	10/28/2010 12:23:00AM
Allyl chloride	BDL	0.0115		mg/kg dry	0.91	1045188	10/28/2010 12:23:00AM
Benzene	BDL	0.00576		mg/kg dry	0.91	1045188	10/28/2010 12:23:00AM
Bromobenzene	BDL	0.00576		mg/kg dry	0.91	1045188	10/28/2010 12:23:00AM
Bromochloromethane	BDL	0.00576		mg/kg dry	0.91	1045188	10/28/2010 12:23:00AM
Bromodichloromethane	BDL	0.00576		mg/kg dry	0.91	1045188	10/28/2010 12:23:00AM
Bromoform	BDL	0.00576		mg/kg dry	0.91	1045188	10/28/2010 12:23:00AM
Bromomethane	BDL	0.00576		mg/kg dry	0.91	1045188	10/28/2010 12:23:00AM
Carbon Disulfide	BDL	0.0231		mg/kg dry	0.91	1045188	10/28/2010 12:23:00AM
Carbon Tetrachloride	BDL	0.00576		mg/kg dry	0.91	1045188	10/28/2010 12:23:00AM
Chlorobenzene	BDL	0.00576		mg/kg dry	0.91	1045188	10/28/2010 12:23:00AM
Chloroethane	BDL	0.00576		mg/kg dry	0.91	1045188	10/28/2010 12:23:00AM
Chloroform	BDL	0.00576		mg/kg dry	0.91	1045188	10/28/2010 12:23:00AM
Chloromethane	BDL	0.00576		mg/kg dry	0.91	1045188	10/28/2010 12:23:00AM
cis-1,2-Dichloroethene	BDL	0.00576		mg/kg dry	0.91	1045188	10/28/2010 12:23:00AM

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

**Lab Order:** 10J0915

**Lab ID:** 10J0915-01  
**Client Sample ID:** B-2 (0-2)

**Collection Date:** 10/15/2010 9:50:00AM  
**Matrix:** Soil

Analysis	Result	PQL	Qual	Units	Dilution	Batch	Date Analyzed
cis-1,3-Dichloropropene	BDL	0.00576		mg/kg dry	0.91	1045188	10/28/2010 12:23:00AM
Dibromochloromethane	BDL	0.00576		mg/kg dry	0.91	1045188	10/28/2010 12:23:00AM
Dibromomethane	BDL	0.00576		mg/kg dry	0.91	1045188	10/28/2010 12:23:00AM
Dichlorodifluoromethane	BDL	0.00576		mg/kg dry	0.91	1045188	10/28/2010 12:23:00AM
Ethylbenzene	BDL	0.00576		mg/kg dry	0.91	1045188	10/28/2010 12:23:00AM
Iodomethane	BDL	0.0115		mg/kg dry	0.91	1045188	10/28/2010 12:23:00AM
<b>Methylene Chloride</b>	<b>0.00733</b>	0.00576	O-01, B	mg/kg dry	0.91	1045188	10/28/2010 12:23:00AM
Methyl tert-Butyl Ether	BDL	0.0115		mg/kg dry	0.91	1045188	10/28/2010 12:23:00AM
m,p-Xylene	BDL	0.0115		mg/kg dry	0.91	1045188	10/28/2010 12:23:00AM
n-Hexane	BDL	0.00576		mg/kg dry	0.91	1045188	10/28/2010 12:23:00AM
o-Xylene	BDL	0.00576		mg/kg dry	0.91	1045188	10/28/2010 12:23:00AM
Styrene	BDL	0.00576		mg/kg dry	0.91	1045188	10/28/2010 12:23:00AM
Tetrachloroethene	BDL	0.00576		mg/kg dry	0.91	1045188	10/28/2010 12:23:00AM
Toluene	BDL	0.00576		mg/kg dry	0.91	1045188	10/28/2010 12:23:00AM
trans-1,2-Dichloroethene	BDL	0.00576		mg/kg dry	0.91	1045188	10/28/2010 12:23:00AM
trans-1,3-Dichloropropene	BDL	0.00576		mg/kg dry	0.91	1045188	10/28/2010 12:23:00AM
Trichloroethene	BDL	0.00576		mg/kg dry	0.91	1045188	10/28/2010 12:23:00AM
Trichlorofluoromethane	BDL	0.00576		mg/kg dry	0.91	1045188	10/28/2010 12:23:00AM
Vinyl Chloride	BDL	0.00576		mg/kg dry	0.91	1045188	10/28/2010 12:23:00AM
Vinyl acetate	BDL	0.0115		mg/kg dry	0.91	1045188	10/28/2010 12:23:00AM

<i>Surrogate: 4-Bromofluorobenzene</i>	69.5 %	41-140	1045188	10/28/2010 12:23:00AM
<i>Surrogate: Dibromofluoromethane</i>	110 %	33-129	1045188	10/28/2010 12:23:00AM
<i>Surrogate: Toluene-d8</i>	101 %	44-130	1045188	10/28/2010 12:23:00AM
<i>Surrogate: 1,2-Dichloroethane-d4</i>	108 %	31-123	1045188	10/28/2010 12:23:00AM

**PMOIST** **D 2216** **Analyst: AD**  
**Percent Moisture** **21.1** % by Weight 1 1045103 11/1/2010 12:00:00PM

**PAH\_FULL\_8270** **SW 8270C** **Analyst: mbg**

2-Methylnaphthalene	BDL	0.127		mg/kg dry	1	1044084	11/1/2010 11:31:00PM
Acenaphthene	BDL	0.127		mg/kg dry	1	1044084	11/1/2010 11:31:00PM
Acenaphthylene	BDL	0.127		mg/kg dry	1	1044084	11/1/2010 11:31:00PM
Anthracene	BDL	0.127		mg/kg dry	1	1044084	11/1/2010 11:31:00PM
Benz(a)anthracene	BDL	0.127		mg/kg dry	1	1044084	11/1/2010 11:31:00PM
<b>Benzo(a)pyrene</b>	<b>0.139</b>	0.127		mg/kg dry	1	1044084	11/1/2010 11:31:00PM
<b>Benzo(b)fluoranthene</b>	<b>0.171</b>	0.127		mg/kg dry	1	1044084	11/1/2010 11:31:00PM
Benzo(g,h,i)perylene	BDL	0.127		mg/kg dry	1	1044084	11/1/2010 11:31:00PM
Benzo(k)fluoranthene	BDL	0.127		mg/kg dry	1	1044084	11/1/2010 11:31:00PM
Chrysene	BDL	0.127		mg/kg dry	1	1044084	11/1/2010 11:31:00PM
Dibenz(a,h)anthracene	BDL	0.127		mg/kg dry	1	1044084	11/1/2010 11:31:00PM
Fluoranthene	BDL	0.127		mg/kg dry	1	1044084	11/1/2010 11:31:00PM
Fluorene	BDL	0.127		mg/kg dry	1	1044084	11/1/2010 11:31:00PM
Indeno(1,2,3-cd)pyrene	BDL	0.127		mg/kg dry	1	1044084	11/1/2010 11:31:00PM
Naphthalene	BDL	0.127		mg/kg dry	1	1044084	11/1/2010 11:31:00PM

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

Lab Order: 10J0915

Lab ID: 10J0915-01  
 Client Sample ID: B-2 (0-2)

Collection Date: 10/15/2010 9:50:00AM  
 Matrix: Soil

Analysis	Result	PQL	Qual	Units	Dilution	Batch	Date Analyzed
Phenanthrene	BDL	0.127		mg/kg dry	1	1044084	11/1/2010 11:31:00PM
<b>Pyrene</b>	<b>0.134</b>	0.127		mg/kg dry	1	1044084	11/1/2010 11:31:00PM
<i>Surrogate: Nitrobenzene-d5</i>		83.2 %		<i>51-126</i>		<i>1044084</i>	11/1/2010 11:31:00PM
<i>Surrogate: 2-Fluorobiphenyl</i>		73.3 %		<i>56-121</i>		<i>1044084</i>	11/1/2010 11:31:00PM
<i>Surrogate: Terphenyl-d14</i>		84.0 %		<i>40-140</i>		<i>1044084</i>	11/1/2010 11:31:00PM

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

Lab Order: 10J0915

Lab ID: 10J0915-02  
 Client Sample ID: B-2 (5.2-5.4)

Collection Date: 10/15/2010 8:25:00AM  
 Matrix: Soil

Analysis	Result	PQL	Qual	Units	Dilution	Batch	Date Analyzed
<b>TPH C10-34</b>		<b>SW 8015</b>		<b>Analyst: MBG</b>			
C10 to C20	BDL	10.8		mg/kg dry	1	1044107	11/2/2010 5:11:00PM
C20 to C34	BDL	539		mg/kg dry	1	1044107	11/2/2010 5:11:00PM
<i>Surrogate: o-Terphenyl</i>		88.6 %		48-115		1044107	11/2/2010 5:11:00PM
<b>TPH GRO C6-C12</b>		<b>SW 8015</b>		<b>Analyst: EH</b>			
Gasoline Range Organics, C6 - C12	BDL	5.21		mg/kg dry	0.9656	1044057	10/25/2010 9:35:00PM
<i>Surrogate: a,a,a-Trifluorotoluene</i>		67.0 %		60-155		1044057	10/25/2010 9:35:00PM
<b>VOC 8260</b>		<b>SW 8260A</b>		<b>Analyst: KDS</b>			
1,1,1,2-Tetrachloroethane	BDL	0.00496		mg/kg dry	0.92	1045188	10/27/2010 10:40:00PM
1,1,1-Trichloroethane	BDL	0.00496		mg/kg dry	0.92	1045188	10/27/2010 10:40:00PM
1,1,2,2-Tetrachloroethane	BDL	0.00496		mg/kg dry	0.92	1045188	10/27/2010 10:40:00PM
1,1,2-Trichloroethane	BDL	0.00496		mg/kg dry	0.92	1045188	10/27/2010 10:40:00PM
1,1-Dichloroethane	BDL	0.00496		mg/kg dry	0.92	1045188	10/27/2010 10:40:00PM
1,1-Dichloroethene	BDL	0.00496		mg/kg dry	0.92	1045188	10/27/2010 10:40:00PM
1,1-Dichloropropene	BDL	0.00496		mg/kg dry	0.92	1045188	10/27/2010 10:40:00PM
1,2-Dibromoethane	BDL	0.00496		mg/kg dry	0.92	1045188	10/27/2010 10:40:00PM
1,2-Dichloroethane	BDL	0.00496		mg/kg dry	0.92	1045188	10/27/2010 10:40:00PM
1,2-Dichloropropane	BDL	0.00496		mg/kg dry	0.92	1045188	10/27/2010 10:40:00PM
1,3-Dichloropropane	BDL	0.00496		mg/kg dry	0.92	1045188	10/27/2010 10:40:00PM
2,2-Dichloropropane	BDL	0.00496		mg/kg dry	0.92	1045188	10/27/2010 10:40:00PM
2-Butanone	BDL	0.0198		mg/kg dry	0.92	1045188	10/27/2010 10:40:00PM
2-Chlorotoluene	BDL	0.00496		mg/kg dry	0.92	1045188	10/27/2010 10:40:00PM
2-Hexanone	BDL	0.0198		mg/kg dry	0.92	1045188	10/27/2010 10:40:00PM
4-Chlorotoluene	BDL	0.00496		mg/kg dry	0.92	1045188	10/27/2010 10:40:00PM
4-Methyl-2-pentanone	BDL	0.0198		mg/kg dry	0.92	1045188	10/27/2010 10:40:00PM
Acetone	BDL	0.0496		mg/kg dry	0.92	1045188	10/27/2010 10:40:00PM
Acetonitrile	BDL	0.0397		mg/kg dry	0.92	1045188	10/27/2010 10:40:00PM
Acrolein	BDL	0.0198		mg/kg dry	0.92	1045188	10/27/2010 10:40:00PM
Acrylonitrile	BDL	0.0198		mg/kg dry	0.92	1045188	10/27/2010 10:40:00PM
Allyl chloride	BDL	0.00992		mg/kg dry	0.92	1045188	10/27/2010 10:40:00PM
Benzene	BDL	0.00496		mg/kg dry	0.92	1045188	10/27/2010 10:40:00PM
Bromobenzene	BDL	0.00496		mg/kg dry	0.92	1045188	10/27/2010 10:40:00PM
Bromochloromethane	BDL	0.00496		mg/kg dry	0.92	1045188	10/27/2010 10:40:00PM
Bromodichloromethane	BDL	0.00496		mg/kg dry	0.92	1045188	10/27/2010 10:40:00PM
Bromoform	BDL	0.00496		mg/kg dry	0.92	1045188	10/27/2010 10:40:00PM
Bromomethane	BDL	0.00496		mg/kg dry	0.92	1045188	10/27/2010 10:40:00PM
Carbon Disulfide	BDL	0.0198		mg/kg dry	0.92	1045188	10/27/2010 10:40:00PM
Carbon Tetrachloride	BDL	0.00496		mg/kg dry	0.92	1045188	10/27/2010 10:40:00PM
Chlorobenzene	BDL	0.00496		mg/kg dry	0.92	1045188	10/27/2010 10:40:00PM
Chloroethane	BDL	0.00496		mg/kg dry	0.92	1045188	10/27/2010 10:40:00PM
Chloroform	BDL	0.00496		mg/kg dry	0.92	1045188	10/27/2010 10:40:00PM
Chloromethane	BDL	0.00496		mg/kg dry	0.92	1045188	10/27/2010 10:40:00PM
cis-1,2-Dichloroethene	BDL	0.00496		mg/kg dry	0.92	1045188	10/27/2010 10:40:00PM

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

**Lab Order:** 10J0915

**Lab ID:** 10J0915-02  
**Client Sample ID:** B-2 (5.2-5.4)

**Collection Date:** 10/15/2010 8:25:00AM  
**Matrix:** Soil

Analysis	Result	PQL	Qual	Units	Dilution	Batch	Date Analyzed
cis-1,3-Dichloropropene	BDL	0.00496		mg/kg dry	0.92	1045188	10/27/2010 10:40:00PM
Dibromochloromethane	BDL	0.00496		mg/kg dry	0.92	1045188	10/27/2010 10:40:00PM
Dibromomethane	BDL	0.00496		mg/kg dry	0.92	1045188	10/27/2010 10:40:00PM
Dichlorodifluoromethane	BDL	0.00496		mg/kg dry	0.92	1045188	10/27/2010 10:40:00PM
Ethylbenzene	BDL	0.00496		mg/kg dry	0.92	1045188	10/27/2010 10:40:00PM
Iodomethane	BDL	0.00992		mg/kg dry	0.92	1045188	10/27/2010 10:40:00PM
<b>Methylene Chloride</b>	<b>0.0329</b>	0.00496	O-01, B	mg/kg dry	0.92	1045188	10/27/2010 10:40:00PM
Methyl tert-Butyl Ether	BDL	0.00992		mg/kg dry	0.92	1045188	10/27/2010 10:40:00PM
m,p-Xylene	BDL	0.00992		mg/kg dry	0.92	1045188	10/27/2010 10:40:00PM
n-Hexane	BDL	0.00496		mg/kg dry	0.92	1045188	10/27/2010 10:40:00PM
o-Xylene	BDL	0.00496		mg/kg dry	0.92	1045188	10/27/2010 10:40:00PM
Styrene	BDL	0.00496		mg/kg dry	0.92	1045188	10/27/2010 10:40:00PM
Tetrachloroethene	BDL	0.00496		mg/kg dry	0.92	1045188	10/27/2010 10:40:00PM
Toluene	BDL	0.00496		mg/kg dry	0.92	1045188	10/27/2010 10:40:00PM
trans-1,2-Dichloroethene	BDL	0.00496		mg/kg dry	0.92	1045188	10/27/2010 10:40:00PM
trans-1,3-Dichloropropene	BDL	0.00496		mg/kg dry	0.92	1045188	10/27/2010 10:40:00PM
Trichloroethene	BDL	0.00496		mg/kg dry	0.92	1045188	10/27/2010 10:40:00PM
Trichlorofluoromethane	BDL	0.00496		mg/kg dry	0.92	1045188	10/27/2010 10:40:00PM
Vinyl Chloride	BDL	0.00496		mg/kg dry	0.92	1045188	10/27/2010 10:40:00PM
Vinyl acetate	BDL	0.00992		mg/kg dry	0.92	1045188	10/27/2010 10:40:00PM

<i>Surrogate: 4-Bromofluorobenzene</i>	66.2 %	41-140	1045188	10/27/2010 10:40:00PM
<i>Surrogate: Dibromofluoromethane</i>	115 %	33-129	1045188	10/27/2010 10:40:00PM
<i>Surrogate: Toluene-d8</i>	105 %	44-130	1045188	10/27/2010 10:40:00PM
<i>Surrogate: 1,2-Dichloroethane-d4</i>	113 %	31-123	1045188	10/27/2010 10:40:00PM

**PMOIST** **D 2216** **Analyst: AD**  
**Percent Moisture** **7.28** % by Weight 1 1045103 11/1/2010 12:00:00PM

**PAH\_FULL\_8270** **SW 8270C** **Analyst: mbg**

2-Methylnaphthalene	BDL	0.108	mg/kg dry	1	1044161	11/1/2010 7:25:00PM
Acenaphthene	BDL	0.108	mg/kg dry	1	1044161	11/1/2010 7:25:00PM
Acenaphthylene	BDL	0.108	mg/kg dry	1	1044161	11/1/2010 7:25:00PM
<b>Anthracene</b>	<b>0.462</b>	0.108	mg/kg dry	1	1044161	11/1/2010 7:25:00PM
<b>Benz(a)anthracene</b>	<b>0.425</b>	0.108	mg/kg dry	1	1044161	11/1/2010 7:25:00PM
<b>Benzo(a)pyrene</b>	<b>0.436</b>	0.108	mg/kg dry	1	1044161	11/1/2010 7:25:00PM
<b>Benzo(b)fluoranthene</b>	<b>0.524</b>	0.108	mg/kg dry	1	1044161	11/1/2010 7:25:00PM
<b>Benzo(g,h,i)perylene</b>	<b>0.462</b>	0.108	mg/kg dry	1	1044161	11/1/2010 7:25:00PM
<b>Benzo(k)fluoranthene</b>	<b>0.438</b>	0.108	mg/kg dry	1	1044161	11/1/2010 7:25:00PM
<b>Chrysene</b>	<b>0.551</b>	0.108	mg/kg dry	1	1044161	11/1/2010 7:25:00PM
<b>Dibenz(a,h)anthracene</b>	<b>0.230</b>	0.108	mg/kg dry	1	1044161	11/1/2010 7:25:00PM
<b>Fluoranthene</b>	<b>0.746</b>	0.108	mg/kg dry	1	1044161	11/1/2010 7:25:00PM
Fluorene	BDL	0.108	mg/kg dry	1	1044161	11/1/2010 7:25:00PM
<b>Indeno(1,2,3-cd)pyrene</b>	<b>0.408</b>	0.108	mg/kg dry	1	1044161	11/1/2010 7:25:00PM
Naphthalene	BDL	0.108	mg/kg dry	1	1044161	11/1/2010 7:25:00PM



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

**Lab Order:** 10J0915

**Lab ID:** 10J0915-02  
**Client Sample ID:** B-2 (5.2-5.4)

**Collection Date:** 10/15/2010 8:25:00AM  
**Matrix:** Soil

Analysis	Result	PQL	Qual	Units	Dilution	Batch	Date Analyzed
Phenanthrene	BDL	0.108		mg/kg dry	1	1044161	11/1/2010 7:25:00PM
<b>Pyrene</b>	<b>0.747</b>	0.108		mg/kg dry	1	1044161	11/1/2010 7:25:00PM
<i>Surrogate: Nitrobenzene-d5</i>		<i>107 %</i>		<i>51-126</i>		<i>1044161</i>	<i>11/1/2010 7:25:00PM</i>
<i>Surrogate: 2-Fluorobiphenyl</i>		<i>110 %</i>		<i>56-121</i>		<i>1044161</i>	<i>11/1/2010 7:25:00PM</i>
<i>Surrogate: Terphenyl-d14</i>		<i>88.7 %</i>		<i>40-140</i>		<i>1044161</i>	<i>11/1/2010 7:25:00PM</i>

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

**Lab Order:** 10J0915

**Lab ID:** 10J0915-03  
**Client Sample ID:** B-1 (0-2)

**Collection Date:** 10/15/2010 2:00:00PM  
**Matrix:** Soil

Analysis	Result	PQL	Qual	Units	Dilution	Batch	Date Analyzed
<b>TPH C10-34</b>		<b>SW 8015</b>		<b>Analyst: MBG</b>			
C10 to C20	BDL	13.3		mg/kg dry	1	1043253	11/2/2010 5:38:00PM
C20 to C34	BDL	667		mg/kg dry	1	1043253	11/2/2010 5:38:00PM
<i>Surrogate: o-Terphenyl</i>		94.1 %		48-115		1043253	11/2/2010 5:38:00PM
<b>TPH GRO C6-C12</b>		<b>SW 8015</b>		<b>Analyst: EH</b>			
Gasoline Range Organics, C6 - C12	BDL	6.67		mg/kg dry	0.9992	1044057	10/25/2010 10:05:00PM
<i>Surrogate: a,a,a-Trifluorotoluene</i>		98.0 %		60-155		1044057	10/25/2010 10:05:00PM
<b>PCB_8082</b>		<b>SW 8082</b>		<b>Analyst: MBG</b>			
Aroclor 1016	BDL	0.0267		mg/kg dry	1	1043243	10/25/2010 12:33:00AM
Aroclor 1221	BDL	0.0267		mg/kg dry	1	1043243	10/25/2010 12:33:00AM
Aroclor 1232	BDL	0.0267		mg/kg dry	1	1043243	10/25/2010 12:33:00AM
Aroclor 1242	BDL	0.0267		mg/kg dry	1	1043243	10/25/2010 12:33:00AM
Aroclor 1248	BDL	0.0267		mg/kg dry	1	1043243	10/25/2010 12:33:00AM
Aroclor 1254	BDL	0.0267		mg/kg dry	1	1043243	10/25/2010 12:33:00AM
Aroclor 1260	BDL	0.0267		mg/kg dry	1	1043243	10/25/2010 12:33:00AM
<i>Surrogate: Decachlorobiphenyl</i>		99.0 %		40-159		1043243	10/25/2010 12:33:00AM
<i>Surrogate: Tetrachloro-m-xylene</i>		77.0 %		47-125		1043243	10/25/2010 12:33:00AM
<b>VOC 8260</b>		<b>SW 8260A</b>		<b>Analyst: kds</b>			
1,1,1,2-Tetrachloroethane	BDL	0.00654		mg/kg dry	0.98	1045194	10/28/2010 4:37:00PM
1,1,1-Trichloroethane	BDL	0.00654		mg/kg dry	0.98	1045194	10/28/2010 4:37:00PM
1,1,2,2-Tetrachloroethane	BDL	0.00654		mg/kg dry	0.98	1045194	10/28/2010 4:37:00PM
1,1,2-Trichloroethane	BDL	0.00654		mg/kg dry	0.98	1045194	10/28/2010 4:37:00PM
1,1-Dichloroethane	BDL	0.00654		mg/kg dry	0.98	1045194	10/28/2010 4:37:00PM
1,1-Dichloroethene	BDL	0.00654		mg/kg dry	0.98	1045194	10/28/2010 4:37:00PM
1,1-Dichloropropene	BDL	0.00654		mg/kg dry	0.98	1045194	10/28/2010 4:37:00PM
1,2-Dibromoethane	BDL	0.00654		mg/kg dry	0.98	1045194	10/28/2010 4:37:00PM
1,2-Dichloroethane	BDL	0.00654		mg/kg dry	0.98	1045194	10/28/2010 4:37:00PM
1,2-Dichloropropane	BDL	0.00654		mg/kg dry	0.98	1045194	10/28/2010 4:37:00PM
1,3-Dichloropropane	BDL	0.00654		mg/kg dry	0.98	1045194	10/28/2010 4:37:00PM
2,2-Dichloropropane	BDL	0.00654		mg/kg dry	0.98	1045194	10/28/2010 4:37:00PM
2-Butanone	BDL	0.0262		mg/kg dry	0.98	1045194	10/28/2010 4:37:00PM
2-Chlorotoluene	BDL	0.00654		mg/kg dry	0.98	1045194	10/28/2010 4:37:00PM
2-Hexanone	BDL	0.0262		mg/kg dry	0.98	1045194	10/28/2010 4:37:00PM
4-Chlorotoluene	BDL	0.00654		mg/kg dry	0.98	1045194	10/28/2010 4:37:00PM
4-Methyl-2-pentanone	BDL	0.0262		mg/kg dry	0.98	1045194	10/28/2010 4:37:00PM
Acetone	BDL	0.0654		mg/kg dry	0.98	1045194	10/28/2010 4:37:00PM
Acetonitrile	BDL	0.0523		mg/kg dry	0.98	1045194	10/28/2010 4:37:00PM
Acrolein	BDL	0.0262		mg/kg dry	0.98	1045194	10/28/2010 4:37:00PM
Acrylonitrile	BDL	0.0262		mg/kg dry	0.98	1045194	10/28/2010 4:37:00PM
Allyl chloride	BDL	0.0131		mg/kg dry	0.98	1045194	10/28/2010 4:37:00PM
Benzene	BDL	0.00654		mg/kg dry	0.98	1045194	10/28/2010 4:37:00PM

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

**Lab Order:** 10J0915

**Lab ID:** 10J0915-03  
**Client Sample ID:** B-1 (0-2)

**Collection Date:** 10/15/2010 2:00:00PM  
**Matrix:** Soil

Analysis	Result	PQL	Qual	Units	Dilution	Batch	Date Analyzed
Bromobenzene	BDL	0.00654		mg/kg dry	0.98	1045194	10/28/2010 4:37:00PM
Bromochloromethane	BDL	0.00654		mg/kg dry	0.98	1045194	10/28/2010 4:37:00PM
Bromodichloromethane	BDL	0.00654		mg/kg dry	0.98	1045194	10/28/2010 4:37:00PM
Bromoform	BDL	0.00654		mg/kg dry	0.98	1045194	10/28/2010 4:37:00PM
Bromomethane	BDL	0.00654		mg/kg dry	0.98	1045194	10/28/2010 4:37:00PM
Carbon Disulfide	BDL	0.0262		mg/kg dry	0.98	1045194	10/28/2010 4:37:00PM
Carbon Tetrachloride	BDL	0.00654		mg/kg dry	0.98	1045194	10/28/2010 4:37:00PM
Chlorobenzene	BDL	0.00654		mg/kg dry	0.98	1045194	10/28/2010 4:37:00PM
Chloroethane	BDL	0.00654		mg/kg dry	0.98	1045194	10/28/2010 4:37:00PM
Chloroform	BDL	0.00654		mg/kg dry	0.98	1045194	10/28/2010 4:37:00PM
Chloromethane	BDL	0.00654		mg/kg dry	0.98	1045194	10/28/2010 4:37:00PM
cis-1,2-Dichloroethene	BDL	0.00654		mg/kg dry	0.98	1045194	10/28/2010 4:37:00PM
cis-1,3-Dichloropropene	BDL	0.00654		mg/kg dry	0.98	1045194	10/28/2010 4:37:00PM
Dibromochloromethane	BDL	0.00654		mg/kg dry	0.98	1045194	10/28/2010 4:37:00PM
Dibromomethane	BDL	0.00654		mg/kg dry	0.98	1045194	10/28/2010 4:37:00PM
Dichlorodifluoromethane	BDL	0.00654		mg/kg dry	0.98	1045194	10/28/2010 4:37:00PM
Ethylbenzene	BDL	0.00654		mg/kg dry	0.98	1045194	10/28/2010 4:37:00PM
Iodomethane	BDL	0.0131		mg/kg dry	0.98	1045194	10/28/2010 4:37:00PM
<b>Methylene Chloride</b>	<b>0.00757</b>	0.00654	O-01	mg/kg dry	0.98	1045194	10/28/2010 4:37:00PM
Methyl tert-Butyl Ether	BDL	0.0131		mg/kg dry	0.98	1045194	10/28/2010 4:37:00PM
m,p-Xylene	BDL	0.0131		mg/kg dry	0.98	1045194	10/28/2010 4:37:00PM
n-Hexane	BDL	0.00654		mg/kg dry	0.98	1045194	10/28/2010 4:37:00PM
o-Xylene	BDL	0.00654		mg/kg dry	0.98	1045194	10/28/2010 4:37:00PM
Styrene	BDL	0.00654		mg/kg dry	0.98	1045194	10/28/2010 4:37:00PM
Tetrachloroethene	BDL	0.00654		mg/kg dry	0.98	1045194	10/28/2010 4:37:00PM
Toluene	BDL	0.00654		mg/kg dry	0.98	1045194	10/28/2010 4:37:00PM
trans-1,2-Dichloroethene	BDL	0.00654		mg/kg dry	0.98	1045194	10/28/2010 4:37:00PM
trans-1,3-Dichloropropene	BDL	0.00654		mg/kg dry	0.98	1045194	10/28/2010 4:37:00PM
Trichloroethene	BDL	0.00654		mg/kg dry	0.98	1045194	10/28/2010 4:37:00PM
Trichlorofluoromethane	BDL	0.00654		mg/kg dry	0.98	1045194	10/28/2010 4:37:00PM
Vinyl Chloride	BDL	0.00654		mg/kg dry	0.98	1045194	10/28/2010 4:37:00PM
Vinyl acetate	BDL	0.0131		mg/kg dry	0.98	1045194	10/28/2010 4:37:00PM

<i>Surrogate: 4-Bromofluorobenzene</i>	83.0 %	41-140	1045194	10/28/2010 4:37:00PM
<i>Surrogate: Dibromofluoromethane</i>	75.4 %	33-129	1045194	10/28/2010 4:37:00PM
<i>Surrogate: Toluene-d8</i>	77.7 %	44-130	1045194	10/28/2010 4:37:00PM
<i>Surrogate: 1,2-Dichloroethane-d4</i>	76.8 %	31-123	1045194	10/28/2010 4:37:00PM

**PMOIST** **D 2216** **Analyst: AD**  
**Percent Moisture** 25.1 % by Weight 1 1045103 11/1/2010 12:00:00PM

**PAH\_FULL\_8270** **SW 8270C** **Analyst: mbg**  
2-Methylnaphthalene BDL 0.133 mg/kg dry 1 1044161 10/30/2010 7:07:00PM  
Acenaphthene BDL 0.133 mg/kg dry 1 1044161 10/30/2010 7:07:00PM  
Acenaphthylene BDL 0.133 mg/kg dry 1 1044161 10/30/2010 7:07:00PM

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

**Lab Order:** 10J0915

**Lab ID:** 10J0915-03  
**Client Sample ID:** B-1 (0-2)

**Collection Date:** 10/15/2010 2:00:00PM  
**Matrix:** Soil

Analysis	Result	PQL	Qual	Units	Dilution	Batch	Date Analyzed
Anthracene	BDL	0.133		mg/kg dry	1	1044161	10/30/2010 7:07:00PM
Benz(a)anthracene	BDL	0.133		mg/kg dry	1	1044161	10/30/2010 7:07:00PM
Benzo(a)pyrene	BDL	0.133		mg/kg dry	1	1044161	10/30/2010 7:07:00PM
Benzo(b)fluoranthene	BDL	0.133		mg/kg dry	1	1044161	10/30/2010 7:07:00PM
Benzo(g,h,i)perylene	BDL	0.133		mg/kg dry	1	1044161	10/30/2010 7:07:00PM
Benzo(k)fluoranthene	BDL	0.133		mg/kg dry	1	1044161	10/30/2010 7:07:00PM
Chrysene	BDL	0.133		mg/kg dry	1	1044161	10/30/2010 7:07:00PM
Dibenz(a,h)anthracene	BDL	0.133		mg/kg dry	1	1044161	10/30/2010 7:07:00PM
Fluoranthene	BDL	0.133		mg/kg dry	1	1044161	10/30/2010 7:07:00PM
Fluorene	BDL	0.133		mg/kg dry	1	1044161	10/30/2010 7:07:00PM
Indeno(1,2,3-cd)pyrene	BDL	0.133		mg/kg dry	1	1044161	10/30/2010 7:07:00PM
Naphthalene	BDL	0.133		mg/kg dry	1	1044161	10/30/2010 7:07:00PM
Phenanthrene	BDL	0.133		mg/kg dry	1	1044161	10/30/2010 7:07:00PM
Pyrene	BDL	0.133		mg/kg dry	1	1044161	10/30/2010 7:07:00PM
<i>Surrogate: Nitrobenzene-d5</i>		<i>108 %</i>		<i>51-126</i>		<i>1044161</i>	<i>10/30/2010 7:07:00PM</i>
<i>Surrogate: 2-Fluorobiphenyl</i>		<i>108 %</i>		<i>56-121</i>		<i>1044161</i>	<i>10/30/2010 7:07:00PM</i>
<i>Surrogate: Terphenyl-d14</i>		<i>110 %</i>		<i>40-140</i>		<i>1044161</i>	<i>10/30/2010 7:07:00PM</i>

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

**Lab Order:** 10J0915

**Lab ID:** 10J0915-04  
**Client Sample ID:** B-1 (2-2.5)

**Collection Date:** 10/15/2010 2:30:00PM  
**Matrix:** Soil

Analysis	Result	PQL	Qual	Units	Dilution	Batch	Date Analyzed
<b>TPH C10-34</b>		<b>SW 8015</b>		<b>Analyst: MBG</b>			
C10 to C20	59.1	12.8		mg/kg dry	1	1043253	11/2/2010 6:06:00PM
C20 to C34	BDL	642		mg/kg dry	1	1043253	11/2/2010 6:06:00PM
<i>Surrogate: o-Terphenyl</i>		94.9 %		48-115		1043253	11/2/2010 6:06:00PM
<b>TPH GRO C6-C12</b>		<b>SW 8015</b>		<b>Analyst: EH</b>			
Gasoline Range Organics, C6 - C12	BDL	6.41		mg/kg dry	0.9982	1044057	10/25/2010 10:36:00PM
<i>Surrogate: a,a,a-Trifluorotoluene</i>		99.0 %		60-155		1044057	10/25/2010 10:36:00PM
<b>PCB_8082</b>		<b>SW 8082</b>		<b>Analyst: MBG</b>			
Aroclor 1016	BDL	0.0257		mg/kg dry	1	1043243	10/25/2010 12:57:00AM
Aroclor 1221	BDL	0.0257		mg/kg dry	1	1043243	10/25/2010 12:57:00AM
Aroclor 1232	BDL	0.0257		mg/kg dry	1	1043243	10/25/2010 12:57:00AM
Aroclor 1242	BDL	0.0257		mg/kg dry	1	1043243	10/25/2010 12:57:00AM
Aroclor 1248	BDL	0.0257		mg/kg dry	1	1043243	10/25/2010 12:57:00AM
Aroclor 1254	BDL	0.0257		mg/kg dry	1	1043243	10/25/2010 12:57:00AM
Aroclor 1260	BDL	0.0257		mg/kg dry	1	1043243	10/25/2010 12:57:00AM
<i>Surrogate: Decachlorobiphenyl</i>		83.0 %		40-159		1043243	10/25/2010 12:57:00AM
<i>Surrogate: Tetrachloro-m-xylene</i>		53.0 %		47-125		1043243	10/25/2010 12:57:00AM
<b>VOC 8260</b>		<b>SW 8260A</b>		<b>Analyst: kds</b>			
1,1,1,2-Tetrachloroethane	BDL	0.00597		mg/kg dry	0.93	1045194	10/28/2010 5:42:00PM
1,1,1-Trichloroethane	BDL	0.00597		mg/kg dry	0.93	1045194	10/28/2010 5:42:00PM
1,1,2,2-Tetrachloroethane	BDL	0.00597		mg/kg dry	0.93	1045194	10/28/2010 5:42:00PM
1,1,2-Trichloroethane	BDL	0.00597		mg/kg dry	0.93	1045194	10/28/2010 5:42:00PM
1,1-Dichloroethane	BDL	0.00597		mg/kg dry	0.93	1045194	10/28/2010 5:42:00PM
1,1-Dichloroethene	BDL	0.00597		mg/kg dry	0.93	1045194	10/28/2010 5:42:00PM
1,1-Dichloropropene	BDL	0.00597		mg/kg dry	0.93	1045194	10/28/2010 5:42:00PM
1,2-Dibromoethane	BDL	0.00597		mg/kg dry	0.93	1045194	10/28/2010 5:42:00PM
1,2-Dichloroethane	BDL	0.00597		mg/kg dry	0.93	1045194	10/28/2010 5:42:00PM
1,2-Dichloropropane	BDL	0.00597		mg/kg dry	0.93	1045194	10/28/2010 5:42:00PM
1,3-Dichloropropane	BDL	0.00597		mg/kg dry	0.93	1045194	10/28/2010 5:42:00PM
2,2-Dichloropropane	BDL	0.00597		mg/kg dry	0.93	1045194	10/28/2010 5:42:00PM
2-Butanone	BDL	0.0239		mg/kg dry	0.93	1045194	10/28/2010 5:42:00PM
2-Chlorotoluene	BDL	0.00597		mg/kg dry	0.93	1045194	10/28/2010 5:42:00PM
2-Hexanone	BDL	0.0239		mg/kg dry	0.93	1045194	10/28/2010 5:42:00PM
4-Chlorotoluene	BDL	0.00597		mg/kg dry	0.93	1045194	10/28/2010 5:42:00PM
4-Methyl-2-pentanone	BDL	0.0239		mg/kg dry	0.93	1045194	10/28/2010 5:42:00PM
Acetone	BDL	0.0597		mg/kg dry	0.93	1045194	10/28/2010 5:42:00PM
Acetonitrile	BDL	0.0478		mg/kg dry	0.93	1045194	10/28/2010 5:42:00PM
Acrolein	BDL	0.0239		mg/kg dry	0.93	1045194	10/28/2010 5:42:00PM
Acrylonitrile	BDL	0.0239		mg/kg dry	0.93	1045194	10/28/2010 5:42:00PM
Allyl chloride	BDL	0.0119		mg/kg dry	0.93	1045194	10/28/2010 5:42:00PM
Benzene	BDL	0.00597		mg/kg dry	0.93	1045194	10/28/2010 5:42:00PM

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

**Lab Order:** 10J0915

**Lab ID:** 10J0915-04  
**Client Sample ID:** B-1 (2-2.5)

**Collection Date:** 10/15/2010 2:30:00PM  
**Matrix:** Soil

Analysis	Result	PQL	Qual	Units	Dilution	Batch	Date Analyzed
Bromobenzene	BDL	0.00597		mg/kg dry	0.93	1045194	10/28/2010 5:42:00PM
Bromochloromethane	BDL	0.00597		mg/kg dry	0.93	1045194	10/28/2010 5:42:00PM
Bromodichloromethane	BDL	0.00597		mg/kg dry	0.93	1045194	10/28/2010 5:42:00PM
Bromoform	BDL	0.00597		mg/kg dry	0.93	1045194	10/28/2010 5:42:00PM
Bromomethane	BDL	0.00597		mg/kg dry	0.93	1045194	10/28/2010 5:42:00PM
Carbon Disulfide	BDL	0.0239		mg/kg dry	0.93	1045194	10/28/2010 5:42:00PM
Carbon Tetrachloride	BDL	0.00597		mg/kg dry	0.93	1045194	10/28/2010 5:42:00PM
Chlorobenzene	BDL	0.00597		mg/kg dry	0.93	1045194	10/28/2010 5:42:00PM
Chloroethane	BDL	0.00597		mg/kg dry	0.93	1045194	10/28/2010 5:42:00PM
Chloroform	BDL	0.00597		mg/kg dry	0.93	1045194	10/28/2010 5:42:00PM
Chloromethane	BDL	0.00597		mg/kg dry	0.93	1045194	10/28/2010 5:42:00PM
cis-1,2-Dichloroethene	BDL	0.00597		mg/kg dry	0.93	1045194	10/28/2010 5:42:00PM
cis-1,3-Dichloropropene	BDL	0.00597		mg/kg dry	0.93	1045194	10/28/2010 5:42:00PM
Dibromochloromethane	BDL	0.00597		mg/kg dry	0.93	1045194	10/28/2010 5:42:00PM
Dibromomethane	BDL	0.00597		mg/kg dry	0.93	1045194	10/28/2010 5:42:00PM
Dichlorodifluoromethane	BDL	0.00597		mg/kg dry	0.93	1045194	10/28/2010 5:42:00PM
Ethylbenzene	BDL	0.00597		mg/kg dry	0.93	1045194	10/28/2010 5:42:00PM
Iodomethane	BDL	0.0119		mg/kg dry	0.93	1045194	10/28/2010 5:42:00PM
<b>Methylene Chloride</b>	<b>0.0346</b>	0.00597	O-01	mg/kg dry	0.93	1045194	10/28/2010 5:42:00PM
Methyl tert-Butyl Ether	BDL	0.0119		mg/kg dry	0.93	1045194	10/28/2010 5:42:00PM
m,p-Xylene	BDL	0.0119		mg/kg dry	0.93	1045194	10/28/2010 5:42:00PM
n-Hexane	BDL	0.00597		mg/kg dry	0.93	1045194	10/28/2010 5:42:00PM
o-Xylene	BDL	0.00597		mg/kg dry	0.93	1045194	10/28/2010 5:42:00PM
Styrene	BDL	0.00597		mg/kg dry	0.93	1045194	10/28/2010 5:42:00PM
Tetrachloroethene	BDL	0.00597		mg/kg dry	0.93	1045194	10/28/2010 5:42:00PM
Toluene	BDL	0.00597		mg/kg dry	0.93	1045194	10/28/2010 5:42:00PM
trans-1,2-Dichloroethene	BDL	0.00597		mg/kg dry	0.93	1045194	10/28/2010 5:42:00PM
trans-1,3-Dichloropropene	BDL	0.00597		mg/kg dry	0.93	1045194	10/28/2010 5:42:00PM
Trichloroethene	BDL	0.00597		mg/kg dry	0.93	1045194	10/28/2010 5:42:00PM
Trichlorofluoromethane	BDL	0.00597		mg/kg dry	0.93	1045194	10/28/2010 5:42:00PM
Vinyl Chloride	BDL	0.00597		mg/kg dry	0.93	1045194	10/28/2010 5:42:00PM
Vinyl acetate	BDL	0.0119		mg/kg dry	0.93	1045194	10/28/2010 5:42:00PM

<i>Surrogate: 4-Bromofluorobenzene</i>	81.8 %	41-140	1045194	10/28/2010 5:42:00PM
<i>Surrogate: Dibromofluoromethane</i>	75.7 %	33-129	1045194	10/28/2010 5:42:00PM
<i>Surrogate: Toluene-d8</i>	78.0 %	44-130	1045194	10/28/2010 5:42:00PM
<i>Surrogate: 1,2-Dichloroethane-d4</i>	76.1 %	31-123	1045194	10/28/2010 5:42:00PM

**PMOIST** **D 2216** **Analyst: AD**  
**Percent Moisture** **22.2** % by Weight 1 1045103 11/1/2010 12:00:00PM

**PAH\_FULL\_8270** **SW 8270C** **Analyst: mbg**  
2-Methylnaphthalene BDL 0.128 mg/kg dry 1 1044161 10/30/2010 5:13:00PM  
Acenaphthene BDL 0.128 mg/kg dry 1 1044161 10/30/2010 5:13:00PM  
Acenaphthylene BDL 0.128 mg/kg dry 1 1044161 10/30/2010 5:13:00PM

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

Lab Order: 10J0915

Lab ID: 10J0915-04  
 Client Sample ID: B-1 (2-2.5)

Collection Date: 10/15/2010 2:30:00PM  
 Matrix: Soil

Analysis	Result	PQL	Qual	Units	Dilution	Batch	Date Analyzed
Anthracene	BDL	0.128		mg/kg dry	1	1044161	10/30/2010 5:13:00PM
<b>Benz(a)anthracene</b>	<b>0.130</b>	0.128		mg/kg dry	1	1044161	10/30/2010 5:13:00PM
Benzo(a)pyrene	BDL	0.128		mg/kg dry	1	1044161	10/30/2010 5:13:00PM
<b>Benzo(b)fluoranthene</b>	<b>0.157</b>	0.128		mg/kg dry	1	1044161	10/30/2010 5:13:00PM
Benzo(g,h,i)perylene	BDL	0.128		mg/kg dry	1	1044161	10/30/2010 5:13:00PM
Benzo(k)fluoranthene	BDL	0.128		mg/kg dry	1	1044161	10/30/2010 5:13:00PM
Chrysene	BDL	0.128		mg/kg dry	1	1044161	10/30/2010 5:13:00PM
Dibenz(a,h)anthracene	BDL	0.128		mg/kg dry	1	1044161	10/30/2010 5:13:00PM
Fluoranthene	BDL	0.128		mg/kg dry	1	1044161	10/30/2010 5:13:00PM
Fluorene	BDL	0.128		mg/kg dry	1	1044161	10/30/2010 5:13:00PM
Indeno(1,2,3-cd)pyrene	BDL	0.128		mg/kg dry	1	1044161	10/30/2010 5:13:00PM
Naphthalene	BDL	0.128		mg/kg dry	1	1044161	10/30/2010 5:13:00PM
Phenanthrene	BDL	0.128		mg/kg dry	1	1044161	10/30/2010 5:13:00PM
<b>Pyrene</b>	<b>0.154</b>	0.128		mg/kg dry	1	1044161	10/30/2010 5:13:00PM
<i>Surrogate: Nitrobenzene-d5</i>		<i>107 %</i>		<i>51-126</i>		<i>1044161</i>	<i>10/30/2010 5:13:00PM</i>
<i>Surrogate: 2-Fluorobiphenyl</i>		<i>105 %</i>		<i>56-121</i>		<i>1044161</i>	<i>10/30/2010 5:13:00PM</i>
<i>Surrogate: Terphenyl-d14</i>		<i>109 %</i>		<i>40-140</i>		<i>1044161</i>	<i>10/30/2010 5:13:00PM</i>

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

Lab Order: 10J0915

Lab ID: 10J0915-05  
 Client Sample ID: Trip Blank

Collection Date: 10/12/2010 2:00:00PM  
 Matrix: Water

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	1044282	10/25/2010 1:55:00PM
1,1,1-Trichloroethane	BDL	5.00		ug/L	1	1044282	10/25/2010 1:55:00PM
1,1,2,2-Tetrachloroethane	BDL	5.00		ug/L	1	1044282	10/25/2010 1:55:00PM
1,1,2-Trichloroethane	BDL	5.00		ug/L	1	1044282	10/25/2010 1:55:00PM
1,1-Dichloroethane	BDL	5.00		ug/L	1	1044282	10/25/2010 1:55:00PM
1,1-Dichloroethene	BDL	5.00		ug/L	1	1044282	10/25/2010 1:55:00PM
1,1-Dichloropropene	BDL	5.00		ug/L	1	1044282	10/25/2010 1:55:00PM
1,2-Dibromoethane	BDL	5.00		ug/L	1	1044282	10/25/2010 1:55:00PM
1,2-Dichloroethane	BDL	5.00		ug/L	1	1044282	10/25/2010 1:55:00PM
1,2-Dichloropropane	BDL	5.00		ug/L	1	1044282	10/25/2010 1:55:00PM
1,3-Dichloropropane	BDL	5.00		ug/L	1	1044282	10/25/2010 1:55:00PM
2,2-Dichloropropane	BDL	5.00		ug/L	1	1044282	10/25/2010 1:55:00PM
2-Butanone	BDL	20.0		ug/L	1	1044282	10/25/2010 1:55:00PM
2-Chlorotoluene	BDL	5.00		ug/L	1	1044282	10/25/2010 1:55:00PM
2-Hexanone	BDL	20.0		ug/L	1	1044282	10/25/2010 1:55:00PM
4-Chlorotoluene	BDL	5.00		ug/L	1	1044282	10/25/2010 1:55:00PM
4-Methyl-2-pentanone	BDL	20.0		ug/L	1	1044282	10/25/2010 1:55:00PM
Acetone	BDL	20.0		ug/L	1	1044282	10/25/2010 1:55:00PM
Acetonitrile	BDL	40.0		ug/L	1	1044282	10/25/2010 1:55:00PM
Acrolein	BDL	20.0		ug/L	1	1044282	10/25/2010 1:55:00PM
Acrylonitrile	BDL	20.0		ug/L	1	1044282	10/25/2010 1:55:00PM
Allyl chloride	BDL	5.00		ug/L	1	1044282	10/25/2010 1:55:00PM
Benzene	BDL	5.00		ug/L	1	1044282	10/25/2010 1:55:00PM
Bromobenzene	BDL	5.00		ug/L	1	1044282	10/25/2010 1:55:00PM
Bromochloromethane	BDL	5.00		ug/L	1	1044282	10/25/2010 1:55:00PM
Bromodichloromethane	BDL	5.00		ug/L	1	1044282	10/25/2010 1:55:00PM
Bromoform	BDL	5.00		ug/L	1	1044282	10/25/2010 1:55:00PM
Bromomethane	BDL	5.00		ug/L	1	1044282	10/25/2010 1:55:00PM
Carbon Disulfide	BDL	20.0		ug/L	1	1044282	10/25/2010 1:55:00PM
Carbon Tetrachloride	BDL	5.00		ug/L	1	1044282	10/25/2010 1:55:00PM
Chlorobenzene	BDL	5.00		ug/L	1	1044282	10/25/2010 1:55:00PM
Chloroethane	BDL	5.00		ug/L	1	1044282	10/25/2010 1:55:00PM
Chloroform	BDL	5.00		ug/L	1	1044282	10/25/2010 1:55:00PM
Chloromethane	BDL	5.00		ug/L	1	1044282	10/25/2010 1:55:00PM
cis-1,2-Dichloroethene	BDL	5.00		ug/L	1	1044282	10/25/2010 1:55:00PM
cis-1,3-Dichloropropene	BDL	5.00		ug/L	1	1044282	10/25/2010 1:55:00PM
Dibromochloromethane	BDL	5.00		ug/L	1	1044282	10/25/2010 1:55:00PM
Dibromomethane	BDL	5.00		ug/L	1	1044282	10/25/2010 1:55:00PM
Dichlorodifluoromethane	BDL	5.00		ug/L	1	1044282	10/25/2010 1:55:00PM
Ethylbenzene	BDL	5.00		ug/L	1	1044282	10/25/2010 1:55:00PM
Iodomethane	BDL	10.0		ug/L	1	1044282	10/25/2010 1:55:00PM
Methylene Chloride	BDL	5.00		ug/L	1	1044282	10/25/2010 1:55:00PM
Methyl tert-Butyl Ether	BDL	10.0		ug/L	1	1044282	10/25/2010 1:55:00PM
m,p-Xylene	BDL	10.0		ug/L	1	1044282	10/25/2010 1:55:00PM
n-Butylbenzene	BDL	5.00		ug/L	1	1044282	10/25/2010 1:55:00PM



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

**Lab Order:** 10J0915

**Lab ID:** 10J0915-05  
**Client Sample ID:** Trip Blank

**Collection Date:** 10/12/2010 2:00:00PM  
**Matrix:** Water

Analysis	Result	PQL	Qual	Units	Dilution	Batch	Date Analyzed
n-Hexane	BDL	5.00		ug/L	1	1044282	10/25/2010 1:55:00PM
o-Xylene	BDL	5.00		ug/L	1	1044282	10/25/2010 1:55:00PM
Styrene	BDL	5.00		ug/L	1	1044282	10/25/2010 1:55:00PM
Tetrachloroethene	BDL	5.00		ug/L	1	1044282	10/25/2010 1:55:00PM
Toluene	BDL	5.00		ug/L	1	1044282	10/25/2010 1:55:00PM
trans-1,2-Dichloroethene	BDL	5.00		ug/L	1	1044282	10/25/2010 1:55:00PM
trans-1,3-Dichloropropene	BDL	5.00		ug/L	1	1044282	10/25/2010 1:55:00PM
Trichloroethene	BDL	5.00		ug/L	1	1044282	10/25/2010 1:55:00PM
Trichlorofluoromethane	BDL	5.00		ug/L	1	1044282	10/25/2010 1:55:00PM
Vinyl Chloride	BDL	1.00		ug/L	1	1044282	10/25/2010 1:55:00PM
Vinyl acetate	BDL	10.0		ug/L	1	1044282	10/25/2010 1:55:00PM
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>92.6 %</i>		<i>41-140</i>		<i>1044282</i>	<i>10/25/2010 1:55:00PM</i>
<i>Surrogate: Dibromofluoromethane</i>		<i>106 %</i>		<i>34-158</i>		<i>1044282</i>	<i>10/25/2010 1:55:00PM</i>
<i>Surrogate: Toluene-d8</i>		<i>103 %</i>		<i>47-147</i>		<i>1044282</i>	<i>10/25/2010 1:55:00PM</i>
<i>Surrogate: 1,2-Dichloroethane-d4</i>		<i>103 %</i>		<i>29-163</i>		<i>1044282</i>	<i>10/25/2010 1:55:00PM</i>

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

**Lab Order:** 10J0915

**Lab ID:** 10J0915-06  
**Client Sample ID:** B-4 (0-2)

**Collection Date:** 10/12/2010 2:00:00PM  
**Matrix:** Soil

Analysis	Result	PQL	Qual	Units	Dilution	Batch	Date Analyzed
<b>TPH C10-34</b>		<b>SW 8015</b>		<b>Analyst: MBG</b>			
C10 to C20	BDL	11.0		mg/kg dry	1	1043253	11/2/2010 7:55:00PM
C20 to C34	BDL	552		mg/kg dry	1	1043253	11/2/2010 7:55:00PM
<i>Surrogate: o-Terphenyl</i>		49.8 %		48-115		1043253	11/2/2010 7:55:00PM
<b>TPH GRO C6-C12</b>		<b>SW 8015</b>		<b>Analyst: EH</b>			
Gasoline Range Organics, C6 - C12	BDL	5.49		mg/kg dry	0.9932	1043272	10/21/2010 7:42:00PM
<i>Surrogate: a,a,a-Trifluorotoluene</i>		108 %		60-155		1043272	10/21/2010 7:42:00PM
<b>VOC 8260</b>		<b>SW 8260A</b>		<b>Analyst: KDS</b>			
1,1,1,2-Tetrachloroethane	BDL	0.00525		mg/kg dry	0.95	1044148	10/25/2010 1:05:00PM
1,1,1-Trichloroethane	BDL	0.00525		mg/kg dry	0.95	1044148	10/25/2010 1:05:00PM
1,1,2,2-Tetrachloroethane	BDL	0.00525		mg/kg dry	0.95	1044148	10/25/2010 1:05:00PM
1,1,2-Trichloroethane	BDL	0.00525		mg/kg dry	0.95	1044148	10/25/2010 1:05:00PM
1,1-Dichloroethane	BDL	0.00525		mg/kg dry	0.95	1044148	10/25/2010 1:05:00PM
1,1-Dichloroethene	BDL	0.00525		mg/kg dry	0.95	1044148	10/25/2010 1:05:00PM
1,1-Dichloropropene	BDL	0.00525		mg/kg dry	0.95	1044148	10/25/2010 1:05:00PM
1,2-Dibromoethane	BDL	0.00525		mg/kg dry	0.95	1044148	10/25/2010 1:05:00PM
1,2-Dichloroethane	BDL	0.00525		mg/kg dry	0.95	1044148	10/25/2010 1:05:00PM
1,2-Dichloropropane	BDL	0.00525		mg/kg dry	0.95	1044148	10/25/2010 1:05:00PM
1,3-Dichloropropane	BDL	0.00525		mg/kg dry	0.95	1044148	10/25/2010 1:05:00PM
2,2-Dichloropropane	BDL	0.00525		mg/kg dry	0.95	1044148	10/25/2010 1:05:00PM
2-Butanone	BDL	0.0210		mg/kg dry	0.95	1044148	10/25/2010 1:05:00PM
2-Chlorotoluene	BDL	0.00525		mg/kg dry	0.95	1044148	10/25/2010 1:05:00PM
2-Hexanone	BDL	0.0210		mg/kg dry	0.95	1044148	10/25/2010 1:05:00PM
4-Chlorotoluene	BDL	0.00525		mg/kg dry	0.95	1044148	10/25/2010 1:05:00PM
4-Methyl-2-pentanone	BDL	0.0210		mg/kg dry	0.95	1044148	10/25/2010 1:05:00PM
Acetone	BDL	0.0525		mg/kg dry	0.95	1044148	10/25/2010 1:05:00PM
Acetonitrile	BDL	0.0420		mg/kg dry	0.95	1044148	10/25/2010 1:05:00PM
Acrolein	BDL	0.0210		mg/kg dry	0.95	1044148	10/25/2010 1:05:00PM
Acrylonitrile	BDL	0.0210		mg/kg dry	0.95	1044148	10/25/2010 1:05:00PM
Allyl chloride	BDL	0.0105		mg/kg dry	0.95	1044148	10/25/2010 1:05:00PM
Benzene	BDL	0.00525		mg/kg dry	0.95	1044148	10/25/2010 1:05:00PM
Bromobenzene	BDL	0.00525		mg/kg dry	0.95	1044148	10/25/2010 1:05:00PM
Bromochloromethane	BDL	0.00525		mg/kg dry	0.95	1044148	10/25/2010 1:05:00PM
Bromodichloromethane	BDL	0.00525		mg/kg dry	0.95	1044148	10/25/2010 1:05:00PM
Bromoform	BDL	0.00525		mg/kg dry	0.95	1044148	10/25/2010 1:05:00PM
Bromomethane	BDL	0.00525		mg/kg dry	0.95	1044148	10/25/2010 1:05:00PM
Carbon Disulfide	BDL	0.0210		mg/kg dry	0.95	1044148	10/25/2010 1:05:00PM
Carbon Tetrachloride	BDL	0.00525		mg/kg dry	0.95	1044148	10/25/2010 1:05:00PM
Chlorobenzene	BDL	0.00525		mg/kg dry	0.95	1044148	10/25/2010 1:05:00PM
Chloroethane	BDL	0.00525		mg/kg dry	0.95	1044148	10/25/2010 1:05:00PM
Chloroform	BDL	0.00525		mg/kg dry	0.95	1044148	10/25/2010 1:05:00PM
Chloromethane	BDL	0.00525		mg/kg dry	0.95	1044148	10/25/2010 1:05:00PM
cis-1,2-Dichloroethene	BDL	0.00525		mg/kg dry	0.95	1044148	10/25/2010 1:05:00PM

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

**Lab Order:** 10J0915

**Lab ID:** 10J0915-06  
**Client Sample ID:** B-4 (0-2)

**Collection Date:** 10/12/2010 2:00:00PM  
**Matrix:** Soil

Analysis	Result	PQL	Qual	Units	Dilution	Batch	Date Analyzed
cis-1,3-Dichloropropene	BDL	0.00525		mg/kg dry	0.95	1044148	10/25/2010 1:05:00PM
Dibromochloromethane	BDL	0.00525		mg/kg dry	0.95	1044148	10/25/2010 1:05:00PM
Dibromomethane	BDL	0.00525		mg/kg dry	0.95	1044148	10/25/2010 1:05:00PM
Dichlorodifluoromethane	BDL	0.00525		mg/kg dry	0.95	1044148	10/25/2010 1:05:00PM
Ethylbenzene	BDL	0.00525		mg/kg dry	0.95	1044148	10/25/2010 1:05:00PM
Iodomethane	BDL	0.0105		mg/kg dry	0.95	1044148	10/25/2010 1:05:00PM
<b>Methylene Chloride</b>	<b>0.0366</b>	0.00525	O-01, B	mg/kg dry	0.95	1044148	10/25/2010 1:05:00PM
Methyl tert-Butyl Ether	BDL	0.0105		mg/kg dry	0.95	1044148	10/25/2010 1:05:00PM
m,p-Xylene	BDL	0.0105		mg/kg dry	0.95	1044148	10/25/2010 1:05:00PM
n-Hexane	BDL	0.00525		mg/kg dry	0.95	1044148	10/25/2010 1:05:00PM
o-Xylene	BDL	0.00525		mg/kg dry	0.95	1044148	10/25/2010 1:05:00PM
Styrene	BDL	0.00525		mg/kg dry	0.95	1044148	10/25/2010 1:05:00PM
Tetrachloroethene	BDL	0.00525		mg/kg dry	0.95	1044148	10/25/2010 1:05:00PM
Toluene	BDL	0.00525		mg/kg dry	0.95	1044148	10/25/2010 1:05:00PM
trans-1,2-Dichloroethene	BDL	0.00525		mg/kg dry	0.95	1044148	10/25/2010 1:05:00PM
trans-1,3-Dichloropropene	BDL	0.00525		mg/kg dry	0.95	1044148	10/25/2010 1:05:00PM
Trichloroethene	BDL	0.00525		mg/kg dry	0.95	1044148	10/25/2010 1:05:00PM
Trichlorofluoromethane	BDL	0.00525		mg/kg dry	0.95	1044148	10/25/2010 1:05:00PM
Vinyl Chloride	BDL	0.00525		mg/kg dry	0.95	1044148	10/25/2010 1:05:00PM
Vinyl acetate	BDL	0.0105		mg/kg dry	0.95	1044148	10/25/2010 1:05:00PM
<i>Surrogate: 4-Bromofluorobenzene</i>		82.9 %		41-140		1044148	10/25/2010 1:05:00PM
<i>Surrogate: Dibromofluoromethane</i>		104 %		33-129		1044148	10/25/2010 1:05:00PM
<i>Surrogate: Toluene-d8</i>		96.7 %		44-130		1044148	10/25/2010 1:05:00PM
<i>Surrogate: 1,2-Dichloroethane-d4</i>		110 %		31-123		1044148	10/25/2010 1:05:00PM

