



12065 Lebanon Rd.
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Tax I.D. 62-0814289

Est. 1970

Ms. Kristen Braziel
Brownfield Restoration Group
1000 S.Cleveland-Massillon Rd.#106
Akron, OH 44333

Report Summary

Wednesday April 27, 2011

Report Number: L511906

Samples Received: 04/19/11

Client Project: PIQUA 4-14-11

Description: Piqua Power Plant

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By:


Jimmy Hunt, ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - I-2327, CT - PH-0197, FL - E87487
GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375/DW21704, ND - R-140
NJ - TN002, NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032008A,
TX - T104704245, OK-9915

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Note: The use of the preparatory EPA Method 3511 is not approved or endorsed by the CA ELAP.

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REPORT OF ANALYSIS

Ms. Kristen Braziel
Brownfield Restoration Group
1000 S.Cleveland-Massillon Rd.#106
Akron, OH 44333

April 27,2011

Date Received : April 19, 2011
Description : Piqua Power Plant
Sample ID : 1
Collected By : Ed Council
Collection Date : 04/14/11 15:10

ESC Sample # : L511906-01
Site ID :
Project # : PIQUA 4-14-11

Table with 7 columns: Parameter, Dry Result, Det. Limit, Units, Method, Date, Dil. Rows include Total Solids, TPH C6 - C12, Surrogate Recovery-% a,a,a-Trifluorotoluene(FID), and a list of Volatile Organics.

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:

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April 27, 2011

Date Received : April 19, 2011
Description : Piqua Power Plant
Sample ID : 1
Collected By : Ed Council
Collection Date : 04/14/11 15:10

ESC Sample # : L511906-01
Site ID :
Project # : PIQUA 4-14-11

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Di-isopropyl ether	BDL	0.0052	mg/kg	8260B	04/20/11	5
Ethylbenzene	BDL	0.0052	mg/kg	8260B	04/20/11	5
Hexachloro-1,3-butadiene	BDL	0.0052	mg/kg	8260B	04/20/11	5
n-Hexane	BDL	0.052	mg/kg	8260B	04/20/11	5
Isopropylbenzene	BDL	0.0052	mg/kg	8260B	04/20/11	5
p-Isopropyltoluene	BDL	0.0052	mg/kg	8260B	04/20/11	5
2-Butanone (MEK)	BDL	0.052	mg/kg	8260B	04/20/11	5
Methylene Chloride	BDL	0.026	mg/kg	8260B	04/20/11	5
4-Methyl-2-pentanone (MIBK)	BDL	0.052	mg/kg	8260B	04/20/11	5
Methyl tert-butyl ether	BDL	0.0052	mg/kg	8260B	04/20/11	5
Naphthalene	BDL	0.026	mg/kg	8260B	04/20/11	5
n-Propylbenzene	BDL	0.0052	mg/kg	8260B	04/20/11	5
Styrene	BDL	0.0052	mg/kg	8260B	04/20/11	5
1,1,1,2-Tetrachloroethane	BDL	0.0052	mg/kg	8260B	04/20/11	5
1,1,2,2-Tetrachloroethane	BDL	0.0052	mg/kg	8260B	04/20/11	5
Tetrachloroethene	BDL	0.0052	mg/kg	8260B	04/20/11	5
Toluene	BDL	0.026	mg/kg	8260B	04/20/11	5
1,2,3-Trichlorobenzene	BDL	0.0052	mg/kg	8260B	04/20/11	5
1,2,4-Trichlorobenzene	BDL	0.0052	mg/kg	8260B	04/20/11	5
1,1,1-Trichloroethane	BDL	0.0052	mg/kg	8260B	04/20/11	5
1,1,2-Trichloroethane	BDL	0.0052	mg/kg	8260B	04/20/11	5
Trichloroethene	BDL	0.0052	mg/kg	8260B	04/20/11	5
Trichlorofluoromethane	BDL	0.026	mg/kg	8260B	04/20/11	5
1,2,3-Trichloropropane	BDL	0.013	mg/kg	8260B	04/20/11	5
1,2,4-Trimethylbenzene	BDL	0.0052	mg/kg	8260B	04/20/11	5
1,3,5-Trimethylbenzene	BDL	0.0052	mg/kg	8260B	04/20/11	5
Vinyl chloride	BDL	0.0052	mg/kg	8260B	04/20/11	5
Xylenes, Total	BDL	0.016	mg/kg	8260B	04/20/11	5
Surrogate Recovery						
Toluene-d8	103.		% Rec.	8260B	04/20/11	5
Dibromofluoromethane	97.9		% Rec.	8260B	04/20/11	5
a,a,a-Trifluorotoluene	107.		% Rec.	8260B	04/20/11	5
4-Bromofluorobenzene	102.		% Rec.	8260B	04/20/11	5
Ohio DRO						
C10-C20 Hydrocarbons	BDL	4.2	mg/kg	8015M	04/21/11	1
C20-C34 Hydrocarbons	BDL	4.2	mg/kg	8015M	04/21/11	1
Surrogate Recovery						
o-Terphenyl	67.6		% Rec.	8015M	04/21/11	1
Polynuclear Aromatic Hydrocarbons						
Extraction Date		04/25/11		8270C	04/27/11	1
Anthracene	BDL	0.034	mg/kg	8270C	04/27/11	1
Acenaphthene	BDL	0.034	mg/kg	8270C	04/27/11	1

