



12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

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

Report Summary

Thursday May 12, 2011

Report Number: L514664

Samples Received: 05/06/11

Client Project: 09020

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

Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.

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

This report may not be reproduced, except in full, without written approval from ESC Lab Sciences. Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.



12065 Lebanon Rd.
 Mt. Juliet, TN 37122
 (615) 758-5858
 1-800-767-5859
 Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

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

May 12, 2011

Date Received : May 06, 2011
 Description : Piqua Power Plant
 Sample ID : N-1
 Collected By :
 Collection Date : 05/02/11 11:20

ESC Sample # : L514664-01
 Site ID : PIQUA, OH
 Project # : 09020

Parameter	Cas#	Mol Wght	RDL1	RDL2	ppbv	ug/m3	Method	Date	Dil.
Volatiles in Air for Ohio VAP									
Acetone	67-64-1	58.1	2.50	5.90	8.7	21.	8260B	05/06/11	2
Allyl chloride	107-05-1	76.53	0.400	1.30	< 0.40	< 1.3	8260B	05/06/11	2
Benzene	71-43-2	78.1	0.400	1.30	0.41	1.3	8260B	05/06/11	2
Benzyl Chloride	100-44-7	127	0.400	2.10	< 0.40	< 2.1	8260B	05/06/11	2
Bromodichloromethane	75-27-4	164	0.400	2.70	< 0.40	< 2.7	8260B	05/06/11	2
Bromoform	75-25-2	253	1.20	12.0	< 1.2	< 12.	8260B	05/06/11	2
Bromomethane	74-83-9	94.9	0.400	1.60	< 0.40	< 1.6	8260B	05/06/11	2
1,3-Butadiene	106-99-0	54.1	4.00	8.90	< 4.0	< 8.9	8260B	05/06/11	2
Carbon disulfide	75-15-0	76.1	0.400	1.20	1.5	4.7	8260B	05/06/11	2
Carbon tetrachloride	56-23-5	154	0.400	2.50	< 0.40	< 2.5	8260B	05/06/11	2
Chlorobenzene	108-90-7	113	0.400	1.80	< 0.40	< 1.8	8260B	05/06/11	2
Chloroethane	75-00-3	64.5	0.400	1.10	< 0.40	< 1.1	8260B	05/06/11	2
Chloroform	67-66-3	119	0.400	1.90	0.41	2.0	8260B	05/06/11	2
Chloromethane	74-87-3	50.5	0.400	0.830	< 0.40	< 0.83	8260B	05/06/11	2
2-Chlorotoluene	95-49-8	126	0.400	2.10	< 0.40	< 2.1	8260B	05/06/11	2
Cyclohexane	110-82-7	84.2	0.400	1.40	15.	52.	8260B	05/06/11	2
Dibromochloromethane	124-48-1	208	0.400	3.40	< 0.40	< 3.4	8260B	05/06/11	2
1,2-Dibromoethane	106-93-4	188	0.400	3.10	< 0.40	< 3.1	8260B	05/06/11	2
1,2-Dichlorobenzene	95-50-1	147	0.400	2.40	< 0.40	< 2.4	8260B	05/06/11	2
1,3-Dichlorobenzene	541-73-1	147	0.400	2.40	< 0.40	< 2.4	8260B	05/06/11	2
1,4-Dichlorobenzene	106-46-7	147	0.400	2.40	< 0.40	< 2.4	8260B	05/06/11	2
1,2-Dichloroethane	107-06-2	99	0.400	1.60	< 0.40	< 1.6	8260B	05/06/11	2
1,1-Dichloroethane	75-34-3	98	0.400	1.60	< 0.40	< 1.6	8260B	05/06/11	2
1,1-Dichloroethene	75-35-4	96.9	0.400	1.60	< 0.40	< 1.6	8260B	05/06/11	2
cis-1,2-Dichloroethene	156-59-2	96.9	0.400	1.60	< 0.40	< 1.6	8260B	05/06/11	2
trans-1,2-Dichloroethene	156-60-5	96.9	0.400	1.60	< 0.40	< 1.6	8260B	05/06/11	2
1,2-Dichloropropane	78-87-5	113	0.400	1.80	0.67	3.1	8260B	05/06/11	2
cis-1,3-Dichloropropene	10061-01-5	111	0.400	1.80	< 0.40	< 1.8	8260B	05/06/11	2
trans-1,3-Dichloropropene	10061-02-6	111	0.400	1.80	< 0.40	< 1.8	8260B	05/06/11	2
1,4-Dioxane	123-91-1	88.1	0.400	1.40	< 0.40	< 1.4	8260B	05/06/11	2
Ethanol	64-17-5	46.1	1.26	2.40	28.	53.	8260B	05/06/11	2
Ethylbenzene	100-41-4	106	0.400	1.70	< 0.40	< 1.7	8260B	05/06/11	2
4-Ethyltoluene	622-96-8	120	0.400	2.00	< 0.40	< 2.0	8260B	05/06/11	2
Trichlorofluoromethane	75-69-4	137.4	0.400	2.20	< 0.40	< 2.2	8260B	05/06/11	2
Dichlorodifluoromethane	75-71-8	120.92	0.400	2.00	0.40	2.0	8260B	05/06/11	2
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	0.400	3.10	< 0.40	< 3.1	8260B	05/06/11	2
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.400	2.80	< 0.40	< 2.8	8260B	05/06/11	2
Heptane	142-82-5	100	0.400	1.60	0.60	2.5	8260B	05/06/11	2
Hexachloro-1,3-butadiene	87-68-3	261	1.26	13.0	< 1.3	< 13.	8260B	05/06/11	2
n-Hexane	110-54-3	86.2	0.400	1.40	6.8	24.	8260B	05/06/11	2
Isopropylbenzene	98-82-8	120.2	0.400	2.00	< 0.40	< 2.0	8260B	05/06/11	2
Methylene Chloride	75-09-2	84.9	0.400	1.40	1.1	3.8	8260B	05/06/11	2
Methyl Butyl Ketone	591-78-6	100	2.50	10.0	< 2.5	< 10.	8260B	05/06/11	2

