



Wednesday, December 8, 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: 10K1045

Belmont Labs received 3 sample(s) on 11/19/2010 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

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:** 10K1045

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Sampled Date	Received Date
10K1045-01A	1S	11/18/2010 4:30:00PM	11/19/2010
10K1045-01B	1S	11/18/2010 4:30:00PM	11/19/2010
10K1045-02A	3S	11/18/2010 4:35:00PM	11/19/2010
10K1045-02B	3S	11/18/2010 4:35:00PM	11/19/2010
10K1045-03A	Trip Blank	11/18/2010 4:30:00PM	11/19/2010
10K1045-03B	Trip Blank	11/18/2010 4:30:00PM	11/19/2010

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

Lab Order: 10K1045

Lab ID: 10K1045-01
Client Sample ID: 1S

Collection Date: 11/18/2010 4:30:00PM
Matrix: Soil

Analysis	Result	PQL	Qual	Units	Dilution	Batch	Date Analyzed
TPH C10-34		SW 8015		Analyst: MBG			
C10 to C20	173	11.9		mg/kg dry	1	1049165	12/2/2010 3:17:00PM
C20 to C34	BDL	596		mg/kg dry	1	1049165	12/2/2010 3:17:00PM
<i>Surrogate: o-Terphenyl</i>		54.4 %		48-115		1049165	12/2/2010 3:17:00PM
TPH GRO C6-C12		SW 8015		Analyst: EH			
Gasoline Range Organics, C6 - C12	BDL	5.84		mg/kg dry	0.98	1049231	12/2/2010 2:10:00PM
<i>Surrogate: a,a,a-Trifluorotoluene</i>		104 %		60-155		1049231	12/2/2010 2:10:00PM
VOC 8260		SW 8260A		Analyst: ksw			
1,1,1,2-Tetrachloroethane	BDL	0.00584		mg/kg dry	0.98	1050132	12/1/2010 3:47:00PM
1,1,1-Trichloroethane	BDL	0.00584		mg/kg dry	0.98	1050132	12/1/2010 3:47:00PM
1,1,2,2-Tetrachloroethane	BDL	0.00584		mg/kg dry	0.98	1050132	12/1/2010 3:47:00PM
1,1,2-Trichloroethane	BDL	0.00584		mg/kg dry	0.98	1050132	12/1/2010 3:47:00PM
1,1-Dichloroethane	BDL	0.00584		mg/kg dry	0.98	1050132	12/1/2010 3:47:00PM
1,1-Dichloroethene	BDL	0.00584		mg/kg dry	0.98	1050132	12/1/2010 3:47:00PM
1,1-Dichloropropene	BDL	0.00584		mg/kg dry	0.98	1050132	12/1/2010 3:47:00PM
1,2-Dibromoethane	BDL	0.00584		mg/kg dry	0.98	1050132	12/1/2010 3:47:00PM
1,2-Dichloroethane	BDL	0.00584		mg/kg dry	0.98	1050132	12/1/2010 3:47:00PM
1,2-Dichloropropane	BDL	0.00584		mg/kg dry	0.98	1050132	12/1/2010 3:47:00PM
1,3-Dichloropropane	BDL	0.00584		mg/kg dry	0.98	1050132	12/1/2010 3:47:00PM
2,2-Dichloropropane	BDL	0.00584		mg/kg dry	0.98	1050132	12/1/2010 3:47:00PM
2-Butanone	BDL	0.0234		mg/kg dry	0.98	1050132	12/1/2010 3:47:00PM
2-Chlorotoluene	BDL	0.00584		mg/kg dry	0.98	1050132	12/1/2010 3:47:00PM
2-Hexanone	BDL	0.0234		mg/kg dry	0.98	1050132	12/1/2010 3:47:00PM
4-Chlorotoluene	BDL	0.00584		mg/kg dry	0.98	1050132	12/1/2010 3:47:00PM
4-Methyl-2-pentanone	BDL	0.0234		mg/kg dry	0.98	1050132	12/1/2010 3:47:00PM
Acetone	BDL	0.0584		mg/kg dry	0.98	1050132	12/1/2010 3:47:00PM
Acetonitrile	BDL	0.0467		mg/kg dry	0.98	1050132	12/1/2010 3:47:00PM
Acrolein	BDL	0.0234		mg/kg dry	0.98	1050132	12/1/2010 3:47:00PM
Acrylonitrile	BDL	0.0234		mg/kg dry	0.98	1050132	12/1/2010 3:47:00PM
Allyl chloride	BDL	0.0117		mg/kg dry	0.98	1050132	12/1/2010 3:47:00PM
Benzene	BDL	0.00584		mg/kg dry	0.98	1050132	12/1/2010 3:47:00PM
Bromobenzene	BDL	0.00584		mg/kg dry	0.98	1050132	12/1/2010 3:47:00PM
Bromochloromethane	BDL	0.00584		mg/kg dry	0.98	1050132	12/1/2010 3:47:00PM
Bromodichloromethane	BDL	0.00584		mg/kg dry	0.98	1050132	12/1/2010 3:47:00PM
Bromoform	BDL	0.00584		mg/kg dry	0.98	1050132	12/1/2010 3:47:00PM
Bromomethane	BDL	0.00584		mg/kg dry	0.98	1050132	12/1/2010 3:47:00PM
Carbon Disulfide	BDL	0.0234		mg/kg dry	0.98	1050132	12/1/2010 3:47:00PM
Carbon Tetrachloride	BDL	0.00584		mg/kg dry	0.98	1050132	12/1/2010 3:47:00PM
Chlorobenzene	BDL	0.00584		mg/kg dry	0.98	1050132	12/1/2010 3:47:00PM
Chloroethane	BDL	0.00584		mg/kg dry	0.98	1050132	12/1/2010 3:47:00PM
Chloroform	BDL	0.00584		mg/kg dry	0.98	1050132	12/1/2010 3:47:00PM
Chloromethane	BDL	0.00584		mg/kg dry	0.98	1050132	12/1/2010 3:47:00PM
cis-1,2-Dichloroethene	BDL	0.00584		mg/kg dry	0.98	1050132	12/1/2010 3:47:00PM

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

Lab Order: 10K1045

Lab ID: 10K1045-01
Client Sample ID: 1S

Collection Date: 11/18/2010 4:30:00PM
Matrix: Soil

Analysis	Result	PQL	Qual	Units	Dilution	Batch	Date Analyzed
cis-1,3-Dichloropropene	BDL	0.00584		mg/kg dry	0.98	1050132	12/1/2010 3:47:00PM
Dibromochloromethane	BDL	0.00584		mg/kg dry	0.98	1050132	12/1/2010 3:47:00PM
Dibromomethane	BDL	0.00584		mg/kg dry	0.98	1050132	12/1/2010 3:47:00PM
Dichlorodifluoromethane	BDL	0.00584		mg/kg dry	0.98	1050132	12/1/2010 3:47:00PM
Ethylbenzene	BDL	0.00584		mg/kg dry	0.98	1050132	12/1/2010 3:47:00PM
Iodomethane	BDL	0.0117		mg/kg dry	0.98	1050132	12/1/2010 3:47:00PM
Methylene Chloride	BDL	0.00584		mg/kg dry	0.98	1050132	12/1/2010 3:47:00PM
Methyl tert-Butyl Ether	BDL	0.0117		mg/kg dry	0.98	1050132	12/1/2010 3:47:00PM
m,p-Xylene	BDL	0.0117		mg/kg dry	0.98	1050132	12/1/2010 3:47:00PM
n-Hexane	BDL	0.00584		mg/kg dry	0.98	1050132	12/1/2010 3:47:00PM
o-Xylene	BDL	0.00584		mg/kg dry	0.98	1050132	12/1/2010 3:47:00PM
Styrene	BDL	0.00584		mg/kg dry	0.98	1050132	12/1/2010 3:47:00PM
Tetrachloroethene	BDL	0.00584		mg/kg dry	0.98	1050132	12/1/2010 3:47:00PM
Toluene	BDL	0.00584		mg/kg dry	0.98	1050132	12/1/2010 3:47:00PM
trans-1,2-Dichloroethene	BDL	0.00584		mg/kg dry	0.98	1050132	12/1/2010 3:47:00PM
trans-1,3-Dichloropropene	BDL	0.00584		mg/kg dry	0.98	1050132	12/1/2010 3:47:00PM
Trichloroethene	BDL	0.00584		mg/kg dry	0.98	1050132	12/1/2010 3:47:00PM
Trichlorofluoromethane	BDL	0.00584		mg/kg dry	0.98	1050132	12/1/2010 3:47:00PM
Vinyl Chloride	BDL	0.00584		mg/kg dry	0.98	1050132	12/1/2010 3:47:00PM
Vinyl acetate	BDL	0.0117		mg/kg dry	0.98	1050132	12/1/2010 3:47:00PM

<i>Surrogate: 4-Bromofluorobenzene</i>	84.2 %	41-140	1050132	12/1/2010 3:47:00PM
<i>Surrogate: Dibromofluoromethane</i>	77.9 %	33-129	1050132	12/1/2010 3:47:00PM
<i>Surrogate: Toluene-d8</i>	87.6 %	44-130	1050132	12/1/2010 3:47:00PM
<i>Surrogate: 1,2-Dichloroethane-d4</i>	74.9 %	31-123	1050132	12/1/2010 3:47:00PM

