

ANALYTICAL RESULTS

Workorder: 2272723 Kutztown Well and Water Project

Lab ID: **2272723001**

Date Collected: 10/26/2017 12:32

Matrix: Water

Sample ID: **Kutztown Discharge**

Date Received: 10/27/2017 12:54

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	0.50	EPA 524.2			11/2/17 17:46	DD	A
Bromobenzene	ND		ug/L	0.50	EPA 524.2			11/2/17 17:46	DD	A
Bromodichloromethane	ND		ug/L	0.50	EPA 524.2			11/2/17 17:46	DD	A
Bromoform	ND	2,3	ug/L	0.50	EPA 524.2			11/2/17 17:46	DD	A
Bromomethane	ND		ug/L	0.50	EPA 524.2			11/2/17 17:46	DD	A
Carbon Tetrachloride	ND		ug/L	0.50	EPA 524.2			11/2/17 17:46	DD	A
Chlorobenzene	ND		ug/L	0.50	EPA 524.2			11/2/17 17:46	DD	A
Chlorodibromomethane	ND	1	ug/L	0.50	EPA 524.2			11/2/17 17:46	DD	A
Chloroethane	ND		ug/L	0.50	EPA 524.2			11/2/17 17:46	DD	A
Chloroform	ND		ug/L	0.50	EPA 524.2			11/2/17 17:46	DD	A
Chloromethane	ND		ug/L	0.50	EPA 524.2			11/2/17 17:46	DD	A
o-Chlorotoluene	ND		ug/L	0.50	EPA 524.2			11/2/17 17:46	DD	A
p-Chlorotoluene	ND		ug/L	0.50	EPA 524.2			11/2/17 17:46	DD	A
Dibromomethane	ND		ug/L	0.50	EPA 524.2			11/2/17 17:46	DD	A
1,2-Dichlorobenzene	ND		ug/L	0.50	EPA 524.2			11/2/17 17:46	DD	A
1,3-Dichlorobenzene	ND		ug/L	0.50	EPA 524.2			11/2/17 17:46	DD	A
1,4-Dichlorobenzene	ND		ug/L	0.50	EPA 524.2			11/2/17 17:46	DD	A
1,1-Dichloroethane	ND		ug/L	0.50	EPA 524.2			11/2/17 17:46	DD	A
1,2-Dichloroethane	ND		ug/L	0.50	EPA 524.2			11/2/17 17:46	DD	A
1,1-Dichloroethene	ND		ug/L	0.50	EPA 524.2			11/2/17 17:46	DD	A
cis-1,2-Dichloroethene	ND		ug/L	0.50	EPA 524.2			11/2/17 17:46	DD	A
trans-1,2-Dichloroethene	ND		ug/L	0.50	EPA 524.2			11/2/17 17:46	DD	A
1,3-Dichloropropane	ND		ug/L	0.50	EPA 524.2			11/2/17 17:46	DD	A
2,2-Dichloropropane	ND		ug/L	0.50	EPA 524.2			11/2/17 17:46	DD	A
1,2-Dichloropropane	ND		ug/L	0.50	EPA 524.2			11/2/17 17:46	DD	A
1,1-Dichloropropene	ND		ug/L	0.50	EPA 524.2			11/2/17 17:46	DD	A
1,3-Dichloropropene, Total	ND		ug/L	1.0	EPA 524.2			11/2/17 17:46	DD	A
Ethylbenzene	ND		ug/L	0.50	EPA 524.2			11/2/17 17:46	DD	A
Methylene Chloride	ND		ug/L	0.50	EPA 524.2			11/2/17 17:46	DD	A
Styrene	ND		ug/L	0.50	EPA 524.2			11/2/17 17:46	DD	A
1,1,1,2-Tetrachloroethane	ND		ug/L	0.50	EPA 524.2			11/2/17 17:46	DD	A
1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	EPA 524.2			11/2/17 17:46	DD	A
Tetrachloroethene	1.7		ug/L	0.50	EPA 524.2			11/2/17 17:46	DD	A
Toluene	ND		ug/L	0.50	EPA 524.2			11/2/17 17:46	DD	A
Total Xylenes	ND		ug/L	0.50	EPA 524.2			11/2/17 17:46	DD	A
1,2,4-Trichlorobenzene	ND		ug/L	0.50	EPA 524.2			11/2/17 17:46	DD	A
1,1,1-Trichloroethane	ND		ug/L	0.50	EPA 524.2			11/2/17 17:46	DD	A

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1,1,2-Trichloroethane	ND		ug/L	0.50	EPA 524.2			11/2/17 17:46	DD	A
Trichloroethene	ND		ug/L	0.50	EPA 524.2			11/2/17 17:46	DD	A
1,2,3-Trichloropropane	ND		ug/L	0.50	EPA 524.2			11/2/17 17:46	DD	A
Vinyl Chloride	ND		ug/L	0.50	EPA 524.2			11/2/17 17:46	DD	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichlorobenzene-d4 (S)	81.2		%	70 - 130	EPA 524.2			11/2/17 17:46	DD	A
4-Bromofluorobenzene (S)	87.1		%	70 - 130	EPA 524.2			11/2/17 17:46	DD	A