RDL1 = ppbv , RDL2 = ug/m3

Note:

Units are based on (STP) - Standard Temperature and Pressure

The reported analytical results relate only to the sample submitted.

This report shall not be reproduced, except in full, without the written approval from ESC.

Reported: 05/11/11 15:52 Revised: 05/12/11 09:31



12065 Lebanon Rd.
 Mt. Juliet, TN 37122
 (615) 758-5858
 1-800-767-5859
 Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

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

May 12, 2011

Date Received : May 06, 2011
 Description : Piqua Power Plant
 Sample ID : N-1
 Collected By :
 Collection Date : 05/02/11 11:20

ESC Sample # : L514664-01
 Site ID : PIQUA, OH
 Project # : 09020

Parameter	Cas#	Mol Wght	RDL1	RDL2	ppbv	ug/m3	Method	Date	Dil.
2-Butanone (MEK)	78-93-3	72.1	2.50	7.40	< 2.5	< 7.4	8260B	05/06/11	2
4-Methyl-2-pentanone (MIBK)	108-10-1	100.1	2.50	10.0	< 2.5	< 10.	8260B	05/06/11	2
Methyl methacrylate	80-62-6	100.12	0.400	1.60	< 0.40	< 1.6	8260B	05/06/11	2
MTBE	1634-04-4	88.1	0.400	1.40	< 0.40	< 1.4	8260B	05/06/11	2
2-Propanol	67-63-0	60.1	2.50	6.10	11.	27.	8260B	05/06/11	2
Propene	115-07-1	42.1	0.800	1.40	< 0.80	< 1.4	8260B	05/06/11	2
Styrene	100-42-5	104	0.400	1.70	0.44	1.9	8260B	05/06/11	2
1,1,2,2-Tetrachloroethane	79-34-5	168	0.400	2.70	< 0.40	< 2.7	8260B	05/06/11	2
Tetrachloroethylene	127-18-4	166	0.400	2.70	3.9	26.	8260B	05/06/11	2
Tetrahydrofuran	109-99-9	72.1	0.400	1.20	< 0.40	< 1.2	8260B	05/06/11	2
Toluene	108-88-3	92.1	0.40	1.5	8.3	31.	8260B	05/06/11	2
1,2,4-Trichlorobenzene	120-82-1	181	1.26	9.30	< 1.3	< 9.3	8260B	05/06/11	2
1,1,1-Trichloroethane	71-55-6	133	0.400	2.20	12.	65.	8260B	05/06/11	2
1,1,2-Trichloroethane	79-00-5	133	0.400	2.20	< 0.40	< 2.2	8260B	05/06/11	2
Trichloroethylene	79-01-6	131	0.400	2.10	< 0.40	< 2.1	8260B	05/06/11	2
2,2,4-Trimethylpentane	540-84-1	114.22	0.400	1.90	1.1	5.1	8260B	05/06/11	2
Vinyl acetate	108-05-4	86.1	0.400	1.40	< 0.40	< 1.4	8260B	05/06/11	2
Vinyl Bromide	593-60-2	106.95	0.400	1.70	< 0.40	< 1.7	8260B	05/06/11	2
Vinyl chloride	75-01-4	62.5	0.400	1.00	< 0.40	< 1.0	8260B	05/06/11	2
m&p-Xylene	1330-20-7	106	0.800	3.50	1.0	4.3	8260B	05/06/11	2
o-Xylene	95-47-6	106	0.400	1.70	0.44	1.9	8260B	05/06/11	2
1,4-Bromofluorobenzene	460-00-4				97.63	% Rec.	8260B	05/06/11	2