**PMOIST** **D 2216** **Analyst: AD**  
**Percent Moisture** **9.50** % by Weight 1 1045103 11/1/2010 12:00:00PM

**PAH\_FULL\_8270** **SW 8270C** **Analyst: mbg**

2-Methylnaphthalene	BDL	0.110		mg/kg dry	1	1044006	10/25/2010 11:16:00PM
Acenaphthene	BDL	0.110		mg/kg dry	1	1044006	10/25/2010 11:16:00PM
Acenaphthylene	BDL	0.110		mg/kg dry	1	1044006	10/25/2010 11:16:00PM
Anthracene	BDL	0.110		mg/kg dry	1	1044006	10/25/2010 11:16:00PM
Benz(a)anthracene	BDL	0.110		mg/kg dry	1	1044006	10/25/2010 11:16:00PM
Benzo(a)pyrene	BDL	0.110		mg/kg dry	1	1044006	10/25/2010 11:16:00PM
Benzo(b)fluoranthene	BDL	0.110		mg/kg dry	1	1044006	10/25/2010 11:16:00PM
Benzo(g,h,i)perylene	BDL	0.110		mg/kg dry	1	1044006	10/25/2010 11:16:00PM
Benzo(k)fluoranthene	BDL	0.110		mg/kg dry	1	1044006	10/25/2010 11:16:00PM
Chrysene	BDL	0.110		mg/kg dry	1	1044006	10/25/2010 11:16:00PM
Dibenz(a,h)anthracene	BDL	0.110		mg/kg dry	1	1044006	10/25/2010 11:16:00PM
Fluoranthene	BDL	0.110		mg/kg dry	1	1044006	10/25/2010 11:16:00PM
Fluorene	BDL	0.110		mg/kg dry	1	1044006	10/25/2010 11:16:00PM
Indeno(1,2,3-cd)pyrene	BDL	0.110		mg/kg dry	1	1044006	10/25/2010 11:16:00PM
Naphthalene	BDL	0.110		mg/kg dry	1	1044006	10/25/2010 11:16:00PM

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

Lab Order: 10J0915

Lab ID: 10J0915-06  
Client Sample ID: B-4 (0-2)

Collection Date: 10/12/2010 2:00:00PM  
Matrix: Soil

Analysis	Result	PQL	Qual	Units	Dilution	Batch	Date Analyzed
Phenanthrene	BDL	0.110		mg/kg dry	1	1044006	10/25/2010 11:16:00PM
Pyrene	BDL	0.110		mg/kg dry	1	1044006	10/25/2010 11:16:00PM
Surrogate: Nitrobenzene-d5		74.2 %		51-126		1044006	10/25/2010 11:16:00PM
Surrogate: 2-Fluorobiphenyl		79.5 %		56-121		1044006	10/25/2010 11:16:00PM
Surrogate: Terphenyl-d14		114 %		40-140		1044006	10/25/2010 11:16:00PM

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

**Lab Order:** 10J0915

**Lab ID:** 10J0915-07  
**Client Sample ID:** B-4 (6.5)

**Collection Date:** 10/12/2010 3:10:00PM  
**Matrix:** Soil

Analysis	Result	PQL	Qual	Units	Dilution	Batch	Date Analyzed
<b>TPH C10-34</b>		<b>SW 8015</b>		<b>Analyst: MBG</b>			
C10 to C20	164	10.1		mg/kg dry	1	1043253	11/2/2010 11:36:00PM
C20 to C34	BDL	506		mg/kg dry	1	1043253	11/2/2010 11:36:00PM
<i>Surrogate: o-Terphenyl</i>		53.5 %		48-115		1043253	11/2/2010 11:36:00PM
<b>TPH GRO C6-C12</b>		<b>SW 8015</b>		<b>Analyst: EH</b>			
Gasoline Range Organics, C6 - C12	BDL	5.03		mg/kg dry	0.994	1043272	10/21/2010 8:13:00PM
<i>Surrogate: a,a,a-Trifluorotoluene</i>		105 %		60-155		1043272	10/21/2010 8:13:00PM
<b>VOC 8260</b>		<b>SW 8260A</b>		<b>Analyst: KDS</b>			
1,1,1,2-Tetrachloroethane	BDL	0.00506		mg/kg dry	1	1044148	10/25/2010 1:39:00PM
1,1,1-Trichloroethane	BDL	0.00506		mg/kg dry	1	1044148	10/25/2010 1:39:00PM
1,1,2,2-Tetrachloroethane	BDL	0.00506		mg/kg dry	1	1044148	10/25/2010 1:39:00PM
1,1,2-Trichloroethane	BDL	0.00506		mg/kg dry	1	1044148	10/25/2010 1:39:00PM
1,1-Dichloroethane	BDL	0.00506		mg/kg dry	1	1044148	10/25/2010 1:39:00PM
1,1-Dichloroethene	BDL	0.00506		mg/kg dry	1	1044148	10/25/2010 1:39:00PM
1,1-Dichloropropene	BDL	0.00506		mg/kg dry	1	1044148	10/25/2010 1:39:00PM
1,2-Dibromoethane	BDL	0.00506		mg/kg dry	1	1044148	10/25/2010 1:39:00PM
1,2-Dichloroethane	BDL	0.00506		mg/kg dry	1	1044148	10/25/2010 1:39:00PM
1,2-Dichloropropane	BDL	0.00506		mg/kg dry	1	1044148	10/25/2010 1:39:00PM
1,3-Dichloropropane	BDL	0.00506		mg/kg dry	1	1044148	10/25/2010 1:39:00PM
2,2-Dichloropropane	BDL	0.00506		mg/kg dry	1	1044148	10/25/2010 1:39:00PM
2-Butanone	BDL	0.0203		mg/kg dry	1	1044148	10/25/2010 1:39:00PM
2-Chlorotoluene	BDL	0.00506		mg/kg dry	1	1044148	10/25/2010 1:39:00PM
2-Hexanone	BDL	0.0203		mg/kg dry	1	1044148	10/25/2010 1:39:00PM
4-Chlorotoluene	BDL	0.00506		mg/kg dry	1	1044148	10/25/2010 1:39:00PM
4-Methyl-2-pentanone	BDL	0.0203		mg/kg dry	1	1044148	10/25/2010 1:39:00PM
Acetone	BDL	0.0506		mg/kg dry	1	1044148	10/25/2010 1:39:00PM
Acetonitrile	BDL	0.0405		mg/kg dry	1	1044148	10/25/2010 1:39:00PM
Acrolein	BDL	0.0203		mg/kg dry	1	1044148	10/25/2010 1:39:00PM
Acrylonitrile	BDL	0.0203		mg/kg dry	1	1044148	10/25/2010 1:39:00PM
Allyl chloride	BDL	0.0101		mg/kg dry	1	1044148	10/25/2010 1:39:00PM
Benzene	BDL	0.00506		mg/kg dry	1	1044148	10/25/2010 1:39:00PM
Bromobenzene	BDL	0.00506		mg/kg dry	1	1044148	10/25/2010 1:39:00PM
Bromochloromethane	BDL	0.00506		mg/kg dry	1	1044148	10/25/2010 1:39:00PM
Bromodichloromethane	BDL	0.00506		mg/kg dry	1	1044148	10/25/2010 1:39:00PM
Bromoform	BDL	0.00506		mg/kg dry	1	1044148	10/25/2010 1:39:00PM
Bromomethane	BDL	0.00506		mg/kg dry	1	1044148	10/25/2010 1:39:00PM
Carbon Disulfide	BDL	0.0203		mg/kg dry	1	1044148	10/25/2010 1:39:00PM
Carbon Tetrachloride	BDL	0.00506		mg/kg dry	1	1044148	10/25/2010 1:39:00PM
Chlorobenzene	BDL	0.00506		mg/kg dry	1	1044148	10/25/2010 1:39:00PM
Chloroethane	BDL	0.00506		mg/kg dry	1	1044148	10/25/2010 1:39:00PM
Chloroform	BDL	0.00506		mg/kg dry	1	1044148	10/25/2010 1:39:00PM
Chloromethane	BDL	0.00506		mg/kg dry	1	1044148	10/25/2010 1:39:00PM
cis-1,2-Dichloroethene	BDL	0.00506		mg/kg dry	1	1044148	10/25/2010 1:39:00PM

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

**Lab Order:** 10J0915

**Lab ID:** 10J0915-07  
**Client Sample ID:** B-4 (6.5)

**Collection Date:** 10/12/2010 3:10:00PM  
**Matrix:** Soil

Analysis	Result	PQL	Qual	Units	Dilution	Batch	Date Analyzed
cis-1,3-Dichloropropene	BDL	0.00506		mg/kg dry	1	1044148	10/25/2010 1:39:00PM
Dibromochloromethane	BDL	0.00506		mg/kg dry	1	1044148	10/25/2010 1:39:00PM
Dibromomethane	BDL	0.00506		mg/kg dry	1	1044148	10/25/2010 1:39:00PM
Dichlorodifluoromethane	BDL	0.00506		mg/kg dry	1	1044148	10/25/2010 1:39:00PM
Ethylbenzene	BDL	0.00506		mg/kg dry	1	1044148	10/25/2010 1:39:00PM
Iodomethane	BDL	0.0101		mg/kg dry	1	1044148	10/25/2010 1:39:00PM
<b>Methylene Chloride</b>	<b>0.0719</b>	0.00506	O-01, B	mg/kg dry	1	1044148	10/25/2010 1:39:00PM
Methyl tert-Butyl Ether	BDL	0.0101		mg/kg dry	1	1044148	10/25/2010 1:39:00PM
m,p-Xylene	BDL	0.0101		mg/kg dry	1	1044148	10/25/2010 1:39:00PM
n-Hexane	BDL	0.00506		mg/kg dry	1	1044148	10/25/2010 1:39:00PM
o-Xylene	BDL	0.00506		mg/kg dry	1	1044148	10/25/2010 1:39:00PM
Styrene	BDL	0.00506		mg/kg dry	1	1044148	10/25/2010 1:39:00PM
Tetrachloroethene	BDL	0.00506		mg/kg dry	1	1044148	10/25/2010 1:39:00PM
Toluene	BDL	0.00506		mg/kg dry	1	1044148	10/25/2010 1:39:00PM
trans-1,2-Dichloroethene	BDL	0.00506		mg/kg dry	1	1044148	10/25/2010 1:39:00PM
trans-1,3-Dichloropropene	BDL	0.00506		mg/kg dry	1	1044148	10/25/2010 1:39:00PM
Trichloroethene	BDL	0.00506		mg/kg dry	1	1044148	10/25/2010 1:39:00PM
Trichlorofluoromethane	BDL	0.00506		mg/kg dry	1	1044148	10/25/2010 1:39:00PM
Vinyl Chloride	BDL	0.00506		mg/kg dry	1	1044148	10/25/2010 1:39:00PM
Vinyl acetate	BDL	0.0101		mg/kg dry	1	1044148	10/25/2010 1:39:00PM

<i>Surrogate: 4-Bromofluorobenzene</i>	46.2 %	41-140	1044148	10/25/2010 1:39:00PM
<i>Surrogate: Dibromofluoromethane</i>	105 %	33-129	1044148	10/25/2010 1:39:00PM
<i>Surrogate: Toluene-d8</i>	85.0 %	44-130	1044148	10/25/2010 1:39:00PM
<i>Surrogate: 1,2-Dichloroethane-d4</i>	99.6 %	31-123	1044148	10/25/2010 1:39:00PM

**PMOIST** **D 2216** **Analyst: AD**  
**Percent Moisture** **1.25** % by Weight 1 1045103 11/1/2010 12:00:00PM

**PAH\_FULL\_8270** **SW 8270C** **Analyst: mbg**

<b>2-Methylnaphthalene</b>	<b>0.975</b>	0.101		mg/kg dry	1	1044006	10/26/2010 4:02:00AM
Acenaphthene	BDL	0.101		mg/kg dry	1	1044006	10/26/2010 4:02:00AM
Acenaphthylene	BDL	0.101		mg/kg dry	1	1044006	10/26/2010 4:02:00AM
<b>Anthracene</b>	<b>0.544</b>	0.101		mg/kg dry	1	1044006	10/26/2010 4:02:00AM
Benz(a)anthracene	BDL	0.101		mg/kg dry	1	1044006	10/26/2010 4:02:00AM
Benzo(a)pyrene	BDL	0.101		mg/kg dry	1	1044006	10/26/2010 4:02:00AM
Benzo(b)fluoranthene	BDL	0.101		mg/kg dry	1	1044006	10/26/2010 4:02:00AM
Benzo(g,h,i)perylene	BDL	0.101		mg/kg dry	1	1044006	10/26/2010 4:02:00AM
Benzo(k)fluoranthene	BDL	0.101		mg/kg dry	1	1044006	10/26/2010 4:02:00AM
Chrysene	BDL	0.101		mg/kg dry	1	1044006	10/26/2010 4:02:00AM
Dibenz(a,h)anthracene	BDL	0.101		mg/kg dry	1	1044006	10/26/2010 4:02:00AM
Fluoranthene	BDL	0.101		mg/kg dry	1	1044006	10/26/2010 4:02:00AM
Fluorene	BDL	0.101		mg/kg dry	1	1044006	10/26/2010 4:02:00AM
Indeno(1,2,3-cd)pyrene	BDL	0.101		mg/kg dry	1	1044006	10/26/2010 4:02:00AM
<b>Naphthalene</b>	<b>0.742</b>	0.101		mg/kg dry	1	1044006	10/26/2010 4:02:00AM

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

Lab Order: 10J0915

Lab ID: 10J0915-07  
Client Sample ID: B-4 (6.5)

Collection Date: 10/12/2010 3:10:00PM  
Matrix: Soil

Analysis	Result	PQL	Qual	Units	Dilution	Batch	Date Analyzed
Phenanthrene	BDL	0.101		mg/kg dry	1	1044006	10/26/2010 4:02:00AM
Pyrene	BDL	0.101		mg/kg dry	1	1044006	10/26/2010 4:02:00AM
Surrogate: Nitrobenzene-d5		97.7 %		51-126		1044006	10/26/2010 4:02:00AM
Surrogate: 2-Fluorobiphenyl		103 %		56-121		1044006	10/26/2010 4:02:00AM
Surrogate: Terphenyl-d14		121 %		40-140		1044006	10/26/2010 4:02:00AM

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

**Lab Order:** 10J0915

**Lab ID:** 10J0915-08  
**Client Sample ID:** B-6 (0-2)

**Collection Date:** 10/13/2010 9:30:00AM  
**Matrix:** Soil

Analysis	Result	PQL	Qual	Units	Dilution	Batch	Date Analyzed
<b>TPH C10-34</b>		<b>SW 8015</b>		<b>Analyst: MBG</b>			
C10 to C20	BDL	10.7		mg/kg dry	1	1043253	11/3/2010 12:03:00AM
C20 to C34	BDL	535		mg/kg dry	1	1043253	11/3/2010 12:03:00AM
<i>Surrogate: o-Terphenyl</i>		107 %		48-115		1043253	11/3/2010 12:03:00AM
<b>TPH GRO C6-C12</b>		<b>SW 8015</b>		<b>Analyst: EH</b>			
Gasoline Range Organics, C6 - C12	BDL	5.20		mg/kg dry	0.9716	1043272	10/21/2010 8:43:00PM
<i>Surrogate: a,a,a-Trifluorotoluene</i>		107 %		60-155		1043272	10/21/2010 8:43:00PM
<b>PCB_8082</b>		<b>SW 8082</b>		<b>Analyst: MBG</b>			
Aroclor 1016	BDL	0.0214		mg/kg dry	1	1043243	10/25/2010 1:21:00AM
Aroclor 1221	BDL	0.0214		mg/kg dry	1	1043243	10/25/2010 1:21:00AM
Aroclor 1232	BDL	0.0214		mg/kg dry	1	1043243	10/25/2010 1:21:00AM
Aroclor 1242	BDL	0.0214		mg/kg dry	1	1043243	10/25/2010 1:21:00AM
Aroclor 1248	BDL	0.0214		mg/kg dry	1	1043243	10/25/2010 1:21:00AM
Aroclor 1254	BDL	0.0214		mg/kg dry	1	1043243	10/25/2010 1:21:00AM
Aroclor 1260	BDL	0.0214		mg/kg dry	1	1043243	10/25/2010 1:21:00AM
<i>Surrogate: Decachlorobiphenyl</i>		70.0 %		40-159		1043243	10/25/2010 1:21:00AM
<i>Surrogate: Tetrachloro-m-xylene</i>		78.0 %		47-125		1043243	10/25/2010 1:21:00AM
<b>VOC 8260</b>		<b>SW 8260A</b>		<b>Analyst: KDS</b>			
1,1,1,2-Tetrachloroethane	BDL	0.00481		mg/kg dry	0.9	1044148	10/25/2010 6:16:00PM
1,1,1-Trichloroethane	BDL	0.00481		mg/kg dry	0.9	1044148	10/25/2010 6:16:00PM
1,1,2,2-Tetrachloroethane	BDL	0.00481		mg/kg dry	0.9	1044148	10/25/2010 6:16:00PM
1,1,2-Trichloroethane	BDL	0.00481		mg/kg dry	0.9	1044148	10/25/2010 6:16:00PM
1,1-Dichloroethane	BDL	0.00481		mg/kg dry	0.9	1044148	10/25/2010 6:16:00PM
1,1-Dichloroethene	BDL	0.00481		mg/kg dry	0.9	1044148	10/25/2010 6:16:00PM
1,1-Dichloropropene	BDL	0.00481		mg/kg dry	0.9	1044148	10/25/2010 6:16:00PM
1,2-Dibromoethane	BDL	0.00481		mg/kg dry	0.9	1044148	10/25/2010 6:16:00PM
1,2-Dichloroethane	BDL	0.00481		mg/kg dry	0.9	1044148	10/25/2010 6:16:00PM
1,2-Dichloropropane	BDL	0.00481		mg/kg dry	0.9	1044148	10/25/2010 6:16:00PM
1,3-Dichloropropane	BDL	0.00481		mg/kg dry	0.9	1044148	10/25/2010 6:16:00PM
2,2-Dichloropropane	BDL	0.00481		mg/kg dry	0.9	1044148	10/25/2010 6:16:00PM
2-Butanone	BDL	0.0193		mg/kg dry	0.9	1044148	10/25/2010 6:16:00PM
2-Chlorotoluene	BDL	0.00481		mg/kg dry	0.9	1044148	10/25/2010 6:16:00PM
2-Hexanone	BDL	0.0193		mg/kg dry	0.9	1044148	10/25/2010 6:16:00PM
4-Chlorotoluene	BDL	0.00481		mg/kg dry	0.9	1044148	10/25/2010 6:16:00PM
4-Methyl-2-pentanone	BDL	0.0193		mg/kg dry	0.9	1044148	10/25/2010 6:16:00PM
Acetone	BDL	0.0481		mg/kg dry	0.9	1044148	10/25/2010 6:16:00PM
Acetonitrile	BDL	0.0385		mg/kg dry	0.9	1044148	10/25/2010 6:16:00PM
Acrolein	BDL	0.0193		mg/kg dry	0.9	1044148	10/25/2010 6:16:00PM
Acrylonitrile	BDL	0.0193		mg/kg dry	0.9	1044148	10/25/2010 6:16:00PM
Allyl chloride	BDL	0.00963		mg/kg dry	0.9	1044148	10/25/2010 6:16:00PM
Benzene	BDL	0.00481		mg/kg dry	0.9	1044148	10/25/2010 6:16:00PM



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

**Lab Order:** 10J0915

**Lab ID:** 10J0915-08  
**Client Sample ID:** B-6 (0-2)

**Collection Date:** 10/13/2010 9:30:00AM  
**Matrix:** Soil

Analysis	Result	PQL	Qual	Units	Dilution	Batch	Date Analyzed
Bromobenzene	BDL	0.00481		mg/kg dry	0.9	1044148	10/25/2010 6:16:00PM
Bromochloromethane	BDL	0.00481		mg/kg dry	0.9	1044148	10/25/2010 6:16:00PM
Bromodichloromethane	BDL	0.00481		mg/kg dry	0.9	1044148	10/25/2010 6:16:00PM
Bromoform	BDL	0.00481		mg/kg dry	0.9	1044148	10/25/2010 6:16:00PM
Bromomethane	BDL	0.00481		mg/kg dry	0.9	1044148	10/25/2010 6:16:00PM
Carbon Disulfide	BDL	0.0193		mg/kg dry	0.9	1044148	10/25/2010 6:16:00PM
Carbon Tetrachloride	BDL	0.00481		mg/kg dry	0.9	1044148	10/25/2010 6:16:00PM
Chlorobenzene	BDL	0.00481		mg/kg dry	0.9	1044148	10/25/2010 6:16:00PM
Chloroethane	BDL	0.00481		mg/kg dry	0.9	1044148	10/25/2010 6:16:00PM
Chloroform	BDL	0.00481		mg/kg dry	0.9	1044148	10/25/2010 6:16:00PM
Chloromethane	BDL	0.00481		mg/kg dry	0.9	1044148	10/25/2010 6:16:00PM
cis-1,2-Dichloroethene	BDL	0.00481		mg/kg dry	0.9	1044148	10/25/2010 6:16:00PM
cis-1,3-Dichloropropene	BDL	0.00481		mg/kg dry	0.9	1044148	10/25/2010 6:16:00PM
Dibromochloromethane	BDL	0.00481		mg/kg dry	0.9	1044148	10/25/2010 6:16:00PM
Dibromomethane	BDL	0.00481		mg/kg dry	0.9	1044148	10/25/2010 6:16:00PM
Dichlorodifluoromethane	BDL	0.00481		mg/kg dry	0.9	1044148	10/25/2010 6:16:00PM
Ethylbenzene	BDL	0.00481		mg/kg dry	0.9	1044148	10/25/2010 6:16:00PM
Iodomethane	BDL	0.00963		mg/kg dry	0.9	1044148	10/25/2010 6:16:00PM
<b>Methylene Chloride</b>	<b>0.0169</b>	0.00481	O-01, B	mg/kg dry	0.9	1044148	10/25/2010 6:16:00PM
Methyl tert-Butyl Ether	BDL	0.00963		mg/kg dry	0.9	1044148	10/25/2010 6:16:00PM
m,p-Xylene	BDL	0.00963		mg/kg dry	0.9	1044148	10/25/2010 6:16:00PM
n-Hexane	BDL	0.00481		mg/kg dry	0.9	1044148	10/25/2010 6:16:00PM
o-Xylene	BDL	0.00481		mg/kg dry	0.9	1044148	10/25/2010 6:16:00PM
Styrene	BDL	0.00481		mg/kg dry	0.9	1044148	10/25/2010 6:16:00PM
Tetrachloroethene	BDL	0.00481		mg/kg dry	0.9	1044148	10/25/2010 6:16:00PM
Toluene	BDL	0.00481		mg/kg dry	0.9	1044148	10/25/2010 6:16:00PM
trans-1,2-Dichloroethene	BDL	0.00481		mg/kg dry	0.9	1044148	10/25/2010 6:16:00PM
trans-1,3-Dichloropropene	BDL	0.00481		mg/kg dry	0.9	1044148	10/25/2010 6:16:00PM
Trichloroethene	BDL	0.00481		mg/kg dry	0.9	1044148	10/25/2010 6:16:00PM
Trichlorofluoromethane	BDL	0.00481		mg/kg dry	0.9	1044148	10/25/2010 6:16:00PM
Vinyl Chloride	BDL	0.00481		mg/kg dry	0.9	1044148	10/25/2010 6:16:00PM
Vinyl acetate	BDL	0.00963		mg/kg dry	0.9	1044148	10/25/2010 6:16:00PM

<i>Surrogate: 4-Bromofluorobenzene</i>		98.6 %		41-140	1044148	10/25/2010 6:16:00PM
<i>Surrogate: Dibromofluoromethane</i>		122 %		33-129	1044148	10/25/2010 6:16:00PM
<i>Surrogate: Toluene-d8</i>		119 %		44-130	1044148	10/25/2010 6:16:00PM
<i>Surrogate: 1,2-Dichloroethane-d4</i>		126 %	S	31-123	1044148	10/25/2010 6:16:00PM

**PMOIST** **D 2216** **Analyst: AD**  
**Percent Moisture** **6.51** % by Weight 1 1045103 11/1/2010 12:00:00PM

**PAH\_FULL\_8270** **SW 8270C** **Analyst: mbg**  
2-Methylnaphthalene BDL 0.107 mg/kg dry 1 1044006 10/26/2010 4:21:00AM  
Acenaphthene BDL 0.107 mg/kg dry 1 1044006 10/26/2010 4:21:00AM  
Acenaphthylene BDL 0.107 mg/kg dry 1 1044006 10/26/2010 4:21:00AM

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

**Lab Order:** 10J0915

**Lab ID:** 10J0915-08  
**Client Sample ID:** B-6 (0-2)

**Collection Date:** 10/13/2010 9:30:00AM  
**Matrix:** Soil

Analysis	Result	PQL	Qual	Units	Dilution	Batch	Date Analyzed
Anthracene	BDL	0.107		mg/kg dry	1	1044006	10/26/2010 4:21:00AM
Benz(a)anthracene	BDL	0.107		mg/kg dry	1	1044006	10/26/2010 4:21:00AM
Benzo(a)pyrene	BDL	0.107		mg/kg dry	1	1044006	10/26/2010 4:21:00AM
Benzo(b)fluoranthene	BDL	0.107		mg/kg dry	1	1044006	10/26/2010 4:21:00AM
Benzo(g,h,i)perylene	BDL	0.107		mg/kg dry	1	1044006	10/26/2010 4:21:00AM
Benzo(k)fluoranthene	BDL	0.107		mg/kg dry	1	1044006	10/26/2010 4:21:00AM
Chrysene	BDL	0.107		mg/kg dry	1	1044006	10/26/2010 4:21:00AM
Dibenz(a,h)anthracene	BDL	0.107		mg/kg dry	1	1044006	10/26/2010 4:21:00AM
Fluoranthene	BDL	0.107		mg/kg dry	1	1044006	10/26/2010 4:21:00AM
Fluorene	BDL	0.107		mg/kg dry	1	1044006	10/26/2010 4:21:00AM
Indeno(1,2,3-cd)pyrene	BDL	0.107		mg/kg dry	1	1044006	10/26/2010 4:21:00AM
Naphthalene	BDL	0.107		mg/kg dry	1	1044006	10/26/2010 4:21:00AM
Phenanthrene	BDL	0.107		mg/kg dry	1	1044006	10/26/2010 4:21:00AM
Pyrene	BDL	0.107		mg/kg dry	1	1044006	10/26/2010 4:21:00AM
<i>Surrogate: Nitrobenzene-d5</i>		81.2 %		51-126		1044006	10/26/2010 4:21:00AM
<i>Surrogate: 2-Fluorobiphenyl</i>		90.4 %		56-121		1044006	10/26/2010 4:21:00AM
<i>Surrogate: Terphenyl-d14</i>		140 %		40-140		1044006	10/26/2010 4:21:00AM

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

**Lab Order:** 10J0915

**Lab ID:** 10J0915-09  
**Client Sample ID:** B-6 (70-72)

**Collection Date:** 10/13/2010 10:00:00AM  
**Matrix:** Soil

Analysis	Result	PQL	Qual	Units	Dilution	Batch	Date Analyzed
<b>TPH C10-34</b>		<b>SW 8015</b>		<b>Analyst: MBG</b>			
C10 to C20	BDL	10.6		mg/kg dry	1	1043253	11/2/2010 6:33:00PM
C20 to C34	BDL	532		mg/kg dry	1	1043253	11/2/2010 6:33:00PM
<i>Surrogate: o-Terphenyl</i>		57.7 %		48-115		1043253	11/2/2010 6:33:00PM
<b>TPH GRO C6-C12</b>		<b>SW 8015</b>		<b>Analyst: EH</b>			
Gasoline Range Organics, C6 - C12	BDL	8.79		mg/kg dry	1.6534	1043273	10/22/2010 1:19:00AM
<i>Surrogate: a,a,a-Trifluorotoluene</i>		107 %		60-155		1043273	10/22/2010 1:19:00AM
<b>PCB_8082</b>		<b>SW 8082</b>		<b>Analyst: MBG</b>			
Aroclor 1016	BDL	0.0213		mg/kg dry	1	1043243	10/25/2010 1:45:00AM
Aroclor 1221	BDL	0.0213		mg/kg dry	1	1043243	10/25/2010 1:45:00AM
Aroclor 1232	BDL	0.0213		mg/kg dry	1	1043243	10/25/2010 1:45:00AM
Aroclor 1242	BDL	0.0213		mg/kg dry	1	1043243	10/25/2010 1:45:00AM
Aroclor 1248	BDL	0.0213		mg/kg dry	1	1043243	10/25/2010 1:45:00AM
Aroclor 1254	BDL	0.0213		mg/kg dry	1	1043243	10/25/2010 1:45:00AM
Aroclor 1260	BDL	0.0213		mg/kg dry	1	1043243	10/25/2010 1:45:00AM
<i>Surrogate: Decachlorobiphenyl</i>		109 %		40-159		1043243	10/25/2010 1:45:00AM
<i>Surrogate: Tetrachloro-m-xylene</i>		73.0 %		47-125		1043243	10/25/2010 1:45:00AM
<b>VOC 8260</b>		<b>SW 8260A</b>		<b>Analyst: KDS</b>			
1,1,1,2-Tetrachloroethane	BDL	0.00665		mg/kg dry	1.25	1045162	10/27/2010 7:29:00AM
1,1,1-Trichloroethane	BDL	0.00665		mg/kg dry	1.25	1045162	10/27/2010 7:29:00AM
1,1,2,2-Tetrachloroethane	BDL	0.00665		mg/kg dry	1.25	1045162	10/27/2010 7:29:00AM
1,1,2-Trichloroethane	BDL	0.00665		mg/kg dry	1.25	1045162	10/27/2010 7:29:00AM
1,1-Dichloroethane	BDL	0.00665		mg/kg dry	1.25	1045162	10/27/2010 7:29:00AM
1,1-Dichloroethene	BDL	0.00665		mg/kg dry	1.25	1045162	10/27/2010 7:29:00AM
1,1-Dichloropropene	BDL	0.00665		mg/kg dry	1.25	1045162	10/27/2010 7:29:00AM
1,2-Dibromoethane	BDL	0.00665		mg/kg dry	1.25	1045162	10/27/2010 7:29:00AM
1,2-Dichloroethane	BDL	0.00665		mg/kg dry	1.25	1045162	10/27/2010 7:29:00AM
1,2-Dichloropropane	BDL	0.00665		mg/kg dry	1.25	1045162	10/27/2010 7:29:00AM
1,3-Dichloropropane	BDL	0.00665		mg/kg dry	1.25	1045162	10/27/2010 7:29:00AM
2,2-Dichloropropane	BDL	0.00665		mg/kg dry	1.25	1045162	10/27/2010 7:29:00AM
2-Butanone	BDL	0.0266		mg/kg dry	1.25	1045162	10/27/2010 7:29:00AM
2-Chlorotoluene	BDL	0.00665		mg/kg dry	1.25	1045162	10/27/2010 7:29:00AM
2-Hexanone	BDL	0.0266		mg/kg dry	1.25	1045162	10/27/2010 7:29:00AM
4-Chlorotoluene	BDL	0.00665		mg/kg dry	1.25	1045162	10/27/2010 7:29:00AM
4-Methyl-2-pentanone	BDL	0.0266		mg/kg dry	1.25	1045162	10/27/2010 7:29:00AM
Acetone	BDL	0.0665		mg/kg dry	1.25	1045162	10/27/2010 7:29:00AM
Acetonitrile	BDL	0.0532		mg/kg dry	1.25	1045162	10/27/2010 7:29:00AM
Acrolein	BDL	0.0266		mg/kg dry	1.25	1045162	10/27/2010 7:29:00AM
Acrylonitrile	BDL	0.0266		mg/kg dry	1.25	1045162	10/27/2010 7:29:00AM
Allyl chloride	BDL	0.0133		mg/kg dry	1.25	1045162	10/27/2010 7:29:00AM
Benzene	BDL	0.00665		mg/kg dry	1.25	1045162	10/27/2010 7:29:00AM

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

**Lab Order:** 10J0915

**Lab ID:** 10J0915-09  
**Client Sample ID:** B-6 (70-72)

**Collection Date:** 10/13/2010 10:00:00AM  
**Matrix:** Soil

Analysis	Result	PQL	Qual	Units	Dilution	Batch	Date Analyzed
Bromobenzene	BDL	0.00665		mg/kg dry	1.25	1045162	10/27/2010 7:29:00AM
Bromochloromethane	BDL	0.00665		mg/kg dry	1.25	1045162	10/27/2010 7:29:00AM
Bromodichloromethane	BDL	0.00665		mg/kg dry	1.25	1045162	10/27/2010 7:29:00AM
Bromoform	BDL	0.00665		mg/kg dry	1.25	1045162	10/27/2010 7:29:00AM
Bromomethane	BDL	0.00665		mg/kg dry	1.25	1045162	10/27/2010 7:29:00AM
Carbon Disulfide	BDL	0.0266		mg/kg dry	1.25	1045162	10/27/2010 7:29:00AM
Carbon Tetrachloride	BDL	0.00665		mg/kg dry	1.25	1045162	10/27/2010 7:29:00AM
Chlorobenzene	BDL	0.00665		mg/kg dry	1.25	1045162	10/27/2010 7:29:00AM
Chloroethane	BDL	0.00665		mg/kg dry	1.25	1045162	10/27/2010 7:29:00AM
Chloroform	BDL	0.00665		mg/kg dry	1.25	1045162	10/27/2010 7:29:00AM
Chloromethane	BDL	0.00665		mg/kg dry	1.25	1045162	10/27/2010 7:29:00AM
cis-1,2-Dichloroethene	BDL	0.00665		mg/kg dry	1.25	1045162	10/27/2010 7:29:00AM
cis-1,3-Dichloropropene	BDL	0.00665		mg/kg dry	1.25	1045162	10/27/2010 7:29:00AM
Dibromochloromethane	BDL	0.00665		mg/kg dry	1.25	1045162	10/27/2010 7:29:00AM
Dibromomethane	BDL	0.00665		mg/kg dry	1.25	1045162	10/27/2010 7:29:00AM
Dichlorodifluoromethane	BDL	0.00665		mg/kg dry	1.25	1045162	10/27/2010 7:29:00AM
Ethylbenzene	BDL	0.00665		mg/kg dry	1.25	1045162	10/27/2010 7:29:00AM
Iodomethane	BDL	0.0133		mg/kg dry	1.25	1045162	10/27/2010 7:29:00AM
<b>Methylene Chloride</b>	<b>0.0115</b>	0.00665	O-01, B	mg/kg dry	1.25	1045162	10/27/2010 7:29:00AM
Methyl tert-Butyl Ether	BDL	0.0133		mg/kg dry	1.25	1045162	10/27/2010 7:29:00AM
m,p-Xylene	BDL	0.0133		mg/kg dry	1.25	1045162	10/27/2010 7:29:00AM
n-Hexane	BDL	0.00665		mg/kg dry	1.25	1045162	10/27/2010 7:29:00AM
o-Xylene	BDL	0.00665		mg/kg dry	1.25	1045162	10/27/2010 7:29:00AM
Styrene	BDL	0.00665		mg/kg dry	1.25	1045162	10/27/2010 7:29:00AM
Tetrachloroethene	BDL	0.00665		mg/kg dry	1.25	1045162	10/27/2010 7:29:00AM
Toluene	BDL	0.00665		mg/kg dry	1.25	1045162	10/27/2010 7:29:00AM
trans-1,2-Dichloroethene	BDL	0.00665		mg/kg dry	1.25	1045162	10/27/2010 7:29:00AM
trans-1,3-Dichloropropene	BDL	0.00665		mg/kg dry	1.25	1045162	10/27/2010 7:29:00AM
Trichloroethene	BDL	0.00665		mg/kg dry	1.25	1045162	10/27/2010 7:29:00AM
Trichlorofluoromethane	BDL	0.00665		mg/kg dry	1.25	1045162	10/27/2010 7:29:00AM
Vinyl Chloride	BDL	0.00665		mg/kg dry	1.25	1045162	10/27/2010 7:29:00AM
Vinyl acetate	BDL	0.0133		mg/kg dry	1.25	1045162	10/27/2010 7:29:00AM

Surrogate: 4-Bromofluorobenzene	113 %	41-140	1045162	10/27/2010 7:29:00AM
Surrogate: Dibromofluoromethane	128 %	33-129	1045162	10/27/2010 7:29:00AM
Surrogate: Toluene-d8	116 %	44-130	1045162	10/27/2010 7:29:00AM
Surrogate: 1,2-Dichloroethane-d4	133 %	S 31-123	1045162	10/27/2010 7:29:00AM

**PMOIST** **D 2216** **Analyst: AD**  
**Percent Moisture** **5.97** % by Weight 1 1045103 11/1/2010 12:00:00PM

**PAH\_FULL\_8270** **SW 8270C** **Analyst: mbg**  
2-Methylnaphthalene BDL 0.106 mg/kg dry 1 1044006 10/25/2010 11:35:00PM  
Acenaphthene BDL 0.106 mg/kg dry 1 1044006 10/25/2010 11:35:00PM  
Acenaphthylene BDL 0.106 mg/kg dry 1 1044006 10/25/2010 11:35:00PM

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

Lab Order: 10J0915

Lab ID: 10J0915-09  
 Client Sample ID: B-6 (70-72)

Collection Date: 10/13/2010 10:00:00AM  
 Matrix: Soil

Analysis	Result	PQL	Qual	Units	Dilution	Batch	Date Analyzed
Anthracene	BDL	0.106		mg/kg dry	1	1044006	10/25/2010 11:35:00PM
Benz(a)anthracene	BDL	0.106		mg/kg dry	1	1044006	10/25/2010 11:35:00PM
Benzo(a)pyrene	BDL	0.106		mg/kg dry	1	1044006	10/25/2010 11:35:00PM
Benzo(b)fluoranthene	BDL	0.106		mg/kg dry	1	1044006	10/25/2010 11:35:00PM
Benzo(g,h,i)perylene	BDL	0.106		mg/kg dry	1	1044006	10/25/2010 11:35:00PM
Benzo(k)fluoranthene	BDL	0.106		mg/kg dry	1	1044006	10/25/2010 11:35:00PM
Chrysene	BDL	0.106		mg/kg dry	1	1044006	10/25/2010 11:35:00PM
Dibenz(a,h)anthracene	BDL	0.106		mg/kg dry	1	1044006	10/25/2010 11:35:00PM
Fluoranthene	BDL	0.106		mg/kg dry	1	1044006	10/25/2010 11:35:00PM
Fluorene	BDL	0.106		mg/kg dry	1	1044006	10/25/2010 11:35:00PM
Indeno(1,2,3-cd)pyrene	BDL	0.106		mg/kg dry	1	1044006	10/25/2010 11:35:00PM
Naphthalene	BDL	0.106		mg/kg dry	1	1044006	10/25/2010 11:35:00PM
Phenanthrene	BDL	0.106		mg/kg dry	1	1044006	10/25/2010 11:35:00PM
Pyrene	BDL	0.106		mg/kg dry	1	1044006	10/25/2010 11:35:00PM
<i>Surrogate: Nitrobenzene-d5</i>		69.2 %		51-126		1044006	10/25/2010 11:35:00PM
<i>Surrogate: 2-Fluorobiphenyl</i>		74.8 %		56-121		1044006	10/25/2010 11:35:00PM
<i>Surrogate: Terphenyl-d14</i>		115 %		40-140		1044006	10/25/2010 11:35:00PM

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

Lab Order: 10J0915

Lab ID: 10J0915-10  
 Client Sample ID: B-7 (0-2)

Collection Date: 10/13/2010 11:00:00AM  
 Matrix: Soil

Analysis	Result	PQL	Qual	Units	Dilution	Batch	Date Analyzed
<b>TPH C10-34</b>	<b>SW 8015</b>					<b>Analyst: MBG</b>	
C10 to C20	BDL	10.5		mg/kg dry	1	1043253	11/2/2010 9:18:00PM
C20 to C34	BDL	524		mg/kg dry	1	1043253	11/2/2010 9:18:00PM
<i>Surrogate: o-Terphenyl</i>		<i>81.1 %</i>		<i>48-115</i>		<i>1043253</i>	<i>11/2/2010 9:18:00PM</i>
<b>TPH GRO C6-C12</b>	<b>SW 8015</b>					<b>Analyst: EH</b>	
Gasoline Range Organics, C6 - C12	BDL	5.14		mg/kg dry	0.9817	1043273	10/22/2010 1:50:00AM
<i>Surrogate: a,a,a-Trifluorotoluene</i>		<i>105 %</i>		<i>60-155</i>		<i>1043273</i>	<i>10/22/2010 1:50:00AM</i>
<b>ICP_Ag</b>	<b>SW 6010B</b>					<b>Analyst: RJE</b>	
Silver	BDL	1.05		mg/kg dry	1	1045021	11/1/2010 6:58:39PM
<b>ICP_AI</b>	<b>SW 6010B</b>					<b>Analyst: RJE</b>	
Aluminum	1460	10.5		mg/kg dry	1	1045021	11/1/2010 6:58:39PM
<b>ICP_As</b>	<b>SW 6010B</b>					<b>Analyst: RJE</b>	
Arsenic	2.49	1.05		mg/kg dry	1	1045021	11/1/2010 6:58:39PM
<b>ICP_Ba</b>	<b>SW 6010B</b>					<b>Analyst: RJE</b>	
Barium	11.1	1.05		mg/kg dry	1	1045021	11/1/2010 6:58:39PM
<b>ICP_Be</b>	<b>SW 6010B</b>					<b>Analyst: RJE</b>	
Beryllium	BDL	0.524		mg/kg dry	1	1045021	11/1/2010 6:58:39PM
<b>ICP_Cd</b>	<b>SW 6010B</b>					<b>Analyst: RJE</b>	
Cadmium	0.233	0.105		mg/kg dry	1	1045021	11/1/2010 6:58:39PM
<b>ICP_Co</b>	<b>SW 6010B</b>					<b>Analyst: RJE</b>	
Cobalt	1.11	1.05		mg/kg dry	1	1045021	11/1/2010 6:58:39PM
<b>ICP_Cr</b>	<b>SW 6010B</b>					<b>Analyst: RJE</b>	
Chromium	9.38	1.05		mg/kg dry	1	1045021	11/1/2010 6:58:39PM
<b>ICP_Ni</b>	<b>SW 6010B</b>					<b>Analyst: RJE</b>	
Nickel	3.59	1.05		mg/kg dry	1	1045021	11/1/2010 6:58:39PM
<b>ICP_Pb</b>	<b>SW 6010B</b>					<b>Analyst: RJE</b>	
Lead	6.44	1.05		mg/kg dry	1	1045021	11/1/2010 6:58:39PM
<b>ICP_Sb</b>	<b>SW 6010B</b>					<b>Analyst: RJE</b>	
Antimony	BDL	1.05		mg/kg dry	1	1045021	11/1/2010 6:58:39PM
<b>ICP_Se</b>	<b>SW 6010B</b>					<b>Analyst: RJE</b>	

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

**Lab Order:** 10J0915

**Lab ID:** 10J0915-10  
**Client Sample ID:** B-7 (0-2)

**Collection Date:** 10/13/2010 11:00:00AM  
**Matrix:** Soil

Analysis	Result	PQL	Qual	Units	Dilution	Batch	Date Analyzed
Selenium	BDL	5.24		mg/kg dry	1	1045021	11/1/2010 6:58:39PM
<b>ICP_Tl</b>		<b>SW 6010B</b>		<b>Analyst: RJE</b>			
Thallium	BDL	5.24		mg/kg dry	1	1045021	11/1/2010 6:58:39PM
<b>ICP_V</b>		<b>SW 6010B</b>		<b>Analyst: RJE</b>			
Vanadium	7.04	1.05		mg/kg dry	1	1045021	11/1/2010 6:58:39PM
<b>ICP_Zn</b>		<b>SW 6010B</b>		<b>Analyst: RJE</b>			
Zinc	5.85	5.24		mg/kg dry	1	1045021	11/1/2010 6:58:39PM
<b>HG</b>		<b>SW 7471</b>		<b>Analyst: RJE</b>			
Mercury	BDL	0.112		mg/kg dry	1	1045007	11/1/2010 3:03:00PM
<b>VOC 8260</b>		<b>SW 8260A</b>		<b>Analyst: KDS</b>			
1,1,1,2-Tetrachloroethane	BDL	0.00477		mg/kg dry	0.91	1044148	10/25/2010 7:25:00PM
1,1,1-Trichloroethane	BDL	0.00477		mg/kg dry	0.91	1044148	10/25/2010 7:25:00PM
1,1,2,2-Tetrachloroethane	BDL	0.00477		mg/kg dry	0.91	1044148	10/25/2010 7:25:00PM
1,1,2-Trichloroethane	BDL	0.00477		mg/kg dry	0.91	1044148	10/25/2010 7:25:00PM
1,1-Dichloroethane	BDL	0.00477		mg/kg dry	0.91	1044148	10/25/2010 7:25:00PM
1,1-Dichloroethene	BDL	0.00477		mg/kg dry	0.91	1044148	10/25/2010 7:25:00PM
1,1-Dichloropropene	BDL	0.00477		mg/kg dry	0.91	1044148	10/25/2010 7:25:00PM
1,2-Dibromoethane	BDL	0.00477		mg/kg dry	0.91	1044148	10/25/2010 7:25:00PM
1,2-Dichloroethane	BDL	0.00477		mg/kg dry	0.91	1044148	10/25/2010 7:25:00PM
1,2-Dichloropropane	BDL	0.00477		mg/kg dry	0.91	1044148	10/25/2010 7:25:00PM
1,3-Dichloropropane	BDL	0.00477		mg/kg dry	0.91	1044148	10/25/2010 7:25:00PM
2,2-Dichloropropane	BDL	0.00477		mg/kg dry	0.91	1044148	10/25/2010 7:25:00PM
2-Butanone	BDL	0.0191		mg/kg dry	0.91	1044148	10/25/2010 7:25:00PM
2-Chlorotoluene	BDL	0.00477		mg/kg dry	0.91	1044148	10/25/2010 7:25:00PM
2-Hexanone	BDL	0.0191		mg/kg dry	0.91	1044148	10/25/2010 7:25:00PM
4-Chlorotoluene	BDL	0.00477		mg/kg dry	0.91	1044148	10/25/2010 7:25:00PM
4-Methyl-2-pentanone	BDL	0.0191		mg/kg dry	0.91	1044148	10/25/2010 7:25:00PM
Acetone	BDL	0.0477		mg/kg dry	0.91	1044148	10/25/2010 7:25:00PM
Acetonitrile	BDL	0.0381		mg/kg dry	0.91	1044148	10/25/2010 7:25:00PM
Acrolein	BDL	0.0191		mg/kg dry	0.91	1044148	10/25/2010 7:25:00PM
Acrylonitrile	BDL	0.0191		mg/kg dry	0.91	1044148	10/25/2010 7:25:00PM
Allyl chloride	BDL	0.00954		mg/kg dry	0.91	1044148	10/25/2010 7:25:00PM
Benzene	BDL	0.00477		mg/kg dry	0.91	1044148	10/25/2010 7:25:00PM
Bromobenzene	BDL	0.00477		mg/kg dry	0.91	1044148	10/25/2010 7:25:00PM
Bromochloromethane	BDL	0.00477		mg/kg dry	0.91	1044148	10/25/2010 7:25:00PM
Bromodichloromethane	BDL	0.00477		mg/kg dry	0.91	1044148	10/25/2010 7:25:00PM
Bromoform	BDL	0.00477		mg/kg dry	0.91	1044148	10/25/2010 7:25:00PM
Bromomethane	BDL	0.00477		mg/kg dry	0.91	1044148	10/25/2010 7:25:00PM
Carbon Disulfide	BDL	0.0191		mg/kg dry	0.91	1044148	10/25/2010 7:25:00PM
Carbon Tetrachloride	BDL	0.00477		mg/kg dry	0.91	1044148	10/25/2010 7:25:00PM

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

**Lab Order:** 10J0915

**Lab ID:** 10J0915-10  
**Client Sample ID:** B-7 (0-2)

**Collection Date:** 10/13/2010 11:00:00AM  
**Matrix:** Soil

Analysis	Result	PQL	Qual	Units	Dilution	Batch	Date Analyzed
Chlorobenzene	BDL	0.00477		mg/kg dry	0.91	1044148	10/25/2010 7:25:00PM
Chloroethane	BDL	0.00477		mg/kg dry	0.91	1044148	10/25/2010 7:25:00PM
Chloroform	BDL	0.00477		mg/kg dry	0.91	1044148	10/25/2010 7:25:00PM
Chloromethane	BDL	0.00477		mg/kg dry	0.91	1044148	10/25/2010 7:25:00PM
cis-1,2-Dichloroethene	BDL	0.00477		mg/kg dry	0.91	1044148	10/25/2010 7:25:00PM
cis-1,3-Dichloropropene	BDL	0.00477		mg/kg dry	0.91	1044148	10/25/2010 7:25:00PM
Dibromochloromethane	BDL	0.00477		mg/kg dry	0.91	1044148	10/25/2010 7:25:00PM
Dibromomethane	BDL	0.00477		mg/kg dry	0.91	1044148	10/25/2010 7:25:00PM
Dichlorodifluoromethane	BDL	0.00477		mg/kg dry	0.91	1044148	10/25/2010 7:25:00PM
Ethylbenzene	BDL	0.00477		mg/kg dry	0.91	1044148	10/25/2010 7:25:00PM
Iodomethane	BDL	0.00954		mg/kg dry	0.91	1044148	10/25/2010 7:25:00PM
<b>Methylene Chloride</b>	<b>0.0175</b>	0.00477	O-01, B	mg/kg dry	0.91	1044148	10/25/2010 7:25:00PM
Methyl tert-Butyl Ether	BDL	0.00954		mg/kg dry	0.91	1044148	10/25/2010 7:25:00PM
m,p-Xylene	BDL	0.00954		mg/kg dry	0.91	1044148	10/25/2010 7:25:00PM
n-Hexane	BDL	0.00477		mg/kg dry	0.91	1044148	10/25/2010 7:25:00PM
o-Xylene	BDL	0.00477		mg/kg dry	0.91	1044148	10/25/2010 7:25:00PM
Styrene	BDL	0.00477		mg/kg dry	0.91	1044148	10/25/2010 7:25:00PM
Tetrachloroethene	BDL	0.00477		mg/kg dry	0.91	1044148	10/25/2010 7:25:00PM
Toluene	BDL	0.00477		mg/kg dry	0.91	1044148	10/25/2010 7:25:00PM
trans-1,2-Dichloroethene	BDL	0.00477		mg/kg dry	0.91	1044148	10/25/2010 7:25:00PM
trans-1,3-Dichloropropene	BDL	0.00477		mg/kg dry	0.91	1044148	10/25/2010 7:25:00PM
Trichloroethene	BDL	0.00477		mg/kg dry	0.91	1044148	10/25/2010 7:25:00PM
Trichlorofluoromethane	BDL	0.00477		mg/kg dry	0.91	1044148	10/25/2010 7:25:00PM
Vinyl Chloride	BDL	0.00477		mg/kg dry	0.91	1044148	10/25/2010 7:25:00PM
Vinyl acetate	BDL	0.00954		mg/kg dry	0.91	1044148	10/25/2010 7:25:00PM
<i>Surrogate: 4-Bromofluorobenzene</i>		79.8 %		41-140		1044148	10/25/2010 7:25:00PM
<i>Surrogate: Dibromofluoromethane</i>		126 %		33-129		1044148	10/25/2010 7:25:00PM
<i>Surrogate: Toluene-d8</i>		115 %	S	44-130		1044148	10/25/2010 7:25:00PM
<i>Surrogate: 1,2-Dichloroethane-d4</i>		131 %		31-123		1044148	10/25/2010 7:25:00PM

**PMOIST** **D 2216** **Analyst: AD**  
**Percent Moisture** **4.58** % by Weight 1 1045103 11/1/2010 12:00:00PM

**PAH\_FULL\_8270** **SW 8270C** **Analyst: mbg**

2-Methylnaphthalene	BDL	0.105		mg/kg dry	1	1044006	10/26/2010 4:40:00AM
Acenaphthene	BDL	0.105		mg/kg dry	1	1044006	10/26/2010 4:40:00AM
Acenaphthylene	BDL	0.105		mg/kg dry	1	1044006	10/26/2010 4:40:00AM
Anthracene	BDL	0.105		mg/kg dry	1	1044006	10/26/2010 4:40:00AM
Benz(a)anthracene	BDL	0.105		mg/kg dry	1	1044006	10/26/2010 4:40:00AM
Benzo(a)pyrene	BDL	0.105		mg/kg dry	1	1044006	10/26/2010 4:40:00AM
Benzo(b)fluoranthene	BDL	0.105		mg/kg dry	1	1044006	10/26/2010 4:40:00AM
Benzo(g,h,i)perylene	BDL	0.105		mg/kg dry	1	1044006	10/26/2010 4:40:00AM
Benzo(k)fluoranthene	BDL	0.105		mg/kg dry	1	1044006	10/26/2010 4:40:00AM
Chrysene	BDL	0.105		mg/kg dry	1	1044006	10/26/2010 4:40:00AM



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

**Lab Order:** 10J0915

**Lab ID:** 10J0915-10  
**Client Sample ID:** B-7 (0-2)

**Collection Date:** 10/13/2010 11:00:00AM  
**Matrix:** Soil

Analysis	Result	PQL	Qual	Units	Dilution	Batch	Date Analyzed
Dibenz(a,h)anthracene	BDL	0.105		mg/kg dry	1	1044006	10/26/2010 4:40:00AM
Fluoranthene	BDL	0.105		mg/kg dry	1	1044006	10/26/2010 4:40:00AM
Fluorene	BDL	0.105		mg/kg dry	1	1044006	10/26/2010 4:40:00AM
Indeno(1,2,3-cd)pyrene	BDL	0.105		mg/kg dry	1	1044006	10/26/2010 4:40:00AM
Naphthalene	BDL	0.105		mg/kg dry	1	1044006	10/26/2010 4:40:00AM
Phenanthrene	BDL	0.105		mg/kg dry	1	1044006	10/26/2010 4:40:00AM
Pyrene	BDL	0.105		mg/kg dry	1	1044006	10/26/2010 4:40:00AM
<i>Surrogate: Nitrobenzene-d5</i>		<i>96.5 %</i>		<i>51-126</i>		<i>1044006</i>	<i>10/26/2010 4:40:00AM</i>
<i>Surrogate: 2-Fluorobiphenyl</i>		<i>104 %</i>		<i>56-121</i>		<i>1044006</i>	<i>10/26/2010 4:40:00AM</i>
<i>Surrogate: Terphenyl-d14</i>		<i>136 %</i>		<i>40-140</i>		<i>1044006</i>	<i>10/26/2010 4:40:00AM</i>

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

Lab Order: 10J0915

Lab ID: 10J0915-11  
 Client Sample ID: B-7 (60)

Collection Date: 10/13/2010 11:30:00AM  
 Matrix: Soil

Analysis	Result	PQL	Qual	Units	Dilution	Batch	Date Analyzed
<b>TPH C10-34</b>	<b>SW 8015</b>					<b>Analyst: MBG</b>	
C10 to C20	977	11.9		mg/kg dry	1	1043253	11/2/2010 9:45:00PM
C20 to C34	1620	593		mg/kg dry	1	1043253	11/2/2010 9:45:00PM
<i>Surrogate: o-Terphenyl</i>		79.0 %		48-115		1043253	11/2/2010 9:45:00PM
<b>TPH GRO C6-C12</b>	<b>SW 8015</b>					<b>Analyst: EH</b>	
Gasoline Range Organics, C6 - C12	BDL	9.82		mg/kg dry	1.6567	1043273	10/22/2010 2:21:00AM
<i>Surrogate: a,a,a-Trifluorotoluene</i>		101 %		60-155		1043273	10/22/2010 2:21:00AM
<b>ICP_Ag</b>	<b>SW 6010B</b>					<b>Analyst: RJE</b>	
Silver	BDL	1.19		mg/kg dry	1	1045021	11/1/2010 7:02:55PM
<b>ICP_AI</b>	<b>SW 6010B</b>					<b>Analyst: RJE</b>	
Aluminum	694	11.9		mg/kg dry	1	1045021	11/1/2010 7:02:55PM
<b>ICP_As</b>	<b>SW 6010B</b>					<b>Analyst: RJE</b>	
Arsenic	14.3	1.19		mg/kg dry	1	1045021	11/1/2010 7:02:55PM
<b>ICP_Ba</b>	<b>SW 6010B</b>					<b>Analyst: RJE</b>	
Barium	37.8	1.19		mg/kg dry	1	1045021	11/1/2010 7:02:55PM
<b>ICP_Be</b>	<b>SW 6010B</b>					<b>Analyst: RJE</b>	
Beryllium	BDL	0.593		mg/kg dry	1	1045021	11/1/2010 7:02:55PM
<b>ICP_Cd</b>	<b>SW 6010B</b>					<b>Analyst: RJE</b>	
Cadmium	0.424	0.119		mg/kg dry	1	1045021	11/1/2010 7:02:55PM
<b>ICP_Co</b>	<b>SW 6010B</b>					<b>Analyst: RJE</b>	
Cobalt	BDL	1.19		mg/kg dry	1	1045021	11/1/2010 7:02:55PM
<b>ICP_Cr</b>	<b>SW 6010B</b>					<b>Analyst: RJE</b>	
Chromium	3.57	1.19		mg/kg dry	1	1045021	11/1/2010 7:02:55PM
<b>ICP_Ni</b>	<b>SW 6010B</b>					<b>Analyst: RJE</b>	
Nickel	1.65	1.19		mg/kg dry	1	1045021	11/1/2010 7:02:55PM
<b>ICP_Pb</b>	<b>SW 6010B</b>					<b>Analyst: RJE</b>	
Lead	5.13	1.19		mg/kg dry	1	1045021	11/1/2010 7:02:55PM
<b>ICP_Sb</b>	<b>SW 6010B</b>					<b>Analyst: RJE</b>	
Antimony	BDL	1.19		mg/kg dry	1	1045021	11/1/2010 7:02:55PM
<b>ICP_Se</b>	<b>SW 6010B</b>					<b>Analyst: RJE</b>	