PMOIST **D 2216** **Analyst: AD**
Percent Moisture **16.1** % by Weight 1 1049232 12/2/2010 2:00:00PM

PAH_FULL_8270 **SW 8270C** **Analyst: mbg**

2-Methylnaphthalene	BDL	0.119	mg/kg dry	1	1049135	12/3/2010 4:01:00AM
Acenaphthene	BDL	0.119	mg/kg dry	1	1049135	12/3/2010 4:01:00AM
Acenaphthylene	BDL	0.119	mg/kg dry	1	1049135	12/3/2010 4:01:00AM
Anthracene	BDL	0.119	mg/kg dry	1	1049135	12/3/2010 4:01:00AM
Benz(a)anthracene	BDL	0.119	mg/kg dry	1	1049135	12/3/2010 4:01:00AM
Benzo(a)pyrene	BDL	0.119	mg/kg dry	1	1049135	12/3/2010 4:01:00AM
Benzo(b)fluoranthene	BDL	0.119	mg/kg dry	1	1049135	12/3/2010 4:01:00AM
Benzo(g,h,i)perylene	BDL	0.119	mg/kg dry	1	1049135	12/3/2010 4:01:00AM
Benzo(k)fluoranthene	BDL	0.119	mg/kg dry	1	1049135	12/3/2010 4:01:00AM
Chrysene	BDL	0.119	mg/kg dry	1	1049135	12/3/2010 4:01:00AM
Dibenz(a,h)anthracene	BDL	0.119	mg/kg dry	1	1049135	12/3/2010 4:01:00AM
Fluoranthene	BDL	0.119	mg/kg dry	1	1049135	12/3/2010 4:01:00AM
Fluorene	BDL	0.119	mg/kg dry	1	1049135	12/3/2010 4:01:00AM
Indeno(1,2,3-cd)pyrene	BDL	0.119	mg/kg dry	1	1049135	12/3/2010 4:01:00AM
Naphthalene	BDL	0.119	mg/kg dry	1	1049135	12/3/2010 4:01:00AM

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

Lab Order: 10K1045

Lab ID: 10K1045-01
Client Sample ID: 1S

Collection Date: 11/18/2010 4:30:00PM
Matrix: Soil

Analysis	Result	PQL	Qual	Units	Dilution	Batch	Date Analyzed
Phenanthrene	BDL	0.119		mg/kg dry	1	1049135	12/3/2010 4:01:00AM
Pyrene	BDL	0.119		mg/kg dry	1	1049135	12/3/2010 4:01:00AM
<i>Surrogate: Nitrobenzene-d5</i>		<i>17.6 %</i>		<i>51-126</i>		<i>1049135</i>	<i>12/3/2010 4:01:00AM</i>
<i>Surrogate: 2-Fluorobiphenyl</i>		<i>21.9 %</i>		<i>56-121</i>		<i>1049135</i>	<i>12/3/2010 4:01:00AM</i>
<i>Surrogate: Terphenyl-d14</i>		<i>80.4 %</i>		<i>40-140</i>		<i>1049135</i>	<i>12/3/2010 4:01:00AM</i>

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

Lab Order: 10K1045

Lab ID: 10K1045-02
Client Sample ID: 3S

Collection Date: 11/18/2010 4:35:00PM
Matrix: Soil

Analysis	Result	PQL	Qual	Units	Dilution	Batch	Date Analyzed
TPH C10-34		SW 8015		Analyst: MBG			
C10 to C20	BDL	12.0		mg/kg dry	1	1049165	12/2/2010 4:11:00PM
C20 to C34	BDL	600		mg/kg dry	1	1049165	12/2/2010 4:11:00PM
<i>Surrogate: o-Terphenyl</i>		50.1 %		48-115		1049165	12/2/2010 4:11:00PM
TPH GRO C6-C12		SW 8015		Analyst: EH			
Gasoline Range Organics, C6 - C12	BDL	9.90		mg/kg dry	1.65	1049231	12/2/2010 6:13:00PM
<i>Surrogate: a,a,a-Trifluorotoluene</i>		107 %		60-155		1049231	12/2/2010 6:13:00PM
VOC 8260		SW 8260A		Analyst: ksw			
1,1,1,2-Tetrachloroethane	BDL	0.00600		mg/kg dry	1	1050132	12/1/2010 4:20:00PM
1,1,1-Trichloroethane	BDL	0.00600		mg/kg dry	1	1050132	12/1/2010 4:20:00PM
1,1,2,2-Tetrachloroethane	BDL	0.00600		mg/kg dry	1	1050132	12/1/2010 4:20:00PM
1,1,2-Trichloroethane	BDL	0.00600		mg/kg dry	1	1050132	12/1/2010 4:20:00PM
1,1-Dichloroethane	BDL	0.00600		mg/kg dry	1	1050132	12/1/2010 4:20:00PM
1,1-Dichloroethene	BDL	0.00600		mg/kg dry	1	1050132	12/1/2010 4:20:00PM
1,1-Dichloropropene	BDL	0.00600		mg/kg dry	1	1050132	12/1/2010 4:20:00PM
1,2-Dibromoethane	BDL	0.00600		mg/kg dry	1	1050132	12/1/2010 4:20:00PM
1,2-Dichloroethane	BDL	0.00600		mg/kg dry	1	1050132	12/1/2010 4:20:00PM
1,2-Dichloropropane	BDL	0.00600		mg/kg dry	1	1050132	12/1/2010 4:20:00PM
1,3-Dichloropropane	BDL	0.00600		mg/kg dry	1	1050132	12/1/2010 4:20:00PM
2,2-Dichloropropane	BDL	0.00600		mg/kg dry	1	1050132	12/1/2010 4:20:00PM
2-Butanone	BDL	0.0240		mg/kg dry	1	1050132	12/1/2010 4:20:00PM
2-Chlorotoluene	BDL	0.00600		mg/kg dry	1	1050132	12/1/2010 4:20:00PM
2-Hexanone	BDL	0.0240		mg/kg dry	1	1050132	12/1/2010 4:20:00PM
4-Chlorotoluene	BDL	0.00600		mg/kg dry	1	1050132	12/1/2010 4:20:00PM
4-Methyl-2-pentanone	BDL	0.0240		mg/kg dry	1	1050132	12/1/2010 4:20:00PM
Acetone	BDL	0.0600		mg/kg dry	1	1050132	12/1/2010 4:20:00PM
Acetonitrile	BDL	0.0480		mg/kg dry	1	1050132	12/1/2010 4:20:00PM
Acrolein	BDL	0.0240		mg/kg dry	1	1050132	12/1/2010 4:20:00PM
Acrylonitrile	BDL	0.0240		mg/kg dry	1	1050132	12/1/2010 4:20:00PM
Allyl chloride	BDL	0.0120		mg/kg dry	1	1050132	12/1/2010 4:20:00PM
Benzene	BDL	0.00600		mg/kg dry	1	1050132	12/1/2010 4:20:00PM
Bromobenzene	BDL	0.00600		mg/kg dry	1	1050132	12/1/2010 4:20:00PM
Bromochloromethane	BDL	0.00600		mg/kg dry	1	1050132	12/1/2010 4:20:00PM
Bromodichloromethane	BDL	0.00600		mg/kg dry	1	1050132	12/1/2010 4:20:00PM
Bromoform	BDL	0.00600		mg/kg dry	1	1050132	12/1/2010 4:20:00PM
Bromomethane	BDL	0.00600		mg/kg dry	1	1050132	12/1/2010 4:20:00PM
Carbon Disulfide	BDL	0.0240		mg/kg dry	1	1050132	12/1/2010 4:20:00PM
Carbon Tetrachloride	BDL	0.00600		mg/kg dry	1	1050132	12/1/2010 4:20:00PM
Chlorobenzene	BDL	0.00600		mg/kg dry	1	1050132	12/1/2010 4:20:00PM
Chloroethane	BDL	0.00600		mg/kg dry	1	1050132	12/1/2010 4:20:00PM
Chloroform	BDL	0.00600		mg/kg dry	1	1050132	12/1/2010 4:20:00PM
Chloromethane	BDL	0.00600		mg/kg dry	1	1050132	12/1/2010 4:20:00PM
cis-1,2-Dichloroethene	BDL	0.00600		mg/kg dry	1	1050132	12/1/2010 4:20:00PM