RDL1 = ppbv , RDL2 = ug/m3

Note:

Units are based on (STP) - Standard Temperature and Pressure

The reported analytical results relate only to the sample submitted.

This report shall not be reproduced, except in full, without the written approval from ESC.

Reported: 05/11/11 15:52 Revised: 05/12/11 09:31



12065 Lebanon Rd.
 Mt. Juliet, TN 37122
 (615) 758-5858
 1-800-767-5859
 Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

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

May 12, 2011

Date Received : May 06, 2011
 Description : Piqua Power Plant
 Sample ID : N-1R
 Collected By :
 Collection Date : 05/02/11 11:25

ESC Sample # : L514664-02
 Site ID : PIQUA, OH
 Project # : 09020

Parameter	Cas#	Mol Wght	RDL1	RDL2	ppbv	ug/m3	Method	Date	Dil.
Volatiles in Air for Ohio VAP									
Acetone	67-64-1	58.1	2.50	5.90	9.7	23.	8260B	05/06/11	2
Allyl chloride	107-05-1	76.53	0.400	1.30	< 0.40	< 1.3	8260B	05/06/11	2
Benzene	71-43-2	78.1	0.400	1.30	0.57	1.8	8260B	05/06/11	2
Benzyl Chloride	100-44-7	127	0.400	2.10	< 0.40	< 2.1	8260B	05/06/11	2
Bromodichloromethane	75-27-4	164	0.400	2.70	< 0.40	< 2.7	8260B	05/06/11	2
Bromoform	75-25-2	253	1.20	12.0	< 1.2	< 12.	8260B	05/06/11	2
Bromomethane	74-83-9	94.9	0.400	1.60	< 0.40	< 1.6	8260B	05/06/11	2
1,3-Butadiene	106-99-0	54.1	4.00	8.90	< 4.0	< 8.9	8260B	05/06/11	2
Carbon disulfide	75-15-0	76.1	0.400	1.20	1.9	5.9	8260B	05/06/11	2
Carbon tetrachloride	56-23-5	154	0.400	2.50	< 0.40	< 2.5	8260B	05/06/11	2
Chlorobenzene	108-90-7	113	0.400	1.80	< 0.40	< 1.8	8260B	05/06/11	2
Chloroethane	75-00-3	64.5	0.400	1.10	< 0.40	< 1.1	8260B	05/06/11	2
Chloroform	67-66-3	119	0.400	1.90	0.40	1.9	8260B	05/06/11	2
Chloromethane	74-87-3	50.5	0.400	0.830	< 0.40	< 0.83	8260B	05/06/11	2
2-Chlorotoluene	95-49-8	126	0.400	2.10	< 0.40	< 2.1	8260B	05/06/11	2
Cyclohexane	110-82-7	84.2	0.400	1.40	13.	45.	8260B	05/06/11	2
Dibromochloromethane	124-48-1	208	0.400	3.40	< 0.40	< 3.4	8260B	05/06/11	2
1,2-Dibromoethane	106-93-4	188	0.400	3.10	< 0.40	< 3.1	8260B	05/06/11	2
1,2-Dichlorobenzene	95-50-1	147	0.400	2.40	< 0.40	< 2.4	8260B	05/06/11	2
1,3-Dichlorobenzene	541-73-1	147	0.400	2.40	< 0.40	< 2.4	8260B	05/06/11	2
1,4-Dichlorobenzene	106-46-7	147	0.400	2.40	< 0.40	< 2.4	8260B	05/06/11	2