Results listed are dry weight basis.

BDL - Below Detection Limit

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REPORT OF ANALYSIS

Ms. Kristen Braziel
Brownfield Restoration Group
1000 S.Cleveland-Massillon Rd.#106
Akron, OH 44333

April 27, 2011

Date Received : April 19, 2011
Description : Piqua Power Plant
Sample ID : 1
Collected By : Ed Council
Collection Date : 04/14/11 15:10

ESC Sample # : L511906-01

Site ID :

Project # : PIQUA 4-14-11

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Acenaphthylene	BDL	0.034	mg/kg	8270C	04/27/11	1
Benzo(a)anthracene	BDL	0.034	mg/kg	8270C	04/27/11	1
Benzo(a)pyrene	BDL	0.034	mg/kg	8270C	04/27/11	1
Benzo(b)fluoranthene	BDL	0.034	mg/kg	8270C	04/27/11	1
Benzo(g,h,i)perylene	BDL	0.034	mg/kg	8270C	04/27/11	1
Benzo(k)fluoranthene	BDL	0.034	mg/kg	8270C	04/27/11	1
Chrysene	BDL	0.034	mg/kg	8270C	04/27/11	1
Dibenz(a,h)anthracene	BDL	0.034	mg/kg	8270C	04/27/11	1
Fluoranthene	BDL	0.034	mg/kg	8270C	04/27/11	1
Fluorene	BDL	0.034	mg/kg	8270C	04/27/11	1
Indeno(1,2,3-cd)pyrene	BDL	0.034	mg/kg	8270C	04/27/11	1
Naphthalene	BDL	0.034	mg/kg	8270C	04/27/11	1
Phenanthrene	BDL	0.034	mg/kg	8270C	04/27/11	1
Pyrene	BDL	0.034	mg/kg	8270C	04/27/11	1
1-Methylnaphthalene	BDL	0.034	mg/kg	8270C	04/27/11	1
2-Methylnaphthalene	BDL	0.034	mg/kg	8270C	04/27/11	1
Surrogate Recovery						
Nitrobenzene-d5	70.1		% Rec.	8270C	04/27/11	1
2-Fluorobiphenyl	65.9		% Rec.	8270C	04/27/11	1
p-Terphenyl-d14	82.2		% Rec.	8270C	04/27/11	1

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 Akron, OH 44333

April 27, 2011

Date Received : April 19, 2011
 Description : Piqua Power Plant
 Sample ID : 2
 Collected By : Ed Council
 Collection Date : 04/14/11 15:30

ESC Sample # : L511906-02

Site ID :