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

Lab Order: 10K1045

Lab ID: 10K1045-02
Client Sample ID: 3S

Collection Date: 11/18/2010 4:35:00PM
Matrix: Soil

Analysis	Result	PQL	Qual	Units	Dilution	Batch	Date Analyzed
cis-1,3-Dichloropropene	BDL	0.00600		mg/kg dry	1	1050132	12/1/2010 4:20:00PM
Dibromochloromethane	BDL	0.00600		mg/kg dry	1	1050132	12/1/2010 4:20:00PM
Dibromomethane	BDL	0.00600		mg/kg dry	1	1050132	12/1/2010 4:20:00PM
Dichlorodifluoromethane	BDL	0.00600		mg/kg dry	1	1050132	12/1/2010 4:20:00PM
Ethylbenzene	BDL	0.00600		mg/kg dry	1	1050132	12/1/2010 4:20:00PM
Iodomethane	BDL	0.0120		mg/kg dry	1	1050132	12/1/2010 4:20:00PM
Methylene Chloride	BDL	0.00600		mg/kg dry	1	1050132	12/1/2010 4:20:00PM
Methyl tert-Butyl Ether	BDL	0.0120		mg/kg dry	1	1050132	12/1/2010 4:20:00PM
m,p-Xylene	BDL	0.0120		mg/kg dry	1	1050132	12/1/2010 4:20:00PM
n-Hexane	BDL	0.00600		mg/kg dry	1	1050132	12/1/2010 4:20:00PM
o-Xylene	BDL	0.00600		mg/kg dry	1	1050132	12/1/2010 4:20:00PM
Styrene	BDL	0.00600		mg/kg dry	1	1050132	12/1/2010 4:20:00PM
Tetrachloroethene	BDL	0.00600		mg/kg dry	1	1050132	12/1/2010 4:20:00PM
Toluene	BDL	0.00600		mg/kg dry	1	1050132	12/1/2010 4:20:00PM
trans-1,2-Dichloroethene	BDL	0.00600		mg/kg dry	1	1050132	12/1/2010 4:20:00PM
trans-1,3-Dichloropropene	BDL	0.00600		mg/kg dry	1	1050132	12/1/2010 4:20:00PM
Trichloroethene	BDL	0.00600		mg/kg dry	1	1050132	12/1/2010 4:20:00PM
Trichlorofluoromethane	BDL	0.00600		mg/kg dry	1	1050132	12/1/2010 4:20:00PM
Vinyl Chloride	BDL	0.00600		mg/kg dry	1	1050132	12/1/2010 4:20:00PM
Vinyl acetate	BDL	0.0120		mg/kg dry	1	1050132	12/1/2010 4:20:00PM

<i>Surrogate: 4-Bromofluorobenzene</i>	84.5 %	41-140	1050132	12/1/2010 4:20:00PM
<i>Surrogate: Dibromofluoromethane</i>	68.6 %	33-129	1050132	12/1/2010 4:20:00PM
<i>Surrogate: Toluene-d8</i>	86.4 %	44-130	1050132	12/1/2010 4:20:00PM
<i>Surrogate: 1,2-Dichloroethane-d4</i>	73.4 %	31-123	1050132	12/1/2010 4:20:00PM

PMOIST **D 2216** **Analyst: AD**
Percent Moisture **16.7** % by Weight 1 1049232 12/2/2010 2:00:00PM

PAH_FULL_8270 **SW 8270C** **Analyst: mbg**

2-Methylnaphthalene	BDL	0.120		mg/kg dry	1	1049135	12/3/2010 4:25:00AM
Acenaphthene	BDL	0.120		mg/kg dry	1	1049135	12/3/2010 4:25:00AM
Acenaphthylene	BDL	0.120		mg/kg dry	1	1049135	12/3/2010 4:25:00AM
Anthracene	BDL	0.120		mg/kg dry	1	1049135	12/3/2010 4:25:00AM
Benz(a)anthracene	BDL	0.120		mg/kg dry	1	1049135	12/3/2010 4:25:00AM
Benzo(a)pyrene	BDL	0.120		mg/kg dry	1	1049135	12/3/2010 4:25:00AM
Benzo(b)fluoranthene	BDL	0.120		mg/kg dry	1	1049135	12/3/2010 4:25:00AM
Benzo(g,h,i)perylene	BDL	0.120		mg/kg dry	1	1049135	12/3/2010 4:25:00AM
Benzo(k)fluoranthene	BDL	0.120		mg/kg dry	1	1049135	12/3/2010 4:25:00AM
Chrysene	BDL	0.120		mg/kg dry	1	1049135	12/3/2010 4:25:00AM
Dibenz(a,h)anthracene	BDL	0.120		mg/kg dry	1	1049135	12/3/2010 4:25:00AM
Fluoranthene	BDL	0.120		mg/kg dry	1	1049135	12/3/2010 4:25:00AM
Fluorene	BDL	0.120		mg/kg dry	1	1049135	12/3/2010 4:25:00AM
Indeno(1,2,3-cd)pyrene	BDL	0.120		mg/kg dry	1	1049135	12/3/2010 4:25:00AM
Naphthalene	BDL	0.120		mg/kg dry	1	1049135	12/3/2010 4:25:00AM

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

Lab Order: 10K1045

Lab ID: 10K1045-02
Client Sample ID: 3S

Collection Date: 11/18/2010 4:35:00PM
Matrix: Soil

Analysis	Result	PQL	Qual	Units	Dilution	Batch	Date Analyzed
Phenanthrene	BDL	0.120		mg/kg dry	1	1049135	12/3/2010 4:25:00AM
Pyrene	BDL	0.120		mg/kg dry	1	1049135	12/3/2010 4:25:00AM
<i>Surrogate: Nitrobenzene-d5</i>		32.0 %			51-126	1049135	12/3/2010 4:25:00AM
<i>Surrogate: 2-Fluorobiphenyl</i>		43.1 %			56-121	1049135	12/3/2010 4:25:00AM
<i>Surrogate: Terphenyl-d14</i>		76.3 %			40-140	1049135	12/3/2010 4:25:00AM

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

Lab Order: 10K1045

Lab ID: 10K1045-03
 Client Sample ID: Trip Blank

Collection Date: 11/18/2010 4:30:00PM
 Matrix: Water

Analysis	Result	PQL	Qual	Units	Dilution	Batch	Date Analyzed
VOC 8260_TB	SW 8260B						
						Analyst: ksw	
1,1,1,2-Tetrachloroethane	BDL	5.00		ug/L	1	1050067	12/1/2010 1:16:00AM
1,1,1-Trichloroethane	BDL	5.00		ug/L	1	1050067	12/1/2010 1:16:00AM
1,1,2,2-Tetrachloroethane	BDL	5.00		ug/L	1	1050067	12/1/2010 1:16:00AM
1,1,2-Trichloroethane	BDL	5.00		ug/L	1	1050067	12/1/2010 1:16:00AM
1,1-Dichloroethane	BDL	5.00		ug/L	1	1050067	12/1/2010 1:16:00AM
1,1-Dichloroethene	BDL	5.00		ug/L	1	1050067	12/1/2010 1:16:00AM
1,1-Dichloropropene	BDL	5.00		ug/L	1	1050067	12/1/2010 1:16:00AM
1,2-Dibromoethane	BDL	5.00		ug/L	1	1050067	12/1/2010 1:16:00AM
1,2-Dichloroethane	BDL	5.00		ug/L	1	1050067	12/1/2010 1:16:00AM
1,2-Dichloropropane	BDL	5.00		ug/L	1	1050067	12/1/2010 1:16:00AM
1,3-Dichloropropane	BDL	5.00		ug/L	1	1050067	12/1/2010 1:16:00AM
2,2-Dichloropropane	BDL	5.00		ug/L	1	1050067	12/1/2010 1:16:00AM
2-Butanone	BDL	20.0		ug/L	1	1050067	12/1/2010 1:16:00AM
2-Chlorotoluene	BDL	5.00		ug/L	1	1050067	12/1/2010 1:16:00AM
2-Hexanone	BDL	20.0		ug/L	1	1050067	12/1/2010 1:16:00AM
4-Chlorotoluene	BDL	5.00		ug/L	1	1050067	12/1/2010 1:16:00AM
4-Methyl-2-pentanone	BDL	20.0		ug/L	1	1050067	12/1/2010 1:16:00AM
Acetone	BDL	20.0		ug/L	1	1050067	12/1/2010 1:16:00AM
Acetonitrile	BDL	40.0		ug/L	1	1050067	12/1/2010 1:16:00AM
Acrolein	BDL	20.0		ug/L	1	1050067	12/1/2010 1:16:00AM
Acrylonitrile	BDL	20.0		ug/L	1	1050067	12/1/2010 1:16:00AM
Allyl chloride	BDL	5.00		ug/L	1	1050067	12/1/2010 1:16:00AM
Benzene	BDL	5.00		ug/L	1	1050067	12/1/2010 1:16:00AM
Bromobenzene	BDL	5.00		ug/L	1	1050067	12/1/2010 1:16:00AM
Bromochloromethane	BDL	5.00		ug/L	1	1050067	12/1/2010 1:16:00AM
Bromodichloromethane	BDL	5.00		ug/L	1	1050067	12/1/2010 1:16:00AM
Bromoform	BDL	5.00		ug/L	1	1050067	12/1/2010 1:16:00AM
Bromomethane	BDL	5.00		ug/L	1	1050067	12/1/2010 1:16:00AM
Carbon Disulfide	BDL	20.0		ug/L	1	1050067	12/1/2010 1:16:00AM
Carbon Tetrachloride	BDL	5.00		ug/L	1	1050067	12/1/2010 1:16:00AM
Chlorobenzene	BDL	5.00		ug/L	1	1050067	12/1/2010 1:16:00AM
Chloroethane	BDL	5.00		ug/L	1	1050067	12/1/2010 1:16:00AM
Chloroform	BDL	5.00		ug/L	1	1050067	12/1/2010 1:16:00AM
Chloromethane	BDL	5.00		ug/L	1	1050067	12/1/2010 1:16:00AM
cis-1,2-Dichloroethene	BDL	5.00		ug/L	1	1050067	12/1/2010 1:16:00AM
cis-1,3-Dichloropropene	BDL	5.00		ug/L	1	1050067	12/1/2010 1:16:00AM
Dibromochloromethane	BDL	5.00		ug/L	1	1050067	12/1/2010 1:16:00AM
Dibromomethane	BDL	5.00		ug/L	1	1050067	12/1/2010 1:16:00AM
Dichlorodifluoromethane	BDL	5.00		ug/L	1	1050067	12/1/2010 1:16:00AM
Ethylbenzene	BDL	5.00		ug/L	1	1050067	12/1/2010 1:16:00AM
Iodomethane	BDL	10.0		ug/L	1	1050067	12/1/2010 1:16:00AM
Methylene Chloride	BDL	5.00		ug/L	1	1050067	12/1/2010 1:16:00AM
Methyl tert-Butyl Ether	BDL	10.0		ug/L	1	1050067	12/1/2010 1:16:00AM
m,p-Xylene	BDL	10.0		ug/L	1	1050067	12/1/2010 1:16:00AM
n-Butylbenzene	BDL	5.00		ug/L	1	1050067	12/1/2010 1:16:00AM