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

**Lab Order:** 10J0915

**Lab ID:** 10J0915-11  
**Client Sample ID:** B-7 (60)

**Collection Date:** 10/13/2010 11:30:00AM  
**Matrix:** Soil

Analysis	Result	PQL	Qual	Units	Dilution	Batch	Date Analyzed
Selenium	BDL	5.93		mg/kg dry	1	1045021	11/1/2010 7:02:55PM
<b>ICP_Tl</b>		<b>SW 6010B</b>		<b>Analyst: RJE</b>			
Thallium	BDL	5.93		mg/kg dry	1	1045021	11/1/2010 7:02:55PM
<b>ICP_V</b>		<b>SW 6010B</b>		<b>Analyst: RJE</b>			
Vanadium	11.5	1.19		mg/kg dry	1	1045021	11/1/2010 7:02:55PM
<b>ICP_Zn</b>		<b>SW 6010B</b>		<b>Analyst: RJE</b>			
Zinc	6.10	5.93		mg/kg dry	1	1045021	11/1/2010 7:02:55PM
<b>HG</b>		<b>SW 7471</b>		<b>Analyst: RJE</b>			
Mercury	BDL	0.123		mg/kg dry	1	1045007	11/1/2010 3:03:00PM
<b>VOC 8260</b>		<b>SW 8260A</b>		<b>Analyst: kds</b>			
1,1,1,2-Tetrachloroethane	BDL	0.0182		mg/kg dry	3.07	1045116	10/27/2010 10:48:00AM
1,1,1-Trichloroethane	BDL	0.0182		mg/kg dry	3.07	1045116	10/27/2010 10:48:00AM
1,1,2,2-Tetrachloroethane	BDL	0.0182		mg/kg dry	3.07	1045116	10/27/2010 10:48:00AM
1,1,2-Trichloroethane	BDL	0.0182		mg/kg dry	3.07	1045116	10/27/2010 10:48:00AM
1,1-Dichloroethane	BDL	0.0182		mg/kg dry	3.07	1045116	10/27/2010 10:48:00AM
1,1-Dichloroethene	BDL	0.0182		mg/kg dry	3.07	1045116	10/27/2010 10:48:00AM
1,1-Dichloropropene	BDL	0.0182		mg/kg dry	3.07	1045116	10/27/2010 10:48:00AM
1,2-Dibromoethane	BDL	0.0182		mg/kg dry	3.07	1045116	10/27/2010 10:48:00AM
1,2-Dichloroethane	BDL	0.0182		mg/kg dry	3.07	1045116	10/27/2010 10:48:00AM
1,2-Dichloropropane	BDL	0.0182		mg/kg dry	3.07	1045116	10/27/2010 10:48:00AM
1,3-Dichloropropane	BDL	0.0182		mg/kg dry	3.07	1045116	10/27/2010 10:48:00AM
2,2-Dichloropropane	BDL	0.0182		mg/kg dry	3.07	1045116	10/27/2010 10:48:00AM
2-Butanone	BDL	0.0728		mg/kg dry	3.07	1045116	10/27/2010 10:48:00AM
2-Chlorotoluene	BDL	0.0182		mg/kg dry	3.07	1045116	10/27/2010 10:48:00AM
2-Hexanone	BDL	0.0728		mg/kg dry	3.07	1045116	10/27/2010 10:48:00AM
4-Chlorotoluene	BDL	0.0182		mg/kg dry	3.07	1045116	10/27/2010 10:48:00AM
4-Methyl-2-pentanone	BDL	0.0728		mg/kg dry	3.07	1045116	10/27/2010 10:48:00AM
Acetone	BDL	0.182		mg/kg dry	3.07	1045116	10/27/2010 10:48:00AM
Acetonitrile	BDL	0.146		mg/kg dry	3.07	1045116	10/27/2010 10:48:00AM
Acrolein	BDL	0.0728		mg/kg dry	3.07	1045116	10/27/2010 10:48:00AM
Acrylonitrile	BDL	0.0728		mg/kg dry	3.07	1045116	10/27/2010 10:48:00AM
Allyl chloride	BDL	0.0364		mg/kg dry	3.07	1045116	10/27/2010 10:48:00AM
Benzene	BDL	0.0182		mg/kg dry	3.07	1045116	10/27/2010 10:48:00AM
Bromobenzene	BDL	0.0182		mg/kg dry	3.07	1045116	10/27/2010 10:48:00AM
Bromochloromethane	BDL	0.0182		mg/kg dry	3.07	1045116	10/27/2010 10:48:00AM
Bromodichloromethane	BDL	0.0182		mg/kg dry	3.07	1045116	10/27/2010 10:48:00AM
Bromoform	BDL	0.0182		mg/kg dry	3.07	1045116	10/27/2010 10:48:00AM
Bromomethane	BDL	0.0182		mg/kg dry	3.07	1045116	10/27/2010 10:48:00AM
Carbon Disulfide	BDL	0.0728		mg/kg dry	3.07	1045116	10/27/2010 10:48:00AM
Carbon Tetrachloride	BDL	0.0182		mg/kg dry	3.07	1045116	10/27/2010 10:48:00AM

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

Lab Order: 10J0915

Lab ID: 10J0915-11  
 Client Sample ID: B-7 (60)

Collection Date: 10/13/2010 11:30:00AM  
 Matrix: Soil

Analysis	Result	PQL	Qual	Units	Dilution	Batch	Date Analyzed
Chlorobenzene	BDL	0.0182		mg/kg dry	3.07	1045116	10/27/2010 10:48:00AM
Chloroethane	BDL	0.0182		mg/kg dry	3.07	1045116	10/27/2010 10:48:00AM
Chloroform	BDL	0.0182		mg/kg dry	3.07	1045116	10/27/2010 10:48:00AM
Chloromethane	BDL	0.0182		mg/kg dry	3.07	1045116	10/27/2010 10:48:00AM
cis-1,2-Dichloroethene	BDL	0.0182		mg/kg dry	3.07	1045116	10/27/2010 10:48:00AM
cis-1,3-Dichloropropene	BDL	0.0182		mg/kg dry	3.07	1045116	10/27/2010 10:48:00AM
Dibromochloromethane	BDL	0.0182		mg/kg dry	3.07	1045116	10/27/2010 10:48:00AM
Dibromomethane	BDL	0.0182		mg/kg dry	3.07	1045116	10/27/2010 10:48:00AM
Dichlorodifluoromethane	BDL	0.0182		mg/kg dry	3.07	1045116	10/27/2010 10:48:00AM
Ethylbenzene	BDL	0.0182		mg/kg dry	3.07	1045116	10/27/2010 10:48:00AM
Iodomethane	BDL	0.0364		mg/kg dry	3.07	1045116	10/27/2010 10:48:00AM
<b>Methylene Chloride</b>	<b>0.0504</b>	0.0182	O-01	mg/kg dry	3.07	1045116	10/27/2010 10:48:00AM
Methyl tert-Butyl Ether	BDL	0.0364		mg/kg dry	3.07	1045116	10/27/2010 10:48:00AM
m,p-Xylene	BDL	0.0364		mg/kg dry	3.07	1045116	10/27/2010 10:48:00AM
n-Hexane	BDL	0.0182		mg/kg dry	3.07	1045116	10/27/2010 10:48:00AM
o-Xylene	BDL	0.0182		mg/kg dry	3.07	1045116	10/27/2010 10:48:00AM
Styrene	BDL	0.0182		mg/kg dry	3.07	1045116	10/27/2010 10:48:00AM
Tetrachloroethene	BDL	0.0182		mg/kg dry	3.07	1045116	10/27/2010 10:48:00AM
<b>Toluene</b>	<b>0.0264</b>	0.0182		mg/kg dry	3.07	1045116	10/27/2010 10:48:00AM
trans-1,2-Dichloroethene	BDL	0.0182		mg/kg dry	3.07	1045116	10/27/2010 10:48:00AM
trans-1,3-Dichloropropene	BDL	0.0182		mg/kg dry	3.07	1045116	10/27/2010 10:48:00AM
Trichloroethene	BDL	0.0182		mg/kg dry	3.07	1045116	10/27/2010 10:48:00AM
Trichlorofluoromethane	BDL	0.0182		mg/kg dry	3.07	1045116	10/27/2010 10:48:00AM
Vinyl Chloride	BDL	0.0182		mg/kg dry	3.07	1045116	10/27/2010 10:48:00AM
Vinyl acetate	BDL	0.0364		mg/kg dry	3.07	1045116	10/27/2010 10:48:00AM

Surrogate: 4-Bromofluorobenzene	75.4 %	41-140	1045116	10/27/2010 10:48:00AM
Surrogate: Dibromofluoromethane	75.4 %	33-129	1045116	10/27/2010 10:48:00AM
Surrogate: Toluene-d8	76.3 %	44-130	1045116	10/27/2010 10:48:00AM
Surrogate: 1,2-Dichloroethane-d4	75.4 %	31-123	1045116	10/27/2010 10:48:00AM

**PMOIST** **D 2216** **Analyst: AD**  
 Percent Moisture **15.7** % by Weight 1 1045103 11/1/2010 12:00:00PM

**PAH\_FULL\_8270** **SW 8270C** **Analyst: mbg**  
**2-Methylnaphthalene** **7.82** 2.37 mg/kg dry 20 1044006 10/30/2010 6:48:00PM  
 Acenaphthene BDL 0.119 mg/kg dry 1 1044006 10/26/2010 4:59:00AM  
 Acenaphthylene BDL 0.119 mg/kg dry 1 1044006 10/26/2010 4:59:00AM  
**Anthracene** **2.23** 0.119 mg/kg dry 1 1044006 10/26/2010 4:59:00AM  
**Benz(a)anthracene** **0.162** 0.119 mg/kg dry 1 1044006 10/26/2010 4:59:00AM  
**Benzo(a)pyrene** **0.127** 0.119 mg/kg dry 1 1044006 10/26/2010 4:59:00AM  
 Benzo(b)fluoranthene BDL 0.119 mg/kg dry 1 1044006 10/26/2010 4:59:00AM  
 Benzo(g,h,i)perylene BDL 0.119 mg/kg dry 1 1044006 10/26/2010 4:59:00AM  
 Benzo(k)fluoranthene BDL 0.119 mg/kg dry 1 1044006 10/26/2010 4:59:00AM  
**Chrysene** **0.227** 0.119 mg/kg dry 1 1044006 10/26/2010 4:59:00AM

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

Lab Order: 10J0915

Lab ID: 10J0915-11  
 Client Sample ID: B-7 (60)

Collection Date: 10/13/2010 11:30:00AM  
 Matrix: Soil

Analysis	Result	PQL	Qual	Units	Dilution	Batch	Date Analyzed
Dibenz(a,h)anthracene	BDL	0.119		mg/kg dry	1	1044006	10/26/2010 4:59:00AM
<b>Fluoranthene</b>	<b>0.214</b>	0.119		mg/kg dry	1	1044006	10/26/2010 4:59:00AM
Fluorene	BDL	0.119		mg/kg dry	1	1044006	10/26/2010 4:59:00AM
Indeno(1,2,3-cd)pyrene	BDL	0.119		mg/kg dry	1	1044006	10/26/2010 4:59:00AM
<b>Naphthalene</b>	<b>6.04</b>	2.37		mg/kg dry	20	1044006	10/30/2010 6:48:00PM
Phenanthrene	BDL	0.119		mg/kg dry	1	1044006	10/26/2010 4:59:00AM
<b>Pyrene</b>	<b>0.365</b>	0.119		mg/kg dry	1	1044006	10/26/2010 4:59:00AM
<i>Surrogate: Nitrobenzene-d5</i>		0.925 %	<i>S-04</i>	<i>51-126</i>		<i>1044006</i>	10/26/2010 4:59:00AM
<i>Surrogate: 2-Fluorobiphenyl</i>		78.6 %		<i>56-121</i>		<i>1044006</i>	10/26/2010 4:59:00AM
<i>Surrogate: Terphenyl-d14</i>		105 %		<i>40-140</i>		<i>1044006</i>	10/26/2010 4:59:00AM

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

Lab Order: 10J0915

Lab ID: 10J0915-12  
 Client Sample ID: B-7 (60) DUP

Collection Date: 10/13/2010 11:35:00AM  
 Matrix: Soil

Analysis	Result	PQL	Qual	Units	Dilution	Batch	Date Analyzed
<b>TPH C10-34</b>	<b>SW 8015</b>						<b>Analyst: MBG</b>
C10 to C20	853	11.7		mg/kg dry	1	1043253	11/2/2010 10:13:00PM
C20 to C34	1230	587		mg/kg dry	1	1043253	11/2/2010 10:13:00PM
<i>Surrogate: o-Terphenyl</i>		71.0 %		48-115		1043253	11/2/2010 10:13:00PM
<b>TPH GRO C6-C12</b>	<b>SW 8015</b>						<b>Analyst: EH</b>
Gasoline Range Organics, C6 - C12	BDL	13.6		mg/kg dry	2.3234	1043273	10/22/2010 2:51:00AM
<i>Surrogate: a,a,a-Trifluorotoluene</i>		103 %		60-155		1043273	10/22/2010 2:51:00AM
<b>ICP_Ag</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>
Silver	BDL	1.17		mg/kg dry	1	1045021	11/1/2010 7:07:45PM
<b>ICP_AI</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>
Aluminum	980	11.7		mg/kg dry	1	1045021	11/1/2010 7:07:45PM
<b>ICP_As</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>
Arsenic	52.6	1.17		mg/kg dry	1	1045021	11/1/2010 7:07:45PM
<b>ICP_Ba</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>
Barium	31.8	1.17		mg/kg dry	1	1045021	11/1/2010 7:07:45PM
<b>ICP_Be</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>
Beryllium	BDL	0.587		mg/kg dry	1	1045021	11/1/2010 7:07:45PM
<b>ICP_Cd</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>
Cadmium	1.71	0.117		mg/kg dry	1	1045021	11/1/2010 7:07:45PM
<b>ICP_Co</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>
Cobalt	2.06	1.17		mg/kg dry	1	1045021	11/1/2010 7:07:45PM
<b>ICP_Cr</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>
Chromium	3.46	1.17		mg/kg dry	1	1045021	11/1/2010 7:07:45PM
<b>ICP_Ni</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>
Nickel	1.97	1.17		mg/kg dry	1	1045021	11/1/2010 7:07:45PM
<b>ICP_Pb</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>
Lead	6.42	1.17		mg/kg dry	1	1045021	11/1/2010 7:07:45PM
<b>ICP_Sb</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>
Antimony	BDL	1.17		mg/kg dry	1	1045021	11/1/2010 7:07:45PM
<b>ICP_Se</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>

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

**Lab Order:** 10J0915

**Lab ID:** 10J0915-12  
**Client Sample ID:** B-7 (60) DUP

**Collection Date:** 10/13/2010 11:35:00AM  
**Matrix:** Soil

Analysis	Result	PQL	Qual	Units	Dilution	Batch	Date Analyzed
Selenium	BDL	5.87		mg/kg dry	1	1045021	11/1/2010 7:07:45PM
<b>ICP_Tl</b>		<b>SW 6010B</b>		<b>Analyst: RJE</b>			
Thallium	BDL	5.87		mg/kg dry	1	1045021	11/1/2010 7:07:45PM
<b>ICP_V</b>		<b>SW 6010B</b>		<b>Analyst: RJE</b>			
Vanadium	23.2	1.17		mg/kg dry	1	1045021	11/1/2010 7:07:45PM
<b>ICP_Zn</b>		<b>SW 6010B</b>		<b>Analyst: RJE</b>			
Zinc	13.8	5.87		mg/kg dry	1	1045021	11/1/2010 7:07:45PM
<b>HG</b>		<b>SW 7471</b>		<b>Analyst: RJE</b>			
Mercury	BDL	0.112		mg/kg dry	1	1045007	11/1/2010 3:03:00PM
<b>VOC 8260</b>		<b>SW 8260A</b>		<b>Analyst: kds</b>			
1,1,1,2-Tetrachloroethane	BDL	0.0165		mg/kg dry	2.82	1045116	10/27/2010 11:20:00AM
1,1,1-Trichloroethane	BDL	0.0165		mg/kg dry	2.82	1045116	10/27/2010 11:20:00AM
1,1,2,2-Tetrachloroethane	BDL	0.0165		mg/kg dry	2.82	1045116	10/27/2010 11:20:00AM
1,1,2-Trichloroethane	BDL	0.0165		mg/kg dry	2.82	1045116	10/27/2010 11:20:00AM
1,1-Dichloroethane	BDL	0.0165		mg/kg dry	2.82	1045116	10/27/2010 11:20:00AM
1,1-Dichloroethene	BDL	0.0165		mg/kg dry	2.82	1045116	10/27/2010 11:20:00AM
1,1-Dichloropropene	BDL	0.0165		mg/kg dry	2.82	1045116	10/27/2010 11:20:00AM
1,2-Dibromoethane	BDL	0.0165		mg/kg dry	2.82	1045116	10/27/2010 11:20:00AM
1,2-Dichloroethane	BDL	0.0165		mg/kg dry	2.82	1045116	10/27/2010 11:20:00AM
1,2-Dichloropropane	BDL	0.0165		mg/kg dry	2.82	1045116	10/27/2010 11:20:00AM
1,3-Dichloropropane	BDL	0.0165		mg/kg dry	2.82	1045116	10/27/2010 11:20:00AM
2,2-Dichloropropane	BDL	0.0165		mg/kg dry	2.82	1045116	10/27/2010 11:20:00AM
2-Butanone	BDL	0.0662		mg/kg dry	2.82	1045116	10/27/2010 11:20:00AM
2-Chlorotoluene	BDL	0.0165		mg/kg dry	2.82	1045116	10/27/2010 11:20:00AM
2-Hexanone	BDL	0.0662		mg/kg dry	2.82	1045116	10/27/2010 11:20:00AM
4-Chlorotoluene	BDL	0.0165		mg/kg dry	2.82	1045116	10/27/2010 11:20:00AM
4-Methyl-2-pentanone	BDL	0.0662		mg/kg dry	2.82	1045116	10/27/2010 11:20:00AM
Acetone	BDL	0.165		mg/kg dry	2.82	1045116	10/27/2010 11:20:00AM
Acetonitrile	BDL	0.132		mg/kg dry	2.82	1045116	10/27/2010 11:20:00AM
Acrolein	BDL	0.0662		mg/kg dry	2.82	1045116	10/27/2010 11:20:00AM
Acrylonitrile	BDL	0.0662		mg/kg dry	2.82	1045116	10/27/2010 11:20:00AM
Allyl chloride	BDL	0.0331		mg/kg dry	2.82	1045116	10/27/2010 11:20:00AM
Benzene	BDL	0.0165		mg/kg dry	2.82	1045116	10/27/2010 11:20:00AM
Bromobenzene	BDL	0.0165		mg/kg dry	2.82	1045116	10/27/2010 11:20:00AM
Bromochloromethane	BDL	0.0165		mg/kg dry	2.82	1045116	10/27/2010 11:20:00AM
Bromodichloromethane	BDL	0.0165		mg/kg dry	2.82	1045116	10/27/2010 11:20:00AM
Bromoform	BDL	0.0165		mg/kg dry	2.82	1045116	10/27/2010 11:20:00AM
Bromomethane	BDL	0.0165		mg/kg dry	2.82	1045116	10/27/2010 11:20:00AM
Carbon Disulfide	BDL	0.0662		mg/kg dry	2.82	1045116	10/27/2010 11:20:00AM
Carbon Tetrachloride	BDL	0.0165		mg/kg dry	2.82	1045116	10/27/2010 11:20:00AM

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

**Lab Order:** 10J0915

**Lab ID:** 10J0915-12  
**Client Sample ID:** B-7 (60) DUP

**Collection Date:** 10/13/2010 11:35:00AM  
**Matrix:** Soil

Analysis	Result	PQL	Qual	Units	Dilution	Batch	Date Analyzed
Chlorobenzene	BDL	0.0165		mg/kg dry	2.82	1045116	10/27/2010 11:20:00AM
Chloroethane	BDL	0.0165		mg/kg dry	2.82	1045116	10/27/2010 11:20:00AM
Chloroform	BDL	0.0165		mg/kg dry	2.82	1045116	10/27/2010 11:20:00AM
Chloromethane	BDL	0.0165		mg/kg dry	2.82	1045116	10/27/2010 11:20:00AM
cis-1,2-Dichloroethene	BDL	0.0165		mg/kg dry	2.82	1045116	10/27/2010 11:20:00AM
cis-1,3-Dichloropropene	BDL	0.0165		mg/kg dry	2.82	1045116	10/27/2010 11:20:00AM
Dibromochloromethane	BDL	0.0165		mg/kg dry	2.82	1045116	10/27/2010 11:20:00AM
Dibromomethane	BDL	0.0165		mg/kg dry	2.82	1045116	10/27/2010 11:20:00AM
Dichlorodifluoromethane	BDL	0.0165		mg/kg dry	2.82	1045116	10/27/2010 11:20:00AM
Ethylbenzene	BDL	0.0165		mg/kg dry	2.82	1045116	10/27/2010 11:20:00AM
Iodomethane	BDL	0.0331		mg/kg dry	2.82	1045116	10/27/2010 11:20:00AM
<b>Methylene Chloride</b>	<b>0.0678</b>	0.0165	O-01	mg/kg dry	2.82	1045116	10/27/2010 11:20:00AM
Methyl tert-Butyl Ether	BDL	0.0331		mg/kg dry	2.82	1045116	10/27/2010 11:20:00AM
m,p-Xylene	BDL	0.0331		mg/kg dry	2.82	1045116	10/27/2010 11:20:00AM
n-Hexane	BDL	0.0165		mg/kg dry	2.82	1045116	10/27/2010 11:20:00AM
o-Xylene	BDL	0.0165		mg/kg dry	2.82	1045116	10/27/2010 11:20:00AM
Styrene	BDL	0.0165		mg/kg dry	2.82	1045116	10/27/2010 11:20:00AM
Tetrachloroethene	BDL	0.0165		mg/kg dry	2.82	1045116	10/27/2010 11:20:00AM
<b>Toluene</b>	<b>0.0206</b>	0.0165		mg/kg dry	2.82	1045116	10/27/2010 11:20:00AM
trans-1,2-Dichloroethene	BDL	0.0165		mg/kg dry	2.82	1045116	10/27/2010 11:20:00AM
trans-1,3-Dichloropropene	BDL	0.0165		mg/kg dry	2.82	1045116	10/27/2010 11:20:00AM
Trichloroethene	BDL	0.0165		mg/kg dry	2.82	1045116	10/27/2010 11:20:00AM
Trichlorofluoromethane	BDL	0.0165		mg/kg dry	2.82	1045116	10/27/2010 11:20:00AM
Vinyl Chloride	BDL	0.0165		mg/kg dry	2.82	1045116	10/27/2010 11:20:00AM
Vinyl acetate	BDL	0.0331		mg/kg dry	2.82	1045116	10/27/2010 11:20:00AM

<i>Surrogate: 4-Bromofluorobenzene</i>	77.7 %	41-140	1045116	10/27/2010 11:20:00AM
<i>Surrogate: Dibromofluoromethane</i>	75.3 %	33-129	1045116	10/27/2010 11:20:00AM
<i>Surrogate: Toluene-d8</i>	76.3 %	44-130	1045116	10/27/2010 11:20:00AM
<i>Surrogate: 1,2-Dichloroethane-d4</i>	75.1 %	31-123	1045116	10/27/2010 11:20:00AM

**PMOIST** **D 2216** **Analyst: AD**  
**Percent Moisture** **14.8** % by Weight 1 1045103 11/1/2010 12:00:00PM

**PAH\_FULL\_8270** **SW 8270C** **Analyst: mbg**  
**2-Methylnaphthalene** **9.76** 2.35 mg/kg dry 20 1044006 10/30/2010 6:29:00PM  
 Acenaphthene BDL 0.117 mg/kg dry 1 1044006 10/26/2010 3:43:00AM  
 Acenaphthylene BDL 0.117 mg/kg dry 1 1044006 10/26/2010 3:43:00AM  
**Anthracene** **2.68** 0.117 mg/kg dry 1 1044006 10/26/2010 3:43:00AM  
**Benz(a)anthracene** **0.203** 0.117 mg/kg dry 1 1044006 10/26/2010 3:43:00AM  
**Benzo(a)pyrene** **0.135** 0.117 mg/kg dry 1 1044006 10/26/2010 3:43:00AM  
 Benzo(b)fluoranthene BDL 0.117 mg/kg dry 1 1044006 10/26/2010 3:43:00AM  
 Benzo(g,h,i)perylene BDL 0.117 mg/kg dry 1 1044006 10/26/2010 3:43:00AM  
 Benzo(k)fluoranthene BDL 0.117 mg/kg dry 1 1044006 10/26/2010 3:43:00AM  
**Chrysene** **0.286** 0.117 mg/kg dry 1 1044006 10/26/2010 3:43:00AM



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

**Lab Order:** 10J0915

**Lab ID:** 10J0915-12  
**Client Sample ID:** B-7 (60) DUP

**Collection Date:** 10/13/2010 11:35:00AM  
**Matrix:** Soil

Analysis	Result	PQL	Qual	Units	Dilution	Batch	Date Analyzed
Dibenz(a,h)anthracene	BDL	0.117		mg/kg dry	1	1044006	10/26/2010 3:43:00AM
<b>Fluoranthene</b>	<b>0.255</b>	0.117		mg/kg dry	1	1044006	10/26/2010 3:43:00AM
<b>Fluorene</b>	<b>0.124</b>	0.117		mg/kg dry	1	1044006	10/26/2010 3:43:00AM
Indeno(1,2,3-cd)pyrene	BDL	0.117		mg/kg dry	1	1044006	10/26/2010 3:43:00AM
<b>Naphthalene</b>	<b>7.52</b>	2.35		mg/kg dry	20	1044006	10/30/2010 6:29:00PM
<b>Pyrene</b>	<b>0.451</b>	0.117		mg/kg dry	1	1044006	10/26/2010 3:43:00AM
<i>Surrogate: Nitrobenzene-d5</i>		1.45 %	S-04	51-126		1044006	10/26/2010 3:43:00AM
<i>Surrogate: 2-Fluorobiphenyl</i>		95.9 %		56-121		1044006	10/26/2010 3:43:00AM
<i>Surrogate: Terphenyl-d14</i>		115 %		40-140		1044006	10/26/2010 3:43:00AM

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

Lab Order: 10J0915

Lab ID: 10J0915-13  
 Client Sample ID: B-9 (0-2)

Collection Date: 10/13/2010 2:00:00PM  
 Matrix: Soil

Analysis	Result	PQL	Qual	Units	Dilution	Batch	Date Analyzed
<b>TPH C10-34</b>	<b>SW 8015</b>						<b>Analyst: MBG</b>
C10 to C20	BDL	10.5		mg/kg dry	1	1043253	11/2/2010 7:00:00PM
C20 to C34	BDL	523		mg/kg dry	1	1043253	11/2/2010 7:00:00PM
<i>Surrogate: o-Terphenyl</i>		80.6 %		48-115		1043253	11/2/2010 7:00:00PM
<b>TPH GRO C6-C12</b>	<b>SW 8015</b>						<b>Analyst: EH</b>
Gasoline Range Organics, C6 - C12	BDL	5.14		mg/kg dry	0.9831	1043273	10/22/2010 3:22:00AM
<i>Surrogate: a,a,a-Trifluorotoluene</i>		105 %		60-155		1043273	10/22/2010 3:22:00AM
<b>ICP_Ag</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>
Silver	BDL	1.05		mg/kg dry	1	1045021	11/1/2010 7:12:41PM
<b>ICP_AI</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>
Aluminum	1520	10.5		mg/kg dry	1	1045021	11/1/2010 7:12:41PM
<b>ICP_As</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>
Arsenic	3.07	1.05		mg/kg dry	1	1045021	11/1/2010 7:12:41PM
<b>ICP_Ba</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>
Barium	12.7	1.05		mg/kg dry	1	1045021	11/1/2010 7:12:41PM
<b>ICP_Be</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>
Beryllium	BDL	0.523		mg/kg dry	1	1045021	11/1/2010 7:12:41PM
<b>ICP_Cd</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>
Cadmium	0.317	0.105		mg/kg dry	1	1045021	11/1/2010 7:12:41PM
<b>ICP_Co</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>
Cobalt	1.39	1.05		mg/kg dry	1	1045021	11/1/2010 7:12:41PM
<b>ICP_Cr</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>
Chromium	6.57	1.05		mg/kg dry	1	1045021	11/1/2010 7:12:41PM
<b>ICP_Ni</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>
Nickel	4.11	1.05		mg/kg dry	1	1045021	11/1/2010 7:12:41PM
<b>ICP_Pb</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>
Lead	9.32	1.05		mg/kg dry	1	1045021	11/1/2010 7:12:41PM
<b>ICP_Sb</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>
Antimony	BDL	1.05		mg/kg dry	1	1045021	11/1/2010 7:12:41PM
<b>ICP_Se</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>

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

**Lab Order:** 10J0915

**Lab ID:** 10J0915-13  
**Client Sample ID:** B-9 (0-2)

**Collection Date:** 10/13/2010 2:00:00PM  
**Matrix:** Soil

Analysis	Result	PQL	Qual	Units	Dilution	Batch	Date Analyzed
Selenium	BDL	5.23		mg/kg dry	1	1045021	11/1/2010 7:12:41PM
<b>ICP_Tl</b>		<b>SW 6010B</b>		<b>Analyst: RJE</b>			
Thallium	BDL	5.23		mg/kg dry	1	1045021	11/1/2010 7:12:41PM
<b>ICP_V</b>		<b>SW 6010B</b>		<b>Analyst: RJE</b>			
Vanadium	6.60	1.05		mg/kg dry	1	1045021	11/1/2010 7:12:41PM
<b>ICP_Zn</b>		<b>SW 6010B</b>		<b>Analyst: RJE</b>			
Zinc	19.8	5.23		mg/kg dry	1	1045021	11/1/2010 7:12:41PM
<b>HG</b>		<b>SW 7471</b>		<b>Analyst: RJE</b>			
Mercury	BDL	0.110		mg/kg dry	1	1045007	11/1/2010 3:03:00PM
<b>VOC 8260</b>		<b>SW 8260A</b>		<b>Analyst: KDS</b>			
1,1,1,2-Tetrachloroethane	BDL	0.00581		mg/kg dry	1.11	1045162	10/27/2010 9:10:00AM
1,1,1-Trichloroethane	BDL	0.00581		mg/kg dry	1.11	1045162	10/27/2010 9:10:00AM
1,1,2,2-Tetrachloroethane	BDL	0.00581		mg/kg dry	1.11	1045162	10/27/2010 9:10:00AM
1,1,2-Trichloroethane	BDL	0.00581		mg/kg dry	1.11	1045162	10/27/2010 9:10:00AM
1,1-Dichloroethane	BDL	0.00581		mg/kg dry	1.11	1045162	10/27/2010 9:10:00AM
1,1-Dichloroethene	BDL	0.00581		mg/kg dry	1.11	1045162	10/27/2010 9:10:00AM
1,1-Dichloropropene	BDL	0.00581		mg/kg dry	1.11	1045162	10/27/2010 9:10:00AM
1,2-Dibromoethane	BDL	0.00581		mg/kg dry	1.11	1045162	10/27/2010 9:10:00AM
1,2-Dichloroethane	BDL	0.00581		mg/kg dry	1.11	1045162	10/27/2010 9:10:00AM
1,2-Dichloropropane	BDL	0.00581		mg/kg dry	1.11	1045162	10/27/2010 9:10:00AM
1,3-Dichloropropane	BDL	0.00581		mg/kg dry	1.11	1045162	10/27/2010 9:10:00AM
2,2-Dichloropropane	BDL	0.00581		mg/kg dry	1.11	1045162	10/27/2010 9:10:00AM
2-Butanone	BDL	0.0232		mg/kg dry	1.11	1045162	10/27/2010 9:10:00AM
2-Chlorotoluene	BDL	0.00581		mg/kg dry	1.11	1045162	10/27/2010 9:10:00AM
2-Hexanone	BDL	0.0232		mg/kg dry	1.11	1045162	10/27/2010 9:10:00AM
4-Chlorotoluene	BDL	0.00581		mg/kg dry	1.11	1045162	10/27/2010 9:10:00AM
4-Methyl-2-pentanone	BDL	0.0232		mg/kg dry	1.11	1045162	10/27/2010 9:10:00AM
Acetone	BDL	0.0581		mg/kg dry	1.11	1045162	10/27/2010 9:10:00AM
Acetonitrile	BDL	0.0465		mg/kg dry	1.11	1045162	10/27/2010 9:10:00AM
Acrolein	BDL	0.0232		mg/kg dry	1.11	1045162	10/27/2010 9:10:00AM
Acrylonitrile	BDL	0.0232		mg/kg dry	1.11	1045162	10/27/2010 9:10:00AM
Allyl chloride	BDL	0.0116		mg/kg dry	1.11	1045162	10/27/2010 9:10:00AM
Benzene	BDL	0.00581		mg/kg dry	1.11	1045162	10/27/2010 9:10:00AM
Bromobenzene	BDL	0.00581		mg/kg dry	1.11	1045162	10/27/2010 9:10:00AM
Bromochloromethane	BDL	0.00581		mg/kg dry	1.11	1045162	10/27/2010 9:10:00AM
Bromodichloromethane	BDL	0.00581		mg/kg dry	1.11	1045162	10/27/2010 9:10:00AM
Bromoform	BDL	0.00581		mg/kg dry	1.11	1045162	10/27/2010 9:10:00AM
Bromomethane	BDL	0.00581		mg/kg dry	1.11	1045162	10/27/2010 9:10:00AM
Carbon Disulfide	BDL	0.0232		mg/kg dry	1.11	1045162	10/27/2010 9:10:00AM
Carbon Tetrachloride	BDL	0.00581		mg/kg dry	1.11	1045162	10/27/2010 9:10:00AM

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

**Lab Order:** 10J0915

**Lab ID:** 10J0915-13  
**Client Sample ID:** B-9 (0-2)

**Collection Date:** 10/13/2010 2:00:00PM  
**Matrix:** Soil

Analysis	Result	PQL	Qual	Units	Dilution	Batch	Date Analyzed
Chlorobenzene	BDL	0.00581		mg/kg dry	1.11	1045162	10/27/2010 9:10:00AM
Chloroethane	BDL	0.00581		mg/kg dry	1.11	1045162	10/27/2010 9:10:00AM
Chloroform	BDL	0.00581		mg/kg dry	1.11	1045162	10/27/2010 9:10:00AM
Chloromethane	BDL	0.00581		mg/kg dry	1.11	1045162	10/27/2010 9:10:00AM
cis-1,2-Dichloroethene	BDL	0.00581		mg/kg dry	1.11	1045162	10/27/2010 9:10:00AM
cis-1,3-Dichloropropene	BDL	0.00581		mg/kg dry	1.11	1045162	10/27/2010 9:10:00AM
Dibromochloromethane	BDL	0.00581		mg/kg dry	1.11	1045162	10/27/2010 9:10:00AM
Dibromomethane	BDL	0.00581		mg/kg dry	1.11	1045162	10/27/2010 9:10:00AM
Dichlorodifluoromethane	BDL	0.00581		mg/kg dry	1.11	1045162	10/27/2010 9:10:00AM
Ethylbenzene	BDL	0.00581		mg/kg dry	1.11	1045162	10/27/2010 9:10:00AM
Iodomethane	BDL	0.0116		mg/kg dry	1.11	1045162	10/27/2010 9:10:00AM
Methylene Chloride	BDL	0.00581		mg/kg dry	1.11	1045162	10/27/2010 9:10:00AM
Methyl tert-Butyl Ether	BDL	0.0116		mg/kg dry	1.11	1045162	10/27/2010 9:10:00AM
m,p-Xylene	BDL	0.0116		mg/kg dry	1.11	1045162	10/27/2010 9:10:00AM
n-Hexane	BDL	0.00581		mg/kg dry	1.11	1045162	10/27/2010 9:10:00AM
o-Xylene	BDL	0.00581		mg/kg dry	1.11	1045162	10/27/2010 9:10:00AM
Styrene	BDL	0.00581		mg/kg dry	1.11	1045162	10/27/2010 9:10:00AM
Tetrachloroethene	BDL	0.00581		mg/kg dry	1.11	1045162	10/27/2010 9:10:00AM
Toluene	BDL	0.00581		mg/kg dry	1.11	1045162	10/27/2010 9:10:00AM
trans-1,2-Dichloroethene	BDL	0.00581		mg/kg dry	1.11	1045162	10/27/2010 9:10:00AM
trans-1,3-Dichloropropene	BDL	0.00581		mg/kg dry	1.11	1045162	10/27/2010 9:10:00AM
Trichloroethene	BDL	0.00581		mg/kg dry	1.11	1045162	10/27/2010 9:10:00AM
Trichlorofluoromethane	BDL	0.00581		mg/kg dry	1.11	1045162	10/27/2010 9:10:00AM
Vinyl Chloride	BDL	0.00581		mg/kg dry	1.11	1045162	10/27/2010 9:10:00AM
Vinyl acetate	BDL	0.0116		mg/kg dry	1.11	1045162	10/27/2010 9:10:00AM

<i>Surrogate: 4-Bromofluorobenzene</i>	76.0 %			41-140	1045162	10/27/2010 9:10:00AM
<i>Surrogate: Dibromofluoromethane</i>	127 %			33-129	1045162	10/27/2010 9:10:00AM
<i>Surrogate: Toluene-d8</i>	112 %			44-130	1045162	10/27/2010 9:10:00AM
<i>Surrogate: 1,2-Dichloroethane-d4</i>	131 %		S	31-123	1045162	10/27/2010 9:10:00AM

**PMOIST** **D 2216** **Analyst: AD**  
**Percent Moisture** **4.43** % by 1 1045103 11/1/2010 12:00:00PM  
Weight

**PAH\_FULL\_8270** **SW 8270C** **Analyst: mbg**

2-Methylnaphthalene	BDL	0.105		mg/kg dry	1	1044006	10/26/2010 12:32:00AM
Acenaphthene	BDL	0.105		mg/kg dry	1	1044006	10/26/2010 12:32:00AM
Acenaphthylene	BDL	0.105		mg/kg dry	1	1044006	10/26/2010 12:32:00AM
Anthracene	BDL	0.105		mg/kg dry	1	1044006	10/26/2010 12:32:00AM
Benz(a)anthracene	BDL	0.105		mg/kg dry	1	1044006	10/26/2010 12:32:00AM
Benzo(a)pyrene	BDL	0.105		mg/kg dry	1	1044006	10/26/2010 12:32:00AM
Benzo(b)fluoranthene	BDL	0.105		mg/kg dry	1	1044006	10/26/2010 12:32:00AM
Benzo(g,h,i)perylene	BDL	0.105		mg/kg dry	1	1044006	10/26/2010 12:32:00AM
Benzo(k)fluoranthene	BDL	0.105		mg/kg dry	1	1044006	10/26/2010 12:32:00AM
Chrysene	BDL	0.105		mg/kg dry	1	1044006	10/26/2010 12:32:00AM

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

**Lab Order:** 10J0915

**Lab ID:** 10J0915-13  
**Client Sample ID:** B-9 (0-2)

**Collection Date:** 10/13/2010 2:00:00PM  
**Matrix:** Soil

Analysis	Result	PQL	Qual	Units	Dilution	Batch	Date Analyzed
Dibenz(a,h)anthracene	BDL	0.105		mg/kg dry	1	1044006	10/26/2010 12:32:00AM
Fluoranthene	BDL	0.105		mg/kg dry	1	1044006	10/26/2010 12:32:00AM
Fluorene	BDL	0.105		mg/kg dry	1	1044006	10/26/2010 12:32:00AM
Indeno(1,2,3-cd)pyrene	BDL	0.105		mg/kg dry	1	1044006	10/26/2010 12:32:00AM
Naphthalene	BDL	0.105		mg/kg dry	1	1044006	10/26/2010 12:32:00AM
Phenanthrene	BDL	0.105		mg/kg dry	1	1044006	10/26/2010 12:32:00AM
Pyrene	BDL	0.105		mg/kg dry	1	1044006	10/26/2010 12:32:00AM
<i>Surrogate: Nitrobenzene-d5</i>		<i>73.8 %</i>		<i>51-126</i>		<i>1044006</i>	<i>10/26/2010 12:32:00AM</i>
<i>Surrogate: 2-Fluorobiphenyl</i>		<i>96.5 %</i>		<i>56-121</i>		<i>1044006</i>	<i>10/26/2010 12:32:00AM</i>
<i>Surrogate: Terphenyl-d14</i>		<i>140 %</i>		<i>40-140</i>		<i>1044006</i>	<i>10/26/2010 12:32:00AM</i>

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

Lab Order: 10J0915

Lab ID: 10J0915-14  
 Client Sample ID: B-9 (2.5-3)

Collection Date: 10/13/2010 2:15:00PM  
 Matrix: Soil

Analysis	Result	PQL	Qual	Units	Dilution	Batch	Date Analyzed
<b>TPH C10-34</b>	<b>SW 8015</b>					<b>Analyst: MBG</b>	
C10 to C20	1230	11.5		mg/kg dry	1	1043253	11/2/2010 8:50:00PM
C20 to C34	2380	576		mg/kg dry	1	1043253	11/2/2010 8:50:00PM
<i>Surrogate: o-Terphenyl</i>		131 %	S-04	48-115		1043253	11/2/2010 8:50:00PM
<b>TPH GRO C6-C12</b>	<b>SW 8015</b>					<b>Analyst: EH</b>	
Gasoline Range Organics, C6 - C12	BDL	9.27		mg/kg dry	1.6082	1043273	10/22/2010 3:53:00AM
<i>Surrogate: a,a,a-Trifluorotoluene</i>		102 %		60-155		1043273	10/22/2010 3:53:00AM
<b>ICP_Ag</b>	<b>SW 6010B</b>					<b>Analyst: RJE</b>	
Silver	BDL	1.15		mg/kg dry	1	1045021	11/1/2010 7:16:53PM
<b>ICP_AI</b>	<b>SW 6010B</b>					<b>Analyst: RJE</b>	
Aluminum	698	11.5		mg/kg dry	1	1045021	11/1/2010 7:16:53PM
<b>ICP_As</b>	<b>SW 6010B</b>					<b>Analyst: RJE</b>	
Arsenic	8.50	1.15		mg/kg dry	1	1045021	11/1/2010 7:16:53PM
<b>ICP_Ba</b>	<b>SW 6010B</b>					<b>Analyst: RJE</b>	
Barium	100	1.15		mg/kg dry	1	1045021	11/1/2010 7:16:53PM
<b>ICP_Be</b>	<b>SW 6010B</b>					<b>Analyst: RJE</b>	
Beryllium	BDL	0.576		mg/kg dry	1	1045021	11/1/2010 7:16:53PM
<b>ICP_Cd</b>	<b>SW 6010B</b>					<b>Analyst: RJE</b>	
Cadmium	0.333	0.115		mg/kg dry	1	1045021	11/1/2010 7:16:53PM
<b>ICP_Co</b>	<b>SW 6010B</b>					<b>Analyst: RJE</b>	
Cobalt	1.47	1.15		mg/kg dry	1	1045021	11/1/2010 7:16:53PM
<b>ICP_Cr</b>	<b>SW 6010B</b>					<b>Analyst: RJE</b>	
Chromium	7.36	1.15		mg/kg dry	1	1045021	11/1/2010 7:16:53PM
<b>ICP_Ni</b>	<b>SW 6010B</b>					<b>Analyst: RJE</b>	
Nickel	11.5	1.15		mg/kg dry	1	1045021	11/1/2010 7:16:53PM
<b>ICP_Pb</b>	<b>SW 6010B</b>					<b>Analyst: RJE</b>	
Lead	6.80	1.15		mg/kg dry	1	1045021	11/1/2010 7:16:53PM
<b>ICP_Sb</b>	<b>SW 6010B</b>					<b>Analyst: RJE</b>	
Antimony	BDL	1.15		mg/kg dry	1	1045021	11/1/2010 7:16:53PM
<b>ICP_Se</b>	<b>SW 6010B</b>					<b>Analyst: RJE</b>	

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

**Lab Order:** 10J0915

**Lab ID:** 10J0915-14  
**Client Sample ID:** B-9 (2.5-3)

**Collection Date:** 10/13/2010 2:15:00PM  
**Matrix:** Soil

Analysis	Result	PQL	Qual	Units	Dilution	Batch	Date Analyzed
Selenium	BDL	5.76		mg/kg dry	1	1045021	11/1/2010 7:16:53PM
<b>ICP_Tl</b>		<b>SW 6010B</b>		<b>Analyst: RJE</b>			
Thallium	BDL	5.76		mg/kg dry	1	1045021	11/1/2010 7:16:53PM
<b>ICP_V</b>		<b>SW 6010B</b>		<b>Analyst: RJE</b>			
Vanadium	5.98	1.15		mg/kg dry	1	1045021	11/1/2010 7:16:53PM
<b>ICP_Zn</b>		<b>SW 6010B</b>		<b>Analyst: RJE</b>			
Zinc	114	5.76		mg/kg dry	1	1045021	11/1/2010 7:16:53PM
<b>HG</b>		<b>SW 7471</b>		<b>Analyst: RJE</b>			
Mercury	0.247	0.112		mg/kg dry	1	1045007	11/1/2010 3:03:00PM
<b>VOC 8260</b>		<b>SW 8260A</b>		<b>Analyst: kds</b>			
1,1,1,2-Tetrachloroethane	BDL	0.0288		mg/kg dry	4.99	1045116	10/27/2010 11:58:00AM
1,1,1-Trichloroethane	BDL	0.0288		mg/kg dry	4.99	1045116	10/27/2010 11:58:00AM
1,1,2,2-Tetrachloroethane	BDL	0.0288		mg/kg dry	4.99	1045116	10/27/2010 11:58:00AM
1,1,2-Trichloroethane	BDL	0.0288		mg/kg dry	4.99	1045116	10/27/2010 11:58:00AM
1,1-Dichloroethane	BDL	0.0288		mg/kg dry	4.99	1045116	10/27/2010 11:58:00AM
1,1-Dichloroethene	BDL	0.0288		mg/kg dry	4.99	1045116	10/27/2010 11:58:00AM
1,1-Dichloropropene	BDL	0.0288		mg/kg dry	4.99	1045116	10/27/2010 11:58:00AM
1,2-Dibromoethane	BDL	0.0288		mg/kg dry	4.99	1045116	10/27/2010 11:58:00AM
1,2-Dichloroethane	BDL	0.0288		mg/kg dry	4.99	1045116	10/27/2010 11:58:00AM
1,2-Dichloropropane	BDL	0.0288		mg/kg dry	4.99	1045116	10/27/2010 11:58:00AM
1,3-Dichloropropane	BDL	0.0288		mg/kg dry	4.99	1045116	10/27/2010 11:58:00AM
2,2-Dichloropropane	BDL	0.0288		mg/kg dry	4.99	1045116	10/27/2010 11:58:00AM
2-Butanone	BDL	0.115		mg/kg dry	4.99	1045116	10/27/2010 11:58:00AM
2-Chlorotoluene	BDL	0.0288		mg/kg dry	4.99	1045116	10/27/2010 11:58:00AM
2-Hexanone	BDL	0.115		mg/kg dry	4.99	1045116	10/27/2010 11:58:00AM
4-Chlorotoluene	BDL	0.0288		mg/kg dry	4.99	1045116	10/27/2010 11:58:00AM
4-Methyl-2-pentanone	BDL	0.115		mg/kg dry	4.99	1045116	10/27/2010 11:58:00AM
Acetone	BDL	0.288		mg/kg dry	4.99	1045116	10/27/2010 11:58:00AM
Acetonitrile	BDL	0.230		mg/kg dry	4.99	1045116	10/27/2010 11:58:00AM
Acrolein	BDL	0.115		mg/kg dry	4.99	1045116	10/27/2010 11:58:00AM
Acrylonitrile	BDL	0.115		mg/kg dry	4.99	1045116	10/27/2010 11:58:00AM
Allyl chloride	BDL	0.0575		mg/kg dry	4.99	1045116	10/27/2010 11:58:00AM
Benzene	BDL	0.0288		mg/kg dry	4.99	1045116	10/27/2010 11:58:00AM
Bromobenzene	BDL	0.0288		mg/kg dry	4.99	1045116	10/27/2010 11:58:00AM
Bromochloromethane	BDL	0.0288		mg/kg dry	4.99	1045116	10/27/2010 11:58:00AM
Bromodichloromethane	BDL	0.0288		mg/kg dry	4.99	1045116	10/27/2010 11:58:00AM
Bromoform	BDL	0.0288		mg/kg dry	4.99	1045116	10/27/2010 11:58:00AM
Bromomethane	BDL	0.0288		mg/kg dry	4.99	1045116	10/27/2010 11:58:00AM
Carbon Disulfide	BDL	0.115		mg/kg dry	4.99	1045116	10/27/2010 11:58:00AM
Carbon Tetrachloride	BDL	0.0288		mg/kg dry	4.99	1045116	10/27/2010 11:58:00AM

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

Lab Order: 10J0915

Lab ID: 10J0915-14  
 Client Sample ID: B-9 (2.5-3)

Collection Date: 10/13/2010 2:15:00PM  
 Matrix: Soil

Analysis	Result	PQL	Qual	Units	Dilution	Batch	Date Analyzed
Chlorobenzene	BDL	0.0288		mg/kg dry	4.99	1045116	10/27/2010 11:58:00AM
Chloroethane	BDL	0.0288		mg/kg dry	4.99	1045116	10/27/2010 11:58:00AM
Chloroform	BDL	0.0288		mg/kg dry	4.99	1045116	10/27/2010 11:58:00AM
Chloromethane	BDL	0.0288		mg/kg dry	4.99	1045116	10/27/2010 11:58:00AM
cis-1,2-Dichloroethene	BDL	0.0288		mg/kg dry	4.99	1045116	10/27/2010 11:58:00AM
cis-1,3-Dichloropropene	BDL	0.0288		mg/kg dry	4.99	1045116	10/27/2010 11:58:00AM
Dibromochloromethane	BDL	0.0288		mg/kg dry	4.99	1045116	10/27/2010 11:58:00AM
Dibromomethane	BDL	0.0288		mg/kg dry	4.99	1045116	10/27/2010 11:58:00AM
Dichlorodifluoromethane	BDL	0.0288		mg/kg dry	4.99	1045116	10/27/2010 11:58:00AM
Ethylbenzene	BDL	0.0288		mg/kg dry	4.99	1045116	10/27/2010 11:58:00AM
Iodomethane	BDL	0.0575		mg/kg dry	4.99	1045116	10/27/2010 11:58:00AM
<b>Methylene Chloride</b>	<b>0.0744</b>	0.0288	O-01	mg/kg dry	4.99	1045116	10/27/2010 11:58:00AM
Methyl tert-Butyl Ether	BDL	0.0575		mg/kg dry	4.99	1045116	10/27/2010 11:58:00AM
m,p-Xylene	BDL	0.0575		mg/kg dry	4.99	1045116	10/27/2010 11:58:00AM
n-Hexane	BDL	0.0288		mg/kg dry	4.99	1045116	10/27/2010 11:58:00AM
o-Xylene	BDL	0.0288		mg/kg dry	4.99	1045116	10/27/2010 11:58:00AM
Styrene	BDL	0.0288		mg/kg dry	4.99	1045116	10/27/2010 11:58:00AM
Tetrachloroethene	BDL	0.0288		mg/kg dry	4.99	1045116	10/27/2010 11:58:00AM
Toluene	BDL	0.0288		mg/kg dry	4.99	1045116	10/27/2010 11:58:00AM
trans-1,2-Dichloroethene	BDL	0.0288		mg/kg dry	4.99	1045116	10/27/2010 11:58:00AM
trans-1,3-Dichloropropene	BDL	0.0288		mg/kg dry	4.99	1045116	10/27/2010 11:58:00AM
Trichloroethene	BDL	0.0288		mg/kg dry	4.99	1045116	10/27/2010 11:58:00AM
Trichlorofluoromethane	BDL	0.0288		mg/kg dry	4.99	1045116	10/27/2010 11:58:00AM
Vinyl Chloride	BDL	0.0288		mg/kg dry	4.99	1045116	10/27/2010 11:58:00AM
Vinyl acetate	BDL	0.0575		mg/kg dry	4.99	1045116	10/27/2010 11:58:00AM
<i>Surrogate: 4-Bromofluorobenzene</i>		77.2 %		41-140	1045116	10/27/2010 11:58:00AM	
<i>Surrogate: Dibromofluoromethane</i>		75.2 %		33-129	1045116	10/27/2010 11:58:00AM	
<i>Surrogate: Toluene-d8</i>		77.0 %		44-130	1045116	10/27/2010 11:58:00AM	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		73.7 %		31-123	1045116	10/27/2010 11:58:00AM	

**PMOIST** **D 2216** **Analyst: AD**  
 Percent Moisture **13.2** % by Weight 1 1045103 11/1/2010 12:00:00PM

**PAH\_FULL\_8270** **SW 8270C** **Analyst: mbg**

<b>2-Methylnaphthalene</b>	<b>1.77</b>	0.115		mg/kg dry	1	1044006	10/26/2010 3:05:00AM
Acenaphthene	BDL	0.115		mg/kg dry	1	1044006	10/26/2010 3:05:00AM
Acenaphthylene	BDL	0.115		mg/kg dry	1	1044006	10/26/2010 3:05:00AM
<b>Anthracene</b>	<b>1.07</b>	0.115		mg/kg dry	1	1044006	10/26/2010 3:05:00AM
Benz(a)anthracene	BDL	0.115		mg/kg dry	1	1044006	10/26/2010 3:05:00AM
Benzo(a)pyrene	BDL	0.115		mg/kg dry	1	1044006	10/26/2010 3:05:00AM
Benzo(b)fluoranthene	BDL	0.115		mg/kg dry	1	1044006	10/26/2010 3:05:00AM
<b>Benzo(g,h,i)perylene</b>	<b>0.139</b>	0.115		mg/kg dry	1	1044006	10/26/2010 3:05:00AM
Benzo(k)fluoranthene	BDL	0.115		mg/kg dry	1	1044006	10/26/2010 3:05:00AM
Chrysene	BDL	0.115		mg/kg dry	1	1044006	10/26/2010 3:05:00AM



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

Lab Order: 10J0915

Lab ID: 10J0915-14  
 Client Sample ID: B-9 (2.5-3)

Collection Date: 10/13/2010 2:15:00PM  
 Matrix: Soil

Analysis	Result	PQL	Qual	Units	Dilution	Batch	Date Analyzed
Dibenz(a,h)anthracene	BDL	0.115		mg/kg dry	1	1044006	10/26/2010 3:05:00AM
Fluoranthene	BDL	0.115		mg/kg dry	1	1044006	10/26/2010 3:05:00AM
Fluorene	BDL	0.115		mg/kg dry	1	1044006	10/26/2010 3:05:00AM
Indeno(1,2,3-cd)pyrene	BDL	0.115		mg/kg dry	1	1044006	10/26/2010 3:05:00AM
<b>Naphthalene</b>	<b>1.34</b>	0.115		mg/kg dry	1	1044006	10/26/2010 3:05:00AM
Phenanthrene	BDL	0.115		mg/kg dry	1	1044006	10/26/2010 3:05:00AM
<b>Pyrene</b>	<b>0.223</b>	0.115		mg/kg dry	1	1044006	10/26/2010 3:05:00AM
<i>Surrogate: Nitrobenzene-d5</i>		86.4 %		51-126		1044006	10/26/2010 3:05:00AM
<i>Surrogate: 2-Fluorobiphenyl</i>		98.1 %		56-121		1044006	10/26/2010 3:05:00AM
<i>Surrogate: Terphenyl-d14</i>		121 %		40-140		1044006	10/26/2010 3:05:00AM

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

Lab Order: 10J0915

Lab ID: 10J0915-15  
 Client Sample ID: B-10 (0-2)

Collection Date: 10/14/2010 8:00:00AM  
 Matrix: Soil

Analysis	Result	PQL	Qual	Units	Dilution	Batch	Date Analyzed
<b>TPH C10-34</b>	<b>SW 8015</b>					<b>Analyst: MBG</b>	
C10 to C20	BDL	10.8		mg/kg dry	1	1043253	11/2/2010 7:28:00PM
C20 to C34	BDL	539		mg/kg dry	1	1043253	11/2/2010 7:28:00PM
<i>Surrogate: o-Terphenyl</i>		<i>79.1 %</i>		<i>48-115</i>		<i>1043253</i>	<i>11/2/2010 7:28:00PM</i>
<b>TPH GRO C6-C12</b>	<b>SW 8015</b>					<b>Analyst: EH</b>	
Gasoline Range Organics, C6 - C12	BDL	5.34		mg/kg dry	0.9921	1043273	10/22/2010 4:23:00AM
<i>Surrogate: a,a,a-Trifluorotoluene</i>		<i>108 %</i>		<i>60-155</i>		<i>1043273</i>	<i>10/22/2010 4:23:00AM</i>
<b>ICP_Ag</b>	<b>SW 6010B</b>					<b>Analyst: RJE</b>	
Silver	BDL	1.08		mg/kg dry	1	1045021	11/1/2010 7:21:22PM
<b>ICP_AI</b>	<b>SW 6010B</b>					<b>Analyst: RJE</b>	
Aluminum	1310	10.8		mg/kg dry	1	1045021	11/1/2010 7:21:22PM
<b>ICP_As</b>	<b>SW 6010B</b>					<b>Analyst: RJE</b>	
Arsenic	2.68	1.08		mg/kg dry	1	1045021	11/1/2010 7:21:22PM
<b>ICP_Ba</b>	<b>SW 6010B</b>					<b>Analyst: RJE</b>	
Barium	11.1	1.08		mg/kg dry	1	1045021	11/1/2010 7:21:22PM
<b>ICP_Be</b>	<b>SW 6010B</b>					<b>Analyst: RJE</b>	
Beryllium	BDL	0.539		mg/kg dry	1	1045021	11/1/2010 7:21:22PM
<b>ICP_Cd</b>	<b>SW 6010B</b>					<b>Analyst: RJE</b>	
Cadmium	0.242	0.108		mg/kg dry	1	1045021	11/1/2010 7:21:22PM
<b>ICP_Co</b>	<b>SW 6010B</b>					<b>Analyst: RJE</b>	
Cobalt	BDL	1.08		mg/kg dry	1	1045021	11/1/2010 7:21:22PM
<b>ICP_Cr</b>	<b>SW 6010B</b>					<b>Analyst: RJE</b>	
Chromium	5.78	1.08		mg/kg dry	1	1045021	11/1/2010 7:21:22PM
<b>ICP_Ni</b>	<b>SW 6010B</b>					<b>Analyst: RJE</b>	
Nickel	2.97	1.08		mg/kg dry	1	1045021	11/1/2010 7:21:22PM
<b>ICP_Pb</b>	<b>SW 6010B</b>					<b>Analyst: RJE</b>	
Lead	7.48	1.08		mg/kg dry	1	1045021	11/1/2010 7:21:22PM
<b>ICP_Sb</b>	<b>SW 6010B</b>					<b>Analyst: RJE</b>	
Antimony	BDL	1.08		mg/kg dry	1	1045021	11/1/2010 7:21:22PM
<b>ICP_Se</b>	<b>SW 6010B</b>					<b>Analyst: RJE</b>	

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

**Lab Order:** 10J0915

**Lab ID:** 10J0915-15  
**Client Sample ID:** B-10 (0-2)

**Collection Date:** 10/14/2010 8:00:00AM  
**Matrix:** Soil

Analysis	Result	PQL	Qual	Units	Dilution	Batch	Date Analyzed
Selenium	BDL	5.39		mg/kg dry	1	1045021	11/1/2010 7:21:22PM
<b>ICP_Tl</b>		<b>SW 6010B</b>		<b>Analyst: RJE</b>			
Thallium	BDL	5.39		mg/kg dry	1	1045021	11/1/2010 7:21:22PM
<b>ICP_V</b>		<b>SW 6010B</b>		<b>Analyst: RJE</b>			
Vanadium	6.08	1.08		mg/kg dry	1	1045021	11/1/2010 7:21:22PM
<b>ICP_Zn</b>		<b>SW 6010B</b>		<b>Analyst: RJE</b>			
Zinc	5.76	5.39		mg/kg dry	1	1045021	11/1/2010 7:21:22PM
<b>HG</b>		<b>SW 7471</b>		<b>Analyst: RJE</b>			
Mercury	BDL	0.115		mg/kg dry	1	1045007	11/1/2010 3:03:00PM
<b>VOC 8260</b>		<b>SW 8260A</b>		<b>Analyst: KDS</b>			
1,1,1,2-Tetrachloroethane	BDL	0.00479		mg/kg dry	0.89	1045162	10/27/2010 10:51:00AM
1,1,1-Trichloroethane	BDL	0.00479		mg/kg dry	0.89	1045162	10/27/2010 10:51:00AM
1,1,2,2-Tetrachloroethane	BDL	0.00479		mg/kg dry	0.89	1045162	10/27/2010 10:51:00AM
1,1,2-Trichloroethane	BDL	0.00479		mg/kg dry	0.89	1045162	10/27/2010 10:51:00AM
1,1-Dichloroethane	BDL	0.00479		mg/kg dry	0.89	1045162	10/27/2010 10:51:00AM
1,1-Dichloroethene	BDL	0.00479		mg/kg dry	0.89	1045162	10/27/2010 10:51:00AM
1,1-Dichloropropene	BDL	0.00479		mg/kg dry	0.89	1045162	10/27/2010 10:51:00AM
1,2-Dibromoethane	BDL	0.00479		mg/kg dry	0.89	1045162	10/27/2010 10:51:00AM
1,2-Dichloroethane	BDL	0.00479		mg/kg dry	0.89	1045162	10/27/2010 10:51:00AM
1,2-Dichloropropane	BDL	0.00479		mg/kg dry	0.89	1045162	10/27/2010 10:51:00AM
1,3-Dichloropropane	BDL	0.00479		mg/kg dry	0.89	1045162	10/27/2010 10:51:00AM
2,2-Dichloropropane	BDL	0.00479		mg/kg dry	0.89	1045162	10/27/2010 10:51:00AM
2-Butanone	BDL	0.0192		mg/kg dry	0.89	1045162	10/27/2010 10:51:00AM
2-Chlorotoluene	BDL	0.00479		mg/kg dry	0.89	1045162	10/27/2010 10:51:00AM
2-Hexanone	BDL	0.0192		mg/kg dry	0.89	1045162	10/27/2010 10:51:00AM
4-Chlorotoluene	BDL	0.00479		mg/kg dry	0.89	1045162	10/27/2010 10:51:00AM
4-Methyl-2-pentanone	BDL	0.0192		mg/kg dry	0.89	1045162	10/27/2010 10:51:00AM
Acetone	BDL	0.0479		mg/kg dry	0.89	1045162	10/27/2010 10:51:00AM
Acetonitrile	BDL	0.0383		mg/kg dry	0.89	1045162	10/27/2010 10:51:00AM
Acrolein	BDL	0.0192		mg/kg dry	0.89	1045162	10/27/2010 10:51:00AM
Acrylonitrile	BDL	0.0192		mg/kg dry	0.89	1045162	10/27/2010 10:51:00AM
Allyl chloride	BDL	0.00959		mg/kg dry	0.89	1045162	10/27/2010 10:51:00AM
Benzene	BDL	0.00479		mg/kg dry	0.89	1045162	10/27/2010 10:51:00AM
Bromobenzene	BDL	0.00479		mg/kg dry	0.89	1045162	10/27/2010 10:51:00AM
Bromochloromethane	BDL	0.00479		mg/kg dry	0.89	1045162	10/27/2010 10:51:00AM
Bromodichloromethane	BDL	0.00479		mg/kg dry	0.89	1045162	10/27/2010 10:51:00AM
Bromoform	BDL	0.00479		mg/kg dry	0.89	1045162	10/27/2010 10:51:00AM
Bromomethane	BDL	0.00479		mg/kg dry	0.89	1045162	10/27/2010 10:51:00AM
Carbon Disulfide	BDL	0.0192		mg/kg dry	0.89	1045162	10/27/2010 10:51:00AM
Carbon Tetrachloride	BDL	0.00479		mg/kg dry	0.89	1045162	10/27/2010 10:51:00AM