Project # : PIQUA 4-14-11

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	84.		%	2540G	04/25/11	1
TPH C6 - C12	BDL	0.59	mg/kg	8015	04/20/11	5
Surrogate Recovery-% a,a,a-Trifluorotoluene(FID)	93.2		% Rec.	8015	04/20/11	5
Volatile Organics						
Acetone	BDL	0.30	mg/kg	8260B	04/20/11	5
Acrylonitrile	BDL	0.059	mg/kg	8260B	04/20/11	5
Benzene	BDL	0.0059	mg/kg	8260B	04/20/11	5
Bromobenzene	BDL	0.0059	mg/kg	8260B	04/20/11	5
Bromodichloromethane	BDL	0.0059	mg/kg	8260B	04/20/11	5
Bromoform	BDL	0.0059	mg/kg	8260B	04/20/11	5
Bromomethane	BDL	0.030	mg/kg	8260B	04/20/11	5
n-Butylbenzene	BDL	0.0059	mg/kg	8260B	04/20/11	5
sec-Butylbenzene	BDL	0.0059	mg/kg	8260B	04/20/11	5
tert-Butylbenzene	BDL	0.0059	mg/kg	8260B	04/20/11	5
Carbon tetrachloride	BDL	0.0059	mg/kg	8260B	04/20/11	5
Chlorobenzene	BDL	0.0059	mg/kg	8260B	04/20/11	5
Chlorodibromomethane	BDL	0.0059	mg/kg	8260B	04/20/11	5
Chloroethane	BDL	0.030	mg/kg	8260B	04/20/11	5
2-Chloroethyl vinyl ether	BDL	0.30	mg/kg	8260B	04/20/11	5
Chloroform	BDL	0.030	mg/kg	8260B	04/20/11	5
Chloromethane	BDL	0.015	mg/kg	8260B	04/20/11	5
2-Chlorotoluene	BDL	0.0059	mg/kg	8260B	04/20/11	5
4-Chlorotoluene	BDL	0.0059	mg/kg	8260B	04/20/11	5
1,2-Dibromo-3-Chloropropane	BDL	0.030	mg/kg	8260B	04/20/11	5
1,2-Dibromoethane	BDL	0.0059	mg/kg	8260B	04/20/11	5
Dibromomethane	BDL	0.0059	mg/kg	8260B	04/20/11	5
1,2-Dichlorobenzene	BDL	0.0059	mg/kg	8260B	04/20/11	5
1,3-Dichlorobenzene	BDL	0.0059	mg/kg	8260B	04/20/11	5
1,4-Dichlorobenzene	BDL	0.0059	mg/kg	8260B	04/20/11	5
Dichlorodifluoromethane	BDL	0.030	mg/kg	8260B	04/20/11	5
1,1-Dichloroethane	BDL	0.0059	mg/kg	8260B	04/20/11	5
1,2-Dichloroethane	BDL	0.0059	mg/kg	8260B	04/20/11	5
1,1-Dichloroethene	BDL	0.0059	mg/kg	8260B	04/20/11	5
cis-1,2-Dichloroethene	BDL	0.0059	mg/kg	8260B	04/20/11	5
trans-1,2-Dichloroethene	BDL	0.0059	mg/kg	8260B	04/20/11	5
1,2-Dichloropropane	BDL	0.0059	mg/kg	8260B	04/20/11	5
1,1-Dichloropropene	BDL	0.0059	mg/kg	8260B	04/20/11	5
1,3-Dichloropropene	BDL	0.0059	mg/kg	8260B	04/20/11	5
cis-1,3-Dichloropropene	BDL	0.0059	mg/kg	8260B	04/20/11	5
trans-1,3-Dichloropropene	BDL	0.0059	mg/kg	8260B	04/20/11	5
2,2-Dichloropropane	BDL	0.0059	mg/kg	8260B	04/20/11	5

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REPORT OF ANALYSIS

Ms. Kristen Braziel
Brownfield Restoration Group
1000 S.Cleveland-Massillon Rd.#106
Akron, OH 44333

April 27, 2011

Date Received : April 19, 2011
Description : Piqua Power Plant
Sample ID : 2
Collected By : Ed Council
Collection Date : 04/14/11 15:30

ESC Sample # : L511906-02

Site ID :