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

Lab Order: 10K1045

Lab ID: 10K1045-03
Client Sample ID: Trip Blank

Collection Date: 11/18/2010 4:30:00PM
Matrix: Water

Analysis	Result	PQL	Qual	Units	Dilution	Batch	Date Analyzed
n-Hexane	BDL	5.00		ug/L	1	1050067	12/1/2010 1:16:00AM
o-Xylene	BDL	5.00		ug/L	1	1050067	12/1/2010 1:16:00AM
Styrene	BDL	5.00		ug/L	1	1050067	12/1/2010 1:16:00AM
Tetrachloroethene	BDL	5.00		ug/L	1	1050067	12/1/2010 1:16:00AM
Toluene	BDL	5.00		ug/L	1	1050067	12/1/2010 1:16:00AM
trans-1,2-Dichloroethene	BDL	5.00		ug/L	1	1050067	12/1/2010 1:16:00AM
trans-1,3-Dichloropropene	BDL	5.00		ug/L	1	1050067	12/1/2010 1:16:00AM
Trichloroethene	BDL	5.00		ug/L	1	1050067	12/1/2010 1:16:00AM
Trichlorofluoromethane	BDL	5.00		ug/L	1	1050067	12/1/2010 1:16:00AM
Vinyl Chloride	BDL	1.00		ug/L	1	1050067	12/1/2010 1:16:00AM
Vinyl acetate	BDL	10.0		ug/L	1	1050067	12/1/2010 1:16:00AM
<i>Surrogate: 4-Bromofluorobenzene</i>		73.4 %		41-140		1050067	12/1/2010 1:16:00AM
<i>Surrogate: Dibromofluoromethane</i>		81.2 %		34-158		1050067	12/1/2010 1:16:00AM
<i>Surrogate: Toluene-d8</i>		83.9 %		47-147		1050067	12/1/2010 1:16:00AM
<i>Surrogate: 1,2-Dichloroethane-d4</i>		76.8 %		29-163		1050067	12/1/2010 1:16:00AM

(Enter an "X" in the box below to indicate request and circle preservative)

INVOICE TO

Name: **Company**
Brown Field Nest Group

Address: **Brown Field Nest Group**

City, State, Zip: _____

Purchase Order No. _____ Quote No. _____ Client Project _____

REPORT TO

Name: **ED Council**

Company: **ED Council**

Mailing Address: **3100 Research Blvd**

City/State/Zip: **Durham, NC**

Phone No: **919-259-5167** Fax No: **919-259-5167**

Date Results Req: Yes No No

Special Instructions: _____

Regulatory Type: NPDES RCRA SDWA VAP Other

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

Matrix Key: DW - Drinking Water GW - Ground Water S - Soil/Solid SL - Sludge WW - Waste Water Other

Number of Containers: **2**

CLIENT SAMPLE IDENTIFICATION

CLIENT SAMPLE IDENTIFICATION	Date Sampled	Time	Comp	Grab	Matrix	Number of Containers	ANALYSIS REQUESTED
15	11-18-10	4:30	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Soil	2	VOCs 8260 PAHs 8270 TPH GRO, DRO,ORO 8015 Metals CAC
35	11-18-10	4:35	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Soil	2	TRIP BLANKS

CHAIN OF CUSTODY (if required)

Relinquished by: **EC Council** Date/Time: **11-18-10 8:00** Received by: **[Signature]**

Relinquished by: _____ Date/Time: _____ Received at lab by: **[Signature]**

Method of Shipment: **Spec** Cooler Temp: **SI**

Date/Time: **11-18-10**

Client Comments: _____

Date/Time: **11/19/10 09:35**

Date/Time: **11/19/10 14:50**

Sampled by: **ED Council**

DISTRIBUTION: White - Laboratory Yellow - Accounting

Please return completed form and samples to Belmont Labs • 25 Holiday Drive • Englewood, OH 45322 • 937.832.8242 • Fax 937.832.2668

A & B Urho-Form #9786-5/02

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

Lab Order: 10K1045

Extractable Hydrocarbons by 8015 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1049165 - PREP DRO S

Blank (1049165-BLK1)

Prepared: 12/01/10 Analyzed: 12/02/10

C10 to C20	BDL	10.0	mg/kg wet							
C20 to C34	BDL	500	mg/kg wet							
Surrogate: <i>o</i> -Terphenyl	2.58		mg/kg wet	5.000		51.6	48-115			

LCS (1049165-BS1)

Prepared: 12/01/10 Analyzed: 12/02/10

C10 to C20	85.7	10.0	mg/kg wet	128.9		66.5	52-119			
Surrogate: <i>o</i> -Terphenyl	2.69		mg/kg wet	5.000		53.8	48-115			

LCS Dup (1049165-BS1)

Prepared: 12/01/10 Analyzed: 12/02/10

C10 to C20	80.9	10.0	mg/kg wet	128.9		62.8	52-119	5.78	11	
Surrogate: <i>o</i> -Terphenyl	2.66		mg/kg wet	5.000		53.1	48-115			

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

Lab Order: 10K1045

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 1049231 - GC Prep

Blank (1049231-BLK1)										
Prepared & Analyzed: 12/02/10										
Gasoline Range Organics, C6 - C12	BDL	5.00	mg/kg wet							
Surrogate: a,a,a-Trifluorotoluene	0.105		mg/L	0.1000		105	60-155			

LCS (1049231-BS1)										
Prepared & Analyzed: 12/02/10										
Gasoline Range Organics, C6 - C12	9.66	5.00	mg/kg wet	10.00		96.6	80-118			
Surrogate: a,a,a-Trifluorotoluene	0.108		mg/L	0.1000		108	60-155			

LCS Dup (1049231-BSD1)										
Prepared & Analyzed: 12/02/10										
Gasoline Range Organics, C6 - C12	9.79	5.00	mg/kg wet	10.00		97.9	80-118	1.35	10	
Surrogate: a,a,a-Trifluorotoluene	0.109		mg/L	0.1000		109	60-155			

Matrix Spike (1049231-MS1)										
Source: 10K1035-14 Prepared & Analyzed: 12/02/10										
Gasoline Range Organics, C6 - C12	19.3	7.17	mg/kg dry	28.96	ND	66.7	56-84			
Surrogate: a,a,a-Trifluorotoluene	0.111		mg/L	0.1000		111	60-155			

Matrix Spike Dup (1049231-MSD1)										
Source: 10K1035-14 Prepared & Analyzed: 12/02/10										
Gasoline Range Organics, C6 - C12	20.4	7.10	mg/kg dry	28.96	ND	70.4	56-84	5.38	20	
Surrogate: a,a,a-Trifluorotoluene	0.113		mg/L	0.1000		113	60-155			

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

Lab Order: 10K1045

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 1050067 - VOC PREP

Blank (1050067-BLK1)

Prepared: 11/30/10 Analyzed: 12/01/10

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: 10K1045

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 1050067 - VOC PREP

Blank (1050067-BLK1)

Prepared: 11/30/10 Analyzed: 12/01/10

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>	35.9		ug/L	50.00		71.7	41-140			
<i>Surrogate: Dibromofluoromethane</i>	38.7		ug/L	50.00		77.4	34-158			
<i>Surrogate: Toluene-d8</i>	40.9		ug/L	50.00		81.8	47-147			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	35.9		ug/L	50.00		71.7	29-163			

LCS (1050067-BS1)