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

Lab Order: 10J0915

Lab ID: 10J0915-15  
 Client Sample ID: B-10 (0-2)

Collection Date: 10/14/2010 8:00:00AM  
 Matrix: Soil

Analysis	Result	PQL	Qual	Units	Dilution	Batch	Date Analyzed
Chlorobenzene	BDL	0.00479		mg/kg dry	0.89	1045162	10/27/2010 10:51:00AM
Chloroethane	BDL	0.00479		mg/kg dry	0.89	1045162	10/27/2010 10:51:00AM
Chloroform	BDL	0.00479		mg/kg dry	0.89	1045162	10/27/2010 10:51:00AM
Chloromethane	BDL	0.00479		mg/kg dry	0.89	1045162	10/27/2010 10:51:00AM
cis-1,2-Dichloroethene	BDL	0.00479		mg/kg dry	0.89	1045162	10/27/2010 10:51:00AM
cis-1,3-Dichloropropene	BDL	0.00479		mg/kg dry	0.89	1045162	10/27/2010 10:51:00AM
Dibromochloromethane	BDL	0.00479		mg/kg dry	0.89	1045162	10/27/2010 10:51:00AM
Dibromomethane	BDL	0.00479		mg/kg dry	0.89	1045162	10/27/2010 10:51:00AM
Dichlorodifluoromethane	BDL	0.00479		mg/kg dry	0.89	1045162	10/27/2010 10:51:00AM
Ethylbenzene	BDL	0.00479		mg/kg dry	0.89	1045162	10/27/2010 10:51:00AM
Iodomethane	BDL	0.00959		mg/kg dry	0.89	1045162	10/27/2010 10:51:00AM
<b>Methylene Chloride</b>	<b>0.0105</b>	0.00479	O-01, B	mg/kg dry	0.89	1045162	10/27/2010 10:51:00AM
Methyl tert-Butyl Ether	BDL	0.00959		mg/kg dry	0.89	1045162	10/27/2010 10:51:00AM
m,p-Xylene	BDL	0.00959		mg/kg dry	0.89	1045162	10/27/2010 10:51:00AM
n-Hexane	BDL	0.00479		mg/kg dry	0.89	1045162	10/27/2010 10:51:00AM
o-Xylene	BDL	0.00479		mg/kg dry	0.89	1045162	10/27/2010 10:51:00AM
Styrene	BDL	0.00479		mg/kg dry	0.89	1045162	10/27/2010 10:51:00AM
Tetrachloroethene	BDL	0.00479		mg/kg dry	0.89	1045162	10/27/2010 10:51:00AM
Toluene	BDL	0.00479		mg/kg dry	0.89	1045162	10/27/2010 10:51:00AM
trans-1,2-Dichloroethene	BDL	0.00479		mg/kg dry	0.89	1045162	10/27/2010 10:51:00AM
trans-1,3-Dichloropropene	BDL	0.00479		mg/kg dry	0.89	1045162	10/27/2010 10:51:00AM
Trichloroethene	BDL	0.00479		mg/kg dry	0.89	1045162	10/27/2010 10:51:00AM
Trichlorofluoromethane	BDL	0.00479		mg/kg dry	0.89	1045162	10/27/2010 10:51:00AM
Vinyl Chloride	BDL	0.00479		mg/kg dry	0.89	1045162	10/27/2010 10:51:00AM
Vinyl acetate	BDL	0.00959		mg/kg dry	0.89	1045162	10/27/2010 10:51:00AM

Surrogate: 4-Bromofluorobenzene	78.6 %			41-140	1045162	10/27/2010 10:51:00AM
Surrogate: Dibromofluoromethane	123 %			33-129	1045162	10/27/2010 10:51:00AM
Surrogate: Toluene-d8	89.5 %			44-130	1045162	10/27/2010 10:51:00AM
Surrogate: 1,2-Dichloroethane-d4	130 %		S	31-123	1045162	10/27/2010 10:51:00AM

**PMOIST** **D 2216** **Analyst: AD**  
 Percent Moisture **7.15** % by Weight 1 1045103 11/1/2010 12:00:00PM

**PAH\_FULL\_8270** **SW 8270C** **Analyst: mbg**

2-Methylnaphthalene	BDL	0.108		mg/kg dry	1	1044006	10/26/2010 1:49:00AM
Acenaphthene	BDL	0.108		mg/kg dry	1	1044006	10/26/2010 1:49:00AM
Acenaphthylene	BDL	0.108		mg/kg dry	1	1044006	10/26/2010 1:49:00AM
Anthracene	BDL	0.108		mg/kg dry	1	1044006	10/26/2010 1:49:00AM
Benz(a)anthracene	BDL	0.108		mg/kg dry	1	1044006	10/26/2010 1:49:00AM
Benzo(a)pyrene	BDL	0.108		mg/kg dry	1	1044006	10/26/2010 1:49:00AM
Benzo(b)fluoranthene	BDL	0.108		mg/kg dry	1	1044006	10/26/2010 1:49:00AM
Benzo(g,h,i)perylene	BDL	0.108		mg/kg dry	1	1044006	10/26/2010 1:49:00AM
Benzo(k)fluoranthene	BDL	0.108		mg/kg dry	1	1044006	10/26/2010 1:49:00AM
Chrysene	BDL	0.108		mg/kg dry	1	1044006	10/26/2010 1:49:00AM

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

Lab Order: 10J0915

Lab ID: 10J0915-15  
 Client Sample ID: B-10 (0-2)

Collection Date: 10/14/2010 8:00:00AM  
 Matrix: Soil

Analysis	Result	PQL	Qual	Units	Dilution	Batch	Date Analyzed
Dibenz(a,h)anthracene	BDL	0.108		mg/kg dry	1	1044006	10/26/2010 1:49:00AM
Fluoranthene	BDL	0.108		mg/kg dry	1	1044006	10/26/2010 1:49:00AM
Fluorene	BDL	0.108		mg/kg dry	1	1044006	10/26/2010 1:49:00AM
Indeno(1,2,3-cd)pyrene	BDL	0.108		mg/kg dry	1	1044006	10/26/2010 1:49:00AM
Naphthalene	BDL	0.108		mg/kg dry	1	1044006	10/26/2010 1:49:00AM
Phenanthrene	BDL	0.108		mg/kg dry	1	1044006	10/26/2010 1:49:00AM
Pyrene	BDL	0.108		mg/kg dry	1	1044006	10/26/2010 1:49:00AM
<i>Surrogate: Nitrobenzene-d5</i>		78.2 %		51-126		1044006	10/26/2010 1:49:00AM
<i>Surrogate: 2-Fluorobiphenyl</i>		96.7 %		56-121		1044006	10/26/2010 1:49:00AM
<i>Surrogate: Terphenyl-d14</i>		139 %		40-140		1044006	10/26/2010 1:49:00AM

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

Lab Order: 10J0915

Lab ID: 10J0915-16  
 Client Sample ID: B-10 (13.5-14.5)

Collection Date: 10/14/2010 9:45:00AM  
 Matrix: Soil

Analysis	Result	PQL	Qual	Units	Dilution	Batch	Date Analyzed
<b>TPH C10-34</b>	<b>SW 8015</b>						<b>Analyst: MBG</b>
C10 to C20	1070	12.2		mg/kg dry	1	1043253	11/2/2010 8:23:00PM
C20 to C34	611	610		mg/kg dry	1	1043253	11/2/2010 8:23:00PM
<i>Surrogate: o-Terphenyl</i>		140 %	S-04	48-115		1043253	11/2/2010 8:23:00PM
<b>TPH GRO C6-C12</b>	<b>SW 8015</b>						<b>Analyst: EH</b>
Gasoline Range Organics, C6 - C12	21.2	6.02		mg/kg dry	0.9862	1044057	10/25/2010 11:07:00PM
<i>Surrogate: a,a,a-Trifluorotoluene</i>		100 %		60-155		1044057	10/25/2010 11:07:00PM
<b>ICP_Ag</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>
Silver	BDL	1.22		mg/kg dry	1	1045021	11/1/2010 7:25:41PM
<b>ICP_AI</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>
Aluminum	21200	12.2		mg/kg dry	1	1045021	11/1/2010 7:25:41PM
<b>ICP_As</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>
Arsenic	12.1	1.22		mg/kg dry	1	1045021	11/1/2010 7:25:41PM
<b>ICP_Ba</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>
Barium	134	1.22		mg/kg dry	1	1045021	11/1/2010 7:25:41PM
<b>ICP_Be</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>
Beryllium	2.18	0.610		mg/kg dry	1	1045021	11/1/2010 7:25:41PM
<b>ICP_Cd</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>
Cadmium	1.28	0.122		mg/kg dry	1	1045021	11/1/2010 7:25:41PM
<b>ICP_Co</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>
Cobalt	27.3	1.22		mg/kg dry	1	1045021	11/1/2010 7:25:41PM
<b>ICP_Cr</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>
Chromium	21.9	1.22		mg/kg dry	1	1045021	11/1/2010 7:25:41PM
<b>ICP_Ni</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>
Nickel	46.4	1.22		mg/kg dry	1	1045021	11/1/2010 7:25:41PM
<b>ICP_Pb</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>
Lead	19.1	1.22		mg/kg dry	1	1045021	11/1/2010 7:25:41PM
<b>ICP_Sb</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>
Antimony	BDL	1.22		mg/kg dry	1	1045021	11/1/2010 7:25:41PM
<b>ICP_Se</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>

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

**Lab Order:** 10J0915

**Lab ID:** 10J0915-16  
**Client Sample ID:** B-10 (13.5-14.5)

**Collection Date:** 10/14/2010 9:45:00AM  
**Matrix:** Soil

Analysis	Result	PQL	Qual	Units	Dilution	Batch	Date Analyzed
Selenium	BDL	6.10		mg/kg dry	1	1045021	11/1/2010 7:25:41PM
<b>ICP_Tl</b>		<b>SW 6010B</b>		<b>Analyst: RJE</b>			
Thallium	BDL	6.10		mg/kg dry	1	1045021	11/1/2010 7:25:41PM
<b>ICP_V</b>		<b>SW 6010B</b>		<b>Analyst: RJE</b>			
Vanadium	38.3	1.22		mg/kg dry	1	1045021	11/1/2010 7:25:41PM
<b>ICP_Zn</b>		<b>SW 6010B</b>		<b>Analyst: RJE</b>			
Zinc	106	6.10		mg/kg dry	1	1045021	11/1/2010 7:25:41PM
<b>HG</b>		<b>SW 7471</b>		<b>Analyst: RJE</b>			
Mercury	BDL	0.131		mg/kg dry	1	1045007	11/1/2010 3:03:00PM
<b>VOC 8260</b>		<b>SW 8260A</b>		<b>Analyst: KDS</b>			
1,1,1,2-Tetrachloroethane	BDL	0.00610		mg/kg dry	1	1045188	10/27/2010 6:07:00PM
1,1,1-Trichloroethane	BDL	0.00610		mg/kg dry	1	1045188	10/27/2010 6:07:00PM
1,1,2,2-Tetrachloroethane	BDL	0.00610		mg/kg dry	1	1045188	10/27/2010 6:07:00PM
1,1,2-Trichloroethane	BDL	0.00610		mg/kg dry	1	1045188	10/27/2010 6:07:00PM
1,1-Dichloroethane	BDL	0.00610		mg/kg dry	1	1045188	10/27/2010 6:07:00PM
1,1-Dichloroethene	BDL	0.00610		mg/kg dry	1	1045188	10/27/2010 6:07:00PM
1,1-Dichloropropene	BDL	0.00610		mg/kg dry	1	1045188	10/27/2010 6:07:00PM
1,2-Dibromoethane	BDL	0.00610		mg/kg dry	1	1045188	10/27/2010 6:07:00PM
1,2-Dichloroethane	BDL	0.00610		mg/kg dry	1	1045188	10/27/2010 6:07:00PM
1,2-Dichloropropane	BDL	0.00610		mg/kg dry	1	1045188	10/27/2010 6:07:00PM
1,3-Dichloropropane	BDL	0.00610		mg/kg dry	1	1045188	10/27/2010 6:07:00PM
2,2-Dichloropropane	BDL	0.00610		mg/kg dry	1	1045188	10/27/2010 6:07:00PM
2-Butanone	BDL	0.0244		mg/kg dry	1	1045188	10/27/2010 6:07:00PM
2-Chlorotoluene	BDL	0.00610		mg/kg dry	1	1045188	10/27/2010 6:07:00PM
2-Hexanone	BDL	0.0244		mg/kg dry	1	1045188	10/27/2010 6:07:00PM
4-Chlorotoluene	BDL	0.00610		mg/kg dry	1	1045188	10/27/2010 6:07:00PM
4-Methyl-2-pentanone	BDL	0.0244		mg/kg dry	1	1045188	10/27/2010 6:07:00PM
<b>Acetone</b>	<b>0.249</b>	0.0647		mg/kg dry	1.06	1045188	10/27/2010 11:25:00AM
Acetonitrile	BDL	0.0488		mg/kg dry	1	1045188	10/27/2010 6:07:00PM
Acrolein	BDL	0.0244		mg/kg dry	1	1045188	10/27/2010 6:07:00PM
Acrylonitrile	BDL	0.0244		mg/kg dry	1	1045188	10/27/2010 6:07:00PM
Allyl chloride	BDL	0.0122		mg/kg dry	1	1045188	10/27/2010 6:07:00PM
Benzene	BDL	0.00610		mg/kg dry	1	1045188	10/27/2010 6:07:00PM
Bromobenzene	BDL	0.00610		mg/kg dry	1	1045188	10/27/2010 6:07:00PM
Bromochloromethane	BDL	0.00610		mg/kg dry	1	1045188	10/27/2010 6:07:00PM
Bromodichloromethane	BDL	0.00610		mg/kg dry	1	1045188	10/27/2010 6:07:00PM
Bromoform	BDL	0.00610		mg/kg dry	1	1045188	10/27/2010 6:07:00PM
Bromomethane	BDL	0.00610		mg/kg dry	1	1045188	10/27/2010 6:07:00PM
Carbon Disulfide	BDL	0.0244		mg/kg dry	1	1045188	10/27/2010 6:07:00PM
Carbon Tetrachloride	BDL	0.00610		mg/kg dry	1	1045188	10/27/2010 6:07:00PM

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

**Lab Order:** 10J0915

**Lab ID:** 10J0915-16  
**Client Sample ID:** B-10 (13.5-14.5)

**Collection Date:** 10/14/2010 9:45:00AM  
**Matrix:** Soil

Analysis	Result	PQL	Qual	Units	Dilution	Batch	Date Analyzed
Chlorobenzene	BDL	0.00610		mg/kg dry	1	1045188	10/27/2010 6:07:00PM
Chloroethane	BDL	0.00610		mg/kg dry	1	1045188	10/27/2010 6:07:00PM
Chloroform	BDL	0.00610		mg/kg dry	1	1045188	10/27/2010 6:07:00PM
Chloromethane	BDL	0.00610		mg/kg dry	1	1045188	10/27/2010 6:07:00PM
cis-1,2-Dichloroethene	BDL	0.00610		mg/kg dry	1	1045188	10/27/2010 6:07:00PM
cis-1,3-Dichloropropene	BDL	0.00610		mg/kg dry	1	1045188	10/27/2010 6:07:00PM
Dibromochloromethane	BDL	0.00610		mg/kg dry	1	1045188	10/27/2010 6:07:00PM
Dibromomethane	BDL	0.00610		mg/kg dry	1	1045188	10/27/2010 6:07:00PM
Dichlorodifluoromethane	BDL	0.00610		mg/kg dry	1	1045188	10/27/2010 6:07:00PM
Ethylbenzene	BDL	0.00610		mg/kg dry	1	1045188	10/27/2010 6:07:00PM
Iodomethane	BDL	0.0122		mg/kg dry	1	1045188	10/27/2010 6:07:00PM
<b>Methylene Chloride</b>	<b>0.0109</b>	0.00610	O-01, B	mg/kg dry	1	1045188	10/27/2010 6:07:00PM
Methyl tert-Butyl Ether	BDL	0.0122		mg/kg dry	1	1045188	10/27/2010 6:07:00PM
m,p-Xylene	BDL	0.0122		mg/kg dry	1	1045188	10/27/2010 6:07:00PM
n-Hexane	BDL	0.00610		mg/kg dry	1	1045188	10/27/2010 6:07:00PM
o-Xylene	BDL	0.00610		mg/kg dry	1	1045188	10/27/2010 6:07:00PM
Styrene	BDL	0.00610		mg/kg dry	1	1045188	10/27/2010 6:07:00PM
Tetrachloroethene	BDL	0.00610		mg/kg dry	1	1045188	10/27/2010 6:07:00PM
Toluene	BDL	0.00610		mg/kg dry	1	1045188	10/27/2010 6:07:00PM
trans-1,2-Dichloroethene	BDL	0.00610		mg/kg dry	1	1045188	10/27/2010 6:07:00PM
trans-1,3-Dichloropropene	BDL	0.00610		mg/kg dry	1	1045188	10/27/2010 6:07:00PM
Trichloroethene	BDL	0.00610		mg/kg dry	1	1045188	10/27/2010 6:07:00PM
Trichlorofluoromethane	BDL	0.00610		mg/kg dry	1	1045188	10/27/2010 6:07:00PM
Vinyl Chloride	BDL	0.00610		mg/kg dry	1	1045188	10/27/2010 6:07:00PM
Vinyl acetate	BDL	0.0122		mg/kg dry	1	1045188	10/27/2010 6:07:00PM

<i>Surrogate: 4-Bromofluorobenzene</i>		119 %		41-140	1045188	10/27/2010 6:07:00PM
<i>Surrogate: Dibromofluoromethane</i>		137 %	S	33-129	1045188	10/27/2010 6:07:00PM
<i>Surrogate: Toluene-d8</i>		129 %		44-130	1045188	10/27/2010 6:07:00PM
<i>Surrogate: 1,2-Dichloroethane-d4</i>		132 %	S	31-123	1045188	10/27/2010 6:07:00PM

**PMOIST** **D 2216** **Analyst: AD**  
**Percent Moisture** **18.0** % by Weight 1 1045103 11/1/2010 12:00:00PM

**PAH\_FULL\_8270** **SW 8270C** **Analyst: mbg**

2-Methylnaphthalene	BDL	0.122		mg/kg dry	1	1044006	10/26/2010 1:30:00AM
Acenaphthene	BDL	0.122		mg/kg dry	1	1044006	10/26/2010 1:30:00AM
Acenaphthylene	BDL	0.122		mg/kg dry	1	1044006	10/26/2010 1:30:00AM
Anthracene	BDL	0.122		mg/kg dry	1	1044006	10/26/2010 1:30:00AM
Benz(a)anthracene	BDL	0.122		mg/kg dry	1	1044006	10/26/2010 1:30:00AM
Benzo(a)pyrene	BDL	0.122		mg/kg dry	1	1044006	10/26/2010 1:30:00AM
Benzo(b)fluoranthene	BDL	0.122		mg/kg dry	1	1044006	10/26/2010 1:30:00AM
Benzo(g,h,i)perylene	BDL	0.122		mg/kg dry	1	1044006	10/26/2010 1:30:00AM
Benzo(k)fluoranthene	BDL	0.122		mg/kg dry	1	1044006	10/26/2010 1:30:00AM
Chrysene	BDL	0.122		mg/kg dry	1	1044006	10/26/2010 1:30:00AM



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

**Lab Order:** 10J0915

**Lab ID:** 10J0915-16  
**Client Sample ID:** B-10 (13.5-14.5)

**Collection Date:** 10/14/2010 9:45:00AM  
**Matrix:** Soil

Analysis	Result	PQL	Qual	Units	Dilution	Batch	Date Analyzed
Dibenz(a,h)anthracene	BDL	0.122		mg/kg dry	1	1044006	10/26/2010 1:30:00AM
Fluoranthene	BDL	0.122		mg/kg dry	1	1044006	10/26/2010 1:30:00AM
Fluorene	BDL	0.122		mg/kg dry	1	1044006	10/26/2010 1:30:00AM
Indeno(1,2,3-cd)pyrene	BDL	0.122		mg/kg dry	1	1044006	10/26/2010 1:30:00AM
Naphthalene	BDL	0.122		mg/kg dry	1	1044006	10/26/2010 1:30:00AM
Phenanthrene	BDL	0.122		mg/kg dry	1	1044006	10/26/2010 1:30:00AM
Pyrene	BDL	0.122		mg/kg dry	1	1044006	10/26/2010 1:30:00AM
<i>Surrogate: Nitrobenzene-d5</i>		<i>21.8 %</i>	<i>S-04</i>	<i>51-126</i>		<i>1044006</i>	<i>10/26/2010 1:30:00AM</i>
<i>Surrogate: 2-Fluorobiphenyl</i>		<i>99.7 %</i>		<i>56-121</i>		<i>1044006</i>	<i>10/26/2010 1:30:00AM</i>
<i>Surrogate: Terphenyl-d14</i>		<i>146 %</i>	<i>S-04</i>	<i>40-140</i>		<i>1044006</i>	<i>10/26/2010 1:30:00AM</i>

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

Lab Order: 10J0915

Lab ID: 10J0915-17  
 Client Sample ID: B-11 (0-2)

Collection Date: 10/14/2010 11:00:00AM  
 Matrix: Soil

Analysis	Result	PQL	Qual	Units	Dilution	Batch	Date Analyzed
<b>TPH C10-34</b>	<b>SW 8015</b>						<b>Analyst: MBG</b>
C10 to C20	411	12.3		mg/kg dry	1	1043253	11/3/2010 1:25:00AM
C20 to C34	2280	615		mg/kg dry	1	1043253	11/3/2010 1:25:00AM
<i>Surrogate: o-Terphenyl</i>		47.0 %	S-04	48-115		1043253	11/3/2010 1:25:00AM
<b>TPH GRO C6-C12</b>	<b>SW 8015</b>						<b>Analyst: EH</b>
Gasoline Range Organics, C6 - C12	23.1	9.87		mg/kg dry	1.6036	1043273	10/22/2010 4:54:00AM
<i>Surrogate: a,a,a-Trifluorotoluene</i>		81.0 %		60-155		1043273	10/22/2010 4:54:00AM
<b>ICP_Ag</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>
Silver	BDL	1.23		mg/kg dry	1	1045021	11/1/2010 7:30:17PM
<b>ICP_AI</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>
Aluminum	2270	12.3		mg/kg dry	1	1045021	11/1/2010 7:30:17PM
<b>ICP_As</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>
Arsenic	4.92	1.23		mg/kg dry	1	1045021	11/1/2010 7:30:17PM
<b>ICP_Ba</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>
Barium	17.8	1.23		mg/kg dry	1	1045021	11/1/2010 7:30:17PM
<b>ICP_Be</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>
Beryllium	BDL	0.615		mg/kg dry	1	1045021	11/1/2010 7:30:17PM
<b>ICP_Cd</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>
Cadmium	0.393	0.123		mg/kg dry	1	1045021	11/1/2010 7:30:17PM
<b>ICP_Co</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>
Cobalt	2.25	1.23		mg/kg dry	1	1045021	11/1/2010 7:30:17PM
<b>ICP_Cr</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>
Chromium	7.19	1.23		mg/kg dry	1	1045021	11/1/2010 7:30:17PM
<b>ICP_Ni</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>
Nickel	7.72	1.23		mg/kg dry	1	1045021	11/1/2010 7:30:17PM
<b>ICP_Pb</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>
Lead	3.72	1.23		mg/kg dry	1	1045021	11/1/2010 7:30:17PM
<b>ICP_Sb</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>
Antimony	BDL	1.23		mg/kg dry	1	1045021	11/1/2010 7:30:17PM
<b>ICP_Se</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>

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

**Lab Order:** 10J0915

**Lab ID:** 10J0915-17  
**Client Sample ID:** B-11 (0-2)

**Collection Date:** 10/14/2010 11:00:00AM  
**Matrix:** Soil

Analysis	Result	PQL	Qual	Units	Dilution	Batch	Date Analyzed
Selenium	BDL	6.15		mg/kg dry	1	1045021	11/1/2010 7:30:17PM
<b>ICP_Tl</b>		<b>SW 6010B</b>		<b>Analyst: RJE</b>			
Thallium	BDL	6.15		mg/kg dry	1	1045021	11/1/2010 7:30:17PM
<b>ICP_V</b>		<b>SW 6010B</b>		<b>Analyst: RJE</b>			
Vanadium	22.7	1.23		mg/kg dry	1	1045021	11/1/2010 7:30:17PM
<b>ICP_Zn</b>		<b>SW 6010B</b>		<b>Analyst: RJE</b>			
Zinc	19.2	6.15		mg/kg dry	1	1045021	11/1/2010 7:30:17PM
<b>HG</b>		<b>SW 7471</b>		<b>Analyst: RJE</b>			
Mercury	BDL	0.115		mg/kg dry	1	1045007	11/1/2010 3:03:00PM
<b>VOC 8260</b>		<b>SW 8260A</b>		<b>Analyst: KDS</b>			
1,1,1,2-Tetrachloroethane	BDL	0.00603		mg/kg dry	0.98	1045188	10/27/2010 8:23:00PM
1,1,1-Trichloroethane	BDL	0.00603		mg/kg dry	0.98	1045188	10/27/2010 8:23:00PM
1,1,2,2-Tetrachloroethane	BDL	0.00603		mg/kg dry	0.98	1045188	10/27/2010 8:23:00PM
1,1,2-Trichloroethane	BDL	0.00603		mg/kg dry	0.98	1045188	10/27/2010 8:23:00PM
1,1-Dichloroethane	BDL	0.00603		mg/kg dry	0.98	1045188	10/27/2010 8:23:00PM
1,1-Dichloroethene	BDL	0.00603		mg/kg dry	0.98	1045188	10/27/2010 8:23:00PM
1,1-Dichloropropene	BDL	0.00603		mg/kg dry	0.98	1045188	10/27/2010 8:23:00PM
1,2-Dibromoethane	BDL	0.00603		mg/kg dry	0.98	1045188	10/27/2010 8:23:00PM
1,2-Dichloroethane	BDL	0.00603		mg/kg dry	0.98	1045188	10/27/2010 8:23:00PM
1,2-Dichloropropane	BDL	0.00603		mg/kg dry	0.98	1045188	10/27/2010 8:23:00PM
1,3-Dichloropropane	BDL	0.00603		mg/kg dry	0.98	1045188	10/27/2010 8:23:00PM
2,2-Dichloropropane	BDL	0.00603		mg/kg dry	0.98	1045188	10/27/2010 8:23:00PM
2-Butanone	BDL	0.0241		mg/kg dry	0.98	1045188	10/27/2010 8:23:00PM
2-Chlorotoluene	BDL	0.00603		mg/kg dry	0.98	1045188	10/27/2010 8:23:00PM
2-Hexanone	BDL	0.0241		mg/kg dry	0.98	1045188	10/27/2010 8:23:00PM
4-Chlorotoluene	BDL	0.00603		mg/kg dry	0.98	1045188	10/27/2010 8:23:00PM
4-Methyl-2-pentanone	BDL	0.0241		mg/kg dry	0.98	1045188	10/27/2010 8:23:00PM
Acetone	BDL	0.0603		mg/kg dry	0.98	1045188	10/27/2010 8:23:00PM
Acetonitrile	BDL	0.0482		mg/kg dry	0.98	1045188	10/27/2010 8:23:00PM
Acrolein	BDL	0.0241		mg/kg dry	0.98	1045188	10/27/2010 8:23:00PM
Acrylonitrile	BDL	0.0241		mg/kg dry	0.98	1045188	10/27/2010 8:23:00PM
Allyl chloride	BDL	0.0121		mg/kg dry	0.98	1045188	10/27/2010 8:23:00PM
Benzene	BDL	0.00603		mg/kg dry	0.98	1045188	10/27/2010 8:23:00PM
Bromobenzene	BDL	0.00603		mg/kg dry	0.98	1045188	10/27/2010 8:23:00PM
Bromochloromethane	BDL	0.00603		mg/kg dry	0.98	1045188	10/27/2010 8:23:00PM
Bromodichloromethane	BDL	0.00603		mg/kg dry	0.98	1045188	10/27/2010 8:23:00PM
Bromoform	BDL	0.00603		mg/kg dry	0.98	1045188	10/27/2010 8:23:00PM
Bromomethane	BDL	0.00603		mg/kg dry	0.98	1045188	10/27/2010 8:23:00PM
Carbon Disulfide	BDL	0.0241		mg/kg dry	0.98	1045188	10/27/2010 8:23:00PM
Carbon Tetrachloride	BDL	0.00603		mg/kg dry	0.98	1045188	10/27/2010 8:23:00PM

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

**Lab Order:** 10J0915

**Lab ID:** 10J0915-17  
**Client Sample ID:** B-11 (0-2)

**Collection Date:** 10/14/2010 11:00:00AM  
**Matrix:** Soil

Analysis	Result	PQL	Qual	Units	Dilution	Batch	Date Analyzed
Chlorobenzene	BDL	0.00603		mg/kg dry	0.98	1045188	10/27/2010 8:23:00PM
Chloroethane	BDL	0.00603		mg/kg dry	0.98	1045188	10/27/2010 8:23:00PM
Chloroform	BDL	0.00603		mg/kg dry	0.98	1045188	10/27/2010 8:23:00PM
Chloromethane	BDL	0.00603		mg/kg dry	0.98	1045188	10/27/2010 8:23:00PM
cis-1,2-Dichloroethene	BDL	0.00603		mg/kg dry	0.98	1045188	10/27/2010 8:23:00PM
cis-1,3-Dichloropropene	BDL	0.00603		mg/kg dry	0.98	1045188	10/27/2010 8:23:00PM
Dibromochloromethane	BDL	0.00603		mg/kg dry	0.98	1045188	10/27/2010 8:23:00PM
Dibromomethane	BDL	0.00603		mg/kg dry	0.98	1045188	10/27/2010 8:23:00PM
Dichlorodifluoromethane	BDL	0.00603		mg/kg dry	0.98	1045188	10/27/2010 8:23:00PM
Ethylbenzene	BDL	0.00603		mg/kg dry	0.98	1045188	10/27/2010 8:23:00PM
Iodomethane	BDL	0.0121		mg/kg dry	0.98	1045188	10/27/2010 8:23:00PM
<b>Methylene Chloride</b>	<b>0.0130</b>	0.00603	O-01, B	mg/kg dry	0.98	1045188	10/27/2010 8:23:00PM
Methyl tert-Butyl Ether	BDL	0.0121		mg/kg dry	0.98	1045188	10/27/2010 8:23:00PM
m,p-Xylene	BDL	0.0121		mg/kg dry	0.98	1045188	10/27/2010 8:23:00PM
n-Hexane	BDL	0.00603		mg/kg dry	0.98	1045188	10/27/2010 8:23:00PM
<b>o-Xylene</b>	<b>0.00680</b>	0.00603		mg/kg dry	0.98	1045188	10/27/2010 8:23:00PM
Styrene	BDL	0.00603		mg/kg dry	0.98	1045188	10/27/2010 8:23:00PM
Tetrachloroethene	BDL	0.00603		mg/kg dry	0.98	1045188	10/27/2010 8:23:00PM
Toluene	BDL	0.00603		mg/kg dry	0.98	1045188	10/27/2010 8:23:00PM
trans-1,2-Dichloroethene	BDL	0.00603		mg/kg dry	0.98	1045188	10/27/2010 8:23:00PM
trans-1,3-Dichloropropene	BDL	0.00603		mg/kg dry	0.98	1045188	10/27/2010 8:23:00PM
Trichloroethene	BDL	0.00603		mg/kg dry	0.98	1045188	10/27/2010 8:23:00PM
Trichlorofluoromethane	BDL	0.00603		mg/kg dry	0.98	1045188	10/27/2010 8:23:00PM
Vinyl Chloride	BDL	0.00603		mg/kg dry	0.98	1045188	10/27/2010 8:23:00PM
Vinyl acetate	BDL	0.0121		mg/kg dry	0.98	1045188	10/27/2010 8:23:00PM

<i>Surrogate: 4-Bromofluorobenzene</i>	73.6 %	41-140	1045188	10/27/2010 8:23:00PM
<i>Surrogate: Dibromofluoromethane</i>	103 %	33-129	1045188	10/27/2010 8:23:00PM
<i>Surrogate: Toluene-d8</i>	87.6 %	44-130	1045188	10/27/2010 8:23:00PM
<i>Surrogate: 1,2-Dichloroethane-d4</i>	114 %	31-123	1045188	10/27/2010 8:23:00PM

**PMOIST** **D 2216** **Analyst: AD**  
**Percent Moisture** **18.7** % by Weight 1 1045103 11/1/2010 12:00:00PM

**PAH\_FULL\_8270** **SW 8270C** **Analyst: mbg**

2-Methylnaphthalene	BDL	1.23	mg/kg dry	10	1044006	10/26/2010 5:19:00AM
Acenaphthene	BDL	1.23	mg/kg dry	10	1044006	10/26/2010 5:19:00AM
Acenaphthylene	BDL	1.23	mg/kg dry	10	1044006	10/26/2010 5:19:00AM
Anthracene	BDL	1.23	mg/kg dry	10	1044006	10/26/2010 5:19:00AM
Benz(a)anthracene	BDL	1.23	mg/kg dry	10	1044006	10/26/2010 5:19:00AM
Benzo(a)pyrene	BDL	1.23	mg/kg dry	10	1044006	10/26/2010 5:19:00AM
Benzo(b)fluoranthene	BDL	1.23	mg/kg dry	10	1044006	10/26/2010 5:19:00AM
Benzo(g,h,i)perylene	BDL	1.23	mg/kg dry	10	1044006	10/26/2010 5:19:00AM
Benzo(k)fluoranthene	BDL	1.23	mg/kg dry	10	1044006	10/26/2010 5:19:00AM
Chrysene	BDL	1.23	mg/kg dry	10	1044006	10/26/2010 5:19:00AM

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

**Lab Order:** 10J0915

**Lab ID:** 10J0915-17  
**Client Sample ID:** B-11 (0-2)

**Collection Date:** 10/14/2010 11:00:00AM  
**Matrix:** Soil

Analysis	Result	PQL	Qual	Units	Dilution	Batch	Date Analyzed
Dibenz(a,h)anthracene	BDL	1.23		mg/kg dry	10	1044006	10/26/2010 5:19:00AM
Fluoranthene	BDL	1.23		mg/kg dry	10	1044006	10/26/2010 5:19:00AM
Fluorene	BDL	1.23		mg/kg dry	10	1044006	10/26/2010 5:19:00AM
Indeno(1,2,3-cd)pyrene	BDL	1.23		mg/kg dry	10	1044006	10/26/2010 5:19:00AM
Naphthalene	BDL	1.23		mg/kg dry	10	1044006	10/26/2010 5:19:00AM
Phenanthrene	BDL	1.23		mg/kg dry	10	1044006	10/26/2010 5:19:00AM
Pyrene	BDL	1.23		mg/kg dry	10	1044006	10/26/2010 5:19:00AM
<i>Surrogate: Nitrobenzene-d5</i>		<i>16.5 %</i>	<i>S-04</i>	<i>51-126</i>		<i>1044006</i>	<i>10/26/2010 5:19:00AM</i>
<i>Surrogate: 2-Fluorobiphenyl</i>		<i>76.2 %</i>		<i>56-121</i>		<i>1044006</i>	<i>10/26/2010 5:19:00AM</i>
<i>Surrogate: Terphenyl-d14</i>		<i>112 %</i>		<i>40-140</i>		<i>1044006</i>	<i>10/26/2010 5:19:00AM</i>

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

Lab Order: 10J0915

Lab ID: 10J0915-18  
 Client Sample ID: B-11 (5-5.5)

Collection Date: 10/14/2010 12:00:00PM  
 Matrix: Soil

Analysis	Result	PQL	Qual	Units	Dilution	Batch	Date Analyzed
<b>TPH C10-34</b>	<b>SW 8015</b>						<b>Analyst: MBG</b>
C10 to C20	1030	126	D	mg/kg dry	10	1043253	11/3/2010 7:03:00PM
C20 to C34	BDL	6300		mg/kg dry	10	1043253	11/3/2010 7:03:00PM
<i>Surrogate: o-Terphenyl</i>		%	S-04	48-115		1043253	11/3/2010 7:03:00PM
<b>TPH GRO C6-C12</b>	<b>SW 8015</b>						<b>Analyst: EH</b>
Gasoline Range Organics, C6 - C12	BDL	9.43		mg/kg dry	1.4979	1044057	10/25/2010 11:37:00PM
<i>Surrogate: a,a,a-Trifluorotoluene</i>		98.0 %		60-155		1044057	10/25/2010 11:37:00PM
<b>ICP_Ag</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>
Silver	BDL	1.26		mg/kg dry	1	1045021	11/1/2010 7:43:51PM
<b>ICP_AI</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>
Aluminum	509	12.6		mg/kg dry	1	1045021	11/1/2010 7:43:51PM
<b>ICP_As</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>
Arsenic	12.8	1.26		mg/kg dry	1	1045021	11/1/2010 7:43:51PM
<b>ICP_Ba</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>
Barium	110	1.26		mg/kg dry	1	1045021	11/1/2010 7:43:51PM
<b>ICP_Be</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>
Beryllium	BDL	0.630		mg/kg dry	1	1045021	11/1/2010 7:43:51PM
<b>ICP_Cd</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>
Cadmium	1.30	0.126		mg/kg dry	1	1045021	11/1/2010 7:43:51PM
<b>ICP_Co</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>
Cobalt	BDL	1.26		mg/kg dry	1	1045021	11/1/2010 7:43:51PM
<b>ICP_Cr</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>
Chromium	6.53	1.26		mg/kg dry	1	1045021	11/1/2010 7:43:51PM
<b>ICP_Ni</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>
Nickel	BDL	1.26		mg/kg dry	1	1045021	11/1/2010 7:43:51PM
<b>ICP_Pb</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>
Lead	5.98	1.26		mg/kg dry	1	1045021	11/1/2010 7:43:51PM
<b>ICP_Sb</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>
Antimony	BDL	1.26		mg/kg dry	1	1045021	11/1/2010 7:43:51PM
<b>ICP_Se</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>

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

**Lab Order:** 10J0915

**Lab ID:** 10J0915-18  
**Client Sample ID:** B-11 (5-5.5)

**Collection Date:** 10/14/2010 12:00:00PM  
**Matrix:** Soil

Analysis	Result	PQL	Qual	Units	Dilution	Batch	Date Analyzed
Selenium	BDL	6.30		mg/kg dry	1	1045021	11/1/2010 7:43:51PM
<b>ICP_Tl</b>		<b>SW 6010B</b>		<b>Analyst: RJE</b>			
Thallium	BDL	6.30		mg/kg dry	1	1045021	11/1/2010 7:43:51PM
<b>ICP_V</b>		<b>SW 6010B</b>		<b>Analyst: RJE</b>			
Vanadium	7.06	1.26		mg/kg dry	1	1045021	11/1/2010 7:43:51PM
<b>ICP_Zn</b>		<b>SW 6010B</b>		<b>Analyst: RJE</b>			
Zinc	BDL	6.30		mg/kg dry	1	1045021	11/1/2010 7:43:51PM
<b>HG</b>		<b>SW 7471</b>		<b>Analyst: RJE</b>			
Mercury	BDL	0.122		mg/kg dry	1	1045007	11/1/2010 3:03:00PM
<b>VOC 8260</b>		<b>SW 8260A</b>		<b>Analyst: KDS</b>			
1,1,1,2-Tetrachloroethane	BDL	0.0103		mg/kg dry	1.64	1045188	10/27/2010 8:57:00PM
1,1,1-Trichloroethane	BDL	0.0103		mg/kg dry	1.64	1045188	10/27/2010 8:57:00PM
1,1,2,2-Tetrachloroethane	BDL	0.0103		mg/kg dry	1.64	1045188	10/27/2010 8:57:00PM
1,1,2-Trichloroethane	BDL	0.0103		mg/kg dry	1.64	1045188	10/27/2010 8:57:00PM
1,1-Dichloroethane	BDL	0.0103		mg/kg dry	1.64	1045188	10/27/2010 8:57:00PM
1,1-Dichloroethene	BDL	0.0103		mg/kg dry	1.64	1045188	10/27/2010 8:57:00PM
1,1-Dichloropropene	BDL	0.0103		mg/kg dry	1.64	1045188	10/27/2010 8:57:00PM
1,2-Dibromoethane	BDL	0.0103		mg/kg dry	1.64	1045188	10/27/2010 8:57:00PM
1,2-Dichloroethane	BDL	0.0103		mg/kg dry	1.64	1045188	10/27/2010 8:57:00PM
1,2-Dichloropropane	BDL	0.0103		mg/kg dry	1.64	1045188	10/27/2010 8:57:00PM
1,3-Dichloropropane	BDL	0.0103		mg/kg dry	1.64	1045188	10/27/2010 8:57:00PM
2,2-Dichloropropane	BDL	0.0103		mg/kg dry	1.64	1045188	10/27/2010 8:57:00PM
2-Butanone	BDL	0.0413		mg/kg dry	1.64	1045188	10/27/2010 8:57:00PM
2-Chlorotoluene	BDL	0.0103		mg/kg dry	1.64	1045188	10/27/2010 8:57:00PM
2-Hexanone	BDL	0.0413		mg/kg dry	1.64	1045188	10/27/2010 8:57:00PM
4-Chlorotoluene	BDL	0.0103		mg/kg dry	1.64	1045188	10/27/2010 8:57:00PM
4-Methyl-2-pentanone	BDL	0.0413		mg/kg dry	1.64	1045188	10/27/2010 8:57:00PM
<b>Acetone</b>	<b>0.143</b>	0.103		mg/kg dry	1.64	1045188	10/27/2010 8:57:00PM
Acetonitrile	BDL	0.0826		mg/kg dry	1.64	1045188	10/27/2010 8:57:00PM
Acrolein	BDL	0.0413		mg/kg dry	1.64	1045188	10/27/2010 8:57:00PM
Acrylonitrile	BDL	0.0413		mg/kg dry	1.64	1045188	10/27/2010 8:57:00PM
Allyl chloride	BDL	0.0207		mg/kg dry	1.64	1045188	10/27/2010 8:57:00PM
<b>Benzene</b>	<b>0.100</b>	0.0103		mg/kg dry	1.64	1045188	10/27/2010 8:57:00PM
Bromobenzene	BDL	0.0103		mg/kg dry	1.64	1045188	10/27/2010 8:57:00PM
Bromochloromethane	BDL	0.0103		mg/kg dry	1.64	1045188	10/27/2010 8:57:00PM
Bromodichloromethane	BDL	0.0103		mg/kg dry	1.64	1045188	10/27/2010 8:57:00PM
Bromoform	BDL	0.0103		mg/kg dry	1.64	1045188	10/27/2010 8:57:00PM
Bromomethane	BDL	0.0103		mg/kg dry	1.64	1045188	10/27/2010 8:57:00PM
Carbon Disulfide	BDL	0.0413		mg/kg dry	1.64	1045188	10/27/2010 8:57:00PM
Carbon Tetrachloride	BDL	0.0103		mg/kg dry	1.64	1045188	10/27/2010 8:57:00PM

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

Lab Order: 10J0915

Lab ID: 10J0915-18  
 Client Sample ID: B-11 (5-5.5)

Collection Date: 10/14/2010 12:00:00PM  
 Matrix: Soil

Analysis	Result	PQL	Qual	Units	Dilution	Batch	Date Analyzed
Chlorobenzene	BDL	0.0103		mg/kg dry	1.64	1045188	10/27/2010 8:57:00PM
Chloroethane	BDL	0.0103		mg/kg dry	1.64	1045188	10/27/2010 8:57:00PM
Chloroform	BDL	0.0103		mg/kg dry	1.64	1045188	10/27/2010 8:57:00PM
Chloromethane	BDL	0.0103		mg/kg dry	1.64	1045188	10/27/2010 8:57:00PM
cis-1,2-Dichloroethene	BDL	0.0103		mg/kg dry	1.64	1045188	10/27/2010 8:57:00PM
cis-1,3-Dichloropropene	BDL	0.0103		mg/kg dry	1.64	1045188	10/27/2010 8:57:00PM
Dibromochloromethane	BDL	0.0103		mg/kg dry	1.64	1045188	10/27/2010 8:57:00PM
Dibromomethane	BDL	0.0103		mg/kg dry	1.64	1045188	10/27/2010 8:57:00PM
Dichlorodifluoromethane	BDL	0.0103		mg/kg dry	1.64	1045188	10/27/2010 8:57:00PM
Ethylbenzene	BDL	0.0201		mg/kg dry	3.19	1045188	10/28/2010 11:46:00AM
Iodomethane	BDL	0.0207		mg/kg dry	1.64	1045188	10/27/2010 8:57:00PM
Methylene Chloride	BDL	0.0103		mg/kg dry	1.64	1045188	10/27/2010 8:57:00PM
Methyl tert-Butyl Ether	BDL	0.0207		mg/kg dry	1.64	1045188	10/27/2010 8:57:00PM
m,p-Xylene	BDL	0.0402		mg/kg dry	3.19	1045188	10/28/2010 11:46:00AM
<b>n-Hexane</b>	<b>0.0153</b>	0.0103		mg/kg dry	1.64	1045188	10/27/2010 8:57:00PM
o-Xylene	BDL	0.0201		mg/kg dry	3.19	1045188	10/28/2010 11:46:00AM
Styrene	BDL	0.0103		mg/kg dry	1.64	1045188	10/27/2010 8:57:00PM
Tetrachloroethene	BDL	0.0103		mg/kg dry	1.64	1045188	10/27/2010 8:57:00PM
<b>Toluene</b>	<b>0.204</b>	0.0103		mg/kg dry	1.64	1045188	10/27/2010 8:57:00PM
trans-1,2-Dichloroethene	BDL	0.0103		mg/kg dry	1.64	1045188	10/27/2010 8:57:00PM
trans-1,3-Dichloropropene	BDL	0.0103		mg/kg dry	1.64	1045188	10/27/2010 8:57:00PM
Trichloroethene	BDL	0.0103		mg/kg dry	1.64	1045188	10/27/2010 8:57:00PM
Trichlorofluoromethane	BDL	0.0103		mg/kg dry	1.64	1045188	10/27/2010 8:57:00PM
Vinyl Chloride	BDL	0.0103		mg/kg dry	1.64	1045188	10/27/2010 8:57:00PM
Vinyl acetate	BDL	0.0207		mg/kg dry	1.64	1045188	10/27/2010 8:57:00PM

Surrogate: 4-Bromofluorobenzene	45.3 %	41-140	1045188	10/27/2010 8:57:00PM
Surrogate: Dibromofluoromethane	81.7 %	33-129	1045188	10/27/2010 8:57:00PM
Surrogate: Toluene-d8	75.4 %	44-130	1045188	10/27/2010 8:57:00PM
Surrogate: 1,2-Dichloroethane-d4	67.8 %	31-123	1045188	10/27/2010 8:57:00PM

**PMOIST** **D 2216** **Analyst: AD**  
 Percent Moisture **20.6** % by Weight 1 1045103 11/1/2010 12:00:00PM

**PAH\_FULL\_8270** **SW 8270C** **Analyst: mbg**

<b>2-Methylnaphthalene</b>	<b>11.9</b>	2.52	mg/kg dry	20	1044006	11/1/2010 7:43:00PM
Acenaphthene	BDL	0.126	mg/kg dry	1	1044006	10/26/2010 3:24:00AM
Acenaphthylene	BDL	0.126	mg/kg dry	1	1044006	10/26/2010 3:24:00AM
<b>Anthracene</b>	<b>3.96</b>	0.126	mg/kg dry	1	1044006	10/26/2010 3:24:00AM
<b>Benz(a)anthracene</b>	<b>0.174</b>	0.126	mg/kg dry	1	1044006	10/26/2010 3:24:00AM
Benzo(a)pyrene	BDL	0.126	mg/kg dry	1	1044006	10/26/2010 3:24:00AM
Benzo(b)fluoranthene	BDL	0.126	mg/kg dry	1	1044006	10/26/2010 3:24:00AM
Benzo(g,h,i)perylene	BDL	0.126	mg/kg dry	1	1044006	10/26/2010 3:24:00AM
Benzo(k)fluoranthene	BDL	0.126	mg/kg dry	1	1044006	10/26/2010 3:24:00AM
<b>Chrysene</b>	<b>0.501</b>	0.126	mg/kg dry	1	1044006	10/26/2010 3:24:00AM



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

Lab Order: 10J0915

Lab ID: 10J0915-18  
 Client Sample ID: B-11 (5-5.5)

Collection Date: 10/14/2010 12:00:00PM  
 Matrix: Soil

Analysis	Result	PQL	Qual	Units	Dilution	Batch	Date Analyzed
Dibenz(a,h)anthracene	BDL	0.126		mg/kg dry	1	1044006	10/26/2010 3:24:00AM
<b>Fluoranthene</b>	<b>0.405</b>	0.126		mg/kg dry	1	1044006	10/26/2010 3:24:00AM
Fluorene	BDL	0.126		mg/kg dry	1	1044006	10/26/2010 3:24:00AM
Indeno(1,2,3-cd)pyrene	BDL	0.126		mg/kg dry	1	1044006	10/26/2010 3:24:00AM
<b>Naphthalene</b>	<b>13.6</b>	2.52		mg/kg dry	20	1044006	11/1/2010 7:43:00PM
<b>Phenanthrene</b>	<b>5.16</b>	2.52		mg/kg dry	20	1044006	11/1/2010 7:43:00PM
<b>Pyrene</b>	<b>0.397</b>	0.126		mg/kg dry	1	1044006	10/26/2010 3:24:00AM
<i>Surrogate: Nitrobenzene-d5</i>		<i>1.02 %</i>	<i>S-04</i>	<i>51-126</i>		<i>1044006</i>	<i>10/26/2010 3:24:00AM</i>
<i>Surrogate: 2-Fluorobiphenyl</i>		<i>97.7 %</i>		<i>56-121</i>		<i>1044006</i>	<i>10/26/2010 3:24:00AM</i>
<i>Surrogate: Terphenyl-d14</i>		<i>110 %</i>		<i>40-140</i>		<i>1044006</i>	<i>10/26/2010 3:24:00AM</i>

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

Lab Order: 10J0915

Lab ID: 10J0915-19  
 Client Sample ID: B-8 (0-2)

Collection Date: 10/14/2010 3:00:00PM  
 Matrix: Soil

Analysis	Result	PQL	Qual	Units	Dilution	Batch	Date Analyzed
<b>TPH C10-34</b>	<b>SW 8015</b>						<b>Analyst: MBG</b>
C10 to C20	178	10.3		mg/kg dry	1	1043253	11/3/2010 1:53:00AM
C20 to C34	1920	516		mg/kg dry	1	1043253	11/3/2010 1:53:00AM
<i>Surrogate: o-Terphenyl</i>		58.4 %		48-115		1043253	11/3/2010 1:53:00AM
<b>TPH GRO C6-C12</b>	<b>SW 8015</b>						<b>Analyst: EH</b>
Gasoline Range Organics, C6 - C12	BDL	4.98		mg/kg dry	0.9652	1044155	10/26/2010 2:01:00PM
<i>Surrogate: a,a,a-Trifluorotoluene</i>		98.0 %		60-155		1044155	10/26/2010 2:01:00PM
<b>ICP_Ag</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>
Silver	BDL	1.03		mg/kg dry	1	1045021	11/1/2010 7:48:07PM
<b>ICP_AI</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>
Aluminum	798	10.3		mg/kg dry	1	1045021	11/1/2010 7:48:07PM
<b>ICP_As</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>
Arsenic	1.59	1.03		mg/kg dry	1	1045021	11/1/2010 7:48:07PM
<b>ICP_Ba</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>
Barium	7.11	1.03		mg/kg dry	1	1045021	11/1/2010 7:48:07PM
<b>ICP_Be</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>
Beryllium	BDL	0.516		mg/kg dry	1	1045021	11/1/2010 7:48:07PM
<b>ICP_Cd</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>
Cadmium	0.185	0.103		mg/kg dry	1	1045021	11/1/2010 7:48:07PM
<b>ICP_Co</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>
Cobalt	BDL	1.03		mg/kg dry	1	1045021	11/1/2010 7:48:07PM
<b>ICP_Cr</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>
Chromium	2.54	1.03		mg/kg dry	1	1045021	11/1/2010 7:48:07PM
<b>ICP_Ni</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>
Nickel	2.68	1.03		mg/kg dry	1	1045021	11/1/2010 7:48:07PM
<b>ICP_Pb</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>
Lead	1.40	1.03		mg/kg dry	1	1045021	11/1/2010 7:48:07PM
<b>ICP_Sb</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>
Antimony	BDL	1.03		mg/kg dry	1	1045021	11/1/2010 7:48:07PM
<b>ICP_Se</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>

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

**Lab Order:** 10J0915

**Lab ID:** 10J0915-19  
**Client Sample ID:** B-8 (0-2)

**Collection Date:** 10/14/2010 3:00:00PM  
**Matrix:** Soil

Analysis	Result	PQL	Qual	Units	Dilution	Batch	Date Analyzed
Selenium	BDL	5.16		mg/kg dry	1	1045021	11/1/2010 7:48:07PM
<b>ICP_Tl</b>		<b>SW 6010B</b>		<b>Analyst: RJE</b>			
Thallium	BDL	5.16		mg/kg dry	1	1045021	11/1/2010 7:48:07PM
<b>ICP_V</b>		<b>SW 6010B</b>		<b>Analyst: RJE</b>			
Vanadium	5.86	1.03		mg/kg dry	1	1045021	11/1/2010 7:48:07PM
<b>ICP_Zn</b>		<b>SW 6010B</b>		<b>Analyst: RJE</b>			
Zinc	6.92	5.16		mg/kg dry	1	1045021	11/1/2010 7:48:07PM
<b>HG</b>		<b>SW 7471</b>		<b>Analyst: RJE</b>			
Mercury	BDL	0.0860		mg/kg dry	1	1045007	11/1/2010 3:03:00PM
<b>VOC 8260</b>		<b>SW 8260A</b>		<b>Analyst: kds</b>			
1,1,1,2-Tetrachloroethane	BDL	0.00496		mg/kg dry	0.96	1045116	10/27/2010 4:50:00PM
1,1,1-Trichloroethane	BDL	0.00496		mg/kg dry	0.96	1045116	10/27/2010 4:50:00PM
1,1,2,2-Tetrachloroethane	BDL	0.00496		mg/kg dry	0.96	1045116	10/27/2010 4:50:00PM
1,1,2-Trichloroethane	BDL	0.00496		mg/kg dry	0.96	1045116	10/27/2010 4:50:00PM
1,1-Dichloroethane	BDL	0.00496		mg/kg dry	0.96	1045116	10/27/2010 4:50:00PM
1,1-Dichloroethene	BDL	0.00496		mg/kg dry	0.96	1045116	10/27/2010 4:50:00PM
1,1-Dichloropropene	BDL	0.00496		mg/kg dry	0.96	1045116	10/27/2010 4:50:00PM
1,2-Dibromoethane	BDL	0.00496		mg/kg dry	0.96	1045116	10/27/2010 4:50:00PM
1,2-Dichloroethane	BDL	0.00496		mg/kg dry	0.96	1045116	10/27/2010 4:50:00PM
1,2-Dichloropropane	BDL	0.00496		mg/kg dry	0.96	1045116	10/27/2010 4:50:00PM
1,3-Dichloropropane	BDL	0.00496		mg/kg dry	0.96	1045116	10/27/2010 4:50:00PM
2,2-Dichloropropane	BDL	0.00496		mg/kg dry	0.96	1045116	10/27/2010 4:50:00PM
2-Butanone	BDL	0.0198		mg/kg dry	0.96	1045116	10/27/2010 4:50:00PM
2-Chlorotoluene	BDL	0.00496		mg/kg dry	0.96	1045116	10/27/2010 4:50:00PM
2-Hexanone	BDL	0.0198		mg/kg dry	0.96	1045116	10/27/2010 4:50:00PM
4-Chlorotoluene	BDL	0.00496		mg/kg dry	0.96	1045116	10/27/2010 4:50:00PM
4-Methyl-2-pentanone	BDL	0.0198		mg/kg dry	0.96	1045116	10/27/2010 4:50:00PM
Acetone	BDL	0.0496		mg/kg dry	0.96	1045116	10/27/2010 4:50:00PM
Acetonitrile	BDL	0.0396		mg/kg dry	0.96	1045116	10/27/2010 4:50:00PM
Acrolein	BDL	0.0198		mg/kg dry	0.96	1045116	10/27/2010 4:50:00PM
Acrylonitrile	BDL	0.0198		mg/kg dry	0.96	1045116	10/27/2010 4:50:00PM
Allyl chloride	BDL	0.00991		mg/kg dry	0.96	1045116	10/27/2010 4:50:00PM
Benzene	BDL	0.00496		mg/kg dry	0.96	1045116	10/27/2010 4:50:00PM
Bromobenzene	BDL	0.00496		mg/kg dry	0.96	1045116	10/27/2010 4:50:00PM
Bromochloromethane	BDL	0.00496		mg/kg dry	0.96	1045116	10/27/2010 4:50:00PM
Bromodichloromethane	BDL	0.00496		mg/kg dry	0.96	1045116	10/27/2010 4:50:00PM
Bromoform	BDL	0.00496		mg/kg dry	0.96	1045116	10/27/2010 4:50:00PM
Bromomethane	BDL	0.00496		mg/kg dry	0.96	1045116	10/27/2010 4:50:00PM
Carbon Disulfide	BDL	0.0198		mg/kg dry	0.96	1045116	10/27/2010 4:50:00PM
Carbon Tetrachloride	BDL	0.00496		mg/kg dry	0.96	1045116	10/27/2010 4:50:00PM