Project # : PIQUA 4-14-11

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Di-isopropyl ether	BDL	0.0059	mg/kg	8260B	04/20/11	5
Ethylbenzene	BDL	0.0059	mg/kg	8260B	04/20/11	5
Hexachloro-1,3-butadiene	BDL	0.0059	mg/kg	8260B	04/20/11	5
n-Hexane	BDL	0.059	mg/kg	8260B	04/20/11	5
Isopropylbenzene	BDL	0.0059	mg/kg	8260B	04/20/11	5
p-Isopropyltoluene	BDL	0.0059	mg/kg	8260B	04/20/11	5
2-Butanone (MEK)	BDL	0.059	mg/kg	8260B	04/20/11	5
Methylene Chloride	BDL	0.030	mg/kg	8260B	04/20/11	5
4-Methyl-2-pentanone (MIBK)	BDL	0.059	mg/kg	8260B	04/20/11	5
Methyl tert-butyl ether	BDL	0.0059	mg/kg	8260B	04/20/11	5
Naphthalene	BDL	0.030	mg/kg	8260B	04/20/11	5
n-Propylbenzene	BDL	0.0059	mg/kg	8260B	04/20/11	5
Styrene	BDL	0.0059	mg/kg	8260B	04/20/11	5
1,1,1,2-Tetrachloroethane	BDL	0.0059	mg/kg	8260B	04/20/11	5
1,1,2,2-Tetrachloroethane	BDL	0.0059	mg/kg	8260B	04/20/11	5
Tetrachloroethene	BDL	0.0059	mg/kg	8260B	04/20/11	5
Toluene	BDL	0.030	mg/kg	8260B	04/20/11	5
1,2,3-Trichlorobenzene	BDL	0.0059	mg/kg	8260B	04/20/11	5
1,2,4-Trichlorobenzene	BDL	0.0059	mg/kg	8260B	04/20/11	5
1,1,1-Trichloroethane	BDL	0.0059	mg/kg	8260B	04/20/11	5
1,1,2-Trichloroethane	BDL	0.0059	mg/kg	8260B	04/20/11	5
Trichloroethene	BDL	0.0059	mg/kg	8260B	04/20/11	5
Trichlorofluoromethane	BDL	0.030	mg/kg	8260B	04/20/11	5
1,2,3-Trichloropropane	BDL	0.015	mg/kg	8260B	04/20/11	5
1,2,4-Trimethylbenzene	BDL	0.0059	mg/kg	8260B	04/20/11	5
1,3,5-Trimethylbenzene	BDL	0.0059	mg/kg	8260B	04/20/11	5
Vinyl chloride	BDL	0.0059	mg/kg	8260B	04/20/11	5
Xylenes, Total	BDL	0.018	mg/kg	8260B	04/20/11	5
Surrogate Recovery						
Toluene-d8	103.		% Rec.	8260B	04/20/11	5
Dibromofluoromethane	96.6		% Rec.	8260B	04/20/11	5
a,a,a-Trifluorotoluene	108.		% Rec.	8260B	04/20/11	5
4-Bromofluorobenzene	98.5		% Rec.	8260B	04/20/11	5
Ohio DRO						
C10-C20 Hydrocarbons	BDL	4.7	mg/kg	8015M	04/21/11	1
C20-C34 Hydrocarbons	BDL	4.7	mg/kg	8015M	04/21/11	1
Surrogate Recovery						
o-Terphenyl	60.8		% Rec.	8015M	04/21/11	1
Polynuclear Aromatic Hydrocarbons						
Extraction Date		04/25/11		8270C	04/26/11	1
Anthracene	BDL	0.039	mg/kg	8270C	04/26/11	1
Acenaphthene	BDL	0.039	mg/kg	8270C	04/26/11	1

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April 27, 2011

Date Received : April 19, 2011
 Description : Piqua Power Plant
 Sample ID : 2
 Collected By : Ed Council
 Collection Date : 04/14/11 15:30

ESC Sample # : L511906-02

Site ID :

Project # : PIQUA 4-14-11

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Acenaphthylene	BDL	0.039	mg/kg	8270C	04/26/11	1
Benzo(a)anthracene	BDL	0.039	mg/kg	8270C	04/26/11	1
Benzo(a)pyrene	BDL	0.039	mg/kg	8270C	04/26/11	1
Benzo(b)fluoranthene	BDL	0.039	mg/kg	8270C	04/26/11	1
Benzo(g,h,i)perylene	BDL	0.039	mg/kg	8270C	04/26/11	1
Benzo(k)fluoranthene	BDL	0.039	mg/kg	8270C	04/26/11	1
Chrysene	BDL	0.039	mg/kg	8270C	04/26/11	1
Dibenz(a,h)anthracene	BDL	0.039	mg/kg	8270C	04/26/11	1
Fluoranthene	BDL	0.039	mg/kg	8270C	04/26/11	1
Fluorene	BDL	0.039	mg/kg	8270C	04/26/11	1
Indeno(1,2,3-cd)pyrene	BDL	0.039	mg/kg	8270C	04/26/11	1
Naphthalene	0.046	0.039	mg/kg	8270C	04/26/11	1
Phenanthrene	0.047	0.039	mg/kg	8270C	04/26/11	1
Pyrene	BDL	0.039	mg/kg	8270C	04/26/11	1
1-Methylnaphthalene	0.056	0.039	mg/kg	8270C	04/26/11	1
2-Methylnaphthalene	0.073	0.039	mg/kg	8270C	04/26/11	1
Surrogate Recovery						
Nitrobenzene-d5	69.1		% Rec.	8270C	04/26/11	1
2-Fluorobiphenyl	67.6		% Rec.	8270C	04/26/11	1
p-Terphenyl-d14	74.6		% Rec.	8270C	04/26/11	1

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April 27, 2011

Date Received : April 19, 2011
Description : Piqua Power Plant
Sample ID : 3
Collected By : Ed Council
Collection Date : 04/14/11 15:40

ESC Sample # : L511906-03

Site ID :