1,2-Dichloroethane	107-06-2	99	0.400	1.60	< 0.40	< 1.6	8260B	05/06/11	2
1,1-Dichloroethane	75-34-3	98	0.400	1.60	< 0.40	< 1.6	8260B	05/06/11	2
1,1-Dichloroethene	75-35-4	96.9	0.400	1.60	< 0.40	< 1.6	8260B	05/06/11	2
cis-1,2-Dichloroethene	156-59-2	96.9	0.400	1.60	< 0.40	< 1.6	8260B	05/06/11	2
trans-1,2-Dichloroethene	156-60-5	96.9	0.400	1.60	< 0.40	< 1.6	8260B	05/06/11	2
1,2-Dichloropropane	78-87-5	113	0.400	1.80	0.53	2.4	8260B	05/06/11	2
cis-1,3-Dichloropropene	10061-01-5	111	0.400	1.80	< 0.40	< 1.8	8260B	05/06/11	2
trans-1,3-Dichloropropene	10061-02-6	111	0.400	1.80	< 0.40	< 1.8	8260B	05/06/11	2
1,4-Dioxane	123-91-1	88.1	0.400	1.40	< 0.40	< 1.4	8260B	05/06/11	2
Ethanol	64-17-5	46.1	1.26	2.40	27.	51.	8260B	05/06/11	2
Ethylbenzene	100-41-4	106	0.400	1.70	< 0.40	< 1.7	8260B	05/06/11	2
4-Ethyltoluene	622-96-8	120	0.400	2.00	< 0.40	< 2.0	8260B	05/06/11	2
Trichlorofluoromethane	75-69-4	137.4	0.400	2.20	< 0.40	< 2.2	8260B	05/06/11	2
Dichlorodifluoromethane	75-71-8	120.92	0.400	2.00	0.40	2.0	8260B	05/06/11	2
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	0.400	3.10	< 0.40	< 3.1	8260B	05/06/11	2
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.400	2.80	< 0.40	< 2.8	8260B	05/06/11	2
Heptane	142-82-5	100	0.400	1.60	1.3	5.3	8260B	05/06/11	2
Hexachloro-1,3-butadiene	87-68-3	261	1.26	13.0	< 1.3	< 13.	8260B	05/06/11	2
n-Hexane	110-54-3	86.2	0.400	1.40	9.1	32.	8260B	05/06/11	2
Isopropylbenzene	98-82-8	120.2	0.400	2.00	< 0.40	< 2.0	8260B	05/06/11	2
Methylene Chloride	75-09-2	84.9	0.400	1.40	0.99	3.4	8260B	05/06/11	2
Methyl Butyl Ketone	591-78-6	100	2.50	10.0	< 2.5	< 10.	8260B	05/06/11	2

RDL1 = ppbv , RDL2 = ug/m3

Note:

Units are based on (STP) - Standard Temperature and Pressure

The reported analytical results relate only to the sample submitted.

This report shall not be reproduced, except in full, without the written approval from ESC.

Reported: 05/11/11 15:52 Revised: 05/12/11 09:31



12065 Lebanon Rd.
 Mt. Juliet, TN 37122
 (615) 758-5858
 1-800-767-5859
 Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

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

May 12, 2011

Date Received : May 06, 2011
 Description : Piqua Power Plant
 Sample ID : N-1R
 Collected By :
 Collection Date : 05/02/11 11:25