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

**Lab Order:** 10J0915

**Lab ID:** 10J0915-19  
**Client Sample ID:** B-8 (0-2)

**Collection Date:** 10/14/2010 3:00:00PM  
**Matrix:** Soil

Analysis	Result	PQL	Qual	Units	Dilution	Batch	Date Analyzed
Chlorobenzene	BDL	0.00496		mg/kg dry	0.96	1045116	10/27/2010 4:50:00PM
Chloroethane	BDL	0.00496		mg/kg dry	0.96	1045116	10/27/2010 4:50:00PM
Chloroform	BDL	0.00496		mg/kg dry	0.96	1045116	10/27/2010 4:50:00PM
Chloromethane	BDL	0.00496		mg/kg dry	0.96	1045116	10/27/2010 4:50:00PM
cis-1,2-Dichloroethene	BDL	0.00496		mg/kg dry	0.96	1045116	10/27/2010 4:50:00PM
cis-1,3-Dichloropropene	BDL	0.00496		mg/kg dry	0.96	1045116	10/27/2010 4:50:00PM
Dibromochloromethane	BDL	0.00496		mg/kg dry	0.96	1045116	10/27/2010 4:50:00PM
Dibromomethane	BDL	0.00496		mg/kg dry	0.96	1045116	10/27/2010 4:50:00PM
Dichlorodifluoromethane	BDL	0.00496		mg/kg dry	0.96	1045116	10/27/2010 4:50:00PM
Ethylbenzene	BDL	0.00496		mg/kg dry	0.96	1045116	10/27/2010 4:50:00PM
Iodomethane	BDL	0.00991		mg/kg dry	0.96	1045116	10/27/2010 4:50:00PM
Methylene Chloride	BDL	0.00496		mg/kg dry	0.96	1045116	10/27/2010 4:50:00PM
Methyl tert-Butyl Ether	BDL	0.00991		mg/kg dry	0.96	1045116	10/27/2010 4:50:00PM
m,p-Xylene	BDL	0.00991		mg/kg dry	0.96	1045116	10/27/2010 4:50:00PM
n-Hexane	BDL	0.00496		mg/kg dry	0.96	1045116	10/27/2010 4:50:00PM
o-Xylene	BDL	0.00496		mg/kg dry	0.96	1045116	10/27/2010 4:50:00PM
Styrene	BDL	0.00496		mg/kg dry	0.96	1045116	10/27/2010 4:50:00PM
Tetrachloroethene	BDL	0.00496		mg/kg dry	0.96	1045116	10/27/2010 4:50:00PM
Toluene	BDL	0.00496		mg/kg dry	0.96	1045116	10/27/2010 4:50:00PM
trans-1,2-Dichloroethene	BDL	0.00496		mg/kg dry	0.96	1045116	10/27/2010 4:50:00PM
trans-1,3-Dichloropropene	BDL	0.00496		mg/kg dry	0.96	1045116	10/27/2010 4:50:00PM
Trichloroethene	BDL	0.00496		mg/kg dry	0.96	1045116	10/27/2010 4:50:00PM
Trichlorofluoromethane	BDL	0.00496		mg/kg dry	0.96	1045116	10/27/2010 4:50:00PM
Vinyl Chloride	BDL	0.00496		mg/kg dry	0.96	1045116	10/27/2010 4:50:00PM
Vinyl acetate	BDL	0.00991		mg/kg dry	0.96	1045116	10/27/2010 4:50:00PM

<i>Surrogate: 4-Bromofluorobenzene</i>	46.1 %	41-140	1045116	10/27/2010 4:50:00PM
<i>Surrogate: Dibromofluoromethane</i>	76.6 %	33-129	1045116	10/27/2010 4:50:00PM
<i>Surrogate: Toluene-d8</i>	67.3 %	44-130	1045116	10/27/2010 4:50:00PM
<i>Surrogate: 1,2-Dichloroethane-d4</i>	92.9 %	31-123	1045116	10/27/2010 4:50:00PM

**PMOIST** **D 2216** **Analyst: AD**  
**Percent Moisture** **3.15** % by Weight 1 1045103 11/1/2010 12:00:00PM

**PAH\_FULL\_8270** **SW 8270C** **Analyst: mbg**

2-Methylnaphthalene	BDL	1.03	mg/kg dry	10	1044084	11/3/2010 1:14:00AM
Acenaphthene	BDL	1.03	mg/kg dry	10	1044084	11/3/2010 1:14:00AM
Acenaphthylene	BDL	1.03	mg/kg dry	10	1044084	11/3/2010 1:14:00AM
Anthracene	BDL	1.03	mg/kg dry	10	1044084	11/3/2010 1:14:00AM
Benz(a)anthracene	BDL	1.03	mg/kg dry	10	1044084	11/3/2010 1:14:00AM
Benzo(a)pyrene	BDL	1.03	mg/kg dry	10	1044084	11/3/2010 1:14:00AM
Benzo(b)fluoranthene	BDL	1.03	mg/kg dry	10	1044084	11/3/2010 1:14:00AM
Benzo(g,h,i)perylene	BDL	1.03	mg/kg dry	10	1044084	11/3/2010 1:14:00AM
Benzo(k)fluoranthene	BDL	1.03	mg/kg dry	10	1044084	11/3/2010 1:14:00AM
Chrysene	BDL	1.03	mg/kg dry	10	1044084	11/3/2010 1:14:00AM

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

Lab Order: 10J0915

Lab ID: 10J0915-19  
 Client Sample ID: B-8 (0-2)

Collection Date: 10/14/2010 3:00:00PM  
 Matrix: Soil

Analysis	Result	PQL	Qual	Units	Dilution	Batch	Date Analyzed
Dibenz(a,h)anthracene	BDL	1.03		mg/kg dry	10	1044084	11/3/2010 1:14:00AM
Fluoranthene	BDL	1.03		mg/kg dry	10	1044084	11/3/2010 1:14:00AM
Fluorene	BDL	1.03		mg/kg dry	10	1044084	11/3/2010 1:14:00AM
Indeno(1,2,3-cd)pyrene	BDL	1.03		mg/kg dry	10	1044084	11/3/2010 1:14:00AM
Naphthalene	BDL	1.03		mg/kg dry	10	1044084	11/3/2010 1:14:00AM
Phenanthrene	BDL	1.03		mg/kg dry	10	1044084	11/3/2010 1:14:00AM
Pyrene	BDL	1.03		mg/kg dry	10	1044084	11/3/2010 1:14:00AM
<i>Surrogate: Nitrobenzene-d5</i>		34.8 %	S-04	51-126		1044084	11/3/2010 1:14:00AM
<i>Surrogate: 2-Fluorobiphenyl</i>		41.7 %	S-04	56-121		1044084	11/3/2010 1:14:00AM
<i>Surrogate: Terphenyl-d14</i>		33.7 %	S-04	40-140		1044084	11/3/2010 1:14:00AM

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

Lab Order: 10J0915

Lab ID: 10J0915-20  
 Client Sample ID: B-8 (60-64)

Collection Date: 10/14/2010 3:30:00PM  
 Matrix: Soil

Analysis	Result	PQL	Qual	Units	Dilution	Batch	Date Analyzed
<b>TPH C10-34</b>	<b>SW 8015</b>						<b>Analyst: MBG</b>
C10 to C20	1060	116	D	mg/kg dry	10	1043253	11/3/2010 7:31:00PM
C20 to C34	BDL	5790		mg/kg dry	10	1043253	11/3/2010 7:31:00PM
<i>Surrogate: o-Terphenyl</i>		%	S-04	48-115		1043253	11/3/2010 7:31:00PM
<b>TPH GRO C6-C12</b>	<b>SW 8015</b>						<b>Analyst: EH</b>
Gasoline Range Organics, C6 - C12	BDL	9.62		mg/kg dry	1.66	1044057	10/26/2010 1:09:00AM
<i>Surrogate: a,a,a-Trifluorotoluene</i>		95.0 %		60-155		1044057	10/26/2010 1:09:00AM
<b>ICP_Ag</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>
Silver	BDL	1.16		mg/kg dry	1	1045021	11/1/2010 7:54:14PM
<b>ICP_AI</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>
Aluminum	863	11.6		mg/kg dry	1	1045021	11/1/2010 7:54:14PM
<b>ICP_As</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>
Arsenic	24.4	1.16		mg/kg dry	1	1045021	11/1/2010 7:54:14PM
<b>ICP_Ba</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>
Barium	27.9	1.16		mg/kg dry	1	1045021	11/1/2010 7:54:14PM
<b>ICP_Be</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>
Beryllium	BDL	0.579		mg/kg dry	1	1045021	11/1/2010 7:54:14PM
<b>ICP_Cd</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>
Cadmium	0.961	0.116		mg/kg dry	1	1045021	11/1/2010 7:54:14PM
<b>ICP_Co</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>
Cobalt	1.45	1.16		mg/kg dry	1	1045021	11/1/2010 7:54:14PM
<b>ICP_Cr</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>
Chromium	4.10	1.16		mg/kg dry	1	1045021	11/1/2010 7:54:14PM
<b>ICP_Ni</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>
Nickel	1.95	1.16		mg/kg dry	1	1045021	11/1/2010 7:54:14PM
<b>ICP_Pb</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>
Lead	9.59	1.16		mg/kg dry	1	1045021	11/1/2010 7:54:14PM
<b>ICP_Sb</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>
Antimony	BDL	1.16		mg/kg dry	1	1045021	11/1/2010 7:54:14PM
<b>ICP_Se</b>	<b>SW 6010B</b>						<b>Analyst: RJE</b>

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

**Lab Order:** 10J0915

**Lab ID:** 10J0915-20  
**Client Sample ID:** B-8 (60-64)

**Collection Date:** 10/14/2010 3:30:00PM  
**Matrix:** Soil

Analysis	Result	PQL	Qual	Units	Dilution	Batch	Date Analyzed
Selenium	BDL	5.79		mg/kg dry	1	1045021	11/1/2010 7:54:14PM
<b>ICP_Tl</b>		<b>SW 6010B</b>		<b>Analyst: RJE</b>			
Thallium	BDL	5.79		mg/kg dry	1	1045021	11/1/2010 7:54:14PM
<b>ICP_V</b>		<b>SW 6010B</b>		<b>Analyst: RJE</b>			
Vanadium	8.26	1.16		mg/kg dry	1	1045021	11/1/2010 7:54:14PM
<b>ICP_Zn</b>		<b>SW 6010B</b>		<b>Analyst: RJE</b>			
Zinc	8.27	5.79		mg/kg dry	1	1045021	11/1/2010 7:54:14PM
<b>HG</b>		<b>SW 7471</b>		<b>Analyst: RJE</b>			
Mercury	0.124	0.124		mg/kg dry	1	1045007	11/1/2010 3:03:00PM
<b>VOC 8260</b>		<b>SW 8260A</b>		<b>Analyst: kds</b>			
1,1,1,2-Tetrachloroethane	BDL	0.0199		mg/kg dry	3.43	1045194	10/28/2010 12:19:00PM
1,1,1-Trichloroethane	BDL	0.0199		mg/kg dry	3.43	1045194	10/28/2010 12:19:00PM
1,1,2,2-Tetrachloroethane	BDL	0.0199		mg/kg dry	3.43	1045194	10/28/2010 12:19:00PM
1,1,2-Trichloroethane	BDL	0.0199		mg/kg dry	3.43	1045194	10/28/2010 12:19:00PM
1,1-Dichloroethane	BDL	0.0199		mg/kg dry	3.43	1045194	10/28/2010 12:19:00PM
1,1-Dichloroethene	BDL	0.0199		mg/kg dry	3.43	1045194	10/28/2010 12:19:00PM
1,1-Dichloropropene	BDL	0.0199		mg/kg dry	3.43	1045194	10/28/2010 12:19:00PM
1,2-Dibromoethane	BDL	0.0199		mg/kg dry	3.43	1045194	10/28/2010 12:19:00PM
1,2-Dichloroethane	BDL	0.0199		mg/kg dry	3.43	1045194	10/28/2010 12:19:00PM
1,2-Dichloropropane	BDL	0.0199		mg/kg dry	3.43	1045194	10/28/2010 12:19:00PM
1,3-Dichloropropane	BDL	0.0199		mg/kg dry	3.43	1045194	10/28/2010 12:19:00PM
2,2-Dichloropropane	BDL	0.0199		mg/kg dry	3.43	1045194	10/28/2010 12:19:00PM
2-Butanone	BDL	0.0795		mg/kg dry	3.43	1045194	10/28/2010 12:19:00PM
2-Chlorotoluene	BDL	0.0199		mg/kg dry	3.43	1045194	10/28/2010 12:19:00PM
2-Hexanone	BDL	0.0795		mg/kg dry	3.43	1045194	10/28/2010 12:19:00PM
4-Chlorotoluene	BDL	0.0199		mg/kg dry	3.43	1045194	10/28/2010 12:19:00PM
4-Methyl-2-pentanone	BDL	0.0795		mg/kg dry	3.43	1045194	10/28/2010 12:19:00PM
Acetone	BDL	0.199		mg/kg dry	3.43	1045194	10/28/2010 12:19:00PM
Acetonitrile	BDL	0.159		mg/kg dry	3.43	1045194	10/28/2010 12:19:00PM
Acrolein	BDL	0.0795		mg/kg dry	3.43	1045194	10/28/2010 12:19:00PM
Acrylonitrile	BDL	0.0795		mg/kg dry	3.43	1045194	10/28/2010 12:19:00PM
Allyl chloride	BDL	0.0397		mg/kg dry	3.43	1045194	10/28/2010 12:19:00PM
Benzene	BDL	0.0199		mg/kg dry	3.43	1045194	10/28/2010 12:19:00PM
Bromobenzene	BDL	0.0199		mg/kg dry	3.43	1045194	10/28/2010 12:19:00PM
Bromochloromethane	BDL	0.0199		mg/kg dry	3.43	1045194	10/28/2010 12:19:00PM
Bromodichloromethane	BDL	0.0199		mg/kg dry	3.43	1045194	10/28/2010 12:19:00PM
Bromoform	BDL	0.0199		mg/kg dry	3.43	1045194	10/28/2010 12:19:00PM
Bromomethane	BDL	0.0199		mg/kg dry	3.43	1045194	10/28/2010 12:19:00PM
Carbon Disulfide	BDL	0.0795		mg/kg dry	3.43	1045194	10/28/2010 12:19:00PM
Carbon Tetrachloride	BDL	0.0199		mg/kg dry	3.43	1045194	10/28/2010 12:19:00PM

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

Lab Order: 10J0915

Lab ID: 10J0915-20  
 Client Sample ID: B-8 (60-64)

Collection Date: 10/14/2010 3:30:00PM  
 Matrix: Soil

Analysis	Result	PQL	Qual	Units	Dilution	Batch	Date Analyzed
Chlorobenzene	BDL	0.0199		mg/kg dry	3.43	1045194	10/28/2010 12:19:00PM
Chloroethane	BDL	0.0199		mg/kg dry	3.43	1045194	10/28/2010 12:19:00PM
Chloroform	BDL	0.0199		mg/kg dry	3.43	1045194	10/28/2010 12:19:00PM
Chloromethane	BDL	0.0199		mg/kg dry	3.43	1045194	10/28/2010 12:19:00PM
cis-1,2-Dichloroethene	BDL	0.0199		mg/kg dry	3.43	1045194	10/28/2010 12:19:00PM
cis-1,3-Dichloropropene	BDL	0.0199		mg/kg dry	3.43	1045194	10/28/2010 12:19:00PM
Dibromochloromethane	BDL	0.0199		mg/kg dry	3.43	1045194	10/28/2010 12:19:00PM
Dibromomethane	BDL	0.0199		mg/kg dry	3.43	1045194	10/28/2010 12:19:00PM
Dichlorodifluoromethane	BDL	0.0199		mg/kg dry	3.43	1045194	10/28/2010 12:19:00PM
Ethylbenzene	BDL	0.0199		mg/kg dry	3.43	1045194	10/28/2010 12:19:00PM
Iodomethane	BDL	0.0397		mg/kg dry	3.43	1045194	10/28/2010 12:19:00PM
Methylene Chloride	BDL	0.0199		mg/kg dry	3.43	1045194	10/28/2010 12:19:00PM
Methyl tert-Butyl Ether	BDL	0.0397		mg/kg dry	3.43	1045194	10/28/2010 12:19:00PM
m,p-Xylene	BDL	0.0397		mg/kg dry	3.43	1045194	10/28/2010 12:19:00PM
n-Hexane	BDL	0.0199		mg/kg dry	3.43	1045194	10/28/2010 12:19:00PM
o-Xylene	BDL	0.0199		mg/kg dry	3.43	1045194	10/28/2010 12:19:00PM
Styrene	BDL	0.0199		mg/kg dry	3.43	1045194	10/28/2010 12:19:00PM
Tetrachloroethene	BDL	0.0199		mg/kg dry	3.43	1045194	10/28/2010 12:19:00PM
<b>Toluene</b>	<b>0.0361</b>	0.0199		mg/kg dry	3.43	1045194	10/28/2010 12:19:00PM
trans-1,2-Dichloroethene	BDL	0.0199		mg/kg dry	3.43	1045194	10/28/2010 12:19:00PM
trans-1,3-Dichloropropene	BDL	0.0199		mg/kg dry	3.43	1045194	10/28/2010 12:19:00PM
Trichloroethene	BDL	0.0199		mg/kg dry	3.43	1045194	10/28/2010 12:19:00PM
Trichlorofluoromethane	BDL	0.0199		mg/kg dry	3.43	1045194	10/28/2010 12:19:00PM
Vinyl Chloride	BDL	0.0199		mg/kg dry	3.43	1045194	10/28/2010 12:19:00PM
Vinyl acetate	BDL	0.0397		mg/kg dry	3.43	1045194	10/28/2010 12:19:00PM
<i>Surrogate: 4-Bromofluorobenzene</i>		75.7 %		41-140	1045194	10/28/2010 12:19:00PM	
<i>Surrogate: Dibromofluoromethane</i>		75.4 %		33-129	1045194	10/28/2010 12:19:00PM	
<i>Surrogate: Toluene-d8</i>		77.6 %		44-130	1045194	10/28/2010 12:19:00PM	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		74.6 %		31-123	1045194	10/28/2010 12:19:00PM	

**PMOIST** **D 2216** **Analyst: AD**  
 Percent Moisture **13.7** % by Weight 1 1045103 11/1/2010 12:00:00PM

**PAH\_FULL\_8270** **SW 8270C** **Analyst: mbg**  
**2-Methylnaphthalene** 7.37 1.16 mg/kg dry 10 1044084 11/3/2010 12:33:00AM  
 Acenaphthene BDL 1.16 mg/kg dry 10 1044084 11/3/2010 12:33:00AM  
 Acenaphthylene BDL 0.116 mg/kg dry 1 1044084 11/1/2010 10:53:00PM  
**Anthracene** 2.65 0.116 mg/kg dry 1 1044084 11/1/2010 10:53:00PM  
**Benz(a)anthracene** 0.194 0.116 mg/kg dry 1 1044084 11/1/2010 10:53:00PM  
**Benzo(a)pyrene** 0.127 0.116 mg/kg dry 1 1044084 11/1/2010 10:53:00PM  
**Benzo(b)fluoranthene** 0.207 0.116 mg/kg dry 1 1044084 11/1/2010 10:53:00PM  
 Benzo(g,h,i)perylene BDL 0.116 mg/kg dry 1 1044084 11/1/2010 10:53:00PM  
**Benzo(k)fluoranthene** 0.204 0.116 mg/kg dry 1 1044084 11/1/2010 10:53:00PM  
**Chrysene** 0.266 0.116 mg/kg dry 1 1044084 11/1/2010 10:53:00PM



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

Lab Order: 10J0915

Lab ID: 10J0915-20  
 Client Sample ID: B-8 (60-64)

Collection Date: 10/14/2010 3:30:00PM  
 Matrix: Soil

Analysis	Result	PQL	Qual	Units	Dilution	Batch	Date Analyzed
Dibenz(a,h)anthracene	BDL	0.116		mg/kg dry	1	1044084	11/1/2010 10:53:00PM
<b>Fluoranthene</b>	<b>0.212</b>	0.116		mg/kg dry	1	1044084	11/1/2010 10:53:00PM
Fluorene	BDL	0.116		mg/kg dry	1	1044084	11/1/2010 10:53:00PM
Indeno(1,2,3-cd)pyrene	BDL	0.116		mg/kg dry	1	1044084	11/1/2010 10:53:00PM
Naphthalene	BDL	0.116		mg/kg dry	1	1044084	11/1/2010 10:53:00PM
Phenanthrene	BDL	0.116		mg/kg dry	1	1044084	11/1/2010 10:53:00PM
<b>Pyrene</b>	<b>0.591</b>	0.116		mg/kg dry	1	1044084	11/1/2010 10:53:00PM
<i>Surrogate: Nitrobenzene-d5</i>		82.3 %		<i>51-126</i>		<i>1044084</i>	11/1/2010 10:53:00PM
<i>Surrogate: 2-Fluorobiphenyl</i>		79.2 %		<i>56-121</i>		<i>1044084</i>	11/1/2010 10:53:00PM
<i>Surrogate: Terphenyl-d14</i>		73.8 %		<i>40-140</i>		<i>1044084</i>	11/1/2010 10:53:00PM



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**ANALYTICAL SERVICES REQUEST  
 AND CHAIN OF CUSTODY**

SEND TO LJB:	<input type="checkbox"/> INVOICE	SEND TO:	<input checked="" type="checkbox"/> INVOICE
	<input checked="" type="checkbox"/> RESULTS		<input checked="" type="checkbox"/> RESULTS
CONTACT: <u>EO Council</u>		CONTACT: <u>M. Rulter</u>	
ADDRESS:		ADDRESS: <u>BRG</u>	
PHONE:		PHONE:	
FAX:		FAX:	

LJB Job #: Piquette-3 PO#: P-3

SAMPLE Site: Piquette Power plant

SAMPLED BY: EO Council

SIGNATURE: [Signature]

RUSH  PHONE RESULTS

STANDARD TURNAROUND  FAX RESULTS

NEED BY:

SPECIAL INSTRUCTIONS:

**ANALYSIS REQUESTED**

**REMARKS**

SAMPLE ID	DATE	TIME	MATRIX	COMP	GRAB	# BTLs	ANALYSIS REQUESTED	REMARKS
B-2 (O-2)	10/5/10	9:50	So. 1			3	VOC 8260 PAH 8270 TOH GRO, DRG, ORG 8015 PCBs 8082 VAP Metals	B-11 Brown Field Kest Group
<del>B-2 (O-2)</del>								
B-2 (S-2.5.1)	10/15/10	8:25	Soil			3		
B-1 (O-2)	10/15/10	2:00	Soil			3		
B-1 (S-2.5)	10/15/10	2:30	Soil			3		
Leg D/K 2			water			1		

REINQUISHED BY: <u>[Signature]</u>	DATE/TIME: <u>10/19/10 10:06</u>	RECEIVED BY: <u>[Signature]</u>	DATE/TIME: <u>10/19/10 1:30</u>
REINQUISHED BY:	DATE/TIME:	RECEIVED BY:	DATE/TIME:
REINQUISHED BY:	DATE/TIME:	RECEIVED AT LAB BY:	DATE/TIME:

1050915



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**ANALYTICAL SERVICES REQUEST  
 AND CHAIN OF CUSTODY**

SEND TO LJB:	<input checked="" type="checkbox"/> INVOICE <input checked="" type="checkbox"/> RESULTS	SEND TO:	<input checked="" type="checkbox"/> INVOICE <input checked="" type="checkbox"/> RESULTS
CONTACT:	E.O. Council	CONTACT:	M. Butler
ADDRESS:		ADDRESS:	BQG
PHONE:		PHONE:	
FAX:		FAX:	

LJB Job #: Digua-3 PO#: P-3

SAMPLE SITE: Digua Power plant

SAMPLED BY: E. Council

SIGNATURE: [Signature]

RUSH  
 STANDARD TURNAROUND  
 PHONE RESULTS  
 FAX RESULTS

NEED BY:

SPECIAL INSTRUCTIONS:

SAMPLE ID	DATE	TIME	MATRIX	COMP	GRAB	# BTLs	ANALYSIS REQUESTED					REMARKS	
							VOC	PAH	TPH	PCBs	VAP Metals		
B-4' (6'-2')	10/12/10	9:00	Soil		✓	3	8260	8270	GRD, DRG, ORG 8015	8082	VAP Metals		
B-4' (6:5')	10/12/10	3:10			✓	1							
B-6 (5'-2')	10/13/10	9:30			✓	1							
B-6 (2'-2')	10/13/10	10:00			✓	1							
B-7 (0'-2')	10/13/10	11:00			✓	1							
B-7 (6'0")	10/13/10	1:30			✓	1							
B-7 Dug (6'0")	10/13/10	1:35			✓	1							
Tcp Blank	-	-			✓	1							

B:11  
 Brown Field  
 Rest.  
 Group

RELINQUISHED BY: <u>[Signature]</u>	DATE/TIME: <u>10/19/10 10:00</u>	RECEIVED BY: <u>[Signature]</u>	DATE/TIME: <u>10/19/10 1300</u>
RELINQUISHED BY:	DATE/TIME:	RECEIVED BY: <u>[Signature]</u>	DATE/TIME: <u>10/19/10 1620</u>
RELINQUISHED BY:	DATE/TIME:	RECEIVED AT LAB BY:	DATE/TIME:



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**ANALYTICAL SERVICES REQUEST  
 AND CHAIN OF CUSTODY**

LJB Job #: Piquette - 3 PO#: P-3

SAMPLE SITE: Piquette Power Plant

SAMPLED BY: SG. Sowers

SIGNATURE: [Signature]

- RUSH
- STANDARD TURNAROUND
- PHONE RESULTS
- FAX RESULTS

NEED BY:

SPECIAL INSTRUCTIONS:

SAMPLE ID	DATE	TIME	MATRIX	COMP	GRAB	# BTLs	ANALYSIS REQUESTED	REMARKS	
B-9' (0-2')	10/13/10	2:00	Soil		✓	3	VOC 8260 PAH 8270 GR0, PRO, ORO 8015 TPH ACBS 8082 VAP Metals	B-11 Brownfield Rest. Group	
B-9' (2.5-3.6)	10/13/10	2:15			✓				
B-10' (0-2')	10/14/10	8:00			✓				
B-10' (3.5-14.5)	10/14/10	9:45			✓				
B-11' (0-2')	10/14/10	11:00			✓				
B-11' (5-5.5')	10/14/10	12:00			✓				
B-8' (0-2')	10/14/10	3:00			✓				
B-8' (6-6.5')	10/14/10	3:30			✓				
RELINQUISHED BY: <u>[Signature]</u>							DATE/TIME: <u>10/19/10 10:00</u>	RECEIVED BY: <u>[Signature]</u>	DATE/TIME: <u>11/19/10 1:30</u>
RELINQUISHED BY:							DATE/TIME:	RECEIVED BY: <u>[Signature]</u>	DATE/TIME: <u>12/15/10 10:20</u>
RELINQUISHED BY:							DATE/TIME:	RECEIVED AT LAB BY:	DATE/TIME:

SEND TO LJB:  INVOICE  RESULTS

CONTACT: Ed Council

ADDRESS:

PHONE:

FAX:

SEND TO: BQG

CONTACT: M. Butler

ADDRESS:

PHONE:

FAX:

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

Lab Order: 10J0915

Extractable Hydrocarbons by 8015 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 1043253 - PREP DRO S</b>										
<b>Blank (1043253-BLK1)</b>										
				Prepared: 10/21/10 Analyzed: 10/31/10						
C10 to C20	BDL	10.0	mg/kg wet							
C20 to C34	BDL	500	mg/kg wet							
Surrogate: <i>o</i> -Terphenyl	5.40		mg/kg wet	5.000		108	48-115			
<b>LCS (1043253-BS1)</b>										
				Prepared: 10/21/10 Analyzed: 10/31/10						
C10 to C20	149	10.0	mg/kg wet	126.0		118	52-119			
Surrogate: <i>o</i> -Terphenyl	5.21		mg/kg wet	5.000		104	48-115			
<b>LCS Dup (1043253-BS1)</b>										
				Prepared: 10/21/10 Analyzed: 10/31/10						
C10 to C20	119	10.0	mg/kg wet	126.0		94.1	52-119	22.9	11	R
Surrogate: <i>o</i> -Terphenyl	4.68		mg/kg wet	5.000		93.6	48-115			
<b>Batch 1044107 - PREP DRO S</b>										
<b>Blank (1044107-BLK1)</b>										
				Prepared: 10/27/10 Analyzed: 10/31/10						
C10 to C20	BDL	10.0	mg/kg wet							
C20 to C34	BDL	500	mg/kg wet							
Surrogate: <i>o</i> -Terphenyl	3.65		mg/kg wet	5.000		72.9	48-115			
<b>LCS (1044107-BS1)</b>										
				Prepared: 10/27/10 Analyzed: 10/31/10						
C10 to C20	111	10.0	mg/kg wet	126.3		88.2	52-119			
Surrogate: <i>o</i> -Terphenyl	3.59		mg/kg wet	5.000		71.8	48-115			
<b>LCS Dup (1044107-BS1)</b>										
				Prepared: 10/27/10 Analyzed: 10/31/10						
C10 to C20	118	10.0	mg/kg wet	126.3		93.1	52-119	5.41	11	
Surrogate: <i>o</i> -Terphenyl	2.90		mg/kg wet	5.000		58.0	48-115			

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

Lab Order: 10J0915

Petroleum Hydrocarbons by GC FID - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 1043272 - GC Prep**

<b>Blank (1043272-BLK1)</b>										
										Prepared & Analyzed: 10/21/10
Gasoline Range Organics, C6 - C12	BDL	5.00	mg/kg wet							
Surrogate: a,a,a-Trifluorotoluene	0.108		mg/L	0.1000		108	60-155			

<b>LCS (1043272-BS1)</b>										
										Prepared & Analyzed: 10/21/10
Gasoline Range Organics, C6 - C12	10.8	5.00	mg/kg wet	10.00		108	80-118			
Surrogate: a,a,a-Trifluorotoluene	0.107		mg/L	0.1000		107	60-155			

<b>LCS Dup (1043272-BSD1)</b>										
										Prepared & Analyzed: 10/21/10
Gasoline Range Organics, C6 - C12	11.8	5.00	mg/kg wet	10.00		118	80-118	9.26	10	
Surrogate: a,a,a-Trifluorotoluene	0.108		mg/L	0.1000		108	60-155			

<b>Matrix Spike (1043272-MS1)</b>										
										Source: 10J0915-08
										Prepared & Analyzed: 10/21/10
Gasoline Range Organics, C6 - C12	18.2	5.22	mg/kg dry	21.39	ND	85.0	56-84			M
Surrogate: a,a,a-Trifluorotoluene	0.106		mg/L	0.1000		106	60-155			

<b>Matrix Spike Dup (1043272-MSD1)</b>										
										Source: 10J0915-08
										Prepared & Analyzed: 10/21/10
Gasoline Range Organics, C6 - C12	18.0	5.14	mg/kg dry	21.39	ND	84.2	56-84	0.991	20	M
Surrogate: a,a,a-Trifluorotoluene	0.106		mg/L	0.1000		106	60-155			

**Batch 1043273 - GC Prep**

<b>Blank (1043273-BLK1)</b>										
										Prepared: 10/21/10 Analyzed: 10/22/10
Gasoline Range Organics, C6 - C12	BDL	5.00	mg/kg wet							
Surrogate: a,a,a-Trifluorotoluene	0.107		mg/L	0.1000		107	60-155			

<b>LCS (1043273-BS1)</b>										
										Prepared & Analyzed: 10/21/10
Gasoline Range Organics, C6 - C12	10.8	5.00	mg/kg wet	10.00		108	80-118			
Surrogate: a,a,a-Trifluorotoluene	0.106		mg/L	0.1000		106	60-155			

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

Lab Order: 10J0915

Petroleum Hydrocarbons by GC FID - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 1043273 - GC Prep**

<b>LCS Dup (1043273-BSD1)</b>				Prepared: 10/21/10 Analyzed: 10/22/10						
Gasoline Range Organics, C6 - C12	10.6	5.00	mg/kg wet	10.00		106	80-118	1.48	10	
Surrogate: a,a,a-Trifluorotoluene	0.106		mg/L	0.1000		106	60-155			

<b>Matrix Spike (1043273-MS1)</b>		Source: 10J0915-17		Prepared: 10/21/10 Analyzed: 10/22/10						
Gasoline Range Organics, C6 - C12	29.6	10.2	mg/kg dry	24.61	23.1	26.5	56-84			M
Surrogate: a,a,a-Trifluorotoluene	0.0980		mg/L	0.1000		98.0	60-155			

<b>Matrix Spike Dup (1043273-MSD1)</b>		Source: 10J0915-17		Prepared: 10/21/10 Analyzed: 10/22/10						
Gasoline Range Organics, C6 - C12	27.7	9.60	mg/kg dry	24.61	23.1	18.9	56-84	6.54	20	M
Surrogate: a,a,a-Trifluorotoluene	0.0950		mg/L	0.1000		95.0	60-155			

**Batch 1044057 - GC Prep**

<b>Blank (1044057-BLK1)</b>				Prepared & Analyzed: 10/25/10						
Gasoline Range Organics, C6 - C12	BDL	5.00	mg/kg wet							
Surrogate: a,a,a-Trifluorotoluene	0.101		mg/L	0.1000		101	60-155			

<b>LCS (1044057-BS1)</b>				Prepared & Analyzed: 10/25/10						
Gasoline Range Organics, C6 - C12	10.7	5.00	mg/kg wet	10.00		107	80-118			
Surrogate: a,a,a-Trifluorotoluene	0.0990		mg/L	0.1000		99.0	60-155			

<b>LCS Dup (1044057-BSD1)</b>				Prepared & Analyzed: 10/25/10						
Gasoline Range Organics, C6 - C12	10.5	5.00	mg/kg wet	10.00		105	80-118	2.08	10	
Surrogate: a,a,a-Trifluorotoluene	0.100		mg/L	0.1000		100	60-155			

<b>Matrix Spike (1044057-MS1)</b>		Source: 10J0890-06		Prepared: 10/25/10 Analyzed: 10/26/10						
Gasoline Range Organics, C6 - C12	15.7	5.09	mg/kg dry	20.69	ND	76.0	56-84			
Surrogate: a,a,a-Trifluorotoluene	0.101		mg/L	0.1000		101	60-155			

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

Lab Order: 10J0915

Petroleum Hydrocarbons by GC FID - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 1044057 - GC Prep**

<b>Matrix Spike Dup (1044057-MSD1)</b>		<b>Source: 10J0890-06</b>		Prepared: 10/25/10 Analyzed: 10/26/10						
Gasoline Range Organics, C6 - C12	14.3	5.01	mg/kg dry	20.69	ND	69.3	56-84	9.18	20	
Surrogate: a,a,a-Trifluorotoluene	0.101		mg/L	0.1000		101	60-155			

**Batch 1044155 - GC Prep**

<b>Blank (1044155-BLK1)</b>				Prepared & Analyzed: 10/26/10						
Gasoline Range Organics, C6 - C12	BDL	5.00	mg/kg wet							
Surrogate: a,a,a-Trifluorotoluene	0.102		mg/L	0.1000		102	60-155			

<b>LCS (1044155-BS1)</b>				Prepared & Analyzed: 10/26/10						
Gasoline Range Organics, C6 - C12	11.0	5.00	mg/kg wet	10.00		110	80-118			
Surrogate: a,a,a-Trifluorotoluene	0.102		mg/L	0.1000		102	60-155			

<b>LCS Dup (1044155-BSD1)</b>				Prepared & Analyzed: 10/26/10						
Gasoline Range Organics, C6 - C12	10.8	5.00	mg/kg wet	10.00		108	80-118	1.14	10	
Surrogate: a,a,a-Trifluorotoluene	0.101		mg/L	0.1000		101	60-155			

<b>Matrix Spike (1044155-MS1)</b>		<b>Source: 10J0890-30</b>		Prepared & Analyzed: 10/26/10						
Gasoline Range Organics, C6 - C12	21.0	5.29	mg/kg dry	21.40	ND	98.1	56-84			M
Surrogate: a,a,a-Trifluorotoluene	0.100		mg/L	0.1000		100	60-155			

<b>Matrix Spike Dup (1044155-MSD1)</b>		<b>Source: 10J0890-30</b>		Prepared & Analyzed: 10/26/10						
Gasoline Range Organics, C6 - C12	20.3	5.30	mg/kg dry	21.40	ND	94.7	56-84	3.54	20	M
Surrogate: a,a,a-Trifluorotoluene	0.0980		mg/L	0.1000		98.0	60-155			



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

Lab Order: 10J0915

**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 1045021 - PREP ICP S**

**Blank (1045021-BLK1)**

Prepared & Analyzed: 11/01/10

Aluminum	BDL	10.0	mg/kg wet							
Antimony	BDL	1.00	mg/kg wet							
Arsenic	BDL	1.00	mg/kg wet							
Barium	BDL	1.00	mg/kg wet							
Beryllium	BDL	0.500	mg/kg wet							
Cadmium	BDL	0.100	mg/kg wet							
Chromium	BDL	1.00	mg/kg wet							
Cobalt	BDL	1.00	mg/kg wet							
Lead	BDL	1.00	mg/kg wet							
Nickel	BDL	1.00	mg/kg wet							
Selenium	BDL	5.00	mg/kg wet							
Silver	BDL	1.00	mg/kg wet							
Thallium	BDL	5.00	mg/kg wet							
Vanadium	BDL	1.00	mg/kg wet							
Zinc	BDL	5.00	mg/kg wet							

**LCS (1045021-BS1)**

Prepared & Analyzed: 11/01/10

Aluminum	107	10.0	mg/kg wet	100.0		107	80-120			
Antimony	92.4	1.00	mg/kg wet	100.0		92.4	80-120			
Arsenic	100	1.00	mg/kg wet	100.0		100	80-120			
Barium	98.9	1.00	mg/kg wet	100.0		98.9	80-120			
Beryllium	99.3	0.500	mg/kg wet	100.0		99.3	80-120			
Cadmium	97.3	0.100	mg/kg wet	100.0		97.3	80-120			
Chromium	99.3	1.00	mg/kg wet	100.0		99.3	80-120			
Cobalt	98.1	1.00	mg/kg wet	100.0		98.1	80-120			
Lead	99.3	1.00	mg/kg wet	100.0		99.3	80-120			
Nickel	99.5	1.00	mg/kg wet	100.0		99.5	80-120			
Selenium	98.3	5.00	mg/kg wet	100.0		98.3	80-120			
Silver	98.0	1.00	mg/kg wet	100.0		98.0	80-120			
Thallium	99.2	5.00	mg/kg wet	100.0		99.2	80-120			
Vanadium	101	1.00	mg/kg wet	100.0		101	80-120			
Zinc	99.3	5.00	mg/kg wet	100.0		99.3	80-120			

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

Lab Order: 10J0915

**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 1045021 - PREP ICP S**

**LCS Dup (1045021-BSD1)**

Prepared & Analyzed: 11/01/10

Aluminum	106	10.0	mg/kg wet	100.0		106	80-120	0.939	20	
Antimony	92.1	1.00	mg/kg wet	100.0		92.1	80-120	0.325	20	
Arsenic	99.2	1.00	mg/kg wet	100.0		99.2	80-120	0.803	20	
Barium	98.4	1.00	mg/kg wet	100.0		98.4	80-120	0.507	20	
Beryllium	98.5	0.500	mg/kg wet	100.0		98.5	80-120	0.809	20	
Cadmium	96.9	0.100	mg/kg wet	100.0		96.9	80-120	0.412	20	
Chromium	98.9	1.00	mg/kg wet	100.0		98.9	80-120	0.404	20	
Cobalt	97.4	1.00	mg/kg wet	100.0		97.4	80-120	0.716	20	
Lead	98.7	1.00	mg/kg wet	100.0		98.7	80-120	0.606	20	
Nickel	98.8	1.00	mg/kg wet	100.0		98.8	80-120	0.706	20	
Selenium	97.8	5.00	mg/kg wet	100.0		97.8	80-120	0.510	20	
Silver	97.7	1.00	mg/kg wet	100.0		97.7	80-120	0.307	20	
Thallium	100	5.00	mg/kg wet	100.0		100	80-120	0.803	20	
Vanadium	100	1.00	mg/kg wet	100.0		100	80-120	0.995	20	
Zinc	98.8	5.00	mg/kg wet	100.0		98.8	80-120	0.505	20	

**Duplicate (1045021-DUP1)**

Source: 10J0890-28

Prepared & Analyzed: 11/01/10

Aluminum	880	10.7	mg/kg dry		1130			24.8	20	R
Antimony	1.65	1.07	mg/kg dry		2.91			55.2	20	R
Arsenic	2.66	1.07	mg/kg dry		2.91			9.03	20	
Barium	29.4	1.07	mg/kg dry		70.7			82.5	20	R
Beryllium	0.0574	0.534	mg/kg dry		0.0716			22.0	20	R
Cadmium	0.222	0.107	mg/kg dry		0.275			21.6	20	R
Chromium	1.69	1.07	mg/kg dry		2.11			21.8	20	R
Cobalt	1.08	1.07	mg/kg dry		1.34			21.7	20	R
Lead	4.31	1.07	mg/kg dry		4.19			2.83	20	
Nickel	2.16	1.07	mg/kg dry		2.84			27.4	20	R
Selenium	BDL	5.34	mg/kg dry		ND				20	
Silver	BDL	1.07	mg/kg dry		ND				20	
Thallium	0.291	5.34	mg/kg dry		0.850			98.0	20	R
Vanadium	5.20	1.07	mg/kg dry		6.91			28.3	20	R
Zinc	7.64	5.34	mg/kg dry		11.6			41.1	20	R

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

Lab Order: 10J0915

**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 1045021 - PREP ICP S**

Matrix Spike (1045021-MS1)	Source: 10J0890-27			Prepared & Analyzed: 11/01/10						
Aluminum	2840	10.6	mg/kg dry	96.30	2870	NR	75-125			QM-05
Antimony	76.8	1.06	mg/kg dry	96.30	2.48	77.2	75-125			
Arsenic	86.0	1.06	mg/kg dry	96.30	12.7	76.1	75-125			
Barium	98.2	1.06	mg/kg dry	96.30	16.6	84.8	75-125			
Beryllium	76.2	0.530	mg/kg dry	96.30	0.173	78.9	75-125			
Cadmium	74.0	0.106	mg/kg dry	96.30	0.715	76.1	75-125			
Chromium	83.3	1.06	mg/kg dry	96.30	6.11	80.2	75-125			
Cobalt	77.1	1.06	mg/kg dry	96.30	3.87	76.1	75-125			
Lead	83.1	1.06	mg/kg dry	96.30	23.0	62.4	75-125			QM-05
Nickel	83.1	1.06	mg/kg dry	96.30	8.24	77.7	75-125			
Selenium	77.4	5.30	mg/kg dry	96.30	ND	80.4	75-125			
Silver	85.5	1.06	mg/kg dry	96.30	ND	88.8	75-125			
Thallium	74.2	5.30	mg/kg dry	96.30	1.03	76.0	75-125			
Vanadium	90.5	1.06	mg/kg dry	96.30	11.9	81.6	75-125			
Zinc	106	5.30	mg/kg dry	96.30	45.6	62.7	75-125			QM-05

Matrix Spike Dup (1045021-MSD1)	Source: 10J0890-27			Prepared & Analyzed: 11/01/10						
Aluminum	3130	10.6	mg/kg dry	94.58	2870	280	75-125	9.70	20	QM-05
Antimony	76.9	1.06	mg/kg dry	94.58	2.48	78.7	75-125	0.0604	20	
Arsenic	85.5	1.06	mg/kg dry	94.58	12.7	77.0	75-125	0.578	20	
Barium	99.3	1.06	mg/kg dry	94.58	16.6	87.5	75-125	1.10	20	
Beryllium	76.1	0.530	mg/kg dry	94.58	0.173	80.3	75-125	0.0474	20	
Cadmium	74.1	0.106	mg/kg dry	94.58	0.715	77.5	75-125	0.132	20	
Chromium	82.7	1.06	mg/kg dry	94.58	6.11	80.9	75-125	0.767	20	
Cobalt	77.0	1.06	mg/kg dry	94.58	3.87	77.3	75-125	0.192	20	
Lead	83.1	1.06	mg/kg dry	94.58	23.0	63.6	75-125	0.0352	20	QM-05
Nickel	82.1	1.06	mg/kg dry	94.58	8.24	78.1	75-125	1.22	20	
Selenium	77.3	5.30	mg/kg dry	94.58	ND	81.7	75-125	0.198	20	
Silver	85.4	1.06	mg/kg dry	94.58	ND	90.3	75-125	0.127	20	
Thallium	74.6	5.30	mg/kg dry	94.58	1.03	77.8	75-125	0.506	20	
Vanadium	90.7	1.06	mg/kg dry	94.58	11.9	83.3	75-125	0.199	20	
Zinc	110	5.30	mg/kg dry	94.58	45.6	67.8	75-125	3.51	20	QM-05

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

**Lab Order:** 10J0915

**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 1045021 - PREP ICP S**

<b>Post Spike (1045021-PS1)</b>	<b>Source: 10J0890-27</b>			<b>Prepared &amp; Analyzed: 11/01/10</b>						
Aluminum	35.2		mg/L	1.000	28.7	652	0-200			QM-05
Antimony	0.760		mg/L	1.000	0.0248	73.5	0-200			
Arsenic	0.962		mg/L	1.000	0.127	83.5	0-200			
Barium	1.08		mg/L	1.000	0.166	91.4	0-200			
Beryllium	0.857		mg/L	1.000	0.00173	85.5	0-200			
Chromium	0.981		mg/L	1.000	0.0611	92.0	0-200			
Cobalt	0.875		mg/L	1.000	0.0387	83.6	0-200			
Lead	0.922		mg/L	1.000	0.230	69.2	0-200			
Nickel	0.933		mg/L	1.000	0.0824	85.1	0-200			
Selenium	0.872		mg/L	1.000	-0.00150	87.3	0-200			
Silver	0.962		mg/L	1.000	-0.00169	96.4	0-200			
Thallium	0.848		mg/L	1.000	0.0103	83.8	0-200			
Vanadium	1.04		mg/L	1.000	0.119	92.1	0-200			
Zinc	1.24		mg/L	1.000	0.456	78.4	0-200			

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

**Lab Order:** 10J0915

**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 1045007 - PREP HG S**

<b>Blank (1045007-BLK1)</b>				Prepared & Analyzed: 11/01/10						
Mercury	BDL	0.100	mg/kg wet							
<b>LCS (1045007-BS1)</b>				Prepared & Analyzed: 11/01/10						
Mercury	0.875	0.100	mg/kg wet	0.8333		105	80-120			
<b>LCS Dup (1045007-BSD1)</b>				Prepared & Analyzed: 11/01/10						
Mercury	0.875	0.100	mg/kg wet	0.8333		105	80-120	0	20	
<b>Matrix Spike (1045007-MS1)</b>				Source: 10J0890-27		Prepared & Analyzed: 11/01/10				
Mercury	1.01	0.116	mg/kg dry	0.9630	0.0361	101	70-130			
<b>Matrix Spike Dup (1045007-MSD1)</b>				Source: 10J0890-27		Prepared & Analyzed: 11/01/10				
Mercury	0.974	0.113	mg/kg dry	0.9458	0.0361	99	70-130	4	30	

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

Lab Order: 10J0915

**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 1043243 - PREP PP S**

**Blank (1043243-BLK1)**

Prepared: 10/21/10 Analyzed: 10/24/10

Aroclor 1016	BDL	0.0200	mg/kg wet							
Aroclor 1221	BDL	0.0200	mg/kg wet							
Aroclor 1232	BDL	0.0200	mg/kg wet							
Aroclor 1242	BDL	0.0200	mg/kg wet							
Aroclor 1248	BDL	0.0200	mg/kg wet							
Aroclor 1254	BDL	0.0200	mg/kg wet							
Aroclor 1260	BDL	0.0200	mg/kg wet							
Surrogate: Decachlorobiphenyl	0.0303		mg/kg wet	0.03333		91.0	40-159			
Surrogate: Tetrachloro-m-xylene	0.0167		mg/kg wet	0.03333		50.0	47-125			

**LCS (1043243-BS1)**

Prepared: 10/21/10 Analyzed: 10/24/10

Aroclor 1016	0.330	0.0200	mg/kg wet	0.3333		98.9	51-168			
Aroclor 1260	0.378	0.0200	mg/kg wet	0.3333		113	51-173			
Surrogate: Decachlorobiphenyl	0.0310		mg/kg wet	0.03333		93.0	40-159			
Surrogate: Tetrachloro-m-xylene	0.0163		mg/kg wet	0.03333		49.0	47-125			

**LCS Dup (1043243-BS1)**

Prepared: 10/21/10 Analyzed: 10/24/10

Aroclor 1016	0.287	0.0200	mg/kg wet	0.3333		86.2	51-168	13.7	24	
Aroclor 1260	0.366	0.0200	mg/kg wet	0.3333		110	51-173	3.14	25	
Surrogate: Decachlorobiphenyl	0.0290		mg/kg wet	0.03333		87.0	40-159			
Surrogate: Tetrachloro-m-xylene	0.0177		mg/kg wet	0.03333		53.0	47-125			

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

Lab Order: 10J0915

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 1044282 - VOC PREP

Blank (1044282-BLK1)

Prepared & Analyzed: 10/25/10

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-Butylbenzene	BDL	5.00	ug/L							

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

Lab Order: 10J0915

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 1044282 - VOC PREP

Blank (1044282-BLK1)

Prepared & Analyzed: 10/25/10

n-Hexane	BDL	5.00	ug/L							
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							
<i>Surrogate: 4-Bromofluorobenzene</i>	46.8		ug/L	50.00		93.6	41-140			
<i>Surrogate: Dibromofluoromethane</i>	51.2		ug/L	50.00		102	34-158			
<i>Surrogate: Toluene-d8</i>	53.4		ug/L	50.00		107	47-147			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	48.7		ug/L	50.00		97.4	29-163			

LCS (1044282-BS1)

Prepared & Analyzed: 10/25/10

1,1,1,2-Tetrachloroethane	19.7	5.00	ug/L	20.00		98.5	78-128			
1,1,1-Trichloroethane	20.3	5.00	ug/L	20.00		102	70-135			
1,1,2,2-Tetrachloroethane	21.1	5.00	ug/L	20.00		106	68-135			
1,1,2-Trichloroethane	20.7	5.00	ug/L	20.00		104	74-131			
1,1-Dichloroethane	19.2	5.00	ug/L	20.00		95.9	72-134			
1,1-Dichloroethene	20.0	5.00	ug/L	20.00		99.8	62-143			
1,1-Dichloropropene	20.8	5.00	ug/L	20.00		104	82-128			
1,2-Dibromoethane	20.4	5.00	ug/L	20.00		102	67-132			
1,2-Dichloroethane	17.4	5.00	ug/L	20.00		87.2	72-131			
1,2-Dichloropropane	19.0	5.00	ug/L	20.00		94.8	75-128			
1,3-Dichloropropane	19.3	5.00	ug/L	20.00		96.3	73-130			
2,2-Dichloropropane	21.1	5.00	ug/L	20.00		105	45-173			
2-Butanone	68.3	20.0	ug/L	80.00		85.4	42-140			
2-Chlorotoluene	20.3	5.00	ug/L	20.00		101	76-126			
2-Hexanone	71.0	20.0	ug/L	80.00		88.7	18-178			
4-Chlorotoluene	20.5	5.00	ug/L	20.00		102	77-132			
4-Methyl-2-pentanone	86.0	20.0	ug/L	80.00		108	42-160			
Acetone	69.6	20.0	ug/L	80.00		87.0	30-173			
Acetonitrile	20.5	40.0	ug/L	20.00		102	58-150			
Acrylonitrile	18.8	20.0	ug/L	20.00		94.1	64-153			
Allyl chloride	20.2	5.00	ug/L	20.00		101	67-149			
Benzene	19.5	5.00	ug/L	20.00		97.6	77-126			
Bromobenzene	20.3	5.00	ug/L	20.00		101	72-131			
Bromochloromethane	20.0	5.00	ug/L	20.00		100	71-135			
Bromodichloromethane	19.3	5.00	ug/L	20.00		96.6	78-129			
Bromoform	17.3	5.00	ug/L	20.00		86.4	69-135			
Bromomethane	15.1	5.00	ug/L	20.00		75.5	14-193			
Carbon Disulfide	21.2	20.0	ug/L	20.00		106	54-150			



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

Lab Order: 10J0915

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 1044282 - VOC PREP

LCS (1044282-BS1)

Prepared & Analyzed: 10/25/10

Carbon Tetrachloride	15.7	5.00	ug/L	20.00		78.4	67-138			
Chlorobenzene	20.3	5.00	ug/L	20.00		101	77-125			
Chloroethane	16.6	5.00	ug/L	20.00		83.0	27-170			
Chloroform	20.4	5.00	ug/L	20.00		102	73-136			
Chloromethane	17.6	5.00	ug/L	20.00		88.2	44-145			
cis-1,2-Dichloroethene	18.2	5.00	ug/L	20.00		91.1	77-137			
cis-1,3-Dichloropropene	20.8	5.00	ug/L	20.00		104	70-133			
Dibromochloromethane	18.9	5.00	ug/L	20.00		94.3	68-131			
Dibromomethane	20.9	5.00	ug/L	20.00		104	74-129			
Dichlorodifluoromethane	17.2	5.00	ug/L	20.00		86.0	41-145			
Ethylbenzene	19.8	5.00	ug/L	20.00		99.2	79-126			
Iodomethane	16.4	10.0	ug/L	20.00		82.1	52-150			
Methylene Chloride	20.1	5.00	ug/L	20.00		100	43-162			
Methyl tert-Butyl Ether	17.8	10.0	ug/L	20.00		88.9	63-134			
m,p-Xylene	41.0	10.0	ug/L	40.00		103	82-132			
n-Butylbenzene	22.0	5.00	ug/L	20.00		110	80-135			
n-Hexane	34.4	5.00	ug/L	21.20		162	10-216			
o-Xylene	20.4	5.00	ug/L	20.00		102	81-128			
Styrene	20.6	5.00	ug/L	20.00		103	81-129			
Tetrachloroethene	14.5	5.00	ug/L	20.00		72.6	43-152			
Toluene	20.3	5.00	ug/L	20.00		102	79-128			
trans-1,2-Dichloroethene	21.8	5.00	ug/L	20.00		109	60-144			
trans-1,3-Dichloropropene	21.4	5.00	ug/L	20.00		107	67-138			
Trichloroethene	21.6	5.00	ug/L	20.00		108	74-132			
Trichlorofluoromethane	22.7	5.00	ug/L	20.00		114	48-170			
Vinyl Chloride	16.9	1.00	ug/L	20.00		84.6	60-143			
Vinyl acetate	18.3	10.0	ug/L	20.00		91.5	16-196			
Surrogate: 4-Bromofluorobenzene	45.7		ug/L	50.00		91.4	41-140			
Surrogate: Dibromofluoromethane	47.6		ug/L	50.00		95.2	34-158			
Surrogate: Toluene-d8	49.0		ug/L	50.00		98.0	47-147			
Surrogate: 1,2-Dichloroethane-d4	44.8		ug/L	50.00		89.5	29-163			

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

Lab Order: 10J0915

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 1044282 - VOC PREP

LCS Dup (1044282-BSD1)

Prepared & Analyzed: 10/25/10

1,1,1,2-Tetrachloroethane	19.6	5.00	ug/L	20.00		98.0	78-128	0.509	16	
1,1,1-Trichloroethane	20.9	5.00	ug/L	20.00		105	70-135	2.81	20	
1,1,2,2-Tetrachloroethane	20.0	5.00	ug/L	20.00		100	68-135	5.30	19	
1,1,2-Trichloroethane	20.4	5.00	ug/L	20.00		102	74-131	1.31	16	
1,1-Dichloroethane	19.7	5.00	ug/L	20.00		98.3	72-134	2.47	19	
1,1-Dichloroethene	20.5	5.00	ug/L	20.00		103	62-143	2.67	20	
1,1-Dichloropropene	21.2	5.00	ug/L	20.00		106	82-128	2.33	18	
1,2-Dibromoethane	20.0	5.00	ug/L	20.00		100	67-132	2.08	13	
1,2-Dichloroethane	17.6	5.00	ug/L	20.00		88.0	72-131	0.856	16	
1,2-Dichloropropane	19.5	5.00	ug/L	20.00		97.7	75-128	3.01	19	
1,3-Dichloropropane	19.2	5.00	ug/L	20.00		96.0	73-130	0.364	13	
2,2-Dichloropropane	21.6	5.00	ug/L	20.00		108	45-173	2.53	25	
2-Butanone	66.0	20.0	ug/L	80.00		82.6	42-140	3.42	18	
2-Chlorotoluene	20.4	5.00	ug/L	20.00		102	76-126	0.689	20	
2-Hexanone	69.5	20.0	ug/L	80.00		86.9	18-178	2.06	17	
4-Chlorotoluene	20.4	5.00	ug/L	20.00		102	77-132	0.538	22	
4-Methyl-2-pentanone	84.0	20.0	ug/L	80.00		105	42-160	2.40	67	
Acetone	68.7	20.0	ug/L	80.00		85.8	30-173	1.30	24	
Acetonitrile	18.7	40.0	ug/L	20.00		93.4	58-150	9.24	25	
Acrylonitrile	17.4	20.0	ug/L	20.00		87.0	64-153	7.84	20	
Allyl chloride	20.3	5.00	ug/L	20.00		102	67-149	0.593	16	
Benzene	19.9	5.00	ug/L	20.00		99.4	77-126	1.88	19	
Bromobenzene	20.2	5.00	ug/L	20.00		101	72-131	0.495	20	
Bromochloromethane	20.2	5.00	ug/L	20.00		101	71-135	0.995	16	
Bromodichloromethane	19.4	5.00	ug/L	20.00		97.1	78-129	0.465	17	
Bromoform	16.8	5.00	ug/L	20.00		84.1	69-135	2.64	18	
Bromomethane	15.1	5.00	ug/L	20.00		75.6	14-193	0.0662	28	
Carbon Disulfide	21.7	20.0	ug/L	20.00		108	54-150	2.10	19	
Carbon Tetrachloride	14.9	5.00	ug/L	20.00		74.6	67-138	4.90	21	
Chlorobenzene	20.3	5.00	ug/L	20.00		102	77-125	0.296	19	
Chloroethane	16.8	5.00	ug/L	20.00		84.2	27-170	1.44	64	
Chloroform	21.3	5.00	ug/L	20.00		106	73-136	4.12	19	
Chloromethane	17.7	5.00	ug/L	20.00		88.6	44-145	0.339	26	
cis-1,2-Dichloroethene	18.7	5.00	ug/L	20.00		93.3	77-137	2.39	17	
cis-1,3-Dichloropropene	20.9	5.00	ug/L	20.00		105	70-133	0.527	19	
Dibromochloromethane	18.2	5.00	ug/L	20.00		91.2	68-131	3.34	18	
Dibromomethane	20.6	5.00	ug/L	20.00		103	74-129	1.20	16	
Dichlorodifluoromethane	17.0	5.00	ug/L	20.00		85.0	41-145	1.11	15	
Ethylbenzene	20.0	5.00	ug/L	20.00		100	79-126	0.903	20	
Iodomethane	18.3	10.0	ug/L	20.00		91.6	52-150	10.9	25	
Methylene Chloride	20.1	5.00	ug/L	20.00		101	43-162	0.149	28	
Methyl tert-Butyl Ether	17.9	10.0	ug/L	20.00		89.5	63-134	0.673	20	
m,p-Xylene	41.7	10.0	ug/L	40.00		104	82-132	1.60	18	
n-Butylbenzene	21.9	5.00	ug/L	20.00		109	80-135	0.547	18	
n-Hexane	32.8	5.00	ug/L	21.20		154	10-216	5.03	64	

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

Lab Order: 10J0915

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 1044282 - VOC PREP

LCS Dup (1044282-BSD1)

Prepared & Analyzed: 10/25/10

o-Xylene	20.8	5.00	ug/L	20.00		104	81-128	1.89	19	
Styrene	20.4	5.00	ug/L	20.00		102	81-129	0.876	17	
Tetrachloroethene	14.9	5.00	ug/L	20.00		74.7	43-152	2.85	29	
Toluene	20.8	5.00	ug/L	20.00		104	79-128	2.09	19	
trans-1,2-Dichloroethene	22.4	5.00	ug/L	20.00		112	60-144	2.76	20	
trans-1,3-Dichloropropene	20.8	5.00	ug/L	20.00		104	67-138	2.46	17	
Trichloroethene	22.1	5.00	ug/L	20.00		110	74-132	2.33	20	
Trichlorofluoromethane	22.4	5.00	ug/L	20.00		112	48-170	1.51	50	
Vinyl Chloride	17.3	1.00	ug/L	20.00		86.3	60-143	1.99	19	
Vinyl acetate	17.9	10.0	ug/L	20.00		89.4	16-196	2.38	45	
Surrogate: 4-Bromofluorobenzene	47.3		ug/L	50.00		94.7	41-140			
Surrogate: Dibromofluoromethane	50.1		ug/L	50.00		100	34-158			
Surrogate: Toluene-d8	51.6		ug/L	50.00		103	47-147			
Surrogate: 1,2-Dichloroethane-d4	46.1		ug/L	50.00		92.3	29-163			

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

Lab Order: 10J0915

Volatile Organic Compounds by EPA Method 8260A/B - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1044148 - VOC PREP

Blank (1044148-BLK1)