Project # : PIQUA 4-14-11

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	92.		%	2540G	04/25/11	1
TPH C6 - C12	BDL	0.54	mg/kg	8015	04/20/11	5
Surrogate Recovery-% a,a,a-Trifluorotoluene(FID)	93.7		% Rec.	8015	04/20/11	5
Volatile Organics						
Acetone	BDL	0.27	mg/kg	8260B	04/20/11	5
Acrylonitrile	BDL	0.054	mg/kg	8260B	04/20/11	5
Benzene	BDL	0.0054	mg/kg	8260B	04/20/11	5
Bromobenzene	BDL	0.0054	mg/kg	8260B	04/20/11	5
Bromodichloromethane	BDL	0.0054	mg/kg	8260B	04/20/11	5
Bromoform	BDL	0.0054	mg/kg	8260B	04/20/11	5
Bromomethane	BDL	0.027	mg/kg	8260B	04/20/11	5
n-Butylbenzene	BDL	0.0054	mg/kg	8260B	04/20/11	5
sec-Butylbenzene	BDL	0.0054	mg/kg	8260B	04/20/11	5
tert-Butylbenzene	BDL	0.0054	mg/kg	8260B	04/20/11	5
Carbon tetrachloride	BDL	0.0054	mg/kg	8260B	04/20/11	5
Chlorobenzene	BDL	0.0054	mg/kg	8260B	04/20/11	5
Chlorodibromomethane	BDL	0.0054	mg/kg	8260B	04/20/11	5
Chloroethane	BDL	0.027	mg/kg	8260B	04/20/11	5
2-Chloroethyl vinyl ether	BDL	0.27	mg/kg	8260B	04/20/11	5
Chloroform	BDL	0.027	mg/kg	8260B	04/20/11	5
Chloromethane	BDL	0.014	mg/kg	8260B	04/20/11	5
2-Chlorotoluene	BDL	0.0054	mg/kg	8260B	04/20/11	5
4-Chlorotoluene	BDL	0.0054	mg/kg	8260B	04/20/11	5
1,2-Dibromo-3-Chloropropane	BDL	0.027	mg/kg	8260B	04/20/11	5
1,2-Dibromoethane	BDL	0.0054	mg/kg	8260B	04/20/11	5
Dibromomethane	BDL	0.0054	mg/kg	8260B	04/20/11	5
1,2-Dichlorobenzene	BDL	0.0054	mg/kg	8260B	04/20/11	5
1,3-Dichlorobenzene	BDL	0.0054	mg/kg	8260B	04/20/11	5
1,4-Dichlorobenzene	BDL	0.0054	mg/kg	8260B	04/20/11	5
Dichlorodifluoromethane	BDL	0.027	mg/kg	8260B	04/20/11	5
1,1-Dichloroethane	BDL	0.0054	mg/kg	8260B	04/20/11	5
1,2-Dichloroethane	BDL	0.0054	mg/kg	8260B	04/20/11	5
1,1-Dichloroethene	BDL	0.0054	mg/kg	8260B	04/20/11	5
cis-1,2-Dichloroethene	BDL	0.0054	mg/kg	8260B	04/20/11	5
trans-1,2-Dichloroethene	BDL	0.0054	mg/kg	8260B	04/20/11	5
1,2-Dichloropropane	BDL	0.0054	mg/kg	8260B	04/20/11	5
1,1-Dichloropropene	BDL	0.0054	mg/kg	8260B	04/20/11	5
1,3-Dichloropropene	BDL	0.0054	mg/kg	8260B	04/20/11	5
cis-1,3-Dichloropropene	BDL	0.0054	mg/kg	8260B	04/20/11	5
trans-1,3-Dichloropropene	BDL	0.0054	mg/kg	8260B	04/20/11	5
2,2-Dichloropropane	BDL	0.0054	mg/kg	8260B	04/20/11	5

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Ms. Kristen Braziel
Brownfield Restoration Group
1000 S.Cleveland-Massillon Rd.#106
Akron, OH 44333

April 27, 2011

Date Received : April 19, 2011
Description : Piqua Power Plant
Sample ID : 3
Collected By : Ed Council
Collection Date : 04/14/11 15:40