ESC Sample # : L514664-02
 Site ID : PIQUA, OH
 Project # : 09020

Parameter	Cas#	Mol Wght	RDL1	RDL2	ppbv	ug/m3	Method	Date	Dil.
2-Butanone (MEK)	78-93-3	72.1	2.50	7.40	< 2.5	< 7.4	8260B	05/06/11	2
4-Methyl-2-pentanone (MIBK)	108-10-1	100.1	2.50	10.0	< 2.5	< 10.	8260B	05/06/11	2
Methyl methacrylate	80-62-6	100.12	0.400	1.60	< 0.40	< 1.6	8260B	05/06/11	2
MTBE	1634-04-4	88.1	0.400	1.40	< 0.40	< 1.4	8260B	05/06/11	2
2-Propanol	67-63-0	60.1	2.50	6.10	22.	54.	8260B	05/06/11	2
Propene	115-07-1	42.1	0.800	1.40	< 0.80	< 1.4	8260B	05/06/11	2
Styrene	100-42-5	104	0.400	1.70	0.42	1.8	8260B	05/06/11	2
1,1,2,2-Tetrachloroethane	79-34-5	168	0.400	2.70	< 0.40	< 2.7	8260B	05/06/11	2
Tetrachloroethylene	127-18-4	166	0.400	2.70	3.5	24.	8260B	05/06/11	2
Tetrahydrofuran	109-99-9	72.1	0.400	1.20	< 0.40	< 1.2	8260B	05/06/11	2
Toluene	108-88-3	92.1	0.40	1.5	6.7	25.	8260B	05/06/11	2
1,2,4-Trichlorobenzene	120-82-1	181	1.26	9.30	< 1.3	< 9.3	8260B	05/06/11	2
1,1,1-Trichloroethane	71-55-6	133	0.400	2.20	12.	65.	8260B	05/06/11	2
1,1,2-Trichloroethane	79-00-5	133	0.400	2.20	< 0.40	< 2.2	8260B	05/06/11	2
Trichloroethylene	79-01-6	131	0.400	2.10	< 0.40	< 2.1	8260B	05/06/11	2
2,2,4-Trimethylpentane	540-84-1	114.22	0.400	1.90	0.96	4.5	8260B	05/06/11	2
Vinyl acetate	108-05-4	86.1	0.400	1.40	< 0.40	< 1.4	8260B	05/06/11	2
Vinyl Bromide	593-60-2	106.95	0.400	1.70	< 0.40	< 1.7	8260B	05/06/11	2
Vinyl chloride	75-01-4	62.5	0.400	1.00	< 0.40	< 1.0	8260B	05/06/11	2
m&p-Xylene	1330-20-7	106	0.800	3.50	1.1	4.8	8260B	05/06/11	2
o-Xylene	95-47-6	106	0.400	1.70	0.47	2.0	8260B	05/06/11	2
1,4-Bromofluorobenzene	460-00-4				95.61	% Rec.	8260B	05/06/11	2

RDL1 = ppbv , RDL2 = ug/m3

Note:

Units are based on (STP) - Standard Temperature and Pressure

The reported analytical results relate only to the sample submitted.

This report shall not be reproduced, except in full, without the written approval from ESC.

Reported: 05/11/11 15:52 Revised: 05/12/11 09:31



12065 Lebanon Rd.
 Mt. Juliet, TN 37122
 (615) 758-5858
 1-800-767-5859
 Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

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

May 12, 2011

Date Received : May 06, 2011
 Description : Piqua Power Plant
 Sample ID : N-2
 Collected By :
 Collection Date : 05/02/11 11:40