Prepared & Analyzed: 11/30/10

1,1,1,2-Tetrachloroethane	19.2	5.00	ug/L	20.00		95.8	78-128			
1,1,1-Trichloroethane	19.1	5.00	ug/L	20.00		95.3	70-135			
1,1,2,2-Tetrachloroethane	19.8	5.00	ug/L	20.00		98.8	68-135			
1,1,2-Trichloroethane	19.6	5.00	ug/L	20.00		97.9	74-131			
1,1-Dichloroethane	19.4	5.00	ug/L	20.00		96.8	72-134			
1,1-Dichloroethene	18.0	5.00	ug/L	20.00		90.1	62-143			
1,1-Dichloropropene	18.9	5.00	ug/L	20.00		94.6	82-128			
1,2-Dibromoethane	19.3	5.00	ug/L	20.00		96.6	67-132			
1,2-Dichloroethane	19.0	5.00	ug/L	20.00		94.9	72-131			
1,2-Dichloropropane	19.5	5.00	ug/L	20.00		97.4	75-128			
1,3-Dichloropropane	19.2	5.00	ug/L	20.00		96.0	73-130			
2,2-Dichloropropane	20.7	5.00	ug/L	20.00		104	45-173			
2-Butanone	65.3	20.0	ug/L	80.00		81.6	42-140			
2-Chlorotoluene	20.0	5.00	ug/L	20.00		99.9	76-126			
2-Hexanone	72.5	20.0	ug/L	80.00		90.6	18-178			
4-Chlorotoluene	20.1	5.00	ug/L	20.00		100	77-132			
4-Methyl-2-pentanone	69.9	20.0	ug/L	80.00		87.3	42-160			
Acetone	64.8	20.0	ug/L	80.00		81.0	30-173			
Acetonitrile	21.0	40.0	ug/L	20.00		105	58-150			
Acrylonitrile	18.0	20.0	ug/L	20.00		90.2	64-153			
Allyl chloride	20.2	5.00	ug/L	20.00		101	67-149			
Benzene	19.2	5.00	ug/L	20.00		96.0	77-126			
Bromobenzene	19.6	5.00	ug/L	20.00		98.1	72-131			
Bromochloromethane	19.6	5.00	ug/L	20.00		98.0	71-135			
Bromodichloromethane	19.8	5.00	ug/L	20.00		98.8	78-129			
Bromoform	19.2	5.00	ug/L	20.00		95.9	69-135			
Bromomethane	19.7	5.00	ug/L	20.00		98.4	14-193			
Carbon Disulfide	16.5	20.0	ug/L	20.00		82.4	54-150			

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

Lab Order: 10K1045

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 1050067 - VOC PREP

LCS (1050067-BS1)

Prepared & Analyzed: 11/30/10

Carbon Tetrachloride	19.5	5.00	ug/L	20.00		97.7	67-138			
Chlorobenzene	20.2	5.00	ug/L	20.00		101	77-125			
Chloroethane	15.7	5.00	ug/L	20.00		78.6	27-170			
Chloroform	20.2	5.00	ug/L	20.00		101	73-136			
Chloromethane	19.3	5.00	ug/L	20.00		96.6	44-145			
cis-1,2-Dichloroethene	19.4	5.00	ug/L	20.00		97.0	77-137			
cis-1,3-Dichloropropene	19.9	5.00	ug/L	20.00		99.6	70-133			
Dibromochloromethane	19.5	5.00	ug/L	20.00		97.3	68-131			
Dibromomethane	18.9	5.00	ug/L	20.00		94.5	74-129			
Dichlorodifluoromethane	20.2	5.00	ug/L	20.00		101	41-145			
Ethylbenzene	20.3	5.00	ug/L	20.00		102	79-126			
Iodomethane	19.9	10.0	ug/L	20.00		99.6	52-150			
Methylene Chloride	20.2	5.00	ug/L	20.00		101	43-162			
Methyl tert-Butyl Ether	17.4	10.0	ug/L	20.00		86.8	63-134			
m,p-Xylene	40.9	10.0	ug/L	40.00		102	82-132			
n-Butylbenzene	19.6	5.00	ug/L	20.00		98.0	80-135			
n-Hexane	25.7	5.00	ug/L	21.20		121	10-216			
o-Xylene	20.2	5.00	ug/L	20.00		101	81-128			
Styrene	20.5	5.00	ug/L	20.00		103	81-129			
Tetrachloroethene	13.7	5.00	ug/L	20.00		68.6	43-152			
Toluene	19.9	5.00	ug/L	20.00		99.4	79-128			
trans-1,2-Dichloroethene	19.0	5.00	ug/L	20.00		94.8	60-144			
trans-1,3-Dichloropropene	20.3	5.00	ug/L	20.00		102	67-138			
Trichloroethene	19.6	5.00	ug/L	20.00		98.0	74-132			
Trichlorofluoromethane	18.8	5.00	ug/L	20.00		93.8	48-170			
Vinyl Chloride	19.7	1.00	ug/L	20.00		98.6	60-143			
Vinyl acetate	16.0	10.0	ug/L	20.00		80.1	16-196			
Surrogate: 4-Bromofluorobenzene	41.4		ug/L	50.00		82.8	41-140			
Surrogate: Dibromofluoromethane	41.2		ug/L	50.00		82.5	34-158			
Surrogate: Toluene-d8	43.1		ug/L	50.00		86.3	47-147			
Surrogate: 1,2-Dichloroethane-d4	38.8		ug/L	50.00		77.5	29-163			

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

Lab Order: 10K1045

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 1050067 - VOC PREP

LCS Dup (1050067-BSD1)

Prepared & Analyzed: 11/30/10

1,1,1,2-Tetrachloroethane	19.8	5.00	ug/L	20.00		98.9	78-128	3.18	16	
1,1,1-Trichloroethane	19.9	5.00	ug/L	20.00		99.3	70-135	4.11	20	
1,1,2,2-Tetrachloroethane	20.1	5.00	ug/L	20.00		101	68-135	1.90	19	
1,1,2-Trichloroethane	19.9	5.00	ug/L	20.00		99.5	74-131	1.62	16	
1,1-Dichloroethane	19.8	5.00	ug/L	20.00		99.1	72-134	2.40	19	
1,1-Dichloroethene	18.6	5.00	ug/L	20.00		92.8	62-143	2.90	20	
1,1-Dichloropropene	19.5	5.00	ug/L	20.00		97.4	82-128	2.81	18	
1,2-Dibromoethane	19.2	5.00	ug/L	20.00		96.1	67-132	0.467	13	
1,2-Dichloroethane	19.1	5.00	ug/L	20.00		95.7	72-131	0.839	16	
1,2-Dichloropropane	19.9	5.00	ug/L	20.00		99.5	75-128	2.08	19	
1,3-Dichloropropane	19.4	5.00	ug/L	20.00		97.2	73-130	1.29	13	
2,2-Dichloropropane	21.0	5.00	ug/L	20.00		105	45-173	1.10	25	
2-Butanone	63.3	20.0	ug/L	80.00		79.1	42-140	3.19	18	
2-Chlorotoluene	20.9	5.00	ug/L	20.00		105	76-126	4.64	20	
2-Hexanone	71.4	20.0	ug/L	80.00		89.2	18-178	1.57	17	
4-Chlorotoluene	21.2	5.00	ug/L	20.00		106	77-132	5.56	22	
4-Methyl-2-pentanone	70.1	20.0	ug/L	80.00		87.6	42-160	0.329	67	
Acetone	62.0	20.0	ug/L	80.00		77.5	30-173	4.49	24	
Acetonitrile	16.8	40.0	ug/L	20.00		84.2	58-150	21.9	25	
Acrylonitrile	18.7	20.0	ug/L	20.00		93.3	64-153	3.43	20	
Allyl chloride	20.9	5.00	ug/L	20.00		104	67-149	3.21	16	
Benzene	19.5	5.00	ug/L	20.00		97.4	77-126	1.50	19	
Bromobenzene	20.4	5.00	ug/L	20.00		102	72-131	3.75	20	
Bromochloromethane	19.8	5.00	ug/L	20.00		99.0	71-135	1.02	16	
Bromodichloromethane	20.0	5.00	ug/L	20.00		100	78-129	1.16	17	
Bromoform	19.6	5.00	ug/L	20.00		98.0	69-135	2.12	18	
Bromomethane	19.8	5.00	ug/L	20.00		98.9	14-193	0.456	28	
Carbon Disulfide	16.9	20.0	ug/L	20.00		84.7	54-150	2.69	19	
Carbon Tetrachloride	19.5	5.00	ug/L	20.00		97.6	67-138	0.154	21	
Chlorobenzene	20.9	5.00	ug/L	20.00		104	77-125	3.46	19	
Chloroethane	17.3	5.00	ug/L	20.00		86.7	27-170	9.86	64	
Chloroform	20.4	5.00	ug/L	20.00		102	73-136	1.18	19	
Chloromethane	19.4	5.00	ug/L	20.00		96.8	44-145	0.259	26	
cis-1,2-Dichloroethene	19.8	5.00	ug/L	20.00		99.2	77-137	2.29	17	
cis-1,3-Dichloropropene	20.1	5.00	ug/L	20.00		101	70-133	0.899	19	
Dibromochloromethane	19.8	5.00	ug/L	20.00		99.1	68-131	1.83	18	
Dibromomethane	19.1	5.00	ug/L	20.00		95.4	74-129	0.895	16	
Dichlorodifluoromethane	20.5	5.00	ug/L	20.00		102	41-145	1.33	15	
Ethylbenzene	21.0	5.00	ug/L	20.00		105	79-126	3.39	20	
Iodomethane	20.1	10.0	ug/L	20.00		100	52-150	0.849	25	
Methylene Chloride	20.0	5.00	ug/L	20.00		99.9	43-162	1.10	28	
Methyl tert-Butyl Ether	17.5	10.0	ug/L	20.00		87.4	63-134	0.632	20	
m,p-Xylene	42.8	10.0	ug/L	40.00		107	82-132	4.45	18	
n-Butylbenzene	20.5	5.00	ug/L	20.00		102	80-135	4.44	18	
n-Hexane	25.8	5.00	ug/L	21.20		122	10-216	0.272	64	