ESC Sample # : L511906-03
Site ID :
Project # : PIQUA 4-14-11

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Di-isopropyl ether	BDL	0.0054	mg/kg	8260B	04/20/11	5
Ethylbenzene	BDL	0.0054	mg/kg	8260B	04/20/11	5
Hexachloro-1,3-butadiene	BDL	0.0054	mg/kg	8260B	04/20/11	5
n-Hexane	BDL	0.054	mg/kg	8260B	04/20/11	5
Isopropylbenzene	BDL	0.0054	mg/kg	8260B	04/20/11	5
p-Isopropyltoluene	BDL	0.0054	mg/kg	8260B	04/20/11	5
2-Butanone (MEK)	BDL	0.054	mg/kg	8260B	04/20/11	5
Methylene Chloride	BDL	0.027	mg/kg	8260B	04/20/11	5
4-Methyl-2-pentanone (MIBK)	BDL	0.054	mg/kg	8260B	04/20/11	5
Methyl tert-butyl ether	BDL	0.0054	mg/kg	8260B	04/20/11	5
Naphthalene	BDL	0.027	mg/kg	8260B	04/20/11	5
n-Propylbenzene	BDL	0.0054	mg/kg	8260B	04/20/11	5
Styrene	BDL	0.0054	mg/kg	8260B	04/20/11	5
1,1,1,2-Tetrachloroethane	BDL	0.0054	mg/kg	8260B	04/20/11	5
1,1,2,2-Tetrachloroethane	BDL	0.0054	mg/kg	8260B	04/20/11	5
Tetrachloroethene	0.0081	0.0054	mg/kg	8260B	04/20/11	5
Toluene	BDL	0.027	mg/kg	8260B	04/20/11	5
1,2,3-Trichlorobenzene	BDL	0.0054	mg/kg	8260B	04/20/11	5
1,2,4-Trichlorobenzene	BDL	0.0054	mg/kg	8260B	04/20/11	5
1,1,1-Trichloroethane	BDL	0.0054	mg/kg	8260B	04/20/11	5
1,1,2-Trichloroethane	BDL	0.0054	mg/kg	8260B	04/20/11	5
Trichloroethene	BDL	0.0054	mg/kg	8260B	04/20/11	5
Trichlorofluoromethane	BDL	0.027	mg/kg	8260B	04/20/11	5
1,2,3-Trichloropropane	BDL	0.014	mg/kg	8260B	04/20/11	5
1,2,4-Trimethylbenzene	BDL	0.0054	mg/kg	8260B	04/20/11	5
1,3,5-Trimethylbenzene	BDL	0.0054	mg/kg	8260B	04/20/11	5
Vinyl chloride	BDL	0.0054	mg/kg	8260B	04/20/11	5
Xylenes, Total	BDL	0.016	mg/kg	8260B	04/20/11	5
Surrogate Recovery						
Toluene-d8	103.		% Rec.	8260B	04/20/11	5
Dibromofluoromethane	98.2		% Rec.	8260B	04/20/11	5
a,a,a-Trifluorotoluene	107.		% Rec.	8260B	04/20/11	5
4-Bromofluorobenzene	97.2		% Rec.	8260B	04/20/11	5
Ohio DRO						
C10-C20 Hydrocarbons	BDL	4.4	mg/kg	8015M	04/21/11	1
C20-C34 Hydrocarbons	BDL	4.4	mg/kg	8015M	04/21/11	1
Surrogate Recovery						
o-Terphenyl	66.6		% Rec.	8015M	04/21/11	1
Polynuclear Aromatic Hydrocarbons						
Extraction Date		04/25/11		8270C	04/26/11	1
Anthracene	BDL	0.036	mg/kg	8270C	04/26/11	1
Acenaphthene	BDL	0.036	mg/kg	8270C	04/26/11	1

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Ms. Kristen Braziel
 Brownfield Restoration Group
 1000 S.Cleveland-Massillon Rd.#106
 Akron, OH 44333

April 27, 2011

Date Received : April 19, 2011
 Description : Piqua Power Plant
 Sample ID : 3
 Collected By : Ed Council
 Collection Date : 04/14/11 15:40