ESC Sample # : L514664-03
 Site ID : PIQUA, OH
 Project # : 09020

Parameter	Cas#	Mol Wght	RDL1	RDL2	ppbv	ug/m3	Method	Date	Dil.
Volatiles in Air for Ohio VAP									
Acetone	67-64-1	58.1	2.50	5.90	40.	95.	8260B	05/06/11	2
Allyl chloride	107-05-1	76.53	0.400	1.30	< 0.40	< 1.3	8260B	05/06/11	2
Benzene	71-43-2	78.1	0.400	1.30	1.8	5.7	8260B	05/06/11	2
Benzyl Chloride	100-44-7	127	0.400	2.10	< 0.40	< 2.1	8260B	05/06/11	2
Bromodichloromethane	75-27-4	164	0.400	2.70	< 0.40	< 2.7	8260B	05/06/11	2
Bromoform	75-25-2	253	1.20	12.0	< 1.2	< 12.	8260B	05/06/11	2
Bromomethane	74-83-9	94.9	0.400	1.60	< 0.40	< 1.6	8260B	05/06/11	2
1,3-Butadiene	106-99-0	54.1	4.00	8.90	< 4.0	< 8.9	8260B	05/06/11	2
Carbon disulfide	75-15-0	76.1	0.400	1.20	2.5	7.8	8260B	05/06/11	2
Carbon tetrachloride	56-23-5	154	0.400	2.50	< 0.40	< 2.5	8260B	05/06/11	2
Chlorobenzene	108-90-7	113	0.400	1.80	< 0.40	< 1.8	8260B	05/06/11	2
Chloroethane	75-00-3	64.5	0.400	1.10	< 0.40	< 1.1	8260B	05/06/11	2
Chloroform	67-66-3	119	0.400	1.90	< 0.40	< 1.9	8260B	05/06/11	2
Chloromethane	74-87-3	50.5	0.400	0.830	< 0.40	< 0.83	8260B	05/06/11	2
2-Chlorotoluene	95-49-8	126	0.400	2.10	< 0.40	< 2.1	8260B	05/06/11	2
Cyclohexane	110-82-7	84.2	0.400	1.40	30.	100	8260B	05/06/11	2
Dibromochloromethane	124-48-1	208	0.400	3.40	< 0.40	< 3.4	8260B	05/06/11	2
1,2-Dibromoethane	106-93-4	188	0.400	3.10	< 0.40	< 3.1	8260B	05/06/11	2
1,2-Dichlorobenzene	95-50-1	147	0.400	2.40	< 0.40	< 2.4	8260B	05/06/11	2
1,3-Dichlorobenzene	541-73-1	147	0.400	2.40	< 0.40	< 2.4	8260B	05/06/11	2
1,4-Dichlorobenzene	106-46-7	147	0.400	2.40	< 0.40	< 2.4	8260B	05/06/11	2
1,2-Dichloroethane	107-06-2	99	0.400	1.60	< 0.40	< 1.6	8260B	05/06/11	2
1,1-Dichloroethane	75-34-3	98	0.400	1.60	< 0.40	< 1.6	8260B	05/06/11	2
1,1-Dichloroethene	75-35-4	96.9	0.400	1.60	< 0.40	< 1.6	8260B	05/06/11	2
cis-1,2-Dichloroethene	156-59-2	96.9	0.400	1.60	< 0.40	< 1.6	8260B	05/06/11	2
trans-1,2-Dichloroethene	156-60-5	96.9	0.400	1.60	< 0.40	< 1.6	8260B	05/06/11	2
1,2-Dichloropropane	78-87-5	113	0.400	1.80	0.95	4.4	8260B	05/06/11	2
cis-1,3-Dichloropropene	10061-01-5	111	0.400	1.80	< 0.40	< 1.8	8260B	05/06/11	2
trans-1,3-Dichloropropene	10061-02-6	111	0.400	1.80	< 0.40	< 1.8	8260B	05/06/11	2
1,4-Dioxane	123-91-1	88.1	0.400	1.40	< 0.40	< 1.4	8260B	05/06/11	2
Ethanol	64-17-5	46.1	1.26	2.40	50.	94.	8260B	05/06/11	2
Ethylbenzene	100-41-4	106	0.400	1.70	0.43	1.9	8260B	05/06/11	2
4-Ethyltoluene	622-96-8	120	0.400	2.00	< 0.40	< 2.0	8260B	05/06/11	2
Trichlorofluoromethane	75-69-4	137.4	0.400	2.20	< 0.40	< 2.2	8260B	05/06/11	2
Dichlorodifluoromethane	75-71-8	120.92	0.400	2.00	0.41	2.0	8260B	05/06/11	2
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	0.400	3.10	< 0.40	< 3.1	8260B	05/06/11	2
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.400	2.80	< 0.40	< 2.8	8260B	05/06/11	2
Heptane	142-82-5	100	0.400	1.60	3.0	12.	8260B	05/06/11	2
Hexachloro-1,3-butadiene	87-68-3	261	1.26	13.0	< 1.3	< 13.	8260B	05/06/11	2
n-Hexane	110-54-3	86.2	0.400	1.40	23.	81.	8260B	05/06/11	2
Isopropylbenzene	98-82-8	120.2	0.400	2.00	< 0.40	< 2.0	8260B	05/06/11	2
Methylene Chloride	75-09-2	84.9	0.400	1.40	2.1	7.3	8260B	05/06/11	2
Methyl Butyl Ketone	591-78-6	100	2.50	10.0	< 2.5	< 10.	8260B	05/06/11	2

RDL1 = ppbv , RDL2 = ug/m3

Note:

Units are based on (STP) - Standard Temperature and Pressure

The reported analytical results relate only to the sample submitted.