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

Lab Order: 10K1045

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 1050067 - VOC PREP

LCS Dup (1050067-BSD1)

Prepared & Analyzed: 11/30/10

o-Xylene	21.3	5.00	ug/L	20.00		107	81-128	5.40	19	
Styrene	20.8	5.00	ug/L	20.00		104	81-129	1.36	17	
Tetrachloroethene	13.9	5.00	ug/L	20.00		69.7	43-152	1.59	29	
Toluene	20.5	5.00	ug/L	20.00		102	79-128	3.02	19	
trans-1,2-Dichloroethene	19.2	5.00	ug/L	20.00		96.0	60-144	1.26	20	
trans-1,3-Dichloropropene	20.5	5.00	ug/L	20.00		103	67-138	0.978	17	
Trichloroethene	19.9	5.00	ug/L	20.00		99.6	74-132	1.52	20	
Trichlorofluoromethane	19.8	5.00	ug/L	20.00		98.8	48-170	5.19	50	
Vinyl Chloride	20.8	1.00	ug/L	20.00		104	60-143	5.24	19	
Vinyl acetate	16.0	10.0	ug/L	20.00		79.8	16-196	0.313	45	
Surrogate: 4-Bromofluorobenzene	41.5		ug/L	50.00		83.1	41-140			
Surrogate: Dibromofluoromethane	40.8		ug/L	50.00		81.6	34-158			
Surrogate: Toluene-d8	42.6		ug/L	50.00		85.3	47-147			
Surrogate: 1,2-Dichloroethane-d4	36.0		ug/L	50.00		72.1	29-163			

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

Lab Order: 10K1045

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 1050132 - VOC PREP

Blank (1050132-BLK1)

Prepared & Analyzed: 12/01/10

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	0.00654	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: 10K1045

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 1050132 - VOC PREP

Blank (1050132-BLK1)

Prepared & Analyzed: 12/01/10

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>	41.0		ug/L	50.00		82.0	41-140			
<i>Surrogate: Dibromofluoromethane</i>	39.5		ug/L	50.00		79.0	33-129			
<i>Surrogate: Toluene-d8</i>	45.7		ug/L	50.00		91.4	44-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	37.9		ug/L	50.00		75.7	31-123			

LCS (1050132-BS1)

Prepared & Analyzed: 12/01/10

1,1,1,2-Tetrachloroethane	0.0185	0.00500	mg/kg wet	0.02000		92.6	69-142			
1,1,1-Trichloroethane	0.0154	0.00500	mg/kg wet	0.02000		77.1	58-127			
1,1,2,2-Tetrachloroethane	0.0208	0.00500	mg/kg wet	0.02000		104	74-141			
1,1,2-Trichloroethane	0.0200	0.00500	mg/kg wet	0.02000		100	73-140			
1,1-Dichloroethane	0.0159	0.00500	mg/kg wet	0.02000		79.6	60-130			
1,1-Dichloroethene	0.0168	0.00500	mg/kg wet	0.02000		84.0	62-142			
1,1-Dichloropropene	0.0159	0.00500	mg/kg wet	0.02000		79.4	63-142			
1,2-Dibromoethane	0.0195	0.00500	mg/kg wet	0.02000		97.6	72-140			
1,2-Dichloroethane	0.0175	0.00500	mg/kg wet	0.02000		87.5	70-142			
1,2-Dichloropropane	0.0172	0.00500	mg/kg wet	0.02000		85.8	66-139			
1,3-Dichloropropane	0.0192	0.00500	mg/kg wet	0.02000		96.0	75-139			
2,2-Dichloropropane	0.0154	0.00500	mg/kg wet	0.02000		77.2	10-180			
2-Butanone	0.0528	0.0200	mg/kg wet	0.08000		66.1	44-120			
2-Chlorotoluene	0.0182	0.00500	mg/kg wet	0.02000		91.2	69-137			
2-Hexanone	0.0709	0.0200	mg/kg wet	0.08000		88.6	10-172			
4-Chlorotoluene	0.0187	0.00500	mg/kg wet	0.02000		93.5	71-140			
4-Methyl-2-pentanone	0.0694	0.0200	mg/kg wet	0.08000		86.7	10-185			
Acetone	0.0530	0.0500	mg/kg wet	0.08000		66.3	10-229			
Acetonitrile	0.0167	0.0400	mg/kg wet	0.02000		83.7	35-169			
Acrylonitrile	0.0166	0.0200	mg/kg wet	0.02000		82.8	64-150			
Allyl chloride	0.0159	0.0100	mg/kg wet	0.02000		79.6	50-149			
Benzene	0.0165	0.00500	mg/kg wet	0.02000		82.6	64-138			
Bromobenzene	0.0197	0.00500	mg/kg wet	0.02000		98.4	73-140			
Bromochloromethane	0.0169	0.00500	mg/kg wet	0.02000		84.5	72-132			
Bromodichloromethane	0.0180	0.00500	mg/kg wet	0.02000		90.0	72-138			
Bromoform	0.0198	0.00500	mg/kg wet	0.02000		99.0	70-144			
Bromomethane	0.112	0.00500	mg/kg wet	0.02000		562	10-199			L
Carbon Disulfide	0.0172	0.0200	mg/kg wet	0.02000		85.8	38-148			
Carbon Tetrachloride	0.0151	0.00500	mg/kg wet	0.02000		75.4	49-148			

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

Lab Order: 10K1045

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 1050132 - VOC PREP

LCS (1050132-BS1)

Prepared & Analyzed: 12/01/10

Chlorobenzene	0.0183	0.00500	mg/kg wet	0.02000		91.7	70-135			
Chloroethane	0.0148	0.00500	mg/kg wet	0.02000		73.8	17-186			
Chloroform	0.0174	0.00500	mg/kg wet	0.02000		87.0	64-134			
Chloromethane	0.0406	0.00500	mg/kg wet	0.02000		203	47-143			L
cis-1,2-Dichloroethene	0.0158	0.00500	mg/kg wet	0.02000		79.2	66-138			
cis-1,3-Dichloropropene	0.0185	0.00500	mg/kg wet	0.02000		92.7	66-141			
Dibromochloromethane	0.0197	0.00500	mg/kg wet	0.02000		98.4	70-139			
Dibromomethane	0.0183	0.00500	mg/kg wet	0.02000		91.5	76-135			
Dichlorodifluoromethane	0.0512	0.00500	mg/kg wet	0.02000		256	20-181			L
Ethylbenzene	0.0171	0.00500	mg/kg wet	0.02000		85.3	71-134			
Iodomethane	0.0232	0.0100	mg/kg wet	0.02000		116	13-162			
Methylene Chloride	0.0237	0.00500	mg/kg wet	0.02000		119	10-195			B
Methyl tert-Butyl Ether	0.0164	0.0100	mg/kg wet	0.02000		82.0	54-153			
m,p-Xylene	0.0350	0.0100	mg/kg wet	0.04000		87.4	70-138			
n-Hexane	0.0230	0.00500	mg/kg wet	0.02120		108	10-185			
o-Xylene	0.0180	0.00500	mg/kg wet	0.02000		90.2	72-139			
Styrene	0.0190	0.00500	mg/kg wet	0.02000		94.8	71-142			
Tetrachloroethene	0.0174	0.00500	mg/kg wet	0.02000		87.1	41-161			
Toluene	0.0161	0.00500	mg/kg wet	0.02000		80.7	70-136			
trans-1,2-Dichloroethene	0.0160	0.00500	mg/kg wet	0.02000		79.8	36-159			
trans-1,3-Dichloropropene	0.0198	0.00500	mg/kg wet	0.02000		98.8	64-142			
Trichloroethene	0.0164	0.00500	mg/kg wet	0.02000		82.3	65-136			
Trichlorofluoromethane	0.0272	0.00500	mg/kg wet	0.02000		136	41-163			
Vinyl Chloride	0.0346	0.00500	mg/kg wet	0.02000		173	45-149			L
Vinyl acetate	0.0113	0.0100	mg/kg wet	0.02000		56.4	10-208			
Surrogate: 4-Bromofluorobenzene	42.0		ug/L	50.00		84.0	41-140			
Surrogate: Dibromofluoromethane	40.2		ug/L	50.00		80.4	33-129			
Surrogate: Toluene-d8	45.3		ug/L	50.00		90.6	44-130			
Surrogate: 1,2-Dichloroethane-d4	41.0		ug/L	50.00		82.0	31-123			