Prepared & Analyzed: 10/25/10

1,1,1,2-Tetrachloroethane	BDL	0.00500	mg/kg wet							
1,1,1-Trichloroethane	BDL	0.00500	mg/kg wet							
1,1,2,2-Tetrachloroethane	BDL	0.00500	mg/kg wet							
1,1,2-Trichloroethane	BDL	0.00500	mg/kg wet							
1,1-Dichloroethane	BDL	0.00500	mg/kg wet							
1,1-Dichloroethene	BDL	0.00500	mg/kg wet							
1,1-Dichloropropene	BDL	0.00500	mg/kg wet							
1,2-Dibromoethane	BDL	0.00500	mg/kg wet							
1,2-Dichloroethane	BDL	0.00500	mg/kg wet							
1,2-Dichloropropane	BDL	0.00500	mg/kg wet							
1,3-Dichloropropane	BDL	0.00500	mg/kg wet							
2,2-Dichloropropane	BDL	0.00500	mg/kg wet							
2-Butanone	BDL	0.0200	mg/kg wet							
2-Chlorotoluene	BDL	0.00500	mg/kg wet							
2-Hexanone	BDL	0.0200	mg/kg wet							
4-Chlorotoluene	BDL	0.00500	mg/kg wet							
4-Methyl-2-pentanone	BDL	0.0200	mg/kg wet							
Acetone	BDL	0.0500	mg/kg wet							
Acetonitrile	BDL	0.0400	mg/kg wet							
Acrolein	BDL	0.0200	mg/kg wet							
Acrylonitrile	BDL	0.0200	mg/kg wet							
Allyl chloride	BDL	0.0100	mg/kg wet							
Benzene	BDL	0.00500	mg/kg wet							
Bromobenzene	BDL	0.00500	mg/kg wet							
Bromochloromethane	BDL	0.00500	mg/kg wet							
Bromodichloromethane	BDL	0.00500	mg/kg wet							
Bromoform	BDL	0.00500	mg/kg wet							
Bromomethane	BDL	0.00500	mg/kg wet							
Carbon Disulfide	BDL	0.0200	mg/kg wet							
Carbon Tetrachloride	BDL	0.00500	mg/kg wet							
Chlorobenzene	BDL	0.00500	mg/kg wet							
Chloroethane	BDL	0.00500	mg/kg wet							
Chloroform	BDL	0.00500	mg/kg wet							
Chloromethane	BDL	0.00500	mg/kg wet							
cis-1,2-Dichloroethene	BDL	0.00500	mg/kg wet							
cis-1,3-Dichloropropene	BDL	0.00500	mg/kg wet							
Dibromochloromethane	BDL	0.00500	mg/kg wet							
Dibromomethane	BDL	0.00500	mg/kg wet							
Dichlorodifluoromethane	BDL	0.00500	mg/kg wet							
Ethylbenzene	BDL	0.00500	mg/kg wet							
Iodomethane	BDL	0.0100	mg/kg wet							
Methylene Chloride	0.00796	0.00500	mg/kg wet							O-01
Methyl tert-Butyl Ether	BDL	0.0100	mg/kg wet							
m,p-Xylene	BDL	0.0100	mg/kg wet							
n-Hexane	BDL	0.00500	mg/kg wet							

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

Lab Order: 10J0915

Volatile Organic Compounds by EPA Method 8260A/B - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1044148 - VOC PREP

Blank (1044148-BLK1)

Prepared & Analyzed: 10/25/10

o-Xylene	BDL	0.00500	mg/kg wet							
Styrene	BDL	0.00500	mg/kg wet							
Tetrachloroethene	BDL	0.00500	mg/kg wet							
Toluene	BDL	0.00500	mg/kg wet							
trans-1,2-Dichloroethene	BDL	0.00500	mg/kg wet							
trans-1,3-Dichloropropene	BDL	0.00500	mg/kg wet							
Trichloroethene	BDL	0.00500	mg/kg wet							
Trichlorofluoromethane	BDL	0.00500	mg/kg wet							
Vinyl Chloride	BDL	0.00500	mg/kg wet							
Vinyl acetate	BDL	0.0100	mg/kg wet							
<i>Surrogate: 4-Bromofluorobenzene</i>	63.3		ug/L	50.00		127	41-140			
<i>Surrogate: Dibromofluoromethane</i>	67.6		ug/L	50.00		135	33-129			S
<i>Surrogate: Toluene-d8</i>	69.6		ug/L	50.00		139	44-130			S
<i>Surrogate: 1,2-Dichloroethane-d4</i>	66.7		ug/L	50.00		133	31-123			S

LCS (1044148-BS1)

Prepared & Analyzed: 10/25/10

1,1,1,2-Tetrachloroethane	0.0251	0.00500	mg/kg wet	0.02000		125	69-142			
1,1,1-Trichloroethane	0.0216	0.00500	mg/kg wet	0.02000		108	58-127			
1,1,2,2-Tetrachloroethane	0.0272	0.00500	mg/kg wet	0.02000		136	74-141			
1,1,2-Trichloroethane	0.0247	0.00500	mg/kg wet	0.02000		123	73-140			
1,1-Dichloroethane	0.0202	0.00500	mg/kg wet	0.02000		101	60-130			
1,1-Dichloroethene	0.0161	0.00500	mg/kg wet	0.02000		80.4	62-142			
1,1-Dichloropropene	0.0214	0.00500	mg/kg wet	0.02000		107	63-142			
1,2-Dibromoethane	0.0262	0.00500	mg/kg wet	0.02000		131	72-140			
1,2-Dichloroethane	0.0240	0.00500	mg/kg wet	0.02000		120	70-142			
1,2-Dichloropropane	0.0234	0.00500	mg/kg wet	0.02000		117	66-139			
1,3-Dichloropropane	0.0249	0.00500	mg/kg wet	0.02000		124	75-139			
2,2-Dichloropropane	0.0204	0.00500	mg/kg wet	0.02000		102	10-180			
2-Butanone	0.0682	0.0200	mg/kg wet	0.08000		85.2	44-120			
2-Chlorotoluene	0.0239	0.00500	mg/kg wet	0.02000		119	69-137			
2-Hexanone	0.105	0.0200	mg/kg wet	0.08000		131	10-172			
4-Chlorotoluene	0.0244	0.00500	mg/kg wet	0.02000		122	71-140			
4-Methyl-2-pentanone	0.111	0.0200	mg/kg wet	0.08000		139	10-185			
Acetone	0.0893	0.0500	mg/kg wet	0.08000		112	10-229			
Acetonitrile	0.0262	0.0400	mg/kg wet	0.02000		131	35-169			
Acrylonitrile	0.0235	0.0200	mg/kg wet	0.02000		118	64-150			
Allyl chloride	0.0198	0.0100	mg/kg wet	0.02000		98.8	50-149			
Benzene	0.0219	0.00500	mg/kg wet	0.02000		109	64-138			
Bromobenzene	0.0245	0.00500	mg/kg wet	0.02000		123	73-140			
Bromochloromethane	0.0233	0.00500	mg/kg wet	0.02000		117	72-132			
Bromodichloromethane	0.0244	0.00500	mg/kg wet	0.02000		122	72-138			
Bromoform	0.0284	0.00500	mg/kg wet	0.02000		142	70-144			
Bromomethane	0.0278	0.00500	mg/kg wet	0.02000		139	10-199			
Carbon Disulfide	0.0152	0.0200	mg/kg wet	0.02000		75.9	38-148			
Carbon Tetrachloride	0.0198	0.00500	mg/kg wet	0.02000		99.2	49-148			

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

Lab Order: 10J0915

Volatile Organic Compounds by EPA Method 8260A/B - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1044148 - VOC PREP

LCS (1044148-BS1)

Prepared & Analyzed: 10/25/10

Chlorobenzene	0.0243	0.00500	mg/kg wet	0.02000		122	70-135			
Chloroethane	0.0264	0.00500	mg/kg wet	0.02000		132	17-186			
Chloroform	0.0225	0.00500	mg/kg wet	0.02000		113	64-134			
Chloromethane	0.0218	0.00500	mg/kg wet	0.02000		109	47-143			
cis-1,2-Dichloroethene	0.0210	0.00500	mg/kg wet	0.02000		105	66-138			
cis-1,3-Dichloropropene	0.0258	0.00500	mg/kg wet	0.02000		129	66-141			
Dibromochloromethane	0.0269	0.00500	mg/kg wet	0.02000		135	70-139			
Dibromomethane	0.0255	0.00500	mg/kg wet	0.02000		128	76-135			
Dichlorodifluoromethane	0.0284	0.00500	mg/kg wet	0.02000		142	20-181			
Ethylbenzene	0.0234	0.00500	mg/kg wet	0.02000		117	71-134			
Iodomethane	0.0250	0.0100	mg/kg wet	0.02000		125	13-162			
Methylene Chloride	0.0221	0.00500	mg/kg wet	0.02000		110	10-195			
Methyl tert-Butyl Ether	0.0225	0.0100	mg/kg wet	0.02000		112	54-153			B
m,p-Xylene	0.0471	0.0100	mg/kg wet	0.04000		118	70-138			
n-Hexane	0.0271	0.00500	mg/kg wet	0.02120		128	10-185			
o-Xylene	0.0242	0.00500	mg/kg wet	0.02000		121	72-139			
Styrene	0.0256	0.00500	mg/kg wet	0.02000		128	71-142			
Tetrachloroethene	0.0186	0.00500	mg/kg wet	0.02000		92.8	41-161			
Toluene	0.0224	0.00500	mg/kg wet	0.02000		112	70-136			
trans-1,2-Dichloroethene	0.0197	0.00500	mg/kg wet	0.02000		98.6	36-159			
trans-1,3-Dichloropropene	0.0258	0.00500	mg/kg wet	0.02000		129	64-142			
Trichloroethene	0.0226	0.00500	mg/kg wet	0.02000		113	65-136			
Trichlorofluoromethane	0.0254	0.00500	mg/kg wet	0.02000		127	41-163			
Vinyl Chloride	0.0255	0.00500	mg/kg wet	0.02000		128	45-149			
Vinyl acetate	0.0390	0.0100	mg/kg wet	0.02000		195	10-208			
Surrogate: 4-Bromofluorobenzene	53.8		ug/L	50.00		108	41-140			
Surrogate: Dibromofluoromethane	53.1		ug/L	50.00		106	33-129			
Surrogate: Toluene-d8	52.0		ug/L	50.00		104	44-130			
Surrogate: 1,2-Dichloroethane-d4	57.5		ug/L	50.00		115	31-123			

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

Lab Order: 10J0915

Volatile Organic Compounds by EPA Method 8260A/B - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1044148 - VOC PREP

LCS Dup (1044148-BSD1)

Prepared & Analyzed: 10/25/10

1,1,1,2-Tetrachloroethane	0.0269	0.00500	mg/kg wet	0.02000		134	69-142	6.89	23	
1,1,1-Trichloroethane	0.0236	0.00500	mg/kg wet	0.02000		118	58-127	8.86	20	
1,1,2,2-Tetrachloroethane	0.0271	0.00500	mg/kg wet	0.02000		136	74-141	0.184	20	
1,1,2-Trichloroethane	0.0262	0.00500	mg/kg wet	0.02000		131	73-140	6.05	15	
1,1-Dichloroethane	0.0222	0.00500	mg/kg wet	0.02000		111	60-130	9.47	20	
1,1-Dichloroethene	0.0176	0.00500	mg/kg wet	0.02000		88.0	62-142	9.14	20	
1,1-Dichloropropene	0.0239	0.00500	mg/kg wet	0.02000		119	63-142	10.9	24	
1,2-Dibromoethane	0.0261	0.00500	mg/kg wet	0.02000		130	72-140	0.459	20	
1,2-Dichloroethane	0.0251	0.00500	mg/kg wet	0.02000		126	70-142	4.56	18	
1,2-Dichloropropane	0.0250	0.00500	mg/kg wet	0.02000		125	66-139	6.66	22	
1,3-Dichloropropane	0.0258	0.00500	mg/kg wet	0.02000		129	75-139	3.82	17	
2,2-Dichloropropane	0.0222	0.00500	mg/kg wet	0.02000		111	10-180	8.17	40	
2-Butanone	0.0676	0.0200	mg/kg wet	0.08000		84.6	44-120	0.825	29	
2-Chlorotoluene	0.0262	0.00500	mg/kg wet	0.02000		131	69-137	9.41	30	
2-Hexanone	0.102	0.0200	mg/kg wet	0.08000		127	10-172	3.07	40	
4-Chlorotoluene	0.0270	0.00500	mg/kg wet	0.02000		135	71-140	10.2	30	
4-Methyl-2-pentanone	0.108	0.0200	mg/kg wet	0.08000		135	10-185	2.78	100	
Acetone	0.0861	0.0500	mg/kg wet	0.08000		108	10-229	3.67	40	
Acetonitrile	0.0248	0.0400	mg/kg wet	0.02000		124	35-169	5.81	69	
Acrylonitrile	0.0240	0.0200	mg/kg wet	0.02000		120	64-150	1.94	34	
Allyl chloride	0.0207	0.0100	mg/kg wet	0.02000		103	50-149	4.55	35	
Benzene	0.0239	0.00500	mg/kg wet	0.02000		119	64-138	8.70	25	
Bromobenzene	0.0269	0.00500	mg/kg wet	0.02000		135	73-140	9.29	30	
Bromochloromethane	0.0244	0.00500	mg/kg wet	0.02000		122	72-132	4.73	25	
Bromodichloromethane	0.0258	0.00500	mg/kg wet	0.02000		129	72-138	5.65	25	
Bromoform	0.0283	0.00500	mg/kg wet	0.02000		142	70-144	0.212	30	
Bromomethane	0.0303	0.00500	mg/kg wet	0.02000		152	10-199	8.49	40	
Carbon Disulfide	0.0176	0.0200	mg/kg wet	0.02000		87.8	38-148	14.6	36	
Carbon Tetrachloride	0.0205	0.00500	mg/kg wet	0.02000		103	49-148	3.52	34	
Chlorobenzene	0.0262	0.00500	mg/kg wet	0.02000		131	70-135	7.63	21	
Chloroethane	0.0260	0.00500	mg/kg wet	0.02000		130	17-186	1.37	99	
Chloroform	0.0246	0.00500	mg/kg wet	0.02000		123	64-134	8.67	28	
Chloromethane	0.0222	0.00500	mg/kg wet	0.02000		111	47-143	2.00	25	
cis-1,2-Dichloroethene	0.0233	0.00500	mg/kg wet	0.02000		116	66-138	10.3	25	
cis-1,3-Dichloropropene	0.0249	0.00500	mg/kg wet	0.02000		125	66-141	3.62	25	
Dibromochloromethane	0.0278	0.00500	mg/kg wet	0.02000		139	70-139	3.32	25	
Dibromomethane	0.0260	0.00500	mg/kg wet	0.02000		130	76-135	1.75	23	
Dichlorodifluoromethane	0.0295	0.00500	mg/kg wet	0.02000		148	20-181	4.08	34	
Ethylbenzene	0.0257	0.00500	mg/kg wet	0.02000		128	71-134	9.25	31	
Iodomethane	0.0218	0.0100	mg/kg wet	0.02000		109	13-162	13.7	31	
Methylene Chloride	0.0226	0.00500	mg/kg wet	0.02000		113	10-195	2.15	51	B
Methyl tert-Butyl Ether	0.0228	0.0100	mg/kg wet	0.02000		114	54-153	1.41	35	
m,p-Xylene	0.0519	0.0100	mg/kg wet	0.04000		130	70-138	9.64	31	
n-Hexane	0.0287	0.00500	mg/kg wet	0.02120		135	10-185	5.73	60	
o-Xylene	0.0266	0.00500	mg/kg wet	0.02000		133	72-139	9.33	23	

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

Lab Order: 10J0915

**Volatile Organic Compounds by EPA Method 8260A/B - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 1044148 - VOC PREP**

**LCS Dup (1044148-BSD1)**

Prepared & Analyzed: 10/25/10

Styrene	0.0277	0.00500	mg/kg wet	0.02000		138	71-142	7.93	22	
Tetrachloroethene	0.0234	0.00500	mg/kg wet	0.02000		117	41-161	23.0	40	
Toluene	0.0245	0.00500	mg/kg wet	0.02000		122	70-136	8.69	22	
trans-1,2-Dichloroethene	0.0217	0.00500	mg/kg wet	0.02000		109	36-159	9.60	24	
trans-1,3-Dichloropropene	0.0249	0.00500	mg/kg wet	0.02000		125	64-142	3.62	20	
Trichloroethene	0.0249	0.00500	mg/kg wet	0.02000		125	65-136	9.72	23	
Trichlorofluoromethane	0.0260	0.00500	mg/kg wet	0.02000		130	41-163	2.22	26	
Vinyl Chloride	0.0257	0.00500	mg/kg wet	0.02000		129	45-149	0.937	27	
Vinyl acetate	0.0339	0.0100	mg/kg wet	0.02000		169	10-208	14.0	77	
<i>Surrogate: 4-Bromofluorobenzene</i>	58.8		ug/L	50.00		118	41-140			
<i>Surrogate: Dibromofluoromethane</i>	58.1		ug/L	50.00		116	33-129			
<i>Surrogate: Toluene-d8</i>	57.5		ug/L	50.00		115	44-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	60.7		ug/L	50.00		121	31-123			

**Matrix Spike (1044148-MS1)**

Source: 10J0915-10

Prepared & Analyzed: 10/25/10

1,1,1,2-Tetrachloroethane	0.0224	0.00503	mg/kg dry	0.02096	ND	107	38-121			
1,1,1-Trichloroethane	0.0229	0.00503	mg/kg dry	0.02096	ND	109	35-131			
1,1,2,2-Tetrachloroethane	0.0198	0.00503	mg/kg dry	0.02096	ND	94.6	12-144			
1,1,2-Trichloroethane	0.0240	0.00503	mg/kg dry	0.02096	ND	115	33-126			
1,1-Dichloroethane	0.0240	0.00503	mg/kg dry	0.02096	ND	114	44-119			
1,1-Dichloroethene	0.0213	0.00503	mg/kg dry	0.02096	ND	102	31-125			
1,1-Dichloropropene	0.0222	0.00503	mg/kg dry	0.02096	ND	106	34-126			
1,2-Dibromoethane	0.0211	0.00503	mg/kg dry	0.02096	ND	101	31-123			
1,2-Dichloroethane	0.0251	0.00503	mg/kg dry	0.02096	ND	120	48-114			
1,2-Dichloropropane	0.0247	0.00503	mg/kg dry	0.02096	ND	118	44-118			
1,3-Dichloropropane	0.0229	0.00503	mg/kg dry	0.02096	ND	109	31-128			
2,2-Dichloropropane	0.0223	0.00503	mg/kg dry	0.02096	ND	107	10-149			
2-Butanone	0.0725	0.0201	mg/kg dry	0.08384	ND	86.4	10-159			
2-Chlorotoluene	0.0190	0.00503	mg/kg dry	0.02096	ND	90.7	18-108			
2-Hexanone	0.0953	0.0201	mg/kg dry	0.08384	ND	114	10-194			
4-Chlorotoluene	0.0173	0.00503	mg/kg dry	0.02096	ND	82.7	10-116			
4-Methyl-2-pentanone	0.100	0.0201	mg/kg dry	0.08384	ND	120	10-186			
Acetone	0.0933	0.0503	mg/kg dry	0.08384	ND	111	10-218			
Acetonitrile	0.0247	0.0402	mg/kg dry	0.02096	ND	118	22-170			
Acrylonitrile	0.0243	0.0201	mg/kg dry	0.02096	ND	116	22-140			
Allyl chloride	0.0224	0.0101	mg/kg dry	0.02096	ND	107	28-128			
Benzene	0.0235	0.00503	mg/kg dry	0.02096	ND	112	39-126			
Bromobenzene	0.0178	0.00503	mg/kg dry	0.02096	ND	84.9	15-109			
Bromochloromethane	0.0239	0.00503	mg/kg dry	0.02096	ND	114	47-124			
Bromodichloromethane	0.0240	0.00503	mg/kg dry	0.02096	ND	115	40-114			
Bromoform	0.0195	0.00503	mg/kg dry	0.02096	ND	93.3	19-119			
Bromomethane	0.0290	0.00503	mg/kg dry	0.02096	ND	138	10-173			
Carbon Disulfide	0.0188	0.0201	mg/kg dry	0.02096	ND	89.7	17-133			
Carbon Tetrachloride	0.0192	0.00503	mg/kg dry	0.02096	ND	91.6	23-128			
Chlorobenzene	0.0203	0.00503	mg/kg dry	0.02096	ND	96.7	27-111			



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

Lab Order: 10J0915

**Volatile Organic Compounds by EPA Method 8260A/B - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 1044148 - VOC PREP**

Matrix Spike (1044148-MS1)	Source: 10J0915-10			Prepared & Analyzed: 10/25/10						
Chloroethane	BDL	0.00503	mg/kg dry	0.02096	ND		17-153			
Chloroform	0.0252	0.00503	mg/kg dry	0.02096	ND	120	35-130			
Chloromethane	0.0243	0.00503	mg/kg dry	0.02096	ND	116	22-139			
cis-1,2-Dichloroethene	0.0238	0.00503	mg/kg dry	0.02096	ND	113	42-118			
cis-1,3-Dichloropropene	0.0222	0.00503	mg/kg dry	0.02096	ND	106	27-113			
Dibromochloromethane	0.0213	0.00503	mg/kg dry	0.02096	ND	102	29-122			
Dibromomethane	0.0245	0.00503	mg/kg dry	0.02096	ND	117	39-126			
Dichlorodifluoromethane	0.0303	0.00503	mg/kg dry	0.02096	ND	145	10-184			
Ethylbenzene	0.0224	0.00503	mg/kg dry	0.02096	0.00195	97.5	27-117			
Iodomethane	0.0212	0.0101	mg/kg dry	0.02096	ND	101	10-127			
Methylene Chloride	0.0398	0.00503	mg/kg dry	0.02096	0.0175	106	10-179			B
Methyl tert-Butyl Ether	0.0245	0.0101	mg/kg dry	0.02096	ND	117	38-126			
m,p-Xylene	0.0483	0.0101	mg/kg dry	0.04192	0.00695	98.7	26-114			
n-Hexane	0.0296	0.00503	mg/kg dry	0.02222	ND	133	10-122			
o-Xylene	0.0234	0.00503	mg/kg dry	0.02096	0.00215	101	28-119			
Styrene	0.0195	0.00503	mg/kg dry	0.02096	ND	93.1	17-104			
Tetrachloroethene	0.0225	0.00503	mg/kg dry	0.02096	ND	107	24-114			
Toluene	0.0260	0.00503	mg/kg dry	0.02096	0.00375	106	32-121			
trans-1,2-Dichloroethene	0.0220	0.00503	mg/kg dry	0.02096	ND	105	32-122			
trans-1,3-Dichloropropene	0.0222	0.00503	mg/kg dry	0.02096	ND	106	19-109			
Trichloroethene	0.0223	0.00503	mg/kg dry	0.02096	ND	107	42-109			
Trichlorofluoromethane	0.0256	0.00503	mg/kg dry	0.02096	ND	122	10-158			
Vinyl Chloride	0.0261	0.00503	mg/kg dry	0.02096	ND	125	22-143			
Vinyl acetate	0.00539	0.0101	mg/kg dry	0.02096	ND	25.7	10-127			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>40.2</i>		<i>ug/L</i>	<i>50.00</i>		<i>80.3</i>	<i>41-140</i>			
<i>Surrogate: Dibromofluoromethane</i>	<i>57.8</i>		<i>ug/L</i>	<i>50.00</i>		<i>116</i>	<i>33-129</i>			
<i>Surrogate: Toluene-d8</i>	<i>52.8</i>		<i>ug/L</i>	<i>50.00</i>		<i>106</i>	<i>44-130</i>			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>61.7</i>		<i>ug/L</i>	<i>50.00</i>		<i>123</i>	<i>31-123</i>			

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

Lab Order: 10J0915

Volatile Organic Compounds by EPA Method 8260A/B - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1044148 - VOC PREP

Matrix Spike Dup (1044148-MSD1)	Source: 10J0915-10			Prepared & Analyzed: 10/25/10						
1,1,1,2-Tetrachloroethane	0.0236	0.00514	mg/kg dry	0.02096	ND	113	38-121	5.33	50	
1,1,1-Trichloroethane	0.0248	0.00514	mg/kg dry	0.02096	ND	118	35-131	7.87	60	
1,1,2,2-Tetrachloroethane	0.0196	0.00514	mg/kg dry	0.02096	ND	93.3	12-144	1.35	51	
1,1,2-Trichloroethane	0.0256	0.00514	mg/kg dry	0.02096	ND	122	33-126	6.45	46	
1,1-Dichloroethane	0.0255	0.00514	mg/kg dry	0.02096	ND	122	44-119	6.05	48	
1,1-Dichloroethene	0.0231	0.00514	mg/kg dry	0.02096	ND	110	31-125	7.78	61	
1,1-Dichloropropene	0.0241	0.00514	mg/kg dry	0.02096	ND	115	34-126	8.26	81	
1,2-Dibromoethane	0.0220	0.00514	mg/kg dry	0.02096	ND	105	31-123	4.13	56	
1,2-Dichloroethane	0.0269	0.00514	mg/kg dry	0.02096	ND	128	48-114	6.91	40	
1,2-Dichloropropane	0.0268	0.00514	mg/kg dry	0.02096	ND	128	44-118	8.10	48	
1,3-Dichloropropane	0.0250	0.00514	mg/kg dry	0.02096	ND	119	31-128	8.81	50	
2,2-Dichloropropane	0.0229	0.00514	mg/kg dry	0.02096	ND	109	10-149	2.29	50	
2-Butanone	0.0769	0.0205	mg/kg dry	0.08384	ND	91.7	10-159	5.89	60	
2-Chlorotoluene	0.0198	0.00514	mg/kg dry	0.02096	ND	94.3	18-108	3.90	75	
2-Hexanone	0.103	0.0205	mg/kg dry	0.08384	ND	122	10-194	7.46	58	
4-Chlorotoluene	0.0176	0.00514	mg/kg dry	0.02096	ND	84.1	10-116	1.71	80	
4-Methyl-2-pentanone	0.106	0.0205	mg/kg dry	0.08384	ND	126	10-186	5.48	60	
Acetone	0.104	0.0514	mg/kg dry	0.08384	ND	124	10-218	10.5	60	
Acetonitrile	0.0262	0.0411	mg/kg dry	0.02096	ND	125	22-170	5.90	70	
Acrylonitrile	0.0260	0.0205	mg/kg dry	0.02096	ND	124	22-140	6.91	69	
Allyl chloride	0.0211	0.0103	mg/kg dry	0.02096	ND	101	28-128	6.11	68	
Benzene	0.0254	0.00514	mg/kg dry	0.02096	ND	121	39-126	7.67	61	
Bromobenzene	0.0187	0.00514	mg/kg dry	0.02096	ND	89.2	15-109	4.96	50	
Bromochloromethane	0.0253	0.00514	mg/kg dry	0.02096	ND	121	47-124	5.86	48	
Bromodichloromethane	0.0255	0.00514	mg/kg dry	0.02096	ND	122	40-114	5.88	49	
Bromoform	0.0206	0.00514	mg/kg dry	0.02096	ND	98.1	19-119	5.05	63	
Bromomethane	0.0289	0.00514	mg/kg dry	0.02096	ND	138	10-173	0.398	40	
Carbon Disulfide	0.0200	0.0205	mg/kg dry	0.02096	ND	95.3	17-133	6.05	74	
Carbon Tetrachloride	0.0188	0.00514	mg/kg dry	0.02096	ND	89.9	23-128	1.95	60	
Chlorobenzene	0.0213	0.00514	mg/kg dry	0.02096	ND	101	27-111	4.75	50	
Chloroethane	BDL	0.00514	mg/kg dry	0.02096	ND		17-153		75	
Chloroform	0.0270	0.00514	mg/kg dry	0.02096	ND	129	35-130	6.58	52	
Chloromethane	0.0265	0.00514	mg/kg dry	0.02096	ND	126	22-139	8.50	42	
cis-1,2-Dichloroethene	0.0255	0.00514	mg/kg dry	0.02096	ND	122	42-118	6.89	63	
cis-1,3-Dichloropropene	0.0210	0.00514	mg/kg dry	0.02096	ND	100	27-113	5.57	50	
Dibromochloromethane	0.0223	0.00514	mg/kg dry	0.02096	ND	107	29-122	4.90	59	
Dibromomethane	0.0261	0.00514	mg/kg dry	0.02096	ND	124	39-126	6.20	48	
Dichlorodifluoromethane	0.0340	0.00514	mg/kg dry	0.02096	ND	162	10-184	11.4	108	
Ethylbenzene	0.0242	0.00514	mg/kg dry	0.02096	0.00195	106	27-117	7.74	40	
Iodomethane	0.0183	0.0103	mg/kg dry	0.02096	ND	87.3	10-127	14.7	50	
Methylene Chloride	0.0419	0.00514	mg/kg dry	0.02096	0.0175	116	10-179	5.20	58	B
Methyl tert-Butyl Ether	0.0257	0.0103	mg/kg dry	0.02096	ND	123	38-126	4.61	50	
m,p-Xylene	0.0514	0.0103	mg/kg dry	0.04192	0.00695	106	26-114	6.10	40	
n-Hexane	0.0291	0.00514	mg/kg dry	0.02222	ND	131	10-122	1.75	70	
o-Xylene	0.0250	0.00514	mg/kg dry	0.02096	0.00215	109	28-119	6.85	40	

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

Lab Order: 10J0915

**Volatile Organic Compounds by EPA Method 8260A/B - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 1044148 - VOC PREP**

**Matrix Spike Dup (1044148-MSD1)**

Source: 10J0915-10

Prepared & Analyzed: 10/25/10

Styrene	0.0206	0.00514	mg/kg dry	0.02096	ND	98.3	17-104	5.51	40	
Tetrachloroethene	0.0246	0.00514	mg/kg dry	0.02096	ND	117	24-114	8.92	50	
Toluene	0.0284	0.00514	mg/kg dry	0.02096	0.00375	118	32-121	8.90	40	
trans-1,2-Dichloroethene	0.0234	0.00514	mg/kg dry	0.02096	ND	111	32-122	5.87	50	
trans-1,3-Dichloropropene	0.0210	0.00514	mg/kg dry	0.02096	ND	100	19-109	5.57	51	
Trichloroethene	0.0249	0.00514	mg/kg dry	0.02096	ND	119	42-109	10.6	38	
Trichlorofluoromethane	0.0290	0.00514	mg/kg dry	0.02096	ND	138	10-158	12.5	120	
Vinyl Chloride	0.0293	0.00514	mg/kg dry	0.02096	ND	140	22-143	11.5	60	
Vinyl acetate	BDL	0.0103	mg/kg dry	0.02096	ND		10-127		119	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>42.3</i>		<i>ug/L</i>	<i>50.00</i>		<i>84.5</i>	<i>41-140</i>			
<i>Surrogate: Dibromofluoromethane</i>	<i>59.9</i>		<i>ug/L</i>	<i>50.00</i>		<i>120</i>	<i>33-129</i>			
<i>Surrogate: Toluene-d8</i>	<i>56.1</i>		<i>ug/L</i>	<i>50.00</i>		<i>112</i>	<i>44-130</i>			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>63.4</i>		<i>ug/L</i>	<i>50.00</i>		<i>127</i>	<i>31-123</i>			

**Batch 1045116 - VOC PREP**

**Blank (1045116-BLK1)**

Prepared & Analyzed: 10/27/10

1,1,1,2-Tetrachloroethane	BDL	0.00500	mg/kg wet							
1,1,1-Trichloroethane	BDL	0.00500	mg/kg wet							
1,1,2,2-Tetrachloroethane	BDL	0.00500	mg/kg wet							
1,1,2-Trichloroethane	BDL	0.00500	mg/kg wet							
1,1-Dichloroethane	BDL	0.00500	mg/kg wet							
1,1-Dichloroethene	BDL	0.00500	mg/kg wet							
1,1-Dichloropropene	BDL	0.00500	mg/kg wet							
1,2-Dibromoethane	BDL	0.00500	mg/kg wet							
1,2-Dichloroethane	BDL	0.00500	mg/kg wet							
1,2-Dichloropropane	BDL	0.00500	mg/kg wet							
1,3-Dichloropropane	BDL	0.00500	mg/kg wet							
2,2-Dichloropropane	BDL	0.00500	mg/kg wet							
2-Butanone	BDL	0.0200	mg/kg wet							
2-Chlorotoluene	BDL	0.00500	mg/kg wet							
2-Hexanone	BDL	0.0200	mg/kg wet							
4-Chlorotoluene	BDL	0.00500	mg/kg wet							
4-Methyl-2-pentanone	BDL	0.0200	mg/kg wet							
Acetone	BDL	0.0500	mg/kg wet							
Acetonitrile	BDL	0.0400	mg/kg wet							
Acrolein	BDL	0.0200	mg/kg wet							
Acrylonitrile	BDL	0.0200	mg/kg wet							
Allyl chloride	BDL	0.0100	mg/kg wet							
Benzene	BDL	0.00500	mg/kg wet							
Bromobenzene	BDL	0.00500	mg/kg wet							
Bromochloromethane	BDL	0.00500	mg/kg wet							
Bromodichloromethane	BDL	0.00500	mg/kg wet							
Bromoform	BDL	0.00500	mg/kg wet							
Bromomethane	BDL	0.00500	mg/kg wet							

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

Lab Order: 10J0915

Volatile Organic Compounds by EPA Method 8260A/B - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1045116 - VOC PREP

Blank (1045116-BLK1)

Prepared & Analyzed: 10/27/10

Carbon Disulfide	BDL	0.0200	mg/kg wet							
Carbon Tetrachloride	BDL	0.00500	mg/kg wet							
Chlorobenzene	BDL	0.00500	mg/kg wet							
Chloroethane	BDL	0.00500	mg/kg wet							
Chloroform	BDL	0.00500	mg/kg wet							
Chloromethane	BDL	0.00500	mg/kg wet							
cis-1,2-Dichloroethene	BDL	0.00500	mg/kg wet							
cis-1,3-Dichloropropene	BDL	0.00500	mg/kg wet							
Dibromochloromethane	BDL	0.00500	mg/kg wet							
Dibromomethane	BDL	0.00500	mg/kg wet							
Dichlorodifluoromethane	BDL	0.00500	mg/kg wet							
Ethylbenzene	BDL	0.00500	mg/kg wet							
Iodomethane	BDL	0.0100	mg/kg wet							
Methylene Chloride	BDL	0.00500	mg/kg wet							
Methyl tert-Butyl Ether	BDL	0.0100	mg/kg wet							
m,p-Xylene	BDL	0.0100	mg/kg wet							
n-Hexane	BDL	0.00500	mg/kg wet							
o-Xylene	BDL	0.00500	mg/kg wet							
Styrene	BDL	0.00500	mg/kg wet							
Tetrachloroethene	BDL	0.00500	mg/kg wet							
Toluene	BDL	0.00500	mg/kg wet							
trans-1,2-Dichloroethene	BDL	0.00500	mg/kg wet							
trans-1,3-Dichloropropene	BDL	0.00500	mg/kg wet							
Trichloroethene	BDL	0.00500	mg/kg wet							
Trichlorofluoromethane	BDL	0.00500	mg/kg wet							
Vinyl Chloride	BDL	0.00500	mg/kg wet							
Vinyl acetate	BDL	0.0100	mg/kg wet							
Surrogate: 4-Bromofluorobenzene	41.2		ug/L	50.00		82.3	41-140			
Surrogate: Dibromofluoromethane	36.6		ug/L	50.00		73.3	33-129			
Surrogate: Toluene-d8	38.2		ug/L	50.00		76.4	44-130			
Surrogate: 1,2-Dichloroethane-d4	36.6		ug/L	50.00		73.2	31-123			

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

Lab Order: 10J0915

Volatile Organic Compounds by EPA Method 8260A/B - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1045116 - VOC PREP

LCS (1045116-BS1)

Prepared & Analyzed: 10/27/10

1,1,1,2-Tetrachloroethane	0.0242	0.00500	mg/kg wet	0.02000		121	69-142			
1,1,1-Trichloroethane	0.0202	0.00500	mg/kg wet	0.02000		101	58-127			
1,1,2,2-Tetrachloroethane	0.0258	0.00500	mg/kg wet	0.02000		129	74-141			
1,1,2-Trichloroethane	0.0247	0.00500	mg/kg wet	0.02000		123	73-140			
1,1-Dichloroethane	0.0208	0.00500	mg/kg wet	0.02000		104	60-130			
1,1-Dichloroethene	0.0204	0.00500	mg/kg wet	0.02000		102	62-142			
1,1-Dichloropropene	0.0194	0.00500	mg/kg wet	0.02000		96.8	63-142			
1,2-Dibromoethane	0.0234	0.00500	mg/kg wet	0.02000		117	72-140			
1,2-Dichloroethane	0.0203	0.00500	mg/kg wet	0.02000		101	70-142			
1,2-Dichloropropane	0.0220	0.00500	mg/kg wet	0.02000		110	66-139			
1,3-Dichloropropane	0.0231	0.00500	mg/kg wet	0.02000		116	75-139			
2,2-Dichloropropane	0.0212	0.00500	mg/kg wet	0.02000		106	10-180			
2-Butanone	0.0699	0.0200	mg/kg wet	0.08000		87.4	44-120			
2-Chlorotoluene	0.0245	0.00500	mg/kg wet	0.02000		123	69-137			
2-Hexanone	0.0988	0.0200	mg/kg wet	0.08000		124	10-172			
4-Chlorotoluene	0.0254	0.00500	mg/kg wet	0.02000		127	71-140			
4-Methyl-2-pentanone	0.0983	0.0200	mg/kg wet	0.08000		123	10-185			
Acetone	0.0758	0.0500	mg/kg wet	0.08000		94.8	10-229			
Acetonitrile	0.0203	0.0400	mg/kg wet	0.02000		102	35-169			
Acrylonitrile	0.0228	0.0200	mg/kg wet	0.02000		114	64-150			
Allyl chloride	0.0221	0.0100	mg/kg wet	0.02000		110	50-149			
Benzene	0.0199	0.00500	mg/kg wet	0.02000		99.5	64-138			
Bromobenzene	0.0240	0.00500	mg/kg wet	0.02000		120	73-140			
Bromochloromethane	0.0218	0.00500	mg/kg wet	0.02000		109	72-132			
Bromodichloromethane	0.0231	0.00500	mg/kg wet	0.02000		116	72-138			
Bromoform	0.0253	0.00500	mg/kg wet	0.02000		126	70-144			
Bromomethane	0.0391	0.00500	mg/kg wet	0.02000		196	10-199			
Carbon Disulfide	0.0172	0.0200	mg/kg wet	0.02000		85.9	38-148			
Carbon Tetrachloride	0.0198	0.00500	mg/kg wet	0.02000		99.0	49-148			
Chlorobenzene	0.0236	0.00500	mg/kg wet	0.02000		118	70-135			
Chloroethane	0.00246	0.00500	mg/kg wet	0.02000		12.3	17-186			A-01
Chloroform	0.0205	0.00500	mg/kg wet	0.02000		103	64-134			
Chloromethane	0.0200	0.00500	mg/kg wet	0.02000		100	47-143			
cis-1,2-Dichloroethene	0.0208	0.00500	mg/kg wet	0.02000		104	66-138			
cis-1,3-Dichloropropene	0.0219	0.00500	mg/kg wet	0.02000		110	66-141			
Dibromochloromethane	0.0252	0.00500	mg/kg wet	0.02000		126	70-139			
Dibromomethane	0.0223	0.00500	mg/kg wet	0.02000		111	76-135			
Dichlorodifluoromethane	0.0205	0.00500	mg/kg wet	0.02000		103	20-181			
Ethylbenzene	0.0230	0.00500	mg/kg wet	0.02000		115	71-134			
Iodomethane	0.0210	0.0100	mg/kg wet	0.02000		105	13-162			
Methylene Chloride	0.0180	0.00500	mg/kg wet	0.02000		90.2	10-195			
Methyl tert-Butyl Ether	0.0225	0.0100	mg/kg wet	0.02000		112	54-153			
m,p-Xylene	0.0475	0.0100	mg/kg wet	0.04000		119	70-138			
n-Hexane	0.0213	0.00500	mg/kg wet	0.02120		100	10-185			
o-Xylene	0.0236	0.00500	mg/kg wet	0.02000		118	72-139			

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

Lab Order: 10J0915

Volatile Organic Compounds by EPA Method 8260A/B - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1045116 - VOC PREP

LCS (1045116-BS1)

Prepared & Analyzed: 10/27/10

Styrene	0.0253	0.00500	mg/kg wet	0.02000		127	71-142			
Tetrachloroethene	0.0203	0.00500	mg/kg wet	0.02000		102	41-161			
Toluene	0.0204	0.00500	mg/kg wet	0.02000		102	70-136			
trans-1,2-Dichloroethene	0.0205	0.00500	mg/kg wet	0.02000		103	36-159			
trans-1,3-Dichloropropene	0.0247	0.00500	mg/kg wet	0.02000		124	64-142			
Trichloroethene	0.0208	0.00500	mg/kg wet	0.02000		104	65-136			
Trichlorofluoromethane	0.0217	0.00500	mg/kg wet	0.02000		108	41-163			
Vinyl Chloride	0.0185	0.00500	mg/kg wet	0.02000		92.4	45-149			
Vinyl acetate	0.0227	0.0100	mg/kg wet	0.02000		113	10-208			
Surrogate: 4-Bromofluorobenzene	41.8		ug/L	50.00		83.5	41-140			
Surrogate: Dibromofluoromethane	38.0		ug/L	50.00		76.1	33-129			
Surrogate: Toluene-d8	38.4		ug/L	50.00		76.7	44-130			
Surrogate: 1,2-Dichloroethane-d4	36.5		ug/L	50.00		73.0	31-123			

LCS Dup (1045116-BSD1)

Prepared & Analyzed: 10/27/10

1,1,1,2-Tetrachloroethane	0.0224	0.00500	mg/kg wet	0.02000		112	69-142	7.85	23	
1,1,1-Trichloroethane	0.0202	0.00500	mg/kg wet	0.02000		101	58-127	0.198	20	
1,1,2,2-Tetrachloroethane	0.0253	0.00500	mg/kg wet	0.02000		126	74-141	2.07	20	
1,1,2-Trichloroethane	0.0232	0.00500	mg/kg wet	0.02000		116	73-140	6.31	15	
1,1-Dichloroethane	0.0206	0.00500	mg/kg wet	0.02000		103	60-130	1.01	20	
1,1-Dichloroethene	0.0203	0.00500	mg/kg wet	0.02000		101	62-142	0.394	20	
1,1-Dichloropropene	0.0193	0.00500	mg/kg wet	0.02000		96.6	63-142	0.155	24	
1,2-Dibromoethane	0.0221	0.00500	mg/kg wet	0.02000		111	72-140	5.41	20	
1,2-Dichloroethane	0.0204	0.00500	mg/kg wet	0.02000		102	70-142	0.443	18	
1,2-Dichloropropane	0.0215	0.00500	mg/kg wet	0.02000		108	66-139	2.07	22	
1,3-Dichloropropane	0.0219	0.00500	mg/kg wet	0.02000		109	75-139	5.47	17	
2,2-Dichloropropane	0.0200	0.00500	mg/kg wet	0.02000		100	10-180	5.82	40	
2-Butanone	0.0654	0.0200	mg/kg wet	0.08000		81.7	44-120	6.74	29	
2-Chlorotoluene	0.0228	0.00500	mg/kg wet	0.02000		114	69-137	7.23	30	
2-Hexanone	0.0970	0.0200	mg/kg wet	0.08000		121	10-172	1.83	40	
4-Chlorotoluene	0.0236	0.00500	mg/kg wet	0.02000		118	71-140	7.06	30	
4-Methyl-2-pentanone	0.0956	0.0200	mg/kg wet	0.08000		120	10-185	2.73	100	
Acetone	0.0710	0.0500	mg/kg wet	0.08000		88.8	10-229	6.51	40	
Acetonitrile	0.0191	0.0400	mg/kg wet	0.02000		95.7	35-169	5.93	69	
Acrylonitrile	0.0223	0.0200	mg/kg wet	0.02000		112	64-150	2.30	34	
Allyl chloride	0.0212	0.0100	mg/kg wet	0.02000		106	50-149	4.39	35	
Benzene	0.0200	0.00500	mg/kg wet	0.02000		100	64-138	0.651	25	
Bromobenzene	0.0223	0.00500	mg/kg wet	0.02000		112	73-140	7.00	30	
Bromochloromethane	0.0207	0.00500	mg/kg wet	0.02000		103	72-132	5.09	25	
Bromodichloromethane	0.0223	0.00500	mg/kg wet	0.02000		112	72-138	3.48	25	
Bromoform	0.0245	0.00500	mg/kg wet	0.02000		122	70-144	3.21	30	
Bromomethane	0.0212	0.00500	mg/kg wet	0.02000		106	10-199	59.5	40	R
Carbon Disulfide	0.0167	0.0200	mg/kg wet	0.02000		83.7	38-148	2.59	36	
Carbon Tetrachloride	0.0195	0.00500	mg/kg wet	0.02000		97.4	49-148	1.63	34	
Chlorobenzene	0.0221	0.00500	mg/kg wet	0.02000		111	70-135	6.39	21	

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

Lab Order: 10J0915

Volatile Organic Compounds by EPA Method 8260A/B - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1045116 - VOC PREP

LCS Dup (1045116-BSD1)

Prepared & Analyzed: 10/27/10

Chloroethane	0.0317	0.00500	mg/kg wet	0.02000		158	17-186	171	99	R
Chloroform	0.0193	0.00500	mg/kg wet	0.02000		96.5	64-134	6.13	28	
Chloromethane	0.0188	0.00500	mg/kg wet	0.02000		94.0	47-143	6.13	25	
cis-1,2-Dichloroethene	0.0202	0.00500	mg/kg wet	0.02000		101	66-138	2.93	25	
cis-1,3-Dichloropropene	0.0222	0.00500	mg/kg wet	0.02000		111	66-141	1.50	25	
Dibromochloromethane	0.0238	0.00500	mg/kg wet	0.02000		119	70-139	5.64	25	
Dibromomethane	0.0217	0.00500	mg/kg wet	0.02000		109	76-135	2.55	23	
Dichlorodifluoromethane	0.0203	0.00500	mg/kg wet	0.02000		101	20-181	1.28	34	
Ethylbenzene	0.0216	0.00500	mg/kg wet	0.02000		108	71-134	6.06	31	
Iodomethane	0.0212	0.0100	mg/kg wet	0.02000		106	13-162	0.948	31	
Methylene Chloride	0.0165	0.00500	mg/kg wet	0.02000		82.4	10-195	9.10	51	
Methyl tert-Butyl Ether	0.0229	0.0100	mg/kg wet	0.02000		114	54-153	1.63	35	
m,p-Xylene	0.0438	0.0100	mg/kg wet	0.04000		110	70-138	7.97	31	
n-Hexane	0.0208	0.00500	mg/kg wet	0.02120		98.3	10-185	2.14	60	
o-Xylene	0.0222	0.00500	mg/kg wet	0.02000		111	72-139	6.46	23	
Styrene	0.0235	0.00500	mg/kg wet	0.02000		117	71-142	7.62	22	
Tetrachloroethene	0.0200	0.00500	mg/kg wet	0.02000		99.8	41-161	1.74	40	
Toluene	0.0203	0.00500	mg/kg wet	0.02000		102	70-136	0.344	22	
trans-1,2-Dichloroethene	0.0196	0.00500	mg/kg wet	0.02000		97.8	36-159	4.84	24	
trans-1,3-Dichloropropene	0.0230	0.00500	mg/kg wet	0.02000		115	64-142	7.26	20	
Trichloroethene	0.0199	0.00500	mg/kg wet	0.02000		99.6	65-136	4.08	23	
Trichlorofluoromethane	0.0218	0.00500	mg/kg wet	0.02000		109	41-163	0.690	26	
Vinyl Chloride	0.0196	0.00500	mg/kg wet	0.02000		98.1	45-149	5.93	27	
Vinyl acetate	0.0224	0.0100	mg/kg wet	0.02000		112	10-208	1.38	77	
Surrogate: 4-Bromofluorobenzene	42.3		ug/L	50.00		84.6	41-140			
Surrogate: Dibromofluoromethane	37.2		ug/L	50.00		74.3	33-129			
Surrogate: Toluene-d8	39.4		ug/L	50.00		78.7	44-130			
Surrogate: 1,2-Dichloroethane-d4	35.6		ug/L	50.00		71.2	31-123			

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

Lab Order: 10J0915

**Volatile Organic Compounds by EPA Method 8260A/B - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 1045116 - VOC PREP**

Matrix Spike (1045116-MS1)	Source: 10J0887-06			Prepared & Analyzed: 10/27/10						
1,1,1,2-Tetrachloroethane	0.0140	0.00516	mg/kg dry	0.02105	ND	66.6	38-121			
1,1,1-Trichloroethane	0.0147	0.00516	mg/kg dry	0.02105	ND	69.9	35-131			
1,1,2,2-Tetrachloroethane	0.0115	0.00516	mg/kg dry	0.02105	ND	54.7	12-144			
1,1,2-Trichloroethane	0.0118	0.00516	mg/kg dry	0.02105	ND	56.3	33-126			
1,1-Dichloroethane	0.0149	0.00516	mg/kg dry	0.02105	ND	70.6	44-119			
1,1-Dichloroethene	0.0149	0.00516	mg/kg dry	0.02105	ND	70.8	31-125			
1,1-Dichloropropene	0.0126	0.00516	mg/kg dry	0.02105	ND	59.9	34-126			
1,2-Dibromoethane	0.0107	0.00516	mg/kg dry	0.02105	ND	50.7	31-123			
1,2-Dichloroethane	0.0124	0.00516	mg/kg dry	0.02105	ND	58.9	48-114			
1,2-Dichloropropane	0.0136	0.00516	mg/kg dry	0.02105	ND	64.7	44-118			
1,3-Dichloropropane	0.0108	0.00516	mg/kg dry	0.02105	ND	51.3	31-128			
2,2-Dichloropropane	0.0157	0.00516	mg/kg dry	0.02105	ND	74.4	10-149			
2-Butanone	0.0436	0.0206	mg/kg dry	0.08420	ND	51.8	10-159			
2-Chlorotoluene	0.0117	0.00516	mg/kg dry	0.02105	ND	55.5	18-108			
2-Hexanone	0.0453	0.0206	mg/kg dry	0.08420	ND	53.8	10-194			
4-Chlorotoluene	0.0119	0.00516	mg/kg dry	0.02105	ND	56.4	10-116			
4-Methyl-2-pentanone	0.0571	0.0206	mg/kg dry	0.08420	ND	67.8	10-186			
Acetone	0.0687	0.0516	mg/kg dry	0.08420	0.0175	60.8	10-218			
Acetonitrile	0.0154	0.0413	mg/kg dry	0.02105	ND	73.2	22-170			
Acrylonitrile	0.0146	0.0206	mg/kg dry	0.02105	ND	69.2	22-140			
Allyl chloride	0.0141	0.0103	mg/kg dry	0.02105	ND	67.0	28-128			
Benzene	0.0134	0.00516	mg/kg dry	0.02105	ND	63.8	39-126			
Bromobenzene	0.00925	0.00516	mg/kg dry	0.02105	ND	44.0	15-109			
Bromochloromethane	0.0140	0.00516	mg/kg dry	0.02105	ND	66.6	47-124			
Bromodichloromethane	0.0127	0.00516	mg/kg dry	0.02105	ND	60.1	40-114			
Bromoform	0.00962	0.00516	mg/kg dry	0.02105	ND	45.7	19-119			
Bromomethane	0.0258	0.00516	mg/kg dry	0.02105	ND	123	10-173			
Carbon Disulfide	0.0137	0.0206	mg/kg dry	0.02105	0.00124	59.4	17-133			
Carbon Tetrachloride	0.0132	0.00516	mg/kg dry	0.02105	ND	62.7	23-128			
Chlorobenzene	0.0119	0.00516	mg/kg dry	0.02105	ND	56.7	27-111			
Chloroethane	0.0342	0.00516	mg/kg dry	0.02105	ND	163	17-153			M
Chloroform	0.0130	0.00516	mg/kg dry	0.02105	ND	61.7	35-130			
Chloromethane	0.0263	0.00516	mg/kg dry	0.02105	ND	125	22-139			
cis-1,2-Dichloroethene	0.0137	0.00516	mg/kg dry	0.02105	ND	65.3	42-118			
cis-1,3-Dichloropropene	0.0115	0.00516	mg/kg dry	0.02105	ND	54.4	27-113			
Dibromochloromethane	0.0117	0.00516	mg/kg dry	0.02105	ND	55.7	29-122			
Dibromomethane	0.0124	0.00516	mg/kg dry	0.02105	ND	58.8	39-126			
Dichlorodifluoromethane	0.0299	0.00516	mg/kg dry	0.02105	ND	142	10-184			
Ethylbenzene	0.0129	0.00516	mg/kg dry	0.02105	ND	61.4	27-117			
Iodomethane	0.0152	0.0103	mg/kg dry	0.02105	ND	72.0	10-127			
Methylene Chloride	0.00958	0.00516	mg/kg dry	0.02105	ND	45.5	10-179			
Methyl tert-Butyl Ether	0.0177	0.0103	mg/kg dry	0.02105	ND	84.2	38-126			
m,p-Xylene	0.0260	0.0103	mg/kg dry	0.04210	ND	61.7	26-114			
n-Hexane	0.00842	0.00516	mg/kg dry	0.02231	ND	37.7	10-122			
o-Xylene	0.0132	0.00516	mg/kg dry	0.02105	ND	62.8	28-119			



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

Lab Order: 10J0915

Volatile Organic Compounds by EPA Method 8260A/B - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1045116 - VOC PREP

Matrix Spike (1045116-MS1)	Source: 10J0887-06			Prepared & Analyzed: 10/27/10						
Styrene	0.0108	0.00516	mg/kg dry	0.02105	ND	51.5	17-104			
Tetrachloroethene	0.0125	0.00516	mg/kg dry	0.02105	ND	59.6	24-114			
Toluene	0.0132	0.00516	mg/kg dry	0.02105	ND	62.6	32-121			
trans-1,2-Dichloroethene	0.0142	0.00516	mg/kg dry	0.02105	ND	67.4	32-122			
trans-1,3-Dichloropropene	0.0105	0.00516	mg/kg dry	0.02105	ND	49.7	19-109			
Trichloroethene	0.0132	0.00516	mg/kg dry	0.02105	ND	62.5	42-109			
Trichlorofluoromethane	0.0185	0.00516	mg/kg dry	0.02105	ND	87.8	10-158			
Vinyl Chloride	0.0215	0.00516	mg/kg dry	0.02105	ND	102	22-143			
Vinyl acetate	0.0134	0.0103	mg/kg dry	0.02105	ND	63.6	10-127			
Surrogate: 4-Bromofluorobenzene	39.0		ug/L	50.00		78.0	41-140			
Surrogate: Dibromofluoromethane	36.1		ug/L	50.00		72.2	33-129			
Surrogate: Toluene-d8	37.4		ug/L	50.00		74.8	44-130			
Surrogate: 1,2-Dichloroethane-d4	35.9		ug/L	50.00		71.8	31-123			

Matrix Spike Dup (1045116-MSD1)	Source: 10J0887-06			Prepared & Analyzed: 10/27/10						
1,1,1,2-Tetrachloroethane	0.0149	0.00510	mg/kg dry	0.02105	ND	70.8	38-121	6.07	50	
1,1,1-Trichloroethane	0.0170	0.00510	mg/kg dry	0.02105	ND	80.8	35-131	14.4	60	
1,1,2,2-Tetrachloroethane	0.0122	0.00510	mg/kg dry	0.02105	ND	57.8	12-144	5.56	51	
1,1,2-Trichloroethane	0.0121	0.00510	mg/kg dry	0.02105	ND	57.4	33-126	2.06	46	
1,1-Dichloroethane	0.0164	0.00510	mg/kg dry	0.02105	ND	77.9	44-119	9.87	48	
1,1-Dichloroethene	0.0167	0.00510	mg/kg dry	0.02105	ND	79.2	31-125	11.2	61	
1,1-Dichloropropene	0.0143	0.00510	mg/kg dry	0.02105	ND	68.0	34-126	12.7	81	
1,2-Dibromoethane	0.0104	0.00510	mg/kg dry	0.02105	ND	49.3	31-123	2.88	56	
1,2-Dichloroethane	0.0133	0.00510	mg/kg dry	0.02105	ND	63.3	48-114	7.19	40	
1,2-Dichloropropane	0.0143	0.00510	mg/kg dry	0.02105	ND	68.0	44-118	4.92	48	
1,3-Dichloropropane	0.0108	0.00510	mg/kg dry	0.02105	ND	51.4	31-128	0.210	50	
2,2-Dichloropropane	0.0175	0.00510	mg/kg dry	0.02105	ND	83.2	10-149	11.2	50	
2-Butanone	0.0540	0.0204	mg/kg dry	0.08420	ND	64.2	10-159	21.3	60	
2-Chlorotoluene	0.0120	0.00510	mg/kg dry	0.02105	ND	56.9	18-108	2.53	75	
2-Hexanone	0.0527	0.0204	mg/kg dry	0.08420	ND	62.6	10-194	15.1	58	
4-Chlorotoluene	0.0123	0.00510	mg/kg dry	0.02105	ND	58.6	10-116	3.81	80	
4-Methyl-2-pentanone	0.0657	0.0204	mg/kg dry	0.08420	ND	78.0	10-186	13.9	60	
Acetone	0.0863	0.0510	mg/kg dry	0.08420	0.0175	81.7	10-218	22.8	60	
Acetonitrile	0.0184	0.0408	mg/kg dry	0.02105	ND	87.4	22-170	17.7	70	
Acrylonitrile	0.0177	0.0204	mg/kg dry	0.02105	ND	84.1	22-140	19.3	69	
Allyl chloride	0.0157	0.0102	mg/kg dry	0.02105	ND	74.8	28-128	10.9	68	
Benzene	0.0147	0.00510	mg/kg dry	0.02105	ND	69.8	39-126	8.97	61	
Bromobenzene	0.00938	0.00510	mg/kg dry	0.02105	ND	44.6	15-109	1.40	50	
Bromochloromethane	0.0150	0.00510	mg/kg dry	0.02105	ND	71.1	47-124	6.48	48	
Bromodichloromethane	0.0128	0.00510	mg/kg dry	0.02105	ND	61.0	40-114	1.39	49	
Bromoform	0.00940	0.00510	mg/kg dry	0.02105	ND	44.7	19-119	2.32	63	
Bromomethane	0.0229	0.00510	mg/kg dry	0.02105	ND	109	10-173	12.2	40	
Carbon Disulfide	0.0148	0.0204	mg/kg dry	0.02105	0.00124	64.3	17-133	7.32	74	
Carbon Tetrachloride	0.0149	0.00510	mg/kg dry	0.02105	ND	70.7	23-128	12.1	60	
Chlorobenzene	0.0122	0.00510	mg/kg dry	0.02105	ND	58.0	27-111	2.20	50	

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

Lab Order: 10J0915

Volatile Organic Compounds by EPA Method 8260A/B - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1045116 - VOC PREP

Matrix Spike Dup (1045116-MSD1)