Ms. Amy K Borden

Project Coordinator

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ANALYTICAL RESULTS

Workorder: 2275931 Kutztown Well & Water Project

Lab ID: **2275931001**
Sample ID: **Kutztown Discharge**

Date Collected: 11/9/2017 12:42 Matrix: Water
Date Received: 11/10/2017 16:30

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	0.50	EPA 524.2			11/15/17 19:47	DD	A
Bromobenzene	ND		ug/L	0.50	EPA 524.2			11/15/17 19:47	DD	A
Bromodichloromethane	ND		ug/L	0.50	EPA 524.2			11/15/17 19:47	DD	A
Bromoform	ND		ug/L	0.50	EPA 524.2			11/15/17 19:47	DD	A
Bromomethane	ND		ug/L	0.50	EPA 524.2			11/15/17 19:47	DD	A
Carbon Tetrachloride	ND		ug/L	0.50	EPA 524.2			11/15/17 19:47	DD	A
Chlorobenzene	ND		ug/L	0.50	EPA 524.2			11/15/17 19:47	DD	A
Chlorodibromomethane	ND		ug/L	0.50	EPA 524.2			11/15/17 19:47	DD	A
Chloroethane	ND		ug/L	0.50	EPA 524.2			11/15/17 19:47	DD	A
Chloroform	ND		ug/L	0.50	EPA 524.2			11/15/17 19:47	DD	A
Chloromethane	ND		ug/L	0.50	EPA 524.2			11/15/17 19:47	DD	A
o-Chlorotoluene	ND		ug/L	0.50	EPA 524.2			11/15/17 19:47	DD	A
p-Chlorotoluene	ND		ug/L	0.50	EPA 524.2			11/15/17 19:47	DD	A
Dibromomethane	ND		ug/L	0.50	EPA 524.2			11/15/17 19:47	DD	A
1,2-Dichlorobenzene	ND		ug/L	0.50	EPA 524.2			11/15/17 19:47	DD	A
1,3-Dichlorobenzene	ND		ug/L	0.50	EPA 524.2			11/15/17 19:47	DD	A
1,4-Dichlorobenzene	ND		ug/L	0.50	EPA 524.2			11/15/17 19:47	DD	A
1,1-Dichloroethane	ND		ug/L	0.50	EPA 524.2			11/15/17 19:47	DD	A
1,2-Dichloroethane	ND		ug/L	0.50	EPA 524.2			11/15/17 19:47	DD	A
1,1-Dichloroethene	ND		ug/L	0.50	EPA 524.2			11/15/17 19:47	DD	A
cis-1,2-Dichloroethene	ND		ug/L	0.50	EPA 524.2			11/15/17 19:47	DD	A
trans-1,2-Dichloroethene	ND		ug/L	0.50	EPA 524.2			11/15/17 19:47	DD	A
1,3-Dichloropropane	ND		ug/L	0.50	EPA 524.2			11/15/17 19:47	DD	A
2,2-Dichloropropane	ND		ug/L	0.50	EPA 524.2			11/15/17 19:47	DD	A
1,2-Dichloropropane	ND		ug/L	0.50	EPA 524.2			11/15/17 19:47	DD	A
1,1-Dichloropropene	ND		ug/L	0.50	EPA 524.2			11/15/17 19:47	DD	A
1,3-Dichloropropene, Total	ND		ug/L	1.0	EPA 524.2			11/15/17 19:47	DD	A
Ethylbenzene	ND		ug/L	0.50	EPA 524.2			11/15/17 19:47	DD	A
Methylene Chloride	ND		ug/L	0.50	EPA 524.2			11/15/17 19:47	DD	A
Styrene	ND		ug/L	0.50	EPA 524.2			11/15/17 19:47	DD	A
1,1,1,2-Tetrachloroethane	ND		ug/L	0.50	EPA 524.2			11/15/17 19:47	DD	A
1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	EPA 524.2			11/15/17 19:47	DD	A
Tetrachloroethene	2.7		ug/L	0.50	EPA 524.2			11/15/17 19:47	DD	A
Toluene	ND		ug/L	0.50	EPA 524.2			11/15/17 19:47	DD	A
Total Xylenes	ND		ug/L	0.50	EPA 524.2			11/15/17 19:47	DD	A
1,2,4-Trichlorobenzene	ND		ug/L	0.50	EPA 524.2			11/15/17 19:47	DD	A
1,1,1-Trichloroethane	ND		ug/L	0.50	EPA 524.2			11/15/17 19:47	DD	A

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1,1,2-Trichloroethane	ND		ug/L	0.50	EPA 524.2			11/15/17 19:47	DD	A
Trichloroethene	ND		ug/L	0.50	EPA 524.2			11/15/17 19:47	DD	A
1,2,3-Trichloropropane	ND		ug/L	0.50	EPA 524.2			11/15/17 19:47	DD	A
Vinyl Chloride	ND		ug/L	0.50	EPA 524.2			11/15/17 19:47	DD	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichlorobenzene-d4 (S)	101		%	70 - 130	EPA 524.2			11/15/17 19:47	DD	A
4-Bromofluorobenzene (S)	97.7		%	70 - 130	EPA 524.2			11/15/17 19:47	DD	A



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