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

Lab Order: 10K1045

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 1050132 - VOC PREP

LCS Dup (1050132-BSD1)

Prepared & Analyzed: 12/01/10

1,1,1,2-Tetrachloroethane	0.0175	0.00500	mg/kg wet	0.02000		87.4	69-142	5.77	23	
1,1,1-Trichloroethane	0.0160	0.00500	mg/kg wet	0.02000		80.0	58-127	3.75	20	
1,1,2,2-Tetrachloroethane	0.0199	0.00500	mg/kg wet	0.02000		99.4	74-141	4.38	20	
1,1,2-Trichloroethane	0.0186	0.00500	mg/kg wet	0.02000		92.8	73-140	7.56	15	
1,1-Dichloroethane	0.0160	0.00500	mg/kg wet	0.02000		80.0	60-130	0.501	20	
1,1-Dichloroethene	0.0172	0.00500	mg/kg wet	0.02000		85.8	62-142	2.12	20	
1,1-Dichloropropene	0.0160	0.00500	mg/kg wet	0.02000		80.0	63-142	0.816	24	
1,2-Dibromoethane	0.0186	0.00500	mg/kg wet	0.02000		93.1	72-140	4.67	20	
1,2-Dichloroethane	0.0172	0.00500	mg/kg wet	0.02000		85.9	70-142	1.85	18	
1,2-Dichloropropane	0.0171	0.00500	mg/kg wet	0.02000		85.6	66-139	0.234	22	
1,3-Dichloropropane	0.0175	0.00500	mg/kg wet	0.02000		87.4	75-139	9.37	17	
2,2-Dichloropropane	0.0158	0.00500	mg/kg wet	0.02000		79.0	10-180	2.24	40	
2-Butanone	0.0509	0.0200	mg/kg wet	0.08000		63.6	44-120	3.76	29	
2-Chlorotoluene	0.0169	0.00500	mg/kg wet	0.02000		84.3	69-137	7.92	30	
2-Hexanone	0.0639	0.0200	mg/kg wet	0.08000		79.9	10-172	10.3	40	
4-Chlorotoluene	0.0172	0.00500	mg/kg wet	0.02000		86.0	71-140	8.41	30	
4-Methyl-2-pentanone	0.0655	0.0200	mg/kg wet	0.08000		81.9	10-185	5.72	100	
Acetone	0.0510	0.0500	mg/kg wet	0.08000		63.7	10-229	3.94	40	
Acetonitrile	0.0167	0.0400	mg/kg wet	0.02000		83.4	35-169	0.359	69	
Acrylonitrile	0.0167	0.0200	mg/kg wet	0.02000		83.6	64-150	0.901	34	
Allyl chloride	0.0167	0.0100	mg/kg wet	0.02000		83.4	50-149	4.66	35	
Benzene	0.0166	0.00500	mg/kg wet	0.02000		83.1	64-138	0.604	25	
Bromobenzene	0.0181	0.00500	mg/kg wet	0.02000		90.3	73-140	8.53	30	
Bromochloromethane	0.0170	0.00500	mg/kg wet	0.02000		85.2	72-132	0.884	25	
Bromodichloromethane	0.0172	0.00500	mg/kg wet	0.02000		86.1	72-138	4.43	25	
Bromoform	0.0189	0.00500	mg/kg wet	0.02000		94.5	70-144	4.75	30	
Bromomethane	0.109	0.00500	mg/kg wet	0.02000		543	10-199	3.53	40	L
Carbon Disulfide	0.0185	0.0200	mg/kg wet	0.02000		92.6	38-148	7.57	36	
Carbon Tetrachloride	0.0158	0.00500	mg/kg wet	0.02000		79.0	49-148	4.67	34	
Chlorobenzene	0.0175	0.00500	mg/kg wet	0.02000		87.4	70-135	4.80	21	
Chloroethane	0.0135	0.00500	mg/kg wet	0.02000		67.4	17-186	8.92	99	
Chloroform	0.0172	0.00500	mg/kg wet	0.02000		86.0	64-134	1.21	28	
Chloromethane	0.0382	0.00500	mg/kg wet	0.02000		191	47-143	6.27	25	L
cis-1,2-Dichloroethene	0.0159	0.00500	mg/kg wet	0.02000		79.6	66-138	0.567	25	
cis-1,3-Dichloropropene	0.0174	0.00500	mg/kg wet	0.02000		86.9	66-141	6.46	25	
Dibromochloromethane	0.0187	0.00500	mg/kg wet	0.02000		93.4	70-139	5.21	25	
Dibromomethane	0.0171	0.00500	mg/kg wet	0.02000		85.6	76-135	6.72	23	
Dichlorodifluoromethane	0.0507	0.00500	mg/kg wet	0.02000		254	20-181	0.902	34	L
Ethylbenzene	0.0162	0.00500	mg/kg wet	0.02000		80.8	71-134	5.42	31	
Iodomethane	0.0238	0.0100	mg/kg wet	0.02000		119	13-162	2.64	31	
Methylene Chloride	0.0246	0.00500	mg/kg wet	0.02000		123	10-195	3.89	51	B
Methyl tert-Butyl Ether	0.0172	0.0100	mg/kg wet	0.02000		85.8	54-153	4.47	35	
m,p-Xylene	0.0326	0.0100	mg/kg wet	0.04000		81.5	70-138	7.05	31	
n-Hexane	0.0249	0.00500	mg/kg wet	0.02120		118	10-185	8.06	60	
o-Xylene	0.0171	0.00500	mg/kg wet	0.02000		85.4	72-139	5.53	23	

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

Lab Order: 10K1045

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 1050132 - VOC PREP

LCS Dup (1050132-BSD1)

Prepared & Analyzed: 12/01/10

Styrene	0.0182	0.00500	mg/kg wet	0.02000		91.1	71-142	4.03	22	
Tetrachloroethene	0.0177	0.00500	mg/kg wet	0.02000		88.4	41-161	1.54	40	
Toluene	0.0153	0.00500	mg/kg wet	0.02000		76.6	70-136	5.15	22	
trans-1,2-Dichloroethene	0.0168	0.00500	mg/kg wet	0.02000		83.8	36-159	4.89	24	
trans-1,3-Dichloropropene	0.0177	0.00500	mg/kg wet	0.02000		88.4	64-142	11.0	20	
Trichloroethene	0.0163	0.00500	mg/kg wet	0.02000		81.7	65-136	0.671	23	
Trichlorofluoromethane	0.0256	0.00500	mg/kg wet	0.02000		128	41-163	5.91	26	
Vinyl Chloride	0.0325	0.00500	mg/kg wet	0.02000		163	45-149	6.17	27	L
Vinyl acetate	0.0108	0.0100	mg/kg wet	0.02000		53.8	10-208	4.81	77	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>41.5</i>		<i>ug/L</i>	<i>50.00</i>		<i>83.0</i>	<i>41-140</i>			
<i>Surrogate: Dibromofluoromethane</i>	<i>40.8</i>		<i>ug/L</i>	<i>50.00</i>		<i>81.5</i>	<i>33-129</i>			
<i>Surrogate: Toluene-d8</i>	<i>43.7</i>		<i>ug/L</i>	<i>50.00</i>		<i>87.4</i>	<i>44-130</i>			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>38.8</i>		<i>ug/L</i>	<i>50.00</i>		<i>77.7</i>	<i>31-123</i>			

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

Lab Order: 10K1045

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 1049232 - Wet Chem Prep

Duplicate (1049232-DUP1)		Source: 10K1012-12		Prepared & Analyzed: 12/02/10						
% Solids	94.1		% by Weight		93.9			0.138	5	
Percent Moisture	5.94		% by Weight		6.07			2.15	200	
Duplicate (1049232-DUP2)		Source: 10K1025-12		Prepared & Analyzed: 12/02/10						
% Solids	87.7		% by Weight		87.8			0.0721	5	
Percent Moisture	12.3		% by Weight		12.2			0.517	200	

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

Lab Order: 10K1045

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 1049135 - PREP SVOC S

Blank (1049135-BLK1)

Prepared: 12/01/10 Analyzed: 12/02/10

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	0.0507		mg/kg wet	1.333		3.80	51-126			
Surrogate: 2-Fluorobiphenyl	0.227		mg/kg wet	1.333		17.0	56-121			
Surrogate: Terphenyl-d14	0.935		mg/kg wet	1.333		70.2	40-140			

LCS (1049135-BS1)