Source: 10J0887-06

Prepared & Analyzed: 10/27/10

Chloroethane	0.0299	0.00510	mg/kg dry	0.02105	ND	142	17-153	13.4	75	
Chloroform	0.0140	0.00510	mg/kg dry	0.02105	ND	66.5	35-130	7.57	52	
Chloromethane	0.0240	0.00510	mg/kg dry	0.02105	ND	114	22-139	9.23	42	
cis-1,2-Dichloroethene	0.0147	0.00510	mg/kg dry	0.02105	ND	69.7	42-118	6.48	63	
cis-1,3-Dichloropropene	0.0114	0.00510	mg/kg dry	0.02105	ND	54.3	27-113	0.219	50	
Dibromochloromethane	0.0118	0.00510	mg/kg dry	0.02105	ND	55.9	29-122	0.460	59	
Dibromomethane	0.0128	0.00510	mg/kg dry	0.02105	ND	60.8	39-126	3.38	48	
Dichlorodifluoromethane	0.0272	0.00510	mg/kg dry	0.02105	ND	129	10-184	9.48	108	
Ethylbenzene	0.0137	0.00510	mg/kg dry	0.02105	ND	64.8	27-117	5.38	40	
Iodomethane	0.0161	0.0102	mg/kg dry	0.02105	ND	76.6	10-127	6.19	50	
Methylene Chloride	0.0111	0.00510	mg/kg dry	0.02105	ND	52.8	10-179	14.7	58	
Methyl tert-Butyl Ether	0.0202	0.0102	mg/kg dry	0.02105	ND	96.2	38-126	13.3	50	
m,p-Xylene	0.0274	0.0102	mg/kg dry	0.04210	ND	65.0	26-114	5.21	40	
n-Hexane	0.00670	0.00510	mg/kg dry	0.02231	ND	30.0	10-122	22.8	70	
o-Xylene	0.0136	0.00510	mg/kg dry	0.02105	ND	64.8	28-119	3.18	40	
Styrene	0.0110	0.00510	mg/kg dry	0.02105	ND	52.2	17-104	1.33	40	
Tetrachloroethene	0.0134	0.00510	mg/kg dry	0.02105	ND	63.6	24-114	6.57	50	
Toluene	0.0136	0.00510	mg/kg dry	0.02105	ND	64.5	32-121	2.97	40	
trans-1,2-Dichloroethene	0.0157	0.00510	mg/kg dry	0.02105	ND	74.4	32-122	9.97	50	
trans-1,3-Dichloropropene	0.0101	0.00510	mg/kg dry	0.02105	ND	48.1	19-109	3.32	51	
Trichloroethene	0.0141	0.00510	mg/kg dry	0.02105	ND	66.9	42-109	6.73	38	
Trichlorofluoromethane	0.0165	0.00510	mg/kg dry	0.02105	ND	78.6	10-158	11.0	120	
Vinyl Chloride	0.0202	0.00510	mg/kg dry	0.02105	ND	96.1	22-143	6.04	60	
Vinyl acetate	0.0149	0.0102	mg/kg dry	0.02105	ND	71.0	10-127	11.0	119	
Surrogate: 4-Bromofluorobenzene	38.7		ug/L	50.00		77.4	41-140			
Surrogate: Dibromofluoromethane	36.9		ug/L	50.00		73.7	33-129			
Surrogate: Toluene-d8	37.6		ug/L	50.00		75.2	44-130			
Surrogate: 1,2-Dichloroethane-d4	35.4		ug/L	50.00		70.9	31-123			

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

Lab Order: 10J0915

Volatile Organic Compounds by EPA Method 8260A/B - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1045162 - VOC PREP

Blank (1045162-BLK1)

Prepared: 10/26/10 Analyzed: 10/27/10

1,1,1,2-Tetrachloroethane	BDL	0.00500	mg/kg wet							
1,1,1-Trichloroethane	BDL	0.00500	mg/kg wet							
1,1,2,2-Tetrachloroethane	BDL	0.00500	mg/kg wet							
1,1,2-Trichloroethane	BDL	0.00500	mg/kg wet							
1,1-Dichloroethane	BDL	0.00500	mg/kg wet							
1,1-Dichloroethene	BDL	0.00500	mg/kg wet							
1,1-Dichloropropene	BDL	0.00500	mg/kg wet							
1,2-Dibromoethane	BDL	0.00500	mg/kg wet							
1,2-Dichloroethane	BDL	0.00500	mg/kg wet							
1,2-Dichloropropane	BDL	0.00500	mg/kg wet							
1,3-Dichloropropane	BDL	0.00500	mg/kg wet							
2,2-Dichloropropane	BDL	0.00500	mg/kg wet							
2-Butanone	BDL	0.0200	mg/kg wet							
2-Chlorotoluene	BDL	0.00500	mg/kg wet							
2-Hexanone	BDL	0.0200	mg/kg wet							
4-Chlorotoluene	BDL	0.00500	mg/kg wet							
4-Methyl-2-pentanone	BDL	0.0200	mg/kg wet							
Acetone	BDL	0.0500	mg/kg wet							
Acetonitrile	BDL	0.0400	mg/kg wet							
Acrolein	BDL	0.0200	mg/kg wet							
Acrylonitrile	BDL	0.0200	mg/kg wet							
Allyl chloride	BDL	0.0100	mg/kg wet							
Benzene	BDL	0.00500	mg/kg wet							
Bromobenzene	BDL	0.00500	mg/kg wet							
Bromochloromethane	BDL	0.00500	mg/kg wet							
Bromodichloromethane	BDL	0.00500	mg/kg wet							
Bromoform	BDL	0.00500	mg/kg wet							
Bromomethane	BDL	0.00500	mg/kg wet							
Carbon Disulfide	BDL	0.0200	mg/kg wet							
Carbon Tetrachloride	BDL	0.00500	mg/kg wet							
Chlorobenzene	BDL	0.00500	mg/kg wet							
Chloroethane	BDL	0.00500	mg/kg wet							
Chloroform	BDL	0.00500	mg/kg wet							
Chloromethane	BDL	0.00500	mg/kg wet							
cis-1,2-Dichloroethene	BDL	0.00500	mg/kg wet							
cis-1,3-Dichloropropene	BDL	0.00500	mg/kg wet							
Dibromochloromethane	BDL	0.00500	mg/kg wet							
Dibromomethane	BDL	0.00500	mg/kg wet							
Dichlorodifluoromethane	BDL	0.00500	mg/kg wet							
Ethylbenzene	BDL	0.00500	mg/kg wet							
Iodomethane	BDL	0.0100	mg/kg wet							
Methylene Chloride	0.00718	0.00500	mg/kg wet							O-01
Methyl tert-Butyl Ether	BDL	0.0100	mg/kg wet							
m,p-Xylene	BDL	0.0100	mg/kg wet							
n-Hexane	BDL	0.00500	mg/kg wet							

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

Lab Order: 10J0915

Volatile Organic Compounds by EPA Method 8260A/B - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1045162 - VOC PREP

Blank (1045162-BLK1)

Prepared: 10/26/10 Analyzed: 10/27/10

o-Xylene	BDL	0.00500	mg/kg wet							
Styrene	BDL	0.00500	mg/kg wet							
Tetrachloroethene	BDL	0.00500	mg/kg wet							
Toluene	BDL	0.00500	mg/kg wet							
trans-1,2-Dichloroethene	BDL	0.00500	mg/kg wet							
trans-1,3-Dichloropropene	BDL	0.00500	mg/kg wet							
Trichloroethene	BDL	0.00500	mg/kg wet							
Trichlorofluoromethane	BDL	0.00500	mg/kg wet							
Vinyl Chloride	BDL	0.00500	mg/kg wet							
Vinyl acetate	BDL	0.0100	mg/kg wet							
<i>Surrogate: 4-Bromofluorobenzene</i>	59.1		ug/L	50.00		118	41-140			
<i>Surrogate: Dibromofluoromethane</i>	63.1		ug/L	50.00		126	33-129			
<i>Surrogate: Toluene-d8</i>	64.3		ug/L	50.00		129	44-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	64.1		ug/L	50.00		128	31-123			S

LCS (1045162-BS1)

Prepared: 10/26/10 Analyzed: 10/27/10

1,1,1,2-Tetrachloroethane	0.0237	0.00500	mg/kg wet	0.02000		119	69-142			
1,1,1-Trichloroethane	0.0225	0.00500	mg/kg wet	0.02000		113	58-127			
1,1,2,2-Tetrachloroethane	0.0212	0.00500	mg/kg wet	0.02000		106	74-141			
1,1,2-Trichloroethane	0.0239	0.00500	mg/kg wet	0.02000		120	73-140			
1,1-Dichloroethane	0.0227	0.00500	mg/kg wet	0.02000		113	60-130			
1,1-Dichloroethene	0.0245	0.00500	mg/kg wet	0.02000		122	62-142			
1,1-Dichloropropene	0.0219	0.00500	mg/kg wet	0.02000		110	63-142			
1,2-Dibromoethane	0.0233	0.00500	mg/kg wet	0.02000		116	72-140			
1,2-Dichloroethane	0.0230	0.00500	mg/kg wet	0.02000		115	70-142			
1,2-Dichloropropane	0.0233	0.00500	mg/kg wet	0.02000		117	66-139			
1,3-Dichloropropane	0.0231	0.00500	mg/kg wet	0.02000		116	75-139			
2,2-Dichloropropane	0.0209	0.00500	mg/kg wet	0.02000		104	10-180			
2-Butanone	0.0696	0.0200	mg/kg wet	0.08000		87.0	44-120			
2-Chlorotoluene	0.0234	0.00500	mg/kg wet	0.02000		117	69-137			
2-Hexanone	0.0960	0.0200	mg/kg wet	0.08000		120	10-172			
4-Chlorotoluene	0.0230	0.00500	mg/kg wet	0.02000		115	71-140			
4-Methyl-2-pentanone	0.0958	0.0200	mg/kg wet	0.08000		120	10-185			
Acetone	0.107	0.0500	mg/kg wet	0.08000		133	10-229			
Acetonitrile	0.0275	0.0400	mg/kg wet	0.02000		137	35-169			
Acrylonitrile	0.0243	0.0200	mg/kg wet	0.02000		121	64-150			
Allyl chloride	0.0222	0.0100	mg/kg wet	0.02000		111	50-149			
Benzene	0.0216	0.00500	mg/kg wet	0.02000		108	64-138			
Bromobenzene	0.0231	0.00500	mg/kg wet	0.02000		115	73-140			
Bromochloromethane	0.0217	0.00500	mg/kg wet	0.02000		109	72-132			
Bromodichloromethane	0.0236	0.00500	mg/kg wet	0.02000		118	72-138			
Bromoform	0.0247	0.00500	mg/kg wet	0.02000		124	70-144			
Bromomethane	0.0276	0.00500	mg/kg wet	0.02000		138	10-199			
Carbon Disulfide	0.0193	0.0200	mg/kg wet	0.02000		96.6	38-148			
Carbon Tetrachloride	0.0246	0.00500	mg/kg wet	0.02000		123	49-148			

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

Lab Order: 10J0915

Volatile Organic Compounds by EPA Method 8260A/B - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1045162 - VOC PREP

LCS (1045162-BS1)

Prepared: 10/26/10 Analyzed: 10/27/10

Chlorobenzene	0.0227	0.00500	mg/kg wet	0.02000		114	70-135			
Chloroethane	0.0263	0.00500	mg/kg wet	0.02000		131	17-186			
Chloroform	0.0240	0.00500	mg/kg wet	0.02000		120	64-134			
Chloromethane	0.0211	0.00500	mg/kg wet	0.02000		105	47-143			
cis-1,2-Dichloroethene	0.0218	0.00500	mg/kg wet	0.02000		109	66-138			
cis-1,3-Dichloropropene	0.0228	0.00500	mg/kg wet	0.02000		114	66-141			
Dibromochloromethane	0.0246	0.00500	mg/kg wet	0.02000		123	70-139			
Dibromomethane	0.0230	0.00500	mg/kg wet	0.02000		115	76-135			
Dichlorodifluoromethane	0.0265	0.00500	mg/kg wet	0.02000		133	20-181			
Ethylbenzene	0.0227	0.00500	mg/kg wet	0.02000		113	71-134			
Iodomethane	0.0280	0.0100	mg/kg wet	0.02000		140	13-162			
Methylene Chloride	0.0229	0.00500	mg/kg wet	0.02000		114	10-195			
Methyl tert-Butyl Ether	0.0237	0.0100	mg/kg wet	0.02000		119	54-153			B
m,p-Xylene	0.0456	0.0100	mg/kg wet	0.04000		114	70-138			
n-Hexane	0.0264	0.00500	mg/kg wet	0.02120		124	10-185			
o-Xylene	0.0232	0.00500	mg/kg wet	0.02000		116	72-139			
Styrene	0.0237	0.00500	mg/kg wet	0.02000		118	71-142			
Tetrachloroethene	0.0269	0.00500	mg/kg wet	0.02000		134	41-161			
Toluene	0.0216	0.00500	mg/kg wet	0.02000		108	70-136			
trans-1,2-Dichloroethene	0.0206	0.00500	mg/kg wet	0.02000		103	36-159			
trans-1,3-Dichloropropene	0.0228	0.00500	mg/kg wet	0.02000		114	64-142			
Trichloroethene	0.0230	0.00500	mg/kg wet	0.02000		115	65-136			
Trichlorofluoromethane	0.0250	0.00500	mg/kg wet	0.02000		125	41-163			
Vinyl Chloride	0.0240	0.00500	mg/kg wet	0.02000		120	45-149			
Vinyl acetate	0.0107	0.0100	mg/kg wet	0.02000		53.4	10-208			
Surrogate: 4-Bromofluorobenzene	59.6		ug/L	50.00		119	41-140			
Surrogate: Dibromofluoromethane	60.5		ug/L	50.00		121	33-129			
Surrogate: Toluene-d8	63.0		ug/L	50.00		126	44-130			
Surrogate: 1,2-Dichloroethane-d4	60.7		ug/L	50.00		121	31-123			

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

Lab Order: 10J0915

Volatile Organic Compounds by EPA Method 8260A/B - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 1045162 - VOC PREP</b>										
<b>LCS Dup (1045162-BSD1)</b>										
				Prepared: 10/26/10 Analyzed: 10/27/10						
1,1,1,2-Tetrachloroethane	0.0276	0.00500	mg/kg wet	0.02000		138	69-142	15.2	23	
1,1,1-Trichloroethane	0.0225	0.00500	mg/kg wet	0.02000		113	58-127	0.0444	20	
1,1,2,2-Tetrachloroethane	0.0293	0.00500	mg/kg wet	0.02000		147	74-141	32.1	20	L, R
1,1,2-Trichloroethane	0.0275	0.00500	mg/kg wet	0.02000		138	73-140	14.1	15	
1,1-Dichloroethane	0.0209	0.00500	mg/kg wet	0.02000		104	60-130	8.18	20	
1,1-Dichloroethene	0.0196	0.00500	mg/kg wet	0.02000		98.2	62-142	22.0	20	R
1,1-Dichloropropene	0.0213	0.00500	mg/kg wet	0.02000		106	63-142	2.96	24	
1,2-Dibromoethane	0.0266	0.00500	mg/kg wet	0.02000		133	72-140	13.6	20	
1,2-Dichloroethane	0.0235	0.00500	mg/kg wet	0.02000		118	70-142	2.11	18	
1,2-Dichloropropane	0.0235	0.00500	mg/kg wet	0.02000		118	66-139	0.812	22	
1,3-Dichloropropane	0.0259	0.00500	mg/kg wet	0.02000		130	75-139	11.3	17	
2,2-Dichloropropane	0.0214	0.00500	mg/kg wet	0.02000		107	10-180	2.46	40	
2-Butanone	0.0621	0.0200	mg/kg wet	0.08000		77.6	44-120	11.4	29	
2-Chlorotoluene	0.0264	0.00500	mg/kg wet	0.02000		132	69-137	12.0	30	
2-Hexanone	0.105	0.0200	mg/kg wet	0.08000		131	10-172	8.86	40	
4-Chlorotoluene	0.0277	0.00500	mg/kg wet	0.02000		138	71-140	18.4	30	
4-Methyl-2-pentanone	0.110	0.0200	mg/kg wet	0.08000		137	10-185	13.5	100	
Acetone	0.0825	0.0500	mg/kg wet	0.08000		103	10-229	25.6	40	
Acetonitrile	0.0248	0.0400	mg/kg wet	0.02000		124	35-169	10.1	69	
Acrylonitrile	0.0216	0.0200	mg/kg wet	0.02000		108	64-150	11.8	34	
Allyl chloride	0.0216	0.0100	mg/kg wet	0.02000		108	50-149	2.70	35	
Benzene	0.0214	0.00500	mg/kg wet	0.02000		107	64-138	0.743	25	
Bromobenzene	0.0463	0.00500	mg/kg wet	0.02000		232	73-140	66.9	30	L, R
Bromochloromethane	0.0223	0.00500	mg/kg wet	0.02000		112	72-132	2.72	25	
Bromodichloromethane	0.0253	0.00500	mg/kg wet	0.02000		126	72-138	6.74	25	
Bromoform	0.0300	0.00500	mg/kg wet	0.02000		150	70-144	19.3	30	L
Bromomethane	0.0296	0.00500	mg/kg wet	0.02000		148	10-199	7.06	40	
Carbon Disulfide	0.0161	0.0200	mg/kg wet	0.02000		80.4	38-148	18.2	36	
Carbon Tetrachloride	0.0231	0.00500	mg/kg wet	0.02000		116	49-148	6.08	34	
Chlorobenzene	0.0252	0.00500	mg/kg wet	0.02000		126	70-135	10.3	21	
Chloroethane	0.0252	0.00500	mg/kg wet	0.02000		126	17-186	4.08	99	
Chloroform	0.0225	0.00500	mg/kg wet	0.02000		112	64-134	6.29	28	
Chloromethane	0.0209	0.00500	mg/kg wet	0.02000		104	47-143	1.00	25	
cis-1,2-Dichloroethene	0.0210	0.00500	mg/kg wet	0.02000		105	66-138	3.65	25	
cis-1,3-Dichloropropene	0.0279	0.00500	mg/kg wet	0.02000		140	66-141	20.0	25	
Dibromochloromethane	0.0286	0.00500	mg/kg wet	0.02000		143	70-139	14.8	25	L
Dibromomethane	0.0248	0.00500	mg/kg wet	0.02000		124	76-135	7.48	23	
Dichlorodifluoromethane	0.0243	0.00500	mg/kg wet	0.02000		121	20-181	8.82	34	
Ethylbenzene	0.0243	0.00500	mg/kg wet	0.02000		121	71-134	6.90	31	
Iodomethane	0.0306	0.0100	mg/kg wet	0.02000		153	13-162	8.76	31	
Methylene Chloride	0.0225	0.00500	mg/kg wet	0.02000		112	10-195	1.77	51	B
Methyl tert-Butyl Ether	0.0231	0.0100	mg/kg wet	0.02000		116	54-153	2.56	35	
m,p-Xylene	0.0487	0.0100	mg/kg wet	0.04000		122	70-138	6.56	31	
n-Hexane	0.0263	0.00500	mg/kg wet	0.02120		124	10-185	0.266	60	
o-Xylene	0.0262	0.00500	mg/kg wet	0.02000		131	72-139	12.6	23	

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

Lab Order: 10J0915

**Volatile Organic Compounds by EPA Method 8260A/B - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 1045162 - VOC PREP**

**LCS Dup (1045162-BSD1)**

Prepared: 10/26/10 Analyzed: 10/27/10

Styrene	0.0281	0.00500	mg/kg wet	0.02000		140	71-142	16.9	22	
Tetrachloroethene	0.0190	0.00500	mg/kg wet	0.02000		94.8	41-161	34.5	40	
Toluene	0.0224	0.00500	mg/kg wet	0.02000		112	70-136	3.45	22	
trans-1,2-Dichloroethene	0.0191	0.00500	mg/kg wet	0.02000		95.6	36-159	7.55	24	
trans-1,3-Dichloropropene	0.0279	0.00500	mg/kg wet	0.02000		140	64-142	20.0	20	
Trichloroethene	0.0221	0.00500	mg/kg wet	0.02000		111	65-136	3.72	23	
Trichlorofluoromethane	0.0250	0.00500	mg/kg wet	0.02000		125	41-163	0.240	26	
Vinyl Chloride	0.0235	0.00500	mg/kg wet	0.02000		118	45-149	1.94	27	
Vinyl acetate	0.0389	0.0100	mg/kg wet	0.02000		195	10-208	114	77	L
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>57.4</i>		<i>ug/L</i>	<i>50.00</i>		<i>115</i>	<i>41-140</i>			
<i>Surrogate: Dibromofluoromethane</i>	<i>52.2</i>		<i>ug/L</i>	<i>50.00</i>		<i>104</i>	<i>33-129</i>			
<i>Surrogate: Toluene-d8</i>	<i>53.8</i>		<i>ug/L</i>	<i>50.00</i>		<i>108</i>	<i>44-130</i>			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>54.5</i>		<i>ug/L</i>	<i>50.00</i>		<i>109</i>	<i>31-123</i>			

**Batch 1045188 - VOC PREP**

**Blank (1045188-BLK1)**

Prepared & Analyzed: 10/27/10

1,1,1,2-Tetrachloroethane	BDL	0.00500	mg/kg wet							
1,1,1-Trichloroethane	BDL	0.00500	mg/kg wet							
1,1,2,2-Tetrachloroethane	BDL	0.00500	mg/kg wet							
1,1,2-Trichloroethane	BDL	0.00500	mg/kg wet							
1,1-Dichloroethane	BDL	0.00500	mg/kg wet							
1,1-Dichloroethene	BDL	0.00500	mg/kg wet							
1,1-Dichloropropene	BDL	0.00500	mg/kg wet							
1,2-Dibromoethane	BDL	0.00500	mg/kg wet							
1,2-Dichloroethane	BDL	0.00500	mg/kg wet							
1,2-Dichloropropane	BDL	0.00500	mg/kg wet							
1,3-Dichloropropane	BDL	0.00500	mg/kg wet							
2,2-Dichloropropane	BDL	0.00500	mg/kg wet							
2-Butanone	BDL	0.0200	mg/kg wet							
2-Chlorotoluene	BDL	0.00500	mg/kg wet							
2-Hexanone	BDL	0.0200	mg/kg wet							
4-Chlorotoluene	BDL	0.00500	mg/kg wet							
4-Methyl-2-pentanone	BDL	0.0200	mg/kg wet							
Acetone	BDL	0.0500	mg/kg wet							
Acetonitrile	BDL	0.0400	mg/kg wet							
Acrolein	BDL	0.0200	mg/kg wet							
Acrylonitrile	BDL	0.0200	mg/kg wet							
Allyl chloride	BDL	0.0100	mg/kg wet							
Benzene	BDL	0.00500	mg/kg wet							
Bromobenzene	BDL	0.00500	mg/kg wet							
Bromochloromethane	BDL	0.00500	mg/kg wet							
Bromodichloromethane	BDL	0.00500	mg/kg wet							
Bromoform	BDL	0.00500	mg/kg wet							
Bromomethane	BDL	0.00500	mg/kg wet							

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

Lab Order: 10J0915

Volatile Organic Compounds by EPA Method 8260A/B - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1045188 - VOC PREP

Blank (1045188-BLK1)

Prepared & Analyzed: 10/27/10

Carbon Disulfide	BDL	0.0200	mg/kg wet							
Carbon Tetrachloride	BDL	0.00500	mg/kg wet							
Chlorobenzene	BDL	0.00500	mg/kg wet							
Chloroethane	BDL	0.00500	mg/kg wet							
Chloroform	BDL	0.00500	mg/kg wet							
Chloromethane	BDL	0.00500	mg/kg wet							
cis-1,2-Dichloroethene	BDL	0.00500	mg/kg wet							
cis-1,3-Dichloropropene	BDL	0.00500	mg/kg wet							
Dibromochloromethane	BDL	0.00500	mg/kg wet							
Dibromomethane	BDL	0.00500	mg/kg wet							
Dichlorodifluoromethane	BDL	0.00500	mg/kg wet							
Ethylbenzene	BDL	0.00500	mg/kg wet							
Iodomethane	BDL	0.0100	mg/kg wet							
Methylene Chloride	0.00597	0.00500	mg/kg wet							O-01
Methyl tert-Butyl Ether	BDL	0.0100	mg/kg wet							
m,p-Xylene	BDL	0.0100	mg/kg wet							
n-Hexane	BDL	0.00500	mg/kg wet							
o-Xylene	BDL	0.00500	mg/kg wet							
Styrene	BDL	0.00500	mg/kg wet							
Tetrachloroethene	BDL	0.00500	mg/kg wet							
Toluene	BDL	0.00500	mg/kg wet							
trans-1,2-Dichloroethene	BDL	0.00500	mg/kg wet							
trans-1,3-Dichloropropene	BDL	0.00500	mg/kg wet							
Trichloroethene	BDL	0.00500	mg/kg wet							
Trichlorofluoromethane	BDL	0.00500	mg/kg wet							
Vinyl Chloride	BDL	0.00500	mg/kg wet							
Vinyl acetate	BDL	0.0100	mg/kg wet							
Surrogate: 4-Bromofluorobenzene	69.8		ug/L	50.00		140	41-140			
Surrogate: Dibromofluoromethane	66.4		ug/L	50.00		133	33-129			S
Surrogate: Toluene-d8	69.6		ug/L	50.00		139	44-130			S
Surrogate: 1,2-Dichloroethane-d4	65.1		ug/L	50.00		130	31-123			S



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

Lab Order: 10J0915

Volatile Organic Compounds by EPA Method 8260A/B - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1045188 - VOC PREP

Blank (1045188-BLK2)

Prepared & Analyzed: 10/28/10

1,1,1,2-Tetrachloroethane	BDL	0.00500	mg/kg wet							
1,1,1-Trichloroethane	BDL	0.00500	mg/kg wet							
1,1,2,2-Tetrachloroethane	BDL	0.00500	mg/kg wet							
1,1,2-Trichloroethane	BDL	0.00500	mg/kg wet							
1,1-Dichloroethane	BDL	0.00500	mg/kg wet							
1,1-Dichloroethene	BDL	0.00500	mg/kg wet							
1,1-Dichloropropene	BDL	0.00500	mg/kg wet							
1,2-Dibromoethane	BDL	0.00500	mg/kg wet							
1,2-Dichloroethane	BDL	0.00500	mg/kg wet							
1,2-Dichloropropane	BDL	0.00500	mg/kg wet							
1,3-Dichloropropane	BDL	0.00500	mg/kg wet							
2,2-Dichloropropane	BDL	0.00500	mg/kg wet							
2-Butanone	BDL	0.0200	mg/kg wet							
2-Chlorotoluene	BDL	0.00500	mg/kg wet							
2-Hexanone	BDL	0.0200	mg/kg wet							
4-Chlorotoluene	BDL	0.00500	mg/kg wet							
4-Methyl-2-pentanone	BDL	0.0200	mg/kg wet							
Acetone	BDL	0.0500	mg/kg wet							
Acetonitrile	BDL	0.0400	mg/kg wet							
Acrolein	BDL	0.0200	mg/kg wet							
Acrylonitrile	BDL	0.0200	mg/kg wet							
Allyl chloride	BDL	0.0100	mg/kg wet							
Benzene	BDL	0.00500	mg/kg wet							
Bromobenzene	BDL	0.00500	mg/kg wet							
Bromochloromethane	BDL	0.00500	mg/kg wet							
Bromodichloromethane	BDL	0.00500	mg/kg wet							
Bromoform	BDL	0.00500	mg/kg wet							
Bromomethane	BDL	0.00500	mg/kg wet							
Carbon Disulfide	BDL	0.0200	mg/kg wet							
Carbon Tetrachloride	BDL	0.00500	mg/kg wet							
Chlorobenzene	BDL	0.00500	mg/kg wet							
Chloroethane	BDL	0.00500	mg/kg wet							
Chloroform	BDL	0.00500	mg/kg wet							
Chloromethane	BDL	0.00500	mg/kg wet							
cis-1,2-Dichloroethene	BDL	0.00500	mg/kg wet							
cis-1,3-Dichloropropene	BDL	0.00500	mg/kg wet							
Dibromochloromethane	BDL	0.00500	mg/kg wet							
Dibromomethane	BDL	0.00500	mg/kg wet							
Dichlorodifluoromethane	BDL	0.00500	mg/kg wet							
Ethylbenzene	BDL	0.00500	mg/kg wet							
Iodomethane	BDL	0.0100	mg/kg wet							
Methylene Chloride	BDL	0.00500	mg/kg wet							
Methyl tert-Butyl Ether	BDL	0.0100	mg/kg wet							
m,p-Xylene	BDL	0.0100	mg/kg wet							
n-Hexane	BDL	0.00500	mg/kg wet							

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

Lab Order: 10J0915

Volatile Organic Compounds by EPA Method 8260A/B - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1045188 - VOC PREP

Blank (1045188-BLK2)

Prepared & Analyzed: 10/28/10

o-Xylene	BDL	0.00500	mg/kg wet							
Styrene	BDL	0.00500	mg/kg wet							
Tetrachloroethene	BDL	0.00500	mg/kg wet							
Toluene	BDL	0.00500	mg/kg wet							
trans-1,2-Dichloroethene	BDL	0.00500	mg/kg wet							
trans-1,3-Dichloropropene	BDL	0.00500	mg/kg wet							
Trichloroethene	BDL	0.00500	mg/kg wet							
Trichlorofluoromethane	BDL	0.00500	mg/kg wet							
Vinyl Chloride	BDL	0.00500	mg/kg wet							
Vinyl acetate	BDL	0.0100	mg/kg wet							
<i>Surrogate: 4-Bromofluorobenzene</i>	41.5		ug/L	50.00		82.9	41-140			
<i>Surrogate: Dibromofluoromethane</i>	35.4		ug/L	50.00		70.8	33-129			
<i>Surrogate: Toluene-d8</i>	37.7		ug/L	50.00		75.5	44-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	35.5		ug/L	50.00		70.9	31-123			

Blank (1045188-BLK3)

Prepared: 10/26/10 Analyzed: 10/27/10

1,1,1,2-Tetrachloroethane	BDL	0.00500	mg/kg wet							
1,1,1-Trichloroethane	BDL	0.00500	mg/kg wet							
1,1,2,2-Tetrachloroethane	BDL	0.00500	mg/kg wet							
1,1,2-Trichloroethane	BDL	0.00500	mg/kg wet							
1,1-Dichloroethane	BDL	0.00500	mg/kg wet							
1,1-Dichloroethene	BDL	0.00500	mg/kg wet							
1,1-Dichloropropene	BDL	0.00500	mg/kg wet							
1,2-Dibromoethane	BDL	0.00500	mg/kg wet							
1,2-Dichloroethane	BDL	0.00500	mg/kg wet							
1,2-Dichloropropane	BDL	0.00500	mg/kg wet							
1,3-Dichloropropane	BDL	0.00500	mg/kg wet							
2,2-Dichloropropane	BDL	0.00500	mg/kg wet							
2-Butanone	BDL	0.0200	mg/kg wet							
2-Chlorotoluene	BDL	0.00500	mg/kg wet							
2-Hexanone	BDL	0.0200	mg/kg wet							
4-Chlorotoluene	BDL	0.00500	mg/kg wet							
4-Methyl-2-pentanone	BDL	0.0200	mg/kg wet							
Acetone	BDL	0.0500	mg/kg wet							
Acetonitrile	BDL	0.0400	mg/kg wet							
Acrolein	BDL	0.0200	mg/kg wet							
Acrylonitrile	BDL	0.0200	mg/kg wet							
Allyl chloride	BDL	0.0100	mg/kg wet							
Benzene	BDL	0.00500	mg/kg wet							
Bromobenzene	BDL	0.00500	mg/kg wet							
Bromochloromethane	BDL	0.00500	mg/kg wet							
Bromodichloromethane	BDL	0.00500	mg/kg wet							
Bromoform	BDL	0.00500	mg/kg wet							
Bromomethane	BDL	0.00500	mg/kg wet							
Carbon Disulfide	BDL	0.0200	mg/kg wet							

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

Lab Order: 10J0915

Volatile Organic Compounds by EPA Method 8260A/B - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1045188 - VOC PREP

Blank (1045188-BLK3)

Prepared: 10/26/10 Analyzed: 10/27/10

Carbon Tetrachloride	BDL	0.00500	mg/kg wet							
Chlorobenzene	BDL	0.00500	mg/kg wet							
Chloroethane	BDL	0.00500	mg/kg wet							
Chloroform	BDL	0.00500	mg/kg wet							
Chloromethane	BDL	0.00500	mg/kg wet							
cis-1,2-Dichloroethene	BDL	0.00500	mg/kg wet							
cis-1,3-Dichloropropene	BDL	0.00500	mg/kg wet							
Dibromochloromethane	BDL	0.00500	mg/kg wet							
Dibromomethane	BDL	0.00500	mg/kg wet							
Dichlorodifluoromethane	BDL	0.00500	mg/kg wet							
Ethylbenzene	BDL	0.00500	mg/kg wet							
Iodomethane	BDL	0.0100	mg/kg wet							
Methylene Chloride	0.00718	0.00500	mg/kg wet							
Methyl tert-Butyl Ether	BDL	0.0100	mg/kg wet							
m,p-Xylene	BDL	0.0100	mg/kg wet							
n-Hexane	BDL	0.00500	mg/kg wet							
o-Xylene	BDL	0.00500	mg/kg wet							
Styrene	BDL	0.00500	mg/kg wet							
Tetrachloroethene	BDL	0.00500	mg/kg wet							
Toluene	BDL	0.00500	mg/kg wet							
trans-1,2-Dichloroethene	BDL	0.00500	mg/kg wet							
trans-1,3-Dichloropropene	BDL	0.00500	mg/kg wet							
Trichloroethene	BDL	0.00500	mg/kg wet							
Trichlorofluoromethane	BDL	0.00500	mg/kg wet							
Vinyl Chloride	BDL	0.00500	mg/kg wet							
Vinyl acetate	BDL	0.0100	mg/kg wet							
Surrogate: 4-Bromofluorobenzene	59.1		ug/L	50.00		118	41-140			
Surrogate: Dibromofluoromethane	63.1		ug/L	50.00		126	33-129			
Surrogate: Toluene-d8	64.3		ug/L	50.00		129	44-130			
Surrogate: 1,2-Dichloroethane-d4	64.1		ug/L	50.00		128	31-123			

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

Lab Order: 10J0915

Volatile Organic Compounds by EPA Method 8260A/B - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1045188 - VOC PREP

LCS (1045188-BS1)

Prepared & Analyzed: 10/27/10

1,1,1,2-Tetrachloroethane	0.0236	0.00500	mg/kg wet	0.02000		118	69-142			
1,1,1-Trichloroethane	0.0163	0.00500	mg/kg wet	0.02000		81.6	58-127			
1,1,2,2-Tetrachloroethane	0.0315	0.00500	mg/kg wet	0.02000		158	74-141			L
1,1,2-Trichloroethane	0.0264	0.00500	mg/kg wet	0.02000		132	73-140			
1,1-Dichloroethane	0.0168	0.00500	mg/kg wet	0.02000		84.0	60-130			
1,1-Dichloroethene	0.0146	0.00500	mg/kg wet	0.02000		73.2	62-142			
1,1-Dichloropropene	0.0154	0.00500	mg/kg wet	0.02000		77.0	63-142			
1,2-Dibromoethane	0.0272	0.00500	mg/kg wet	0.02000		136	72-140			
1,2-Dichloroethane	0.0231	0.00500	mg/kg wet	0.02000		116	70-142			
1,2-Dichloropropane	0.0200	0.00500	mg/kg wet	0.02000		99.9	66-139			
1,3-Dichloropropane	0.0253	0.00500	mg/kg wet	0.02000		126	75-139			
2,2-Dichloropropane	0.0157	0.00500	mg/kg wet	0.02000		78.3	10-180			
2-Butanone	0.0752	0.0200	mg/kg wet	0.08000		94.0	44-120			
2-Chlorotoluene	0.0210	0.00500	mg/kg wet	0.02000		105	69-137			
2-Hexanone	0.122	0.0200	mg/kg wet	0.08000		152	10-172			
4-Chlorotoluene	0.0222	0.00500	mg/kg wet	0.02000		111	71-140			
4-Methyl-2-pentanone	0.120	0.0200	mg/kg wet	0.08000		150	10-185			
Acetone	0.111	0.0500	mg/kg wet	0.08000		139	10-229			
Acetonitrile	0.0291	0.0400	mg/kg wet	0.02000		146	35-169			
Acrylonitrile	0.0251	0.0200	mg/kg wet	0.02000		125	64-150			
Allyl chloride	0.0166	0.0100	mg/kg wet	0.02000		82.8	50-149			
Benzene	0.0169	0.00500	mg/kg wet	0.02000		84.5	64-138			
Bromobenzene	0.0246	0.00500	mg/kg wet	0.02000		123	73-140			
Bromochloromethane	0.0211	0.00500	mg/kg wet	0.02000		105	72-132			
Bromodichloromethane	0.0222	0.00500	mg/kg wet	0.02000		111	72-138			
Bromoform	0.0316	0.00500	mg/kg wet	0.02000		158	70-144			L
Bromomethane	0.0479	0.00500	mg/kg wet	0.02000		240	10-199			L
Carbon Disulfide	0.0119	0.0200	mg/kg wet	0.02000		59.6	38-148			
Carbon Tetrachloride	0.0144	0.00500	mg/kg wet	0.02000		72.2	49-148			
Chlorobenzene	0.0212	0.00500	mg/kg wet	0.02000		106	70-135			
Chloroethane	0.0384	0.00500	mg/kg wet	0.02000		192	17-186			L
Chloroform	0.0184	0.00500	mg/kg wet	0.02000		91.9	64-134			
Chloromethane	0.0373	0.00500	mg/kg wet	0.02000		187	47-143			L
cis-1,2-Dichloroethene	0.0171	0.00500	mg/kg wet	0.02000		85.6	66-138			
cis-1,3-Dichloropropene	0.0228	0.00500	mg/kg wet	0.02000		114	66-141			
Dibromochloromethane	0.0283	0.00500	mg/kg wet	0.02000		142	70-139			L
Dibromomethane	0.0246	0.00500	mg/kg wet	0.02000		123	76-135			
Dichlorodifluoromethane	0.0540	0.00500	mg/kg wet	0.02000		270	20-181			L
Ethylbenzene	0.0186	0.00500	mg/kg wet	0.02000		93.1	71-134			
Iodomethane	0.0299	0.0100	mg/kg wet	0.02000		149	13-162			
Methylene Chloride	0.0190	0.00500	mg/kg wet	0.02000		94.8	10-195			B
Methyl tert-Butyl Ether	0.0248	0.0100	mg/kg wet	0.02000		124	54-153			
m,p-Xylene	0.0382	0.0100	mg/kg wet	0.04000		95.5	70-138			
n-Hexane	0.0210	0.00500	mg/kg wet	0.02120		99.3	10-185			
o-Xylene	0.0205	0.00500	mg/kg wet	0.02000		102	72-139			

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

Lab Order: 10J0915

Volatile Organic Compounds by EPA Method 8260A/B - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1045188 - VOC PREP

LCS (1045188-BS1)		Prepared & Analyzed: 10/27/10								
Styrene	0.0230	0.00500	mg/kg wet	0.02000		115	71-142			
Tetrachloroethene	0.0159	0.00500	mg/kg wet	0.02000		79.4	41-161			
Toluene	0.0170	0.00500	mg/kg wet	0.02000		85.2	70-136			
trans-1,2-Dichloroethene	0.0149	0.00500	mg/kg wet	0.02000		74.3	36-159			
trans-1,3-Dichloropropene	0.0228	0.00500	mg/kg wet	0.02000		114	64-142			
Trichloroethene	0.0170	0.00500	mg/kg wet	0.02000		85.2	65-136			
Trichlorofluoromethane	0.0329	0.00500	mg/kg wet	0.02000		164	41-163			L
Vinyl Chloride	0.0396	0.00500	mg/kg wet	0.02000		198	45-149			L
Vinyl acetate	0.0370	0.0100	mg/kg wet	0.02000		185	10-208			
Surrogate: 4-Bromofluorobenzene	73.4		ug/L	50.00		147	41-140			S
Surrogate: Dibromofluoromethane	68.7		ug/L	50.00		137	33-129			S
Surrogate: Toluene-d8	71.2		ug/L	50.00		142	44-130			S
Surrogate: 1,2-Dichloroethane-d4	66.7		ug/L	50.00		133	31-123			S

LCS (1045188-BS2)		Prepared & Analyzed: 10/28/10								
1,1,1,2-Tetrachloroethane	0.0200	0.00500	mg/kg wet	0.02000		100	69-142			
1,1,1-Trichloroethane	0.0169	0.00500	mg/kg wet	0.02000		84.4	58-127			
1,1,2,2-Tetrachloroethane	0.0240	0.00500	mg/kg wet	0.02000		120	74-141			
1,1,2-Trichloroethane	0.0224	0.00500	mg/kg wet	0.02000		112	73-140			
1,1-Dichloroethane	0.0184	0.00500	mg/kg wet	0.02000		92.0	60-130			
1,1-Dichloroethene	0.0172	0.00500	mg/kg wet	0.02000		86.2	62-142			
1,1-Dichloropropene	0.0166	0.00500	mg/kg wet	0.02000		82.9	63-142			
1,2-Dibromoethane	0.0208	0.00500	mg/kg wet	0.02000		104	72-140			
1,2-Dichloroethane	0.0184	0.00500	mg/kg wet	0.02000		92.0	70-142			
1,2-Dichloropropane	0.0191	0.00500	mg/kg wet	0.02000		95.6	66-139			
1,3-Dichloropropane	0.0208	0.00500	mg/kg wet	0.02000		104	75-139			
2,2-Dichloropropane	0.0178	0.00500	mg/kg wet	0.02000		88.8	10-180			
2-Butanone	0.0666	0.0200	mg/kg wet	0.08000		83.2	44-120			
2-Chlorotoluene	0.0204	0.00500	mg/kg wet	0.02000		102	69-137			
2-Hexanone	0.0958	0.0200	mg/kg wet	0.08000		120	10-172			
4-Chlorotoluene	0.0200	0.00500	mg/kg wet	0.02000		99.8	71-140			
4-Methyl-2-pentanone	0.0956	0.0200	mg/kg wet	0.08000		120	10-185			
Acetone	0.0722	0.0500	mg/kg wet	0.08000		90.2	10-229			
Acetonitrile	0.0231	0.0400	mg/kg wet	0.02000		115	35-169			
Acrylonitrile	0.0231	0.0200	mg/kg wet	0.02000		115	64-150			
Allyl chloride	0.0191	0.0100	mg/kg wet	0.02000		95.4	50-149			
Benzene	0.0175	0.00500	mg/kg wet	0.02000		87.6	64-138			
Bromobenzene	0.0201	0.00500	mg/kg wet	0.02000		100	73-140			
Bromochloromethane	0.0193	0.00500	mg/kg wet	0.02000		96.6	72-132			
Bromodichloromethane	0.0198	0.00500	mg/kg wet	0.02000		99.1	72-138			
Bromoform	0.0229	0.00500	mg/kg wet	0.02000		114	70-144			
Bromomethane	0.0300	0.00500	mg/kg wet	0.02000		150	10-199			
Carbon Disulfide	0.0142	0.0200	mg/kg wet	0.02000		71.2	38-148			
Carbon Tetrachloride	0.0165	0.00500	mg/kg wet	0.02000		82.4	49-148			
Chlorobenzene	0.0196	0.00500	mg/kg wet	0.02000		98.1	70-135			

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

Lab Order: 10J0915

Volatile Organic Compounds by EPA Method 8260A/B - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1045188 - VOC PREP

LCS (1045188-BS2)

Prepared & Analyzed: 10/28/10

Chloroethane	0.0438	0.00500	mg/kg wet	0.02000		219	17-186			
Chloroform	0.0172	0.00500	mg/kg wet	0.02000		86.1	64-134			
Chloromethane	0.0349	0.00500	mg/kg wet	0.02000		174	47-143			
cis-1,2-Dichloroethene	0.0181	0.00500	mg/kg wet	0.02000		90.7	66-138			
cis-1,3-Dichloropropene	0.0202	0.00500	mg/kg wet	0.02000		101	66-141			
Dibromochloromethane	0.0220	0.00500	mg/kg wet	0.02000		110	70-139			
Dibromomethane	0.0204	0.00500	mg/kg wet	0.02000		102	76-135			
Dichlorodifluoromethane	0.0412	0.00500	mg/kg wet	0.02000		206	20-181			
Ethylbenzene	0.0188	0.00500	mg/kg wet	0.02000		94.0	71-134			
Iodomethane	0.0203	0.0100	mg/kg wet	0.02000		102	13-162			
Methylene Chloride	0.0110	0.00500	mg/kg wet	0.02000		55.0	10-195			B
Methyl tert-Butyl Ether	0.0202	0.0100	mg/kg wet	0.02000		101	54-153			
m,p-Xylene	0.0386	0.0100	mg/kg wet	0.04000		96.6	70-138			
n-Hexane	0.00909	0.00500	mg/kg wet	0.02120		42.9	10-185			
o-Xylene	0.0197	0.00500	mg/kg wet	0.02000		98.6	72-139			
Styrene	0.0212	0.00500	mg/kg wet	0.02000		106	71-142			
Tetrachloroethene	0.0158	0.00500	mg/kg wet	0.02000		78.8	41-161			
Toluene	0.0180	0.00500	mg/kg wet	0.02000		90.0	70-136			
trans-1,2-Dichloroethene	0.0176	0.00500	mg/kg wet	0.02000		87.8	36-159			
trans-1,3-Dichloropropene	0.0218	0.00500	mg/kg wet	0.02000		109	64-142			
Trichloroethene	0.0175	0.00500	mg/kg wet	0.02000		87.6	65-136			
Trichlorofluoromethane	0.0272	0.00500	mg/kg wet	0.02000		136	41-163			
Vinyl Chloride	0.0298	0.00500	mg/kg wet	0.02000		149	45-149			
Vinyl acetate	0.0214	0.0100	mg/kg wet	0.02000		107	10-208			
Surrogate: 4-Bromofluorobenzene	42.0		ug/L	50.00		83.9	41-140			
Surrogate: Dibromofluoromethane	37.5		ug/L	50.00		75.0	33-129			
Surrogate: Toluene-d8	39.3		ug/L	50.00		78.7	44-130			
Surrogate: 1,2-Dichloroethane-d4	35.9		ug/L	50.00		71.8	31-123			

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

Lab Order: 10J0915

Volatile Organic Compounds by EPA Method 8260A/B - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1045188 - VOC PREP

LCS (1045188-BS3)

Prepared: 10/26/10 Analyzed: 10/27/10

1,1,1,2-Tetrachloroethane	0.0237	0.00500	mg/kg wet	0.02000		119	69-142			
1,1,1-Trichloroethane	0.0225	0.00500	mg/kg wet	0.02000		113	58-127			
1,1,2,2-Tetrachloroethane	0.0212	0.00500	mg/kg wet	0.02000		106	74-141			
1,1,2-Trichloroethane	0.0239	0.00500	mg/kg wet	0.02000		120	73-140			
1,1-Dichloroethane	0.0227	0.00500	mg/kg wet	0.02000		113	60-130			
1,1-Dichloroethene	0.0245	0.00500	mg/kg wet	0.02000		122	62-142			
1,1-Dichloropropene	0.0219	0.00500	mg/kg wet	0.02000		110	63-142			
1,2-Dibromoethane	0.0233	0.00500	mg/kg wet	0.02000		116	72-140			
1,2-Dichloroethane	0.0230	0.00500	mg/kg wet	0.02000		115	70-142			
1,2-Dichloropropane	0.0233	0.00500	mg/kg wet	0.02000		117	66-139			
1,3-Dichloropropane	0.0231	0.00500	mg/kg wet	0.02000		116	75-139			
2,2-Dichloropropane	0.0209	0.00500	mg/kg wet	0.02000		104	10-180			
2-Butanone	0.0696	0.0200	mg/kg wet	0.08000		87.0	44-120			
2-Chlorotoluene	0.0234	0.00500	mg/kg wet	0.02000		117	69-137			
2-Hexanone	0.0960	0.0200	mg/kg wet	0.08000		120	10-172			
4-Chlorotoluene	0.0230	0.00500	mg/kg wet	0.02000		115	71-140			
4-Methyl-2-pentanone	0.0958	0.0200	mg/kg wet	0.08000		120	10-185			
Acetone	0.107	0.0500	mg/kg wet	0.08000		133	10-229			
Acetonitrile	0.0275	0.0400	mg/kg wet	0.02000		137	35-169			
Acrylonitrile	0.0243	0.0200	mg/kg wet	0.02000		121	64-150			
Allyl chloride	0.0222	0.0100	mg/kg wet	0.02000		111	50-149			
Benzene	0.0216	0.00500	mg/kg wet	0.02000		108	64-138			
Bromobenzene	0.0231	0.00500	mg/kg wet	0.02000		115	73-140			
Bromochloromethane	0.0217	0.00500	mg/kg wet	0.02000		109	72-132			
Bromodichloromethane	0.0236	0.00500	mg/kg wet	0.02000		118	72-138			
Bromoform	0.0247	0.00500	mg/kg wet	0.02000		124	70-144			
Bromomethane	0.0276	0.00500	mg/kg wet	0.02000		138	10-199			
Carbon Disulfide	0.0193	0.0200	mg/kg wet	0.02000		96.6	38-148			
Carbon Tetrachloride	0.0246	0.00500	mg/kg wet	0.02000		123	49-148			
Chlorobenzene	0.0227	0.00500	mg/kg wet	0.02000		114	70-135			
Chloroethane	BDL	0.00500	mg/kg wet	0.02000			17-186			
Chloroform	0.0240	0.00500	mg/kg wet	0.02000		120	64-134			
Chloromethane	0.0211	0.00500	mg/kg wet	0.02000		105	47-143			
cis-1,2-Dichloroethene	0.0218	0.00500	mg/kg wet	0.02000		109	66-138			
cis-1,3-Dichloropropene	0.0228	0.00500	mg/kg wet	0.02000		114	66-141			
Dibromochloromethane	0.0246	0.00500	mg/kg wet	0.02000		123	70-139			
Dibromomethane	0.0230	0.00500	mg/kg wet	0.02000		115	76-135			
Dichlorodifluoromethane	0.0265	0.00500	mg/kg wet	0.02000		133	20-181			
Ethylbenzene	0.0227	0.00500	mg/kg wet	0.02000		113	71-134			
Iodomethane	0.0280	0.0100	mg/kg wet	0.02000		140	13-162			
Methylene Chloride	0.0229	0.00500	mg/kg wet	0.02000		114	10-195			B
Methyl tert-Butyl Ether	0.0237	0.0100	mg/kg wet	0.02000		119	54-153			
m,p-Xylene	0.0456	0.0100	mg/kg wet	0.04000		114	70-138			
n-Hexane	0.0264	0.00500	mg/kg wet	0.02120		124	10-185			
o-Xylene	0.0232	0.00500	mg/kg wet	0.02000		116	72-139			

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

Lab Order: 10J0915

**Volatile Organic Compounds by EPA Method 8260A/B - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 1045188 - VOC PREP**

**LCS (1045188-BS3)**

Prepared: 10/26/10 Analyzed: 10/27/10

Styrene	0.0237	0.00500	mg/kg wet	0.02000		118	71-142			
Tetrachloroethene	0.0269	0.00500	mg/kg wet	0.02000		134	41-161			
Toluene	0.0216	0.00500	mg/kg wet	0.02000		108	70-136			
trans-1,2-Dichloroethene	0.0206	0.00500	mg/kg wet	0.02000		103	36-159			
trans-1,3-Dichloropropene	0.0228	0.00500	mg/kg wet	0.02000		114	64-142			
Trichloroethene	0.0230	0.00500	mg/kg wet	0.02000		115	65-136			
Trichlorofluoromethane	0.0250	0.00500	mg/kg wet	0.02000		125	41-163			
Vinyl Chloride	0.0240	0.00500	mg/kg wet	0.02000		120	45-149			
Vinyl acetate	0.0107	0.0100	mg/kg wet	0.02000		53.4	10-208			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>59.6</i>		<i>ug/L</i>	<i>50.00</i>		<i>119</i>	<i>41-140</i>			
<i>Surrogate: Dibromofluoromethane</i>	<i>60.5</i>		<i>ug/L</i>	<i>50.00</i>		<i>121</i>	<i>33-129</i>			
<i>Surrogate: Toluene-d8</i>	<i>63.0</i>		<i>ug/L</i>	<i>50.00</i>		<i>126</i>	<i>44-130</i>			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>60.7</i>		<i>ug/L</i>	<i>50.00</i>		<i>121</i>	<i>31-123</i>			

**LCS Dup (1045188-BSD1)**

Prepared & Analyzed: 10/28/10

1,1,1,2-Tetrachloroethane	0.0192	0.00500	mg/kg wet	0.02000		96.2	69-142	20.2	23	
1,1,1-Trichloroethane	0.0166	0.00500	mg/kg wet	0.02000		83.2	58-127	1.88	20	
1,1,2,2-Tetrachloroethane	0.0237	0.00500	mg/kg wet	0.02000		118	74-141	28.5	20	
1,1,2-Trichloroethane	0.0218	0.00500	mg/kg wet	0.02000		109	73-140	18.7	15	
1,1-Dichloroethane	0.0176	0.00500	mg/kg wet	0.02000		88.3	60-130	4.99	20	
1,1-Dichloroethene	0.0163	0.00500	mg/kg wet	0.02000		81.5	62-142	10.8	20	
1,1-Dichloropropene	0.0160	0.00500	mg/kg wet	0.02000		80.0	63-142	3.89	24	
1,2-Dibromoethane	0.0208	0.00500	mg/kg wet	0.02000		104	72-140	26.7	20	
1,2-Dichloroethane	0.0185	0.00500	mg/kg wet	0.02000		92.5	70-142	22.2	18	
1,2-Dichloropropane	0.0184	0.00500	mg/kg wet	0.02000		92.0	66-139	8.29	22	
1,3-Dichloropropane	0.0202	0.00500	mg/kg wet	0.02000		101	75-139	22.3	17	
2,2-Dichloropropane	0.0170	0.00500	mg/kg wet	0.02000		85.0	10-180	8.21	40	
2-Butanone	0.0678	0.0200	mg/kg wet	0.08000		84.8	44-120	10.3	29	
2-Chlorotoluene	0.0191	0.00500	mg/kg wet	0.02000		95.6	69-137	9.61	30	
2-Hexanone	0.0983	0.0200	mg/kg wet	0.08000		123	10-172	21.2	40	
4-Chlorotoluene	0.0188	0.00500	mg/kg wet	0.02000		93.8	71-140	16.9	30	
4-Methyl-2-pentanone	0.0971	0.0200	mg/kg wet	0.08000		121	10-185	21.4	100	
Acetone	0.0744	0.0500	mg/kg wet	0.08000		93.1	10-229	39.8	40	
Acetonitrile	0.0233	0.0400	mg/kg wet	0.02000		117	35-169	22.1	69	
Acrylonitrile	0.0224	0.0200	mg/kg wet	0.02000		112	64-150	11.1	34	
Allyl chloride	0.0179	0.0100	mg/kg wet	0.02000		89.5	50-149	7.72	35	
Benzene	0.0172	0.00500	mg/kg wet	0.02000		86.0	64-138	1.70	25	
Bromobenzene	0.0194	0.00500	mg/kg wet	0.02000		96.9	73-140	23.6	30	
Bromochloromethane	0.0190	0.00500	mg/kg wet	0.02000		94.8	72-132	10.5	25	
Bromodichloromethane	0.0195	0.00500	mg/kg wet	0.02000		97.6	72-138	12.9	25	
Bromoform	0.0227	0.00500	mg/kg wet	0.02000		114	70-144	32.9	30	
Bromomethane	0.0311	0.00500	mg/kg wet	0.02000		156	10-199	42.5	40	
Carbon Disulfide	0.0135	0.0200	mg/kg wet	0.02000		67.4	38-148	12.4	36	
Carbon Tetrachloride	0.0160	0.00500	mg/kg wet	0.02000		80.0	49-148	10.3	34	
Chlorobenzene	0.0189	0.00500	mg/kg wet	0.02000		94.6	70-135	11.5	21	



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

Lab Order: 10J0915

Volatile Organic Compounds by EPA Method 8260A/B - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1045188 - VOC PREP

LCS Dup (1045188-BSD1)

Prepared & Analyzed: 10/28/10

Chloroethane	0.0440	0.00500	mg/kg wet	0.02000		220	17-186	13.7	99	
Chloroform	0.0167	0.00500	mg/kg wet	0.02000		83.5	64-134	9.58	28	
Chloromethane	0.0338	0.00500	mg/kg wet	0.02000		169	47-143	9.93	25	
cis-1,2-Dichloroethene	0.0176	0.00500	mg/kg wet	0.02000		87.8	66-138	2.54	25	
cis-1,3-Dichloropropene	0.0198	0.00500	mg/kg wet	0.02000		98.8	66-141	14.4	25	
Dibromochloromethane	0.0214	0.00500	mg/kg wet	0.02000		107	70-139	27.6	25	
Dibromomethane	0.0202	0.00500	mg/kg wet	0.02000		101	76-135	19.5	23	
Dichlorodifluoromethane	0.0406	0.00500	mg/kg wet	0.02000		203	20-181	28.5	34	
Ethylbenzene	0.0180	0.00500	mg/kg wet	0.02000		90.1	71-134	3.22	31	
Iodomethane	0.0202	0.0100	mg/kg wet	0.02000		101	13-162	38.4	31	
Methylene Chloride	0.0102	0.00500	mg/kg wet	0.02000		50.8	10-195	60.6	51	B
Methyl tert-Butyl Ether	0.0204	0.0100	mg/kg wet	0.02000		102	54-153	19.7	35	
m,p-Xylene	0.0366	0.0100	mg/kg wet	0.04000		91.6	70-138	4.17	31	
n-Hexane	0.0102	0.00500	mg/kg wet	0.02120		48.3	10-185	69.2	60	
o-Xylene	0.0188	0.00500	mg/kg wet	0.02000		93.8	72-139	8.77	23	
Styrene	0.0202	0.00500	mg/kg wet	0.02000		101	71-142	13.0	22	
Tetrachloroethene	0.0156	0.00500	mg/kg wet	0.02000		78.2	41-161	1.65	40	
Toluene	0.0175	0.00500	mg/kg wet	0.02000		87.6	70-136	2.78	22	
trans-1,2-Dichloroethene	0.0166	0.00500	mg/kg wet	0.02000		83.0	36-159	11.1	24	
trans-1,3-Dichloropropene	0.0212	0.00500	mg/kg wet	0.02000		106	64-142	7.36	20	
Trichloroethene	0.0168	0.00500	mg/kg wet	0.02000		84.2	65-136	1.12	23	
Trichlorofluoromethane	0.0274	0.00500	mg/kg wet	0.02000		137	41-163	18.1	26	
Vinyl Chloride	0.0295	0.00500	mg/kg wet	0.02000		148	45-149	29.2	27	
Vinyl acetate	0.0217	0.0100	mg/kg wet	0.02000		108	10-208	52.1	77	
Surrogate: 4-Bromofluorobenzene	42.9		ug/L	50.00		85.9	41-140			
Surrogate: Dibromofluoromethane	37.2		ug/L	50.00		74.5	33-129			
Surrogate: Toluene-d8	40.0		ug/L	50.00		80.0	44-130			
Surrogate: 1,2-Dichloroethane-d4	34.7		ug/L	50.00		69.4	31-123			

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

Lab Order: 10J0915

Volatile Organic Compounds by EPA Method 8260A/B - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1045188 - VOC PREP

LCS Dup (1045188-BSD3)