ESC Sample # : L511906-03
 Site ID :
 Project # : PIQUA 4-14-11

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Acenaphthylene	BDL	0.036	mg/kg	8270C	04/26/11	1
Benzo(a)anthracene	BDL	0.036	mg/kg	8270C	04/26/11	1
Benzo(a)pyrene	BDL	0.036	mg/kg	8270C	04/26/11	1
Benzo(b)fluoranthene	BDL	0.036	mg/kg	8270C	04/26/11	1
Benzo(g,h,i)perylene	BDL	0.036	mg/kg	8270C	04/26/11	1
Benzo(k)fluoranthene	BDL	0.036	mg/kg	8270C	04/26/11	1
Chrysene	BDL	0.036	mg/kg	8270C	04/26/11	1
Dibenz(a,h)anthracene	BDL	0.036	mg/kg	8270C	04/26/11	1
Fluoranthene	BDL	0.036	mg/kg	8270C	04/26/11	1
Fluorene	BDL	0.036	mg/kg	8270C	04/26/11	1
Indeno(1,2,3-cd)pyrene	BDL	0.036	mg/kg	8270C	04/26/11	1
Naphthalene	0.037	0.036	mg/kg	8270C	04/26/11	1
Phenanthrene	BDL	0.036	mg/kg	8270C	04/26/11	1
Pyrene	BDL	0.036	mg/kg	8270C	04/26/11	1
1-Methylnaphthalene	0.040	0.036	mg/kg	8270C	04/26/11	1
2-Methylnaphthalene	0.054	0.036	mg/kg	8270C	04/26/11	1
Surrogate Recovery						
Nitrobenzene-d5	57.4		% Rec.	8270C	04/26/11	1
2-Fluorobiphenyl	55.8		% Rec.	8270C	04/26/11	1
p-Terphenyl-d14	55.4		% Rec.	8270C	04/26/11	1

Results listed are dry weight basis.

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REPORT OF ANALYSIS

Ms. Kristen Braziel
 Brownfield Restoration Group
 1000 S.Cleveland-Massillon Rd.#106
 Akron, OH 44333

April 27, 2011

Date Received : April 19, 2011
 Description : Piqua Power Plant
 Sample ID : TRIP
 Collected By : Ed Council
 Collection Date : 04/14/11 00:00

ESC Sample # : L511906-04

Site ID :

Project # : PIQUA 4-14-11

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	50.	ug/l	8260B	04/20/11	1
Acrolein	BDL	50.	ug/l	8260B	04/20/11	1
Acrylonitrile	BDL	10.	ug/l	8260B	04/20/11	1
Benzene	BDL	1.0	ug/l	8260B	04/20/11	1
Bromobenzene	BDL	1.0	ug/l	8260B	04/20/11	1
Bromodichloromethane	BDL	1.0	ug/l	8260B	04/20/11	1
Bromoform	BDL	1.0	ug/l	8260B	04/20/11	1
Bromomethane	BDL	5.0	ug/l	8260B	04/20/11	1
n-Butylbenzene	BDL	1.0	ug/l	8260B	04/20/11	1
sec-Butylbenzene	BDL	1.0	ug/l	8260B	04/20/11	1
tert-Butylbenzene	BDL	1.0	ug/l	8260B	04/20/11	1
Carbon tetrachloride	BDL	1.0	ug/l	8260B	04/20/11	1
Chlorobenzene	BDL	1.0	ug/l	8260B	04/20/11	1
Chlorodibromomethane	BDL	1.0	ug/l	8260B	04/20/11	1
Chloroethane	BDL	5.0	ug/l	8260B	04/20/11	1
2-Chloroethyl vinyl ether	BDL	50.	ug/l	8260B	04/20/11	1
Chloroform	BDL	5.0	ug/l	8260B	04/20/11	1
Chloromethane	BDL	2.5	ug/l	8260B	04/20/11	1
2-Chlorotoluene	BDL	1.0	ug/l	8260B	04/20/11	1
4-Chlorotoluene	BDL	1.0	ug/l	8260B	04/20/11	1
1,2-Dibromo-3-Chloropropane	BDL	5.0	ug/l	8260B	04/20/11	1
1,2-Dibromoethane	BDL	1.0	ug/l	8260B	04/20/11	1
Dibromomethane	BDL	1.0	ug/l	8260B	04/20/11	1
1,2-Dichlorobenzene	BDL	1.0	ug/l	8260B	04/20/11	1
1,3-Dichlorobenzene	BDL	1.0	ug/l	8260B	04/20/11	1
1,4-Dichlorobenzene	BDL	1.0	ug/l	8260B	04/20/11	1
Dichlorodifluoromethane	BDL	5.0	ug/l	8260B	04/20/11	1
1,1-Dichloroethane	BDL	1.0	ug/l	8260B	04/20/11	1
1,2-Dichloroethane	BDL	1.0	ug/l	8260B	04/20/11	1
1,1-Dichloroethene	BDL	1.0	ug/l	8260B	04/20/11	1
cis-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	04/20/11	1
trans-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	04/20/11	1
1,2-Dichloropropane	BDL	1.0	ug/l	8260B	04/20/11	1
1,1-Dichloropropene	BDL	1.0	ug/l	8260B	04/20/11	1
1,3-Dichloropropane	BDL	1.0	ug/l	8260B	04/20/11	1
cis-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	04/20/11	1
trans-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	04/20/11	1
2,2-Dichloropropane	BDL	1.0	ug/l	8260B	04/20/11	1
Di-isopropyl ether	BDL	1.0	ug/l	8260B	04/20/11	1
Ethylbenzene	BDL	1.0	ug/l	8260B	04/20/11	1
Hexachloro-1,3-butadiene	BDL	1.0	ug/l	8260B	04/20/11	1
n-Hexane	BDL	10.	ug/l	8260B	04/20/11	1
Isopropylbenzene	BDL	1.0	ug/l	8260B	04/20/11	1