Prepared: 12/01/10 Analyzed: 12/02/10

2-Methylnaphthalene	2.42	0.100	mg/kg wet	3.333		72.6	24-125			
Acenaphthene	2.79	0.100	mg/kg wet	3.333		83.6	60-110			
Acenaphthylene	2.69	0.100	mg/kg wet	3.333		80.8	45-124			
Anthracene	2.97	0.100	mg/kg wet	3.333		89.0	46-117			
Benz(a)anthracene	2.82	0.100	mg/kg wet	3.333		84.5	43-139			
Benzo(a)pyrene	3.38	0.100	mg/kg wet	3.333		101	40-147			
Benzo(b)fluoranthene	3.25	0.100	mg/kg wet	3.333		97.6	40-157			
Benzo(g,h,i)perylene	3.95	0.100	mg/kg wet	3.333		119	37-159			
Benzo(k)fluoranthene	3.66	0.100	mg/kg wet	3.333		110	32-123			
Chrysene	3.13	0.100	mg/kg wet	3.333		93.8	38-136			
Dibenz(a,h)anthracene	3.85	0.100	mg/kg wet	3.333		116	20-181			
Fluoranthene	2.91	0.100	mg/kg wet	3.333		87.2	49-118			
Fluorene	2.76	0.100	mg/kg wet	3.333		82.9	52-129			
Indeno(1,2,3-cd)pyrene	3.78	0.100	mg/kg wet	3.333		113	40-160			
Naphthalene	2.13	0.100	mg/kg wet	3.333		64.0	39-118			
Phenanthrene	2.90	0.100	mg/kg wet	3.333		86.9	46-109			
Pyrene	3.16	0.100	mg/kg wet	3.333		94.8	47-123			
Surrogate: Nitrobenzene-d5	0.257		mg/kg wet	1.333		19.3	51-126			
Surrogate: 2-Fluorobiphenyl	0.449		mg/kg wet	1.333		33.7	56-121			
Surrogate: Terphenyl-d14	1.01		mg/kg wet	1.333		75.6	40-140			

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

Lab Order: 10K1045

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 1049135 - PREP SVOC S

LCS Dup (1049135-BSD1)

Prepared: 12/01/10 Analyzed: 12/02/10

2-Methylnaphthalene	2.56	0.100	mg/kg wet	3.333		76.7	24-125	5.49	20	
Acenaphthene	2.91	0.100	mg/kg wet	3.333		87.2	60-110	4.16	13	
Acenaphthylene	2.80	0.100	mg/kg wet	3.333		83.9	45-124	3.73	20	
Anthracene	3.14	0.100	mg/kg wet	3.333		94.2	46-117	5.69	20	
Benz(a)anthracene	2.95	0.100	mg/kg wet	3.333		88.4	43-139	4.52	20	
Benzo(a)pyrene	3.13	0.100	mg/kg wet	3.333		94.0	40-147	7.52	20	
Benzo(b)fluoranthene	3.08	0.100	mg/kg wet	3.333		92.3	40-157	5.58	25	
Benzo(g,h,i)perylene	3.62	0.100	mg/kg wet	3.333		109	37-159	8.70	25	
Benzo(k)fluoranthene	3.34	0.100	mg/kg wet	3.333		100	32-123	9.22	40	
Chrysene	3.22	0.100	mg/kg wet	3.333		96.7	38-136	3.00	20	
Dibenz(a,h)anthracene	3.52	0.100	mg/kg wet	3.333		105	20-181	9.13	20	
Fluoranthene	3.09	0.100	mg/kg wet	3.333		92.8	49-118	6.17	20	
Fluorene	2.84	0.100	mg/kg wet	3.333		85.1	52-129	2.66	20	
Indeno(1,2,3-cd)pyrene	3.50	0.100	mg/kg wet	3.333		105	40-160	7.52	20	
Naphthalene	2.18	0.100	mg/kg wet	3.333		65.4	39-118	2.23	20	
Phenanthrene	3.12	0.100	mg/kg wet	3.333		93.7	46-109	7.59	20	
Pyrene	3.34	0.100	mg/kg wet	3.333		100	47-123	5.58	20	
Surrogate: Nitrobenzene-d5	0.557		mg/kg wet	1.333		41.8	51-126			
Surrogate: 2-Fluorobiphenyl	0.855		mg/kg wet	1.333		64.1	56-121			
Surrogate: Terphenyl-d14	1.09		mg/kg wet	1.333		81.7	40-140			

Batch 1049252 - PREP SVOC S

Blank (1049252-BLK1)

Prepared: 12/03/10 Analyzed: 12/04/10

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	1.09		mg/kg wet	1.333		81.7	51-126			
Surrogate: 2-Fluorobiphenyl	1.07		mg/kg wet	1.333		80.1	56-121			
Surrogate: Terphenyl-d14	0.970		mg/kg wet	1.333		72.8	40-140			

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

Lab Order: 10K1045

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 1049252 - PREP SVOC S

LCS (1049252-BS1)		Prepared: 12/03/10 Analyzed: 12/04/10								
2-Methylnaphthalene	2.84	0.100	mg/kg wet	3.333		85.2	24-125			
Acenaphthene	2.89	0.100	mg/kg wet	3.333		86.7	60-110			
Acenaphthylene	2.77	0.100	mg/kg wet	3.333		83.2	45-124			
Anthracene	3.03	0.100	mg/kg wet	3.333		90.9	46-117			
Benz(a)anthracene	2.87	0.100	mg/kg wet	3.333		86.2	43-139			
Benzo(a)pyrene	2.96	0.100	mg/kg wet	3.333		88.9	40-147			
Benzo(b)fluoranthene	2.88	0.100	mg/kg wet	3.333		86.3	40-157			
Benzo(g,h,i)perylene	3.35	0.100	mg/kg wet	3.333		101	37-159			
Benzo(k)fluoranthene	3.08	0.100	mg/kg wet	3.333		92.5	32-123			
Chrysene	3.18	0.100	mg/kg wet	3.333		95.4	38-136			
Dibenz(a,h)anthracene	3.18	0.100	mg/kg wet	3.333		95.4	20-181			
Fluoranthene	3.12	0.100	mg/kg wet	3.333		93.7	49-118			
Fluorene	2.81	0.100	mg/kg wet	3.333		84.3	52-129			
Indeno(1,2,3-cd)pyrene	3.20	0.100	mg/kg wet	3.333		96.0	40-160			
Naphthalene	2.91	0.100	mg/kg wet	3.333		87.4	39-118			
Phenanthrene	3.03	0.100	mg/kg wet	3.333		91.0	46-109			
Pyrene	3.06	0.100	mg/kg wet	3.333		91.7	47-123			
Surrogate: Nitrobenzene-d5	1.22		mg/kg wet	1.333		91.2	51-126			
Surrogate: 2-Fluorobiphenyl	1.09		mg/kg wet	1.333		82.1	56-121			
Surrogate: Terphenyl-d14	0.971		mg/kg wet	1.333		72.8	40-140			

LCS Dup (1049252-BSD1)		Prepared: 12/03/10 Analyzed: 12/04/10								
2-Methylnaphthalene	2.62	0.100	mg/kg wet	3.333		78.5	24-125	8.28	20	
Acenaphthene	2.70	0.100	mg/kg wet	3.333		81.1	60-110	6.64	13	
Acenaphthylene	2.41	0.100	mg/kg wet	3.333		72.3	45-124	14.0	20	
Anthracene	2.72	0.100	mg/kg wet	3.333		81.7	46-117	10.7	20	
Benz(a)anthracene	2.77	0.100	mg/kg wet	3.333		83.2	43-139	3.56	20	
Benzo(a)pyrene	2.62	0.100	mg/kg wet	3.333		78.5	40-147	12.4	20	
Benzo(b)fluoranthene	2.72	0.100	mg/kg wet	3.333		81.7	40-157	5.55	25	
Benzo(g,h,i)perylene	3.15	0.100	mg/kg wet	3.333		94.6	37-159	6.05	25	
Benzo(k)fluoranthene	2.34	0.100	mg/kg wet	3.333		70.2	32-123	27.4	40	
Chrysene	2.66	0.100	mg/kg wet	3.333		79.8	38-136	17.8	20	
Dibenz(a,h)anthracene	2.96	0.100	mg/kg wet	3.333		88.8	20-181	7.22	20	
Fluoranthene	2.78	0.100	mg/kg wet	3.333		83.3	49-118	11.8	20	
Fluorene	2.52	0.100	mg/kg wet	3.333		75.7	52-129	10.9	20	
Indeno(1,2,3-cd)pyrene	3.05	0.100	mg/kg wet	3.333		91.6	40-160	4.66	20	
Naphthalene	2.61	0.100	mg/kg wet	3.333		78.4	39-118	10.9	20	
Phenanthrene	2.75	0.100	mg/kg wet	3.333		82.5	46-109	9.76	20	
Pyrene	2.51	0.100	mg/kg wet	3.333		75.3	47-123	19.6	20	
Surrogate: Nitrobenzene-d5	0.895		mg/kg wet	1.333		67.1	51-126			
Surrogate: 2-Fluorobiphenyl	1.10		mg/kg wet	1.333		82.1	56-121			
Surrogate: Terphenyl-d14	0.926		mg/kg wet	1.333		69.5	40-140			

CLIENT: LJB Engineers & Architects
Project: 09020 Piqua Power Plant**Lab Order:** 10K1045

Notes and Definitions

- O-08 The original extraction of this sample yielded QC recoveries outside acceptance criteria. It was re-extracted after the recommended maximum hold time.
- O-01 This compound is a common laboratory contaminant.
- L Laboratory control sample recovery outside of acceptance limits high, sample results are below detection limits. Sample data is still acceptable.
- B Analyte is found in the associated blank as well as in the sample.

Sample preservation was met unless otherwise noted.