Prepared: 10/26/10 Analyzed: 10/27/10

1,1,1,2-Tetrachloroethane	0.0276	0.00500	mg/kg wet	0.02000		138	69-142	15.2	23	
1,1,1-Trichloroethane	0.0225	0.00500	mg/kg wet	0.02000		113	58-127	0.0444	20	
1,1,2,2-Tetrachloroethane	0.0293	0.00500	mg/kg wet	0.02000		147	74-141	32.1	20	
1,1,2-Trichloroethane	0.0275	0.00500	mg/kg wet	0.02000		138	73-140	14.1	15	
1,1-Dichloroethane	0.0209	0.00500	mg/kg wet	0.02000		104	60-130	8.18	20	
1,1-Dichloroethene	0.0196	0.00500	mg/kg wet	0.02000		98.2	62-142	22.0	20	
1,1-Dichloropropene	0.0213	0.00500	mg/kg wet	0.02000		106	63-142	2.96	24	
1,2-Dibromoethane	0.0266	0.00500	mg/kg wet	0.02000		133	72-140	13.6	20	
1,2-Dichloroethane	0.0235	0.00500	mg/kg wet	0.02000		118	70-142	2.11	18	
1,2-Dichloropropane	0.0235	0.00500	mg/kg wet	0.02000		118	66-139	0.812	22	
1,3-Dichloropropane	0.0259	0.00500	mg/kg wet	0.02000		130	75-139	11.3	17	
2,2-Dichloropropane	0.0214	0.00500	mg/kg wet	0.02000		107	10-180	2.46	40	
2-Butanone	0.0621	0.0200	mg/kg wet	0.08000		77.6	44-120	11.4	29	
2-Chlorotoluene	0.0264	0.00500	mg/kg wet	0.02000		132	69-137	12.0	30	
2-Hexanone	0.105	0.0200	mg/kg wet	0.08000		131	10-172	8.86	40	
4-Chlorotoluene	0.0277	0.00500	mg/kg wet	0.02000		138	71-140	18.4	30	
4-Methyl-2-pentanone	0.110	0.0200	mg/kg wet	0.08000		137	10-185	13.5	100	
Acetone	0.0825	0.0500	mg/kg wet	0.08000		103	10-229	25.6	40	
Acetonitrile	0.0248	0.0400	mg/kg wet	0.02000		124	35-169	10.1	69	
Acrylonitrile	0.0216	0.0200	mg/kg wet	0.02000		108	64-150	11.8	34	
Allyl chloride	0.0216	0.0100	mg/kg wet	0.02000		108	50-149	2.70	35	
Benzene	0.0214	0.00500	mg/kg wet	0.02000		107	64-138	0.743	25	
Bromobenzene	0.0463	0.00500	mg/kg wet	0.02000		232	73-140	66.9	30	
Bromochloromethane	0.0223	0.00500	mg/kg wet	0.02000		112	72-132	2.72	25	
Bromodichloromethane	0.0253	0.00500	mg/kg wet	0.02000		126	72-138	6.74	25	
Bromoform	0.0300	0.00500	mg/kg wet	0.02000		150	70-144	19.3	30	
Bromomethane	0.0296	0.00500	mg/kg wet	0.02000		148	10-199	7.06	40	
Carbon Disulfide	0.0161	0.0200	mg/kg wet	0.02000		80.4	38-148	18.2	36	
Carbon Tetrachloride	0.0231	0.00500	mg/kg wet	0.02000		116	49-148	6.08	34	
Chlorobenzene	0.0252	0.00500	mg/kg wet	0.02000		126	70-135	10.3	21	
Chloroethane	BDL	0.00500	mg/kg wet	0.02000			17-186		99	
Chloroform	0.0225	0.00500	mg/kg wet	0.02000		112	64-134	6.29	28	
Chloromethane	0.0209	0.00500	mg/kg wet	0.02000		104	47-143	1.00	25	
cis-1,2-Dichloroethene	0.0210	0.00500	mg/kg wet	0.02000		105	66-138	3.65	25	
cis-1,3-Dichloropropene	0.0279	0.00500	mg/kg wet	0.02000		140	66-141	20.0	25	
Dibromochloromethane	0.0286	0.00500	mg/kg wet	0.02000		143	70-139	14.8	25	
Dibromomethane	0.0248	0.00500	mg/kg wet	0.02000		124	76-135	7.48	23	
Dichlorodifluoromethane	0.0243	0.00500	mg/kg wet	0.02000		121	20-181	8.82	34	
Ethylbenzene	0.0243	0.00500	mg/kg wet	0.02000		121	71-134	6.90	31	
Iodomethane	0.0306	0.0100	mg/kg wet	0.02000		153	13-162	8.76	31	
Methylene Chloride	0.0225	0.00500	mg/kg wet	0.02000		112	10-195	1.77	51	B
Methyl tert-Butyl Ether	0.0231	0.0100	mg/kg wet	0.02000		116	54-153	2.56	35	
m,p-Xylene	0.0487	0.0100	mg/kg wet	0.04000		122	70-138	6.56	31	
n-Hexane	0.0263	0.00500	mg/kg wet	0.02120		124	10-185	0.266	60	
o-Xylene	0.0262	0.00500	mg/kg wet	0.02000		131	72-139	12.6	23	

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

Lab Order: 10J0915

Volatile Organic Compounds by EPA Method 8260A/B - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1045188 - VOC PREP

LCS Dup (1045188-BSD3)

Prepared: 10/26/10 Analyzed: 10/27/10

Styrene	0.0281	0.00500	mg/kg wet	0.02000		140	71-142	16.9	22	
Tetrachloroethene	0.0190	0.00500	mg/kg wet	0.02000		94.8	41-161	34.5	40	
Toluene	0.0224	0.00500	mg/kg wet	0.02000		112	70-136	3.45	22	
trans-1,2-Dichloroethene	0.0191	0.00500	mg/kg wet	0.02000		95.6	36-159	7.55	24	
trans-1,3-Dichloropropene	0.0279	0.00500	mg/kg wet	0.02000		140	64-142	20.0	20	
Trichloroethene	0.0221	0.00500	mg/kg wet	0.02000		111	65-136	3.72	23	
Trichlorofluoromethane	0.0250	0.00500	mg/kg wet	0.02000		125	41-163	0.240	26	
Vinyl Chloride	0.0235	0.00500	mg/kg wet	0.02000		118	45-149	1.94	27	
Vinyl acetate	0.0389	0.0100	mg/kg wet	0.02000		195	10-208	114	77	
Surrogate: 4-Bromofluorobenzene	57.4		ug/L	50.00		115	41-140			
Surrogate: Dibromofluoromethane	52.2		ug/L	50.00		104	33-129			
Surrogate: Toluene-d8	53.8		ug/L	50.00		108	44-130			
Surrogate: 1,2-Dichloroethane-d4	54.5		ug/L	50.00		109	31-123			

Matrix Spike (1045188-MS1)

Source: 10J0915-16

Prepared & Analyzed: 10/27/10

1,1,1,2-Tetrachloroethane	0.0216	0.00586	mg/kg dry	0.02440	ND	88.5	38-121			
1,1,1-Trichloroethane	0.0178	0.00586	mg/kg dry	0.02440	ND	73.0	35-131			
1,1,2,2-Tetrachloroethane	0.0252	0.00586	mg/kg dry	0.02440	ND	103	12-144			
1,1,2-Trichloroethane	0.0286	0.00586	mg/kg dry	0.02440	ND	117	33-126			
1,1-Dichloroethane	0.0177	0.00586	mg/kg dry	0.02440	ND	72.6	44-119			
1,1-Dichloroethene	0.0175	0.00586	mg/kg dry	0.02440	ND	71.6	31-125			
1,1-Dichloropropene	0.0162	0.00586	mg/kg dry	0.02440	ND	66.6	34-126			
1,2-Dibromoethane	0.0229	0.00586	mg/kg dry	0.02440	ND	93.9	31-123			
1,2-Dichloroethane	0.0207	0.00586	mg/kg dry	0.02440	ND	84.8	48-114			
1,2-Dichloropropane	0.0200	0.00586	mg/kg dry	0.02440	ND	82.1	44-118			
1,3-Dichloropropane	0.0218	0.00586	mg/kg dry	0.02440	ND	89.2	31-128			
2,2-Dichloropropane	0.0169	0.00586	mg/kg dry	0.02440	ND	69.5	10-149			
2-Butanone	0.0755	0.0234	mg/kg dry	0.09759	0.0230	53.7	10-159			
2-Chlorotoluene	0.0177	0.00586	mg/kg dry	0.02440	ND	72.6	18-108			
2-Hexanone	0.0818	0.0234	mg/kg dry	0.09759	ND	83.8	10-194			
4-Chlorotoluene	0.0167	0.00586	mg/kg dry	0.02440	ND	68.5	10-116			
4-Methyl-2-pentanone	0.0936	0.0234	mg/kg dry	0.09759	ND	95.9	10-186			
Acetone	0.227	0.0586	mg/kg dry	0.09759	0.249	NR	10-218			M
Acetonitrile	0.0203	0.0468	mg/kg dry	0.02440	ND	83.1	22-170			
Acrylonitrile	0.0203	0.0234	mg/kg dry	0.02440	ND	83.3	22-140			
Allyl chloride	0.0151	0.0117	mg/kg dry	0.02440	ND	61.9	28-128			
Benzene	0.0177	0.00586	mg/kg dry	0.02440	ND	72.5	39-126			
Bromobenzene	0.0472	0.00586	mg/kg dry	0.02440	ND	193	15-109			M
Bromochloromethane	0.0208	0.00586	mg/kg dry	0.02440	ND	85.2	47-124			
Bromodichloromethane	0.0205	0.00586	mg/kg dry	0.02440	ND	84.1	40-114			
Bromoform	0.0213	0.00586	mg/kg dry	0.02440	ND	87.4	19-119			
Bromomethane	0.0414	0.00586	mg/kg dry	0.02440	ND	170	10-173			M
Carbon Disulfide	0.0155	0.0234	mg/kg dry	0.02440	0.00261	52.9	17-133			
Carbon Tetrachloride	0.0137	0.00586	mg/kg dry	0.02440	ND	56.1	23-128			
Chlorobenzene	0.0190	0.00586	mg/kg dry	0.02440	ND	77.9	27-111			

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

Lab Order: 10J0915

Volatile Organic Compounds by EPA Method 8260A/B - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1045188 - VOC PREP

Matrix Spike (1045188-MS1)	Source: 10J0915-16			Prepared & Analyzed: 10/27/10						
Chloroethane	0.0300	0.00586	mg/kg dry	0.02440	ND	123	17-153			
Chloroform	0.0190	0.00586	mg/kg dry	0.02440	ND	78.0	35-130			
Chloromethane	0.0292	0.00586	mg/kg dry	0.02440	ND	120	22-139			
cis-1,2-Dichloroethene	0.0178	0.00586	mg/kg dry	0.02440	ND	72.9	42-118			
cis-1,3-Dichloropropene	0.0210	0.00586	mg/kg dry	0.02440	ND	86.1	27-113			
Dibromochloromethane	0.0231	0.00586	mg/kg dry	0.02440	ND	94.6	29-122			
Dibromomethane	0.0221	0.00586	mg/kg dry	0.02440	ND	90.5	39-126			
Dichlorodifluoromethane	0.0378	0.00586	mg/kg dry	0.02440	ND	155	10-184			
Ethylbenzene	0.0191	0.00586	mg/kg dry	0.02440	0.00264	67.6	27-117			
Iodomethane	0.0286	0.0117	mg/kg dry	0.02440	ND	117	10-127			
Methylene Chloride	0.0232	0.00586	mg/kg dry	0.02440	0.0109	50.4	10-179			B
Methyl tert-Butyl Ether	0.0237	0.0117	mg/kg dry	0.02440	0.00152	90.9	38-126			
m,p-Xylene	0.0432	0.0117	mg/kg dry	0.04880	0.0107	66.6	26-114			
n-Hexane	0.0167	0.00586	mg/kg dry	0.02586	0.00559	43.2	10-122			
o-Xylene	0.0222	0.00586	mg/kg dry	0.02440	0.00406	74.5	28-119			
Styrene	0.0191	0.00586	mg/kg dry	0.02440	ND	78.1	17-104			
Tetrachloroethene	0.0119	0.00586	mg/kg dry	0.02440	ND	48.9	24-114			
Toluene	0.0185	0.00586	mg/kg dry	0.02440	0.00171	68.7	32-121			
trans-1,2-Dichloroethene	0.0160	0.00586	mg/kg dry	0.02440	ND	65.5	32-122			
trans-1,3-Dichloropropene	0.0210	0.00586	mg/kg dry	0.02440	ND	86.1	19-109			
Trichloroethene	0.0170	0.00586	mg/kg dry	0.02440	ND	69.8	42-109			
Trichlorofluoromethane	0.0234	0.00586	mg/kg dry	0.02440	ND	95.9	10-158			
Vinyl Chloride	0.0291	0.00586	mg/kg dry	0.02440	ND	119	22-143			
Vinyl acetate	0.0156	0.0117	mg/kg dry	0.02440	ND	63.9	10-127			
Surrogate: 4-Bromofluorobenzene	58.8		ug/L	50.00		118	41-140			
Surrogate: Dibromofluoromethane	61.8		ug/L	50.00		124	33-129			
Surrogate: Toluene-d8	63.3		ug/L	50.00		127	44-130			
Surrogate: 1,2-Dichloroethane-d4	59.8		ug/L	50.00		120	31-123			

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

Lab Order: 10J0915

Volatile Organic Compounds by EPA Method 8260A/B - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 1045188 - VOC PREP</b>										
<b>Matrix Spike Dup (1045188-MSD1)</b>	<b>Source: 10J0915-16</b>			<b>Prepared &amp; Analyzed: 10/27/10</b>						
1,1,1,2-Tetrachloroethane	0.0224	0.00604	mg/kg dry	0.02440	ND	91.7	38-121	3.56	50	
1,1,1-Trichloroethane	0.0188	0.00604	mg/kg dry	0.02440	ND	77.1	35-131	5.48	60	
1,1,2,2-Tetrachloroethane	0.0293	0.00604	mg/kg dry	0.02440	ND	120	12-144	14.9	51	
1,1,2-Trichloroethane	0.0315	0.00604	mg/kg dry	0.02440	ND	129	33-126	9.65	46	M
1,1-Dichloroethane	0.0182	0.00604	mg/kg dry	0.02440	ND	74.8	44-119	3.01	48	
1,1-Dichloroethene	0.0157	0.00604	mg/kg dry	0.02440	ND	64.5	31-125	10.3	61	
1,1-Dichloropropene	0.0168	0.00604	mg/kg dry	0.02440	ND	68.7	34-126	3.08	81	
1,2-Dibromoethane	0.0261	0.00604	mg/kg dry	0.02440	ND	107	31-123	13.2	56	
1,2-Dichloroethane	0.0225	0.00604	mg/kg dry	0.02440	ND	92.3	48-114	8.47	40	
1,2-Dichloropropane	0.0211	0.00604	mg/kg dry	0.02440	ND	86.5	44-118	5.22	48	
1,3-Dichloropropane	0.0240	0.00604	mg/kg dry	0.02440	ND	98.3	31-128	9.68	50	
2,2-Dichloropropane	0.0169	0.00604	mg/kg dry	0.02440	ND	69.4	10-149	0.0108	50	
2-Butanone	0.0928	0.0242	mg/kg dry	0.09759	0.0230	71.5	10-159	20.6	60	
2-Chlorotoluene	0.0190	0.00604	mg/kg dry	0.02440	ND	78.0	18-108	7.16	75	
2-Hexanone	0.102	0.0242	mg/kg dry	0.09759	ND	104	10-194	21.7	58	
4-Chlorotoluene	0.0182	0.00604	mg/kg dry	0.02440	ND	74.8	10-116	8.72	80	
4-Methyl-2-pentanone	0.116	0.0242	mg/kg dry	0.09759	ND	119	10-186	21.1	60	
Acetone	0.260	0.0604	mg/kg dry	0.09759	0.249	11.1	10-218	13.6	60	
Acetonitrile	0.0257	0.0483	mg/kg dry	0.02440	ND	105	22-170	23.8	70	
Acrylonitrile	0.0243	0.0242	mg/kg dry	0.02440	ND	99.6	22-140	17.9	69	
Allyl chloride	0.0152	0.0121	mg/kg dry	0.02440	ND	62.4	28-128	0.881	68	
Benzene	0.0188	0.00604	mg/kg dry	0.02440	ND	77.0	39-126	5.95	61	
Bromobenzene	0.0468	0.00604	mg/kg dry	0.02440	ND	192	15-109	0.973	50	M
Bromochloromethane	0.0230	0.00604	mg/kg dry	0.02440	ND	94.2	47-124	10.0	48	
Bromodichloromethane	0.0215	0.00604	mg/kg dry	0.02440	ND	88.0	40-114	4.55	49	
Bromoform	0.0245	0.00604	mg/kg dry	0.02440	ND	100	19-119	13.9	63	
Bromomethane	0.0533	0.00604	mg/kg dry	0.02440	ND	219	10-173	25.3	40	M
Carbon Disulfide	0.0152	0.0242	mg/kg dry	0.02440	0.00261	51.7	17-133	1.87	74	
Carbon Tetrachloride	0.0111	0.00604	mg/kg dry	0.02440	ND	45.4	23-128	21.0	60	
Chlorobenzene	0.0204	0.00604	mg/kg dry	0.02440	ND	83.7	27-111	7.24	50	
Chloroethane	0.0384	0.00604	mg/kg dry	0.02440	ND	157	17-153	24.6	75	M
Chloroform	0.0199	0.00604	mg/kg dry	0.02440	ND	81.4	35-130	4.24	52	
Chloromethane	0.0374	0.00604	mg/kg dry	0.02440	ND	153	22-139	24.7	42	M
cis-1,2-Dichloroethene	0.0183	0.00604	mg/kg dry	0.02440	ND	75.2	42-118	3.14	63	
cis-1,3-Dichloropropene	0.0216	0.00604	mg/kg dry	0.02440	ND	88.5	27-113	2.74	50	
Dibromochloromethane	0.0249	0.00604	mg/kg dry	0.02440	ND	102	29-122	7.44	59	
Dibromomethane	0.0250	0.00604	mg/kg dry	0.02440	ND	102	39-126	12.3	48	
Dichlorodifluoromethane	0.0520	0.00604	mg/kg dry	0.02440	ND	213	10-184	31.8	108	M
Ethylbenzene	0.0201	0.00604	mg/kg dry	0.02440	0.00264	71.6	27-117	5.02	40	
Iodomethane	0.0346	0.0121	mg/kg dry	0.02440	ND	142	10-127	19.1	50	M
Methylene Chloride	0.0231	0.00604	mg/kg dry	0.02440	0.0109	49.9	10-179	0.522	58	B
Methyl tert-Butyl Ether	0.0260	0.0121	mg/kg dry	0.02440	0.00152	100	38-126	9.25	50	
m,p-Xylene	0.0443	0.0121	mg/kg dry	0.04880	0.0107	68.9	26-114	2.56	40	
n-Hexane	0.0178	0.00604	mg/kg dry	0.02586	0.00559	47.2	10-122	6.04	70	
o-Xylene	0.0229	0.00604	mg/kg dry	0.02440	0.00406	77.2	28-119	2.97	40	

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

Lab Order: 10J0915

**Volatile Organic Compounds by EPA Method 8260A/B - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 1045188 - VOC PREP**

Matrix Spike Dup (1045188-MSD1)	Source: 10J0915-16			Prepared & Analyzed: 10/27/10						
Styrene	0.0201	0.00604	mg/kg dry	0.02440	ND	82.5	17-104	5.44	40	
Tetrachloroethene	0.0131	0.00604	mg/kg dry	0.02440	ND	53.6	24-114	9.07	50	
Toluene	0.0196	0.00604	mg/kg dry	0.02440	0.00171	73.2	32-121	5.77	40	
trans-1,2-Dichloroethene	0.0171	0.00604	mg/kg dry	0.02440	ND	69.9	32-122	6.46	50	
trans-1,3-Dichloropropene	0.0216	0.00604	mg/kg dry	0.02440	ND	88.5	19-109	2.74	51	
Trichloroethene	0.0189	0.00604	mg/kg dry	0.02440	ND	77.5	42-109	10.4	38	
Trichlorofluoromethane	0.0312	0.00604	mg/kg dry	0.02440	ND	128	10-158	28.7	120	
Vinyl Chloride	0.0383	0.00604	mg/kg dry	0.02440	ND	157	22-143	27.2	60	M
Vinyl acetate	0.0156	0.0121	mg/kg dry	0.02440	ND	64.0	10-127	0.106	119	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>56.1</i>		<i>ug/L</i>	<i>50.00</i>		<i>112</i>	<i>41-140</i>			
<i>Surrogate: Dibromofluoromethane</i>	<i>59.3</i>		<i>ug/L</i>	<i>50.00</i>		<i>119</i>	<i>33-129</i>			
<i>Surrogate: Toluene-d8</i>	<i>60.4</i>		<i>ug/L</i>	<i>50.00</i>		<i>121</i>	<i>44-130</i>			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>60.0</i>		<i>ug/L</i>	<i>50.00</i>		<i>120</i>	<i>31-123</i>			

**Batch 1045194 - VOC PREP**

Blank (1045194-BLK1)	Prepared & Analyzed: 10/28/10									
1,1,1,2-Tetrachloroethane	BDL	0.00500	mg/kg wet							
1,1,1-Trichloroethane	BDL	0.00500	mg/kg wet							
1,1,2,2-Tetrachloroethane	BDL	0.00500	mg/kg wet							
1,1,2-Trichloroethane	BDL	0.00500	mg/kg wet							
1,1-Dichloroethane	BDL	0.00500	mg/kg wet							
1,1-Dichloroethene	BDL	0.00500	mg/kg wet							
1,1-Dichloropropene	BDL	0.00500	mg/kg wet							
1,2-Dibromoethane	BDL	0.00500	mg/kg wet							
1,2-Dichloroethane	BDL	0.00500	mg/kg wet							
1,2-Dichloropropane	BDL	0.00500	mg/kg wet							
1,3-Dichloropropane	BDL	0.00500	mg/kg wet							
2,2-Dichloropropane	BDL	0.00500	mg/kg wet							
2-Butanone	BDL	0.0200	mg/kg wet							
2-Chlorotoluene	BDL	0.00500	mg/kg wet							
2-Hexanone	BDL	0.0200	mg/kg wet							
4-Chlorotoluene	BDL	0.00500	mg/kg wet							
4-Methyl-2-pentanone	BDL	0.0200	mg/kg wet							
Acetone	BDL	0.0500	mg/kg wet							
Acetonitrile	BDL	0.0400	mg/kg wet							
Acrolein	BDL	0.0200	mg/kg wet							
Acrylonitrile	BDL	0.0200	mg/kg wet							
Allyl chloride	BDL	0.0100	mg/kg wet							
Benzene	BDL	0.00500	mg/kg wet							
Bromobenzene	BDL	0.00500	mg/kg wet							
Bromochloromethane	BDL	0.00500	mg/kg wet							
Bromodichloromethane	BDL	0.00500	mg/kg wet							
Bromoform	BDL	0.00500	mg/kg wet							
Bromomethane	BDL	0.00500	mg/kg wet							

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

Lab Order: 10J0915

Volatile Organic Compounds by EPA Method 8260A/B - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1045194 - VOC PREP

Blank (1045194-BLK1)

Prepared & Analyzed: 10/28/10

Carbon Disulfide	BDL	0.0200	mg/kg wet							
Carbon Tetrachloride	BDL	0.00500	mg/kg wet							
Chlorobenzene	BDL	0.00500	mg/kg wet							
Chloroethane	BDL	0.00500	mg/kg wet							
Chloroform	BDL	0.00500	mg/kg wet							
Chloromethane	BDL	0.00500	mg/kg wet							
cis-1,2-Dichloroethene	BDL	0.00500	mg/kg wet							
cis-1,3-Dichloropropene	BDL	0.00500	mg/kg wet							
Dibromochloromethane	BDL	0.00500	mg/kg wet							
Dibromomethane	BDL	0.00500	mg/kg wet							
Dichlorodifluoromethane	BDL	0.00500	mg/kg wet							
Ethylbenzene	BDL	0.00500	mg/kg wet							
Iodomethane	BDL	0.0100	mg/kg wet							
Methylene Chloride	BDL	0.00500	mg/kg wet							
Methyl tert-Butyl Ether	BDL	0.0100	mg/kg wet							
m,p-Xylene	BDL	0.0100	mg/kg wet							
n-Hexane	BDL	0.00500	mg/kg wet							
o-Xylene	BDL	0.00500	mg/kg wet							
Styrene	BDL	0.00500	mg/kg wet							
Tetrachloroethene	BDL	0.00500	mg/kg wet							
Toluene	BDL	0.00500	mg/kg wet							
trans-1,2-Dichloroethene	BDL	0.00500	mg/kg wet							
trans-1,3-Dichloropropene	BDL	0.00500	mg/kg wet							
Trichloroethene	BDL	0.00500	mg/kg wet							
Trichlorofluoromethane	BDL	0.00500	mg/kg wet							
Vinyl Chloride	BDL	0.00500	mg/kg wet							
Vinyl acetate	BDL	0.0100	mg/kg wet							
Surrogate: 4-Bromofluorobenzene	41.5		ug/L	50.00		82.9	41-140			
Surrogate: Dibromofluoromethane	35.4		ug/L	50.00		70.8	33-129			
Surrogate: Toluene-d8	37.7		ug/L	50.00		75.5	44-130			
Surrogate: 1,2-Dichloroethane-d4	35.5		ug/L	50.00		70.9	31-123			

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

Lab Order: 10J0915

Volatile Organic Compounds by EPA Method 8260A/B - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1045194 - VOC PREP

LCS (1045194-BS1)

Prepared & Analyzed: 10/28/10

1,1,1,2-Tetrachloroethane	0.0200	0.00500	mg/kg wet	0.02000		100	69-142			
1,1,1-Trichloroethane	0.0169	0.00500	mg/kg wet	0.02000		84.4	58-127			
1,1,2,2-Tetrachloroethane	0.0240	0.00500	mg/kg wet	0.02000		120	74-141			
1,1,2-Trichloroethane	0.0224	0.00500	mg/kg wet	0.02000		112	73-140			
1,1-Dichloroethane	0.0184	0.00500	mg/kg wet	0.02000		92.0	60-130			
1,1-Dichloroethene	0.0172	0.00500	mg/kg wet	0.02000		86.2	62-142			
1,1-Dichloropropene	0.0166	0.00500	mg/kg wet	0.02000		82.9	63-142			
1,2-Dibromoethane	0.0208	0.00500	mg/kg wet	0.02000		104	72-140			
1,2-Dichloroethane	0.0184	0.00500	mg/kg wet	0.02000		92.0	70-142			
1,2-Dichloropropane	0.0191	0.00500	mg/kg wet	0.02000		95.6	66-139			
1,3-Dichloropropane	0.0208	0.00500	mg/kg wet	0.02000		104	75-139			
2,2-Dichloropropane	0.0178	0.00500	mg/kg wet	0.02000		88.8	10-180			
2-Butanone	0.0666	0.0200	mg/kg wet	0.08000		83.2	44-120			
2-Chlorotoluene	0.0204	0.00500	mg/kg wet	0.02000		102	69-137			
2-Hexanone	0.0958	0.0200	mg/kg wet	0.08000		120	10-172			
4-Chlorotoluene	0.0200	0.00500	mg/kg wet	0.02000		99.8	71-140			
4-Methyl-2-pentanone	0.0956	0.0200	mg/kg wet	0.08000		120	10-185			
Acetone	0.0722	0.0500	mg/kg wet	0.08000		90.2	10-229			
Acetonitrile	0.0231	0.0400	mg/kg wet	0.02000		115	35-169			
Acrylonitrile	0.0231	0.0200	mg/kg wet	0.02000		115	64-150			
Allyl chloride	0.0191	0.0100	mg/kg wet	0.02000		95.4	50-149			
Benzene	0.0175	0.00500	mg/kg wet	0.02000		87.6	64-138			
Bromobenzene	0.0201	0.00500	mg/kg wet	0.02000		100	73-140			
Bromochloromethane	0.0193	0.00500	mg/kg wet	0.02000		96.6	72-132			
Bromodichloromethane	0.0198	0.00500	mg/kg wet	0.02000		99.1	72-138			
Bromoform	0.0229	0.00500	mg/kg wet	0.02000		114	70-144			
Bromomethane	0.0300	0.00500	mg/kg wet	0.02000		150	10-199			
Carbon Disulfide	0.0142	0.0200	mg/kg wet	0.02000		71.2	38-148			
Carbon Tetrachloride	0.0165	0.00500	mg/kg wet	0.02000		82.4	49-148			
Chlorobenzene	0.0196	0.00500	mg/kg wet	0.02000		98.1	70-135			
Chloroethane	0.0438	0.00500	mg/kg wet	0.02000		219	17-186			L
Chloroform	0.0172	0.00500	mg/kg wet	0.02000		86.1	64-134			
Chloromethane	0.0349	0.00500	mg/kg wet	0.02000		174	47-143			L
cis-1,2-Dichloroethene	0.0181	0.00500	mg/kg wet	0.02000		90.7	66-138			
cis-1,3-Dichloropropene	0.0202	0.00500	mg/kg wet	0.02000		101	66-141			
Dibromochloromethane	0.0220	0.00500	mg/kg wet	0.02000		110	70-139			
Dibromomethane	0.0204	0.00500	mg/kg wet	0.02000		102	76-135			
Dichlorodifluoromethane	0.0412	0.00500	mg/kg wet	0.02000		206	20-181			L
Ethylbenzene	0.0188	0.00500	mg/kg wet	0.02000		94.0	71-134			
Iodomethane	0.0203	0.0100	mg/kg wet	0.02000		102	13-162			
Methylene Chloride	0.0110	0.00500	mg/kg wet	0.02000		55.0	10-195			
Methyl tert-Butyl Ether	0.0202	0.0100	mg/kg wet	0.02000		101	54-153			
m,p-Xylene	0.0386	0.0100	mg/kg wet	0.04000		96.6	70-138			
n-Hexane	0.00909	0.00500	mg/kg wet	0.02120		42.9	10-185			
o-Xylene	0.0197	0.00500	mg/kg wet	0.02000		98.6	72-139			



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

Lab Order: 10J0915

Volatile Organic Compounds by EPA Method 8260A/B - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1045194 - VOC PREP

LCS (1045194-BS1)

Prepared & Analyzed: 10/28/10

Styrene	0.0212	0.00500	mg/kg wet	0.02000		106	71-142			
Tetrachloroethene	0.0158	0.00500	mg/kg wet	0.02000		78.8	41-161			
Toluene	0.0180	0.00500	mg/kg wet	0.02000		90.0	70-136			
trans-1,2-Dichloroethene	0.0176	0.00500	mg/kg wet	0.02000		87.8	36-159			
trans-1,3-Dichloropropene	0.0218	0.00500	mg/kg wet	0.02000		109	64-142			
Trichloroethene	0.0175	0.00500	mg/kg wet	0.02000		87.6	65-136			
Trichlorofluoromethane	0.0272	0.00500	mg/kg wet	0.02000		136	41-163			
Vinyl Chloride	0.0298	0.00500	mg/kg wet	0.02000		149	45-149			
Vinyl acetate	0.0214	0.0100	mg/kg wet	0.02000		107	10-208			
<i>Surrogate: 4-Bromofluorobenzene</i>	42.0		ug/L	50.00		83.9	41-140			
<i>Surrogate: Dibromofluoromethane</i>	37.5		ug/L	50.00		75.0	33-129			
<i>Surrogate: Toluene-d8</i>	39.3		ug/L	50.00		78.7	44-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	35.9		ug/L	50.00		71.8	31-123			

LCS Dup (1045194-BSD1)

Prepared & Analyzed: 10/28/10

1,1,1,2-Tetrachloroethane	0.0192	0.00500	mg/kg wet	0.02000		96.2	69-142	3.97	23	
1,1,1-Trichloroethane	0.0166	0.00500	mg/kg wet	0.02000		83.2	58-127	1.49	20	
1,1,2,2-Tetrachloroethane	0.0237	0.00500	mg/kg wet	0.02000		118	74-141	1.13	20	
1,1,2-Trichloroethane	0.0218	0.00500	mg/kg wet	0.02000		109	73-140	2.40	15	
1,1-Dichloroethane	0.0176	0.00500	mg/kg wet	0.02000		88.3	60-130	4.11	20	
1,1-Dichloroethene	0.0163	0.00500	mg/kg wet	0.02000		81.5	62-142	5.61	20	
1,1-Dichloropropene	0.0160	0.00500	mg/kg wet	0.02000		80.0	63-142	3.56	24	
1,2-Dibromoethane	0.0208	0.00500	mg/kg wet	0.02000		104	72-140	0.144	20	
1,2-Dichloroethane	0.0185	0.00500	mg/kg wet	0.02000		92.5	70-142	0.542	18	
1,2-Dichloropropane	0.0184	0.00500	mg/kg wet	0.02000		92.0	66-139	3.89	22	
1,3-Dichloropropane	0.0202	0.00500	mg/kg wet	0.02000		101	75-139	2.69	17	
2,2-Dichloropropane	0.0170	0.00500	mg/kg wet	0.02000		85.0	10-180	4.32	40	
2-Butanone	0.0678	0.0200	mg/kg wet	0.08000		84.8	44-120	1.89	29	
2-Chlorotoluene	0.0191	0.00500	mg/kg wet	0.02000		95.6	69-137	6.67	30	
2-Hexanone	0.0983	0.0200	mg/kg wet	0.08000		123	10-172	2.62	40	
4-Chlorotoluene	0.0188	0.00500	mg/kg wet	0.02000		93.8	71-140	6.20	30	
4-Methyl-2-pentanone	0.0971	0.0200	mg/kg wet	0.08000		121	10-185	1.55	100	
Acetone	0.0744	0.0500	mg/kg wet	0.08000		93.1	10-229	3.14	40	
Acetonitrile	0.0233	0.0400	mg/kg wet	0.02000		117	35-169	1.08	69	
Acrylonitrile	0.0224	0.0200	mg/kg wet	0.02000		112	64-150	2.81	34	
Allyl chloride	0.0179	0.0100	mg/kg wet	0.02000		89.5	50-149	6.43	35	
Benzene	0.0172	0.00500	mg/kg wet	0.02000		86.0	64-138	1.96	25	
Bromobenzene	0.0194	0.00500	mg/kg wet	0.02000		96.9	73-140	3.65	30	
Bromochloromethane	0.0190	0.00500	mg/kg wet	0.02000		94.8	72-132	1.78	25	
Bromodichloromethane	0.0195	0.00500	mg/kg wet	0.02000		97.6	72-138	1.47	25	
Bromoform	0.0227	0.00500	mg/kg wet	0.02000		114	70-144	0.746	30	
Bromomethane	0.0311	0.00500	mg/kg wet	0.02000		156	10-199	3.73	40	
Carbon Disulfide	0.0135	0.0200	mg/kg wet	0.02000		67.4	38-148	5.48	36	
Carbon Tetrachloride	0.0160	0.00500	mg/kg wet	0.02000		80.0	49-148	2.89	34	
Chlorobenzene	0.0189	0.00500	mg/kg wet	0.02000		94.6	70-135	3.63	21	

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

Lab Order: 10J0915

Volatile Organic Compounds by EPA Method 8260A/B - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1045194 - VOC PREP

LCS Dup (1045194-BSD1)

Prepared & Analyzed: 10/28/10

Chloroethane	0.0440	0.00500	mg/kg wet	0.02000		220	17-186	0.387	99	L
Chloroform	0.0167	0.00500	mg/kg wet	0.02000		83.5	64-134	3.13	28	
Chloromethane	0.0338	0.00500	mg/kg wet	0.02000		169	47-143	3.26	25	L
cis-1,2-Dichloroethene	0.0176	0.00500	mg/kg wet	0.02000		87.8	66-138	3.19	25	
cis-1,3-Dichloropropene	0.0198	0.00500	mg/kg wet	0.02000		98.8	66-141	2.40	25	
Dibromochloromethane	0.0214	0.00500	mg/kg wet	0.02000		107	70-139	2.53	25	
Dibromomethane	0.0202	0.00500	mg/kg wet	0.02000		101	76-135	0.986	23	
Dichlorodifluoromethane	0.0406	0.00500	mg/kg wet	0.02000		203	20-181	1.47	34	L
Ethylbenzene	0.0180	0.00500	mg/kg wet	0.02000		90.1	71-134	4.18	31	
Iodomethane	0.0202	0.0100	mg/kg wet	0.02000		101	13-162	0.296	31	
Methylene Chloride	0.0102	0.00500	mg/kg wet	0.02000		50.8	10-195	8.13	51	
Methyl tert-Butyl Ether	0.0204	0.0100	mg/kg wet	0.02000		102	54-153	0.739	35	
m,p-Xylene	0.0366	0.0100	mg/kg wet	0.04000		91.6	70-138	5.29	31	
n-Hexane	0.0102	0.00500	mg/kg wet	0.02120		48.3	10-185	11.8	60	
o-Xylene	0.0188	0.00500	mg/kg wet	0.02000		93.8	72-139	4.94	23	
Styrene	0.0202	0.00500	mg/kg wet	0.02000		101	71-142	4.88	22	
Tetrachloroethene	0.0156	0.00500	mg/kg wet	0.02000		78.2	41-161	0.828	40	
Toluene	0.0175	0.00500	mg/kg wet	0.02000		87.6	70-136	2.76	22	
trans-1,2-Dichloroethene	0.0166	0.00500	mg/kg wet	0.02000		83.0	36-159	5.62	24	
trans-1,3-Dichloropropene	0.0212	0.00500	mg/kg wet	0.02000		106	64-142	2.93	20	
Trichloroethene	0.0168	0.00500	mg/kg wet	0.02000		84.2	65-136	3.90	23	
Trichlorofluoromethane	0.0274	0.00500	mg/kg wet	0.02000		137	41-163	0.659	26	
Vinyl Chloride	0.0295	0.00500	mg/kg wet	0.02000		148	45-149	0.977	27	
Vinyl acetate	0.0217	0.0100	mg/kg wet	0.02000		108	10-208	1.21	77	
Surrogate: 4-Bromofluorobenzene	42.9		ug/L	50.00		85.9	41-140			
Surrogate: Dibromofluoromethane	37.2		ug/L	50.00		74.5	33-129			
Surrogate: Toluene-d8	40.0		ug/L	50.00		80.0	44-130			
Surrogate: 1,2-Dichloroethane-d4	34.7		ug/L	50.00		69.4	31-123			

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

**Lab Order:** 10J0915

**Conventional Chemistry Parameters by ASTM Methods - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 1045103 - Wet Chem Prep**

<b>Duplicate (1045103-DUP1)</b>		<b>Source: 10J0890-01</b>		Prepared & Analyzed: 11/01/10						
% Solids	96.2		% by Weight		92.9			3.45	5	
Percent Moisture	3.84		% by Weight		7.10			59.6	200	
<b>Duplicate (1045103-DUP2)</b>		<b>Source: 10J0890-21</b>		Prepared & Analyzed: 11/01/10						
% Solids	94.0		% by Weight		81.1			14.7	5	
Percent Moisture	6.03		% by Weight		18.9			103	200	
<b>Duplicate (1045103-DUP3)</b>		<b>Source: 10J0915-13</b>		Prepared & Analyzed: 11/01/10						
% Solids	95.7		% by Weight		95.6			0.0879	5	
Percent Moisture	4.35		% by Weight		4.43			1.92	200	
<b>Duplicate (1045103-DUP4)</b>		<b>Source: 10J1390-01</b>		Prepared & Analyzed: 11/01/10						
% Solids	37.7		% by Weight		35.9			5.09	5	
Percent Moisture	62.3		% by Weight		64.1			2.97	200	

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

Lab Order: 10J0915

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 1044006 - PREP SVOC S

Blank (1044006-BLK1)

Prepared & Analyzed: 10/25/10

2-Methylnaphthalene	BDL	0.100	mg/kg wet							
Acenaphthene	BDL	0.100	mg/kg wet							
Acenaphthylene	BDL	0.100	mg/kg wet							
Anthracene	BDL	0.100	mg/kg wet							
Benz(a)anthracene	BDL	0.100	mg/kg wet							
Benzo(a)pyrene	BDL	0.100	mg/kg wet							
Benzo(b)fluoranthene	BDL	0.100	mg/kg wet							
Benzo(g,h,i)perylene	BDL	0.100	mg/kg wet							
Benzo(k)fluoranthene	BDL	0.100	mg/kg wet							
Chrysene	BDL	0.100	mg/kg wet							
Dibenz(a,h)anthracene	BDL	0.100	mg/kg wet							
Fluoranthene	BDL	0.100	mg/kg wet							
Fluorene	BDL	0.100	mg/kg wet							
Indeno(1,2,3-cd)pyrene	BDL	0.100	mg/kg wet							
Naphthalene	BDL	0.100	mg/kg wet							
Phenanthrene	BDL	0.100	mg/kg wet							
Pyrene	BDL	0.100	mg/kg wet							
Surrogate: Nitrobenzene-d5	1.02		mg/kg wet	1.333		76.4	51-126			
Surrogate: 2-Fluorobiphenyl	1.12		mg/kg wet	1.333		83.8	56-121			
Surrogate: Terphenyl-d14	1.46		mg/kg wet	1.333		109	40-140			

LCS (1044006-BS1)

Prepared & Analyzed: 10/25/10

2-Methylnaphthalene	1.98	0.100	mg/kg wet	3.333		59.3	24-125			
Acenaphthene	2.44	0.100	mg/kg wet	3.333		73.3	60-110			
Acenaphthylene	2.25	0.100	mg/kg wet	3.333		67.6	45-124			
Anthracene	2.23	0.100	mg/kg wet	3.333		66.8	46-117			
Benz(a)anthracene	2.61	0.100	mg/kg wet	3.333		78.2	43-139			
Benzo(a)pyrene	2.35	0.100	mg/kg wet	3.333		70.5	40-147			
Benzo(b)fluoranthene	2.50	0.100	mg/kg wet	3.333		74.9	40-157			
Benzo(g,h,i)perylene	2.83	0.100	mg/kg wet	3.333		84.8	37-159			
Benzo(k)fluoranthene	1.55	0.100	mg/kg wet	3.333		46.6	32-123			
Chrysene	2.77	0.100	mg/kg wet	3.333		83.2	38-136			
Dibenz(a,h)anthracene	2.85	0.100	mg/kg wet	3.333		85.5	20-181			
Fluoranthene	2.63	0.100	mg/kg wet	3.333		79.0	49-118			
Fluorene	2.21	0.100	mg/kg wet	3.333		66.3	52-129			
Indeno(1,2,3-cd)pyrene	2.81	0.100	mg/kg wet	3.333		84.2	40-160			
Naphthalene	2.14	0.100	mg/kg wet	3.333		64.1	39-118			
Phenanthrene	1.41	0.100	mg/kg wet	3.333		42.3	46-109			A-01a
Pyrene	2.48	0.100	mg/kg wet	3.333		74.3	47-123			
Surrogate: Nitrobenzene-d5	1.03		mg/kg wet	1.333		77.2	51-126			
Surrogate: 2-Fluorobiphenyl	1.11		mg/kg wet	1.333		83.0	56-121			
Surrogate: Terphenyl-d14	1.53		mg/kg wet	1.333		114	40-140			

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

Lab Order: 10J0915

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
<b>Batch 1044006 - PREP SVOC S</b>										
<b>LCS Dup (1044006-BSD1)</b>										
Prepared & Analyzed: 10/25/10										
2-Methylnaphthalene	2.07	0.100	mg/kg wet	3.333		62.2	24-125	4.68	20	
Acenaphthene	2.48	0.100	mg/kg wet	3.333		74.5	60-110	1.66	13	
Acenaphthylene	2.27	0.100	mg/kg wet	3.333		68.2	45-124	0.780	20	
Anthracene	2.23	0.100	mg/kg wet	3.333		66.9	46-117	0.150	20	
Benz(a)anthracene	2.52	0.100	mg/kg wet	3.333		75.7	43-139	3.31	20	
Benzo(a)pyrene	2.46	0.100	mg/kg wet	3.333		73.7	40-147	4.52	20	
Benzo(b)fluoranthene	2.43	0.100	mg/kg wet	3.333		72.8	40-157	2.82	25	
Benzo(g,h,i)perylene	2.73	0.100	mg/kg wet	3.333		81.8	37-159	3.55	25	
Benzo(k)fluoranthene	1.91	0.100	mg/kg wet	3.333		57.4	32-123	20.7	40	
Chrysene	2.80	0.100	mg/kg wet	3.333		84.0	38-136	1.00	20	
Dibenz(a,h)anthracene	2.83	0.100	mg/kg wet	3.333		84.9	20-181	0.645	20	
Fluoranthene	2.66	0.100	mg/kg wet	3.333		79.7	49-118	0.857	20	
Fluorene	2.34	0.100	mg/kg wet	3.333		70.1	52-129	5.48	20	
Indeno(1,2,3-cd)pyrene	2.78	0.100	mg/kg wet	3.333		83.4	40-160	0.967	20	
Naphthalene	2.20	0.100	mg/kg wet	3.333		66.1	39-118	3.10	20	
Phenanthrene	1.49	0.100	mg/kg wet	3.333		44.7	46-109	5.49	20	A-01a
Pyrene	2.54	0.100	mg/kg wet	3.333		76.3	47-123	2.62	20	
Surrogate: Nitrobenzene-d5	1.01		mg/kg wet	1.333		76.1	51-126			
Surrogate: 2-Fluorobiphenyl	1.13		mg/kg wet	1.333		84.9	56-121			
Surrogate: Terphenyl-d14	1.54		mg/kg wet	1.333		116	40-140			

**Batch 1044084 - PREP SVOC S**

<b>Blank (1044084-BLK1)</b>										
Prepared: 10/26/10 Analyzed: 11/01/10										
2-Methylnaphthalene	BDL	0.100	mg/kg wet							
Acenaphthene	BDL	0.100	mg/kg wet							
Acenaphthylene	BDL	0.100	mg/kg wet							
Anthracene	BDL	0.100	mg/kg wet							
Benz(a)anthracene	BDL	0.100	mg/kg wet							
Benzo(a)pyrene	BDL	0.100	mg/kg wet							
Benzo(b)fluoranthene	BDL	0.100	mg/kg wet							
Benzo(g,h,i)perylene	BDL	0.100	mg/kg wet							
Benzo(k)fluoranthene	BDL	0.100	mg/kg wet							
Chrysene	BDL	0.100	mg/kg wet							
Dibenz(a,h)anthracene	BDL	0.100	mg/kg wet							
Fluoranthene	BDL	0.100	mg/kg wet							
Fluorene	BDL	0.100	mg/kg wet							
Indeno(1,2,3-cd)pyrene	BDL	0.100	mg/kg wet							
Naphthalene	BDL	0.100	mg/kg wet							
Phenanthrene	BDL	0.100	mg/kg wet							
Pyrene	BDL	0.100	mg/kg wet							
Surrogate: Nitrobenzene-d5	0.725		mg/kg wet	1.333		54.4	51-126			
Surrogate: 2-Fluorobiphenyl	0.736		mg/kg wet	1.333		55.2	56-121			
Surrogate: Terphenyl-d14	0.642		mg/kg wet	1.333		48.1	40-140			

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

Lab Order: 10J0915

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 1044084 - PREP SVOC S

LCS (1044084-BS1)		Prepared: 10/26/10 Analyzed: 10/31/10								
2-Methylnaphthalene	2.79	0.100	mg/kg wet	3.333		83.6	24-125			
Acenaphthene	2.59	0.100	mg/kg wet	3.333		77.8	60-110			
Acenaphthylene	2.56	0.100	mg/kg wet	3.333		76.8	45-124			
Anthracene	2.70	0.100	mg/kg wet	3.333		81.0	46-117			
Benz(a)anthracene	2.47	0.100	mg/kg wet	3.333		74.1	43-139			
Benzo(a)pyrene	2.42	0.100	mg/kg wet	3.333		72.5	40-147			
Benzo(b)fluoranthene	2.25	0.100	mg/kg wet	3.333		67.4	40-157			
Benzo(g,h,i)perylene	2.55	0.100	mg/kg wet	3.333		76.6	37-159			
Benzo(k)fluoranthene	2.47	0.100	mg/kg wet	3.333		74.1	32-123			
Chrysene	2.63	0.100	mg/kg wet	3.333		79.0	38-136			
Dibenz(a,h)anthracene	2.59	0.100	mg/kg wet	3.333		77.6	20-181			
Fluoranthene	3.01	0.100	mg/kg wet	3.333		90.2	49-118			
Fluorene	2.74	0.100	mg/kg wet	3.333		82.1	52-129			
Indeno(1,2,3-cd)pyrene	2.43	0.100	mg/kg wet	3.333		73.0	40-160			
Naphthalene	2.52	0.100	mg/kg wet	3.333		75.7	39-118			
Phenanthrene	2.75	0.100	mg/kg wet	3.333		82.4	46-109			
Pyrene	2.28	0.100	mg/kg wet	3.333		68.3	47-123			
Surrogate: Nitrobenzene-d5	0.787		mg/kg wet	1.333		59.1	51-126			
Surrogate: 2-Fluorobiphenyl	0.758		mg/kg wet	1.333		56.8	56-121			
Surrogate: Terphenyl-d14	0.550		mg/kg wet	1.333		41.3	40-140			

LCS Dup (1044084-BSD1)		Prepared: 10/26/10 Analyzed: 10/31/10								
2-Methylnaphthalene	2.64	0.100	mg/kg wet	3.333		79.2	24-125	5.35	20	
Acenaphthene	2.54	0.100	mg/kg wet	3.333		76.1	60-110	2.20	13	
Acenaphthylene	2.47	0.100	mg/kg wet	3.333		74.1	45-124	3.54	20	
Anthracene	2.63	0.100	mg/kg wet	3.333		78.9	46-117	2.59	20	
Benz(a)anthracene	2.43	0.100	mg/kg wet	3.333		72.9	43-139	1.71	20	
Benzo(a)pyrene	2.34	0.100	mg/kg wet	3.333		70.2	40-147	3.25	20	
Benzo(b)fluoranthene	2.09	0.100	mg/kg wet	3.333		62.7	40-157	7.13	25	
Benzo(g,h,i)perylene	2.37	0.100	mg/kg wet	3.333		71.0	37-159	7.68	25	
Benzo(k)fluoranthene	2.47	0.100	mg/kg wet	3.333		74.1	32-123	0.0135	40	
Chrysene	2.46	0.100	mg/kg wet	3.333		73.6	38-136	6.98	20	
Dibenz(a,h)anthracene	2.61	0.100	mg/kg wet	3.333		78.3	20-181	0.936	20	
Fluoranthene	2.88	0.100	mg/kg wet	3.333		86.5	49-118	4.21	20	
Fluorene	2.79	0.100	mg/kg wet	3.333		83.8	52-129	2.01	20	
Indeno(1,2,3-cd)pyrene	2.44	0.100	mg/kg wet	3.333		73.1	40-160	0.233	20	
Naphthalene	2.49	0.100	mg/kg wet	3.333		74.7	39-118	1.30	20	
Phenanthrene	2.74	0.100	mg/kg wet	3.333		82.1	46-109	0.292	20	
Pyrene	2.05	0.100	mg/kg wet	3.333		61.6	47-123	10.4	20	
Surrogate: Nitrobenzene-d5	0.768		mg/kg wet	1.333		57.6	51-126			
Surrogate: 2-Fluorobiphenyl	0.765		mg/kg wet	1.333		57.4	56-121			
Surrogate: Terphenyl-d14	0.507		mg/kg wet	1.333		38.0	40-140			A-01b

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

Lab Order: 10J0915

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 1044161 - PREP SVOC S

Blank (1044161-BLK1)

Prepared: 10/27/10 Analyzed: 10/30/10

2-Methylnaphthalene	BDL	0.100	mg/kg wet							
Acenaphthene	BDL	0.100	mg/kg wet							
Acenaphthylene	BDL	0.100	mg/kg wet							
Anthracene	BDL	0.100	mg/kg wet							
Benz(a)anthracene	BDL	0.100	mg/kg wet							
Benzo(a)pyrene	BDL	0.100	mg/kg wet							
Benzo(b)fluoranthene	BDL	0.100	mg/kg wet							
Benzo(g,h,i)perylene	BDL	0.100	mg/kg wet							
Benzo(k)fluoranthene	BDL	0.100	mg/kg wet							
Chrysene	BDL	0.100	mg/kg wet							
Dibenz(a,h)anthracene	BDL	0.100	mg/kg wet							
Fluoranthene	BDL	0.100	mg/kg wet							
Fluorene	BDL	0.100	mg/kg wet							
Indeno(1,2,3-cd)pyrene	BDL	0.100	mg/kg wet							
Naphthalene	BDL	0.100	mg/kg wet							
Phenanthrene	BDL	0.100	mg/kg wet							
Pyrene	BDL	0.100	mg/kg wet							

Surrogate: Nitrobenzene-d5	1.34		mg/kg wet	1.333		101	51-126			
Surrogate: 2-Fluorobiphenyl	1.40		mg/kg wet	1.333		105	56-121			
Surrogate: Terphenyl-d14	1.62		mg/kg wet	1.333		121	40-140			

LCS (1044161-BS1)

Prepared: 10/27/10 Analyzed: 10/30/10

2-Methylnaphthalene	2.41	0.100	mg/kg wet	3.333		72.2	24-125			
Acenaphthene	3.01	0.100	mg/kg wet	3.333		90.2	60-110			
Acenaphthylene	3.06	0.100	mg/kg wet	3.333		91.8	45-124			
Anthracene	2.69	0.100	mg/kg wet	3.333		80.8	46-117			
Benz(a)anthracene	3.31	0.100	mg/kg wet	3.333		99.3	43-139			
Benzo(a)pyrene	3.19	0.100	mg/kg wet	3.333		95.6	40-147			
Benzo(b)fluoranthene	3.44	0.100	mg/kg wet	3.333		103	40-157			
Benzo(g,h,i)perylene	4.85	0.100	mg/kg wet	3.333		146	37-159			
Benzo(k)fluoranthene	1.80	0.100	mg/kg wet	3.333		54.1	32-123			
Chrysene	4.02	0.100	mg/kg wet	3.333		120	38-136			
Dibenz(a,h)anthracene	3.94	0.100	mg/kg wet	3.333		118	20-181			
Fluoranthene	3.37	0.100	mg/kg wet	3.333		101	49-118			
Fluorene	2.92	0.100	mg/kg wet	3.333		87.6	52-129			
Indeno(1,2,3-cd)pyrene	4.04	0.100	mg/kg wet	3.333		121	40-160			
Naphthalene	3.04	0.100	mg/kg wet	3.333		91.3	39-118			
Phenanthrene	3.22	0.100	mg/kg wet	3.333		96.7	46-109			
Pyrene	2.67	0.100	mg/kg wet	3.333		80.0	47-123			

Surrogate: Nitrobenzene-d5	1.37		mg/kg wet	1.333		103	51-126			
Surrogate: 2-Fluorobiphenyl	1.37		mg/kg wet	1.333		102	56-121			
Surrogate: Terphenyl-d14	1.49		mg/kg wet	1.333		112	40-140			

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

Lab Order: 10J0915

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 1044161 - PREP SVOC S

LCS Dup (1044161-BSD1)		Prepared: 10/27/10 Analyzed: 10/30/10								
2-Methylnaphthalene	2.42	0.100	mg/kg wet	3.333		72.6	24-125	0.635	20	
Acenaphthene	2.99	0.100	mg/kg wet	3.333		89.8	60-110	0.489	13	
Acenaphthylene	2.95	0.100	mg/kg wet	3.333		88.4	45-124	3.73	20	
Anthracene	2.67	0.100	mg/kg wet	3.333		80.2	46-117	0.758	20	
Benz(a)anthracene	3.39	0.100	mg/kg wet	3.333		102	43-139	2.25	20	
Benzo(a)pyrene	3.25	0.100	mg/kg wet	3.333		97.5	40-147	1.90	20	
Benzo(b)fluoranthene	3.03	0.100	mg/kg wet	3.333		90.9	40-157	12.6	25	
Benzo(g,h,i)perylene	5.07	0.100	mg/kg wet	3.333		152	37-159	4.46	25	
Benzo(k)fluoranthene	2.28	0.100	mg/kg wet	3.333		68.4	32-123	23.4	40	
Chrysene	3.16	0.100	mg/kg wet	3.333		94.9	38-136	23.7	20	R
Dibenz(a,h)anthracene	4.09	0.100	mg/kg wet	3.333		123	20-181	3.82	20	
Fluoranthene	3.35	0.100	mg/kg wet	3.333		101	49-118	0.486	20	
Fluorene	2.94	0.100	mg/kg wet	3.333		88.3	52-129	0.694	20	
Indeno(1,2,3-cd)pyrene	4.22	0.100	mg/kg wet	3.333		127	40-160	4.45	20	
Naphthalene	3.01	0.100	mg/kg wet	3.333		90.2	39-118	1.22	20	
Phenanthrene	3.09	0.100	mg/kg wet	3.333		92.7	46-109	4.17	20	
Pyrene	2.50	0.100	mg/kg wet	3.333		75.0	47-123	6.44	20	
Surrogate: Nitrobenzene-d5	1.35		mg/kg wet	1.333		101	51-126			
Surrogate: 2-Fluorobiphenyl	1.32		mg/kg wet	1.333		98.9	56-121			
Surrogate: Terphenyl-d14	1.46		mg/kg wet	1.333		110	40-140			

Matrix Spike (1044161-MS1)		Source: 10J0915-04 Prepared: 10/27/10 Analyzed: 10/30/10								
2-Methylnaphthalene	6.42	0.128	mg/kg dry	8.452	ND	75.9	42-117			
Acenaphthene	7.78	0.128	mg/kg dry	8.452	ND	92.1	59-117			
Acenaphthylene	9.23	0.128	mg/kg dry	8.452	ND	109	41-130			
Anthracene	7.55	0.128	mg/kg dry	8.452	ND	89.3	40-121			
Benz(a)anthracene	9.22	0.128	mg/kg dry	8.452	0.130	108	30-137			
Benzo(a)pyrene	8.76	0.128	mg/kg dry	8.452	0.0341	103	20-152			
Benzo(b)fluoranthene	7.67	0.128	mg/kg dry	8.452	0.157	88.9	19-173			
Benzo(g,h,i)perylene	12.8	0.128	mg/kg dry	8.452	0.104	150	40-139			M
Benzo(k)fluoranthene	4.83	0.128	mg/kg dry	8.452	0.0383	56.7	10-154			
Chrysene	8.31	0.128	mg/kg dry	8.452	0.115	97.0	36-125			
Dibenz(a,h)anthracene	10.3	0.128	mg/kg dry	8.452	ND	122	48-139			
Fluoranthene	8.85	0.128	mg/kg dry	8.452	ND	105	15-146			
Fluorene	8.57	0.128	mg/kg dry	8.452	ND	101	46-134			
Indeno(1,2,3-cd)pyrene	10.6	0.128	mg/kg dry	8.452	ND	126	44-144			
Naphthalene	7.94	0.128	mg/kg dry	8.452	ND	94.0	33-121			
Phenanthrene	8.07	0.128	mg/kg dry	8.452	ND	95.5	37-112			
Pyrene	7.05	0.128	mg/kg dry	8.452	0.154	81.5	10-163			
Surrogate: Nitrobenzene-d5	3.52		mg/kg dry	3.381		104	51-126			
Surrogate: 2-Fluorobiphenyl	3.47		mg/kg dry	3.381		103	56-121			
Surrogate: Terphenyl-d14	3.67		mg/kg dry	3.381		109	40-140			



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

Lab Order: 10J0915

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 1044161 - PREP SVOC S

Matrix Spike Dup (1044161-MSD1)	Source: 10J0915-04			Prepared: 10/27/10		Analyzed: 10/30/10				
2-Methylnaphthalene	6.37	0.128	mg/kg dry	8.564	ND	74.4	42-117	0.658	36	
Acenaphthene	7.79	0.128	mg/kg dry	8.564	ND	90.9	59-117	0.00217	24	
Acenaphthylene	7.85	0.128	mg/kg dry	8.564	ND	91.6	41-130	16.2	32	
Anthracene	7.01	0.128	mg/kg dry	8.564	ND	81.9	40-121	7.38	21	
Benz(a)anthracene	9.19	0.128	mg/kg dry	8.564	0.130	106	30-137	0.339	14	
Benzo(a)pyrene	8.42	0.128	mg/kg dry	8.564	0.0341	97.9	20-152	3.99	25	
Benzo(b)fluoranthene	6.44	0.128	mg/kg dry	8.564	0.157	73.4	19-173	17.4	29	
Benzo(g,h,i)perylene	12.9	0.128	mg/kg dry	8.564	0.104	149	40-139	1.17	19	M
Benzo(k)fluoranthene	4.32	0.128	mg/kg dry	8.564	0.0383	50.0	10-154	11.2	58	
Chrysene	8.41	0.128	mg/kg dry	8.564	0.115	96.9	36-125	1.20	21	
Dibenz(a,h)anthracene	10.5	0.128	mg/kg dry	8.564	ND	122	48-139	1.31	24	
Fluoranthene	8.67	0.128	mg/kg dry	8.564	ND	101	15-146	2.06	40	
Fluorene	8.15	0.128	mg/kg dry	8.564	ND	95.2	46-134	4.94	29	
Indeno(1,2,3-cd)pyrene	10.7	0.128	mg/kg dry	8.564	ND	126	44-144	1.17	28	
Naphthalene	7.55	0.128	mg/kg dry	8.564	ND	88.2	33-121	5.07	15	
Phenanthrene	8.02	0.128	mg/kg dry	8.564	ND	93.7	37-112	0.599	13	
Pyrene	6.72	0.128	mg/kg dry	8.564	0.154	76.7	10-163	4.68	20	
Surrogate: Nitrobenzene-d5	3.59		mg/kg dry	3.426		105	51-126			
Surrogate: 2-Fluorobiphenyl	3.42		mg/kg dry	3.426		99.8	56-121			
Surrogate: Terphenyl-d14	3.70		mg/kg dry	3.426		108	40-140			

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**CLIENT:** LJB Engineers & Architects  
**Project:** 09020 Piqua Power Plant**Lab Order:** 10J0915

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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.
- S Surrogate recovery is outside of acceptance limits.
- R-01 The Reporting Limit for this analyte has been raised to account for matrix interference.
- R RPD outside of accepted recovery limits.
- QM-05 The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
- O-01 This compound is a common laboratory contaminant.
- M Matrix spike and/or matrix spike duplicate recovery outside of acceptance limits.
- L Laboratory control sample recovery outside of acceptance limits high, sample results are below detection limits. Sample data is still acceptable.
- D Data reported from a dilution
- B Analyte is found in the associated blank as well as in the sample.
- A-01b Surrogate recovery was slightly low, but the spike recoveries are acceptable.
- A-01a Spike recovery was slightly low, but within the ME.
- A-01 outside of established limits.

Sample preservation was met unless otherwise noted.