This report shall not be reproduced, except in full, without the written approval from ESC.

Reported: 05/11/11 15:52 Revised: 05/12/11 09:31



12065 Lebanon Rd.
 Mt. Juliet, TN 37122
 (615) 758-5858
 1-800-767-5859
 Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

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

May 12, 2011

Date Received : May 06, 2011
 Description : Piqua Power Plant
 Sample ID : N-2
 Collected By :
 Collection Date : 05/02/11 11:40

ESC Sample # : L514664-03
 Site ID : PIQUA, OH
 Project # : 09020

Parameter	Cas#	Mol Wght	RDL1	RDL2	ppbv	ug/m3	Method	Date	Dil.
2-Butanone (MEK)	78-93-3	72.1	2.50	7.40	< 2.5	< 7.4	8260B	05/06/11	2
4-Methyl-2-pentanone (MIBK)	108-10-1	100.1	2.50	10.0	< 2.5	< 10.	8260B	05/06/11	2
Methyl methacrylate	80-62-6	100.12	0.400	1.60	< 0.40	< 1.6	8260B	05/06/11	2
MTBE	1634-04-4	88.1	0.400	1.40	< 0.40	< 1.4	8260B	05/06/11	2
2-Propanol	67-63-0	60.1	2.50	6.10	53.	130	8260B	05/06/11	2
Propene	115-07-1	42.1	0.800	1.40	< 0.80	< 1.4	8260B	05/06/11	2
Styrene	100-42-5	104	0.400	1.70	0.46	2.0	8260B	05/06/11	2
1,1,2,2-Tetrachloroethane	79-34-5	168	0.400	2.70	< 0.40	< 2.7	8260B	05/06/11	2
Tetrachloroethylene	127-18-4	166	0.400	2.70	0.94	6.4	8260B	05/06/11	2
Tetrahydrofuran	109-99-9	72.1	0.400	1.20	< 0.40	< 1.2	8260B	05/06/11	2
Toluene	108-88-3	92.1	0.40	1.5	7.2	27.	8260B	05/06/11	2
1,2,4-Trichlorobenzene	120-82-1	181	1.26	9.30	< 1.3	< 9.3	8260B	05/06/11	2
1,1,1-Trichloroethane	71-55-6	133	0.400	2.20	3.4	18.	8260B	05/06/11	2
1,1,2-Trichloroethane	79-00-5	133	0.400	2.20	< 0.40	< 2.2	8260B	05/06/11	2
Trichloroethylene	79-01-6	131	0.400	2.10	< 0.40	< 2.1	8260B	05/06/11	2
2,2,4-Trimethylpentane	540-84-1	114.22	0.400	1.90	2.3	11.	8260B	05/06/11	2
Vinyl acetate	108-05-4	86.1	0.400	1.40	< 0.40	< 1.4	8260B	05/06/11	2
Vinyl Bromide	593-60-2	106.95	0.400	1.70	< 0.40	< 1.7	8260B	05/06/11	2
Vinyl chloride	75-01-4	62.5	0.400	1.00	< 0.40	< 1.0	8260B	05/06/11	2
m&p-Xylene	1330-20-7	106	0.800	3.50	1.2	5.2	8260B	05/06/11	2
o-Xylene	95-47-6	106	0.400	1.70	0.50	2.2	8260B	05/06/11	2
1,4-Bromofluorobenzene	460-00-4				99.6	% Rec.	8260B	05/06/11	2

RDL1 = ppbv , RDL2 = ug/m3

Note:

Units are based on (STP) - Standard Temperature and Pressure

The reported analytical results relate only to the sample submitted.

This report shall not be reproduced, except in full, without the written approval from ESC.

Reported: 05/11/11 15:52 Revised: 05/12/11 09:31

Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L514664-02	WG534515	SAMP	2-Propanol	R1678532	E
L514664-03	WG534515	SAMP	Ethanol	R1678532	E
	WG534515	SAMP	2-Propanol	R1678532	E

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
E	GTL (EPA) - Greater than upper calibration limit: Actual value is known to be greater than the upper calibration range.

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.