BDL - Below Detection Limit
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REPORT OF ANALYSIS

Ms. Kristen Braziel
 Brownfield Restoration Group
 1000 S.Cleveland-Massillon Rd.#106
 Akron, OH 44333

April 27, 2011

Date Received : April 19, 2011
 Description : Piqua Power Plant
 Sample ID : TRIP
 Collected By : Ed Council
 Collection Date : 04/14/11 00:00

ESC Sample # : L511906-04
 Site ID :
 Project # : PIQUA 4-14-11

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
p-Isopropyltoluene	BDL	1.0	ug/l	8260B	04/20/11	1
2-Butanone (MEK)	BDL	10.	ug/l	8260B	04/20/11	1
Methylene Chloride	BDL	5.0	ug/l	8260B	04/20/11	1
4-Methyl-2-pentanone (MIBK)	BDL	10.	ug/l	8260B	04/20/11	1
Methyl tert-butyl ether	BDL	1.0	ug/l	8260B	04/20/11	1
Naphthalene	BDL	5.0	ug/l	8260B	04/20/11	1
n-Propylbenzene	BDL	1.0	ug/l	8260B	04/20/11	1
Styrene	BDL	1.0	ug/l	8260B	04/20/11	1
1,1,1,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	04/20/11	1
1,1,2,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	04/20/11	1
Tetrachloroethene	BDL	1.0	ug/l	8260B	04/20/11	1
Toluene	BDL	5.0	ug/l	8260B	04/20/11	1
1,2,3-Trichlorobenzene	BDL	1.0	ug/l	8260B	04/20/11	1
1,2,4-Trichlorobenzene	BDL	1.0	ug/l	8260B	04/20/11	1
1,1,1-Trichloroethane	BDL	1.0	ug/l	8260B	04/20/11	1
1,1,2-Trichloroethane	BDL	1.0	ug/l	8260B	04/20/11	1
Trichloroethene	BDL	1.0	ug/l	8260B	04/20/11	1
Trichlorofluoromethane	BDL	5.0	ug/l	8260B	04/20/11	1
1,2,3-Trichloropropane	BDL	2.5	ug/l	8260B	04/20/11	1
1,2,4-Trimethylbenzene	BDL	1.0	ug/l	8260B	04/20/11	1
1,3,5-Trimethylbenzene	BDL	1.0	ug/l	8260B	04/20/11	1
Vinyl chloride	BDL	1.0	ug/l	8260B	04/20/11	1
Xylenes, Total	BDL	3.0	ug/l	8260B	04/20/11	1
Surrogate Recovery						
Toluene-d8	105.		% Rec.	8260B	04/20/11	1
Dibromofluoromethane	111.		% Rec.	8260B	04/20/11	1
4-Bromofluorobenzene	108.		% Rec.	8260B	04/20/11	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

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Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L511906-01	WG531741	SAMP	Styrene	R1659211	J4
L511906-02	WG531741	SAMP	Styrene	R1659211	J4
L511906-03	WG531741	SAMP	Styrene	R1659211	J4
L511906-04	WG531759	SAMP	Styrene	R1659789	J4

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J4	The associated batch QC was outside the established quality control range for accuracy.

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods, it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable "unless qualified as 'R' (Rejected)."

Definitions

- Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.
- Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Difference.
- Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromatography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.
- TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

Summary of Remarks For Samples Printed
04/27/11 at 14:45:44

TSR Signing Reports: 350
R5 - Desired TAT

Sample: L511906-01 Account: BRORESAOH Received: 04/19/11 08:45 Due Date: 04/26/11 00:00 RPT Date: 04/27/11 14:45
QC2VAP
Sample: L511906-02 Account: BRORESAOH Received: 04/19/11 08:45 Due Date: 04/26/11 00:00 RPT Date: 04/27/11 14:45
QC2VAP
Sample: L511906-03 Account: BRORESAOH Received: 04/19/11 08:45 Due Date: 04/26/11 00:00 RPT Date: 04/27/11 14:45
QC2VAP
Sample: L511906-04 Account: BRORESAOH Received: 04/19/11 08:45 Due Date: 04/26/11 00:00 RPT Date: 04/27/11 14:45
QC2VAP