

ANALYTICAL RESULTS

Workorder: 2219120 Kutztown Well and Water Proj.

Lab ID: 2219120001 **Date Collected:** 3/30/2017 14:40 **Matrix:** Water
Sample ID: Kutztown Discharge **Date Received:** 3/31/2017 18:20

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	0.50	EPA 524.2			4/3/17 13:48	DD	A
Bromobenzene	ND		ug/L	0.50	EPA 524.2			4/3/17 13:48	DD	A
Bromodichloromethane	ND		ug/L	0.50	EPA 524.2			4/3/17 13:48	DD	A
Bromoform	ND		ug/L	0.50	EPA 524.2			4/3/17 13:48	DD	A
Bromomethane	ND		ug/L	0.50	EPA 524.2			4/3/17 13:48	DD	A
Carbon Tetrachloride	ND		ug/L	0.50	EPA 524.2			4/3/17 13:48	DD	A
Chlorobenzene	ND		ug/L	0.50	EPA 524.2			4/3/17 13:48	DD	A
Chlorodibromomethane	ND		ug/L	0.50	EPA 524.2			4/3/17 13:48	DD	A
Chloroethane	ND		ug/L	0.50	EPA 524.2			4/3/17 13:48	DD	A
Chloroform	ND		ug/L	0.50	EPA 524.2			4/3/17 13:48	DD	A
Chloromethane	ND		ug/L	0.50	EPA 524.2			4/3/17 13:48	DD	A
o-Chlorotoluene	ND		ug/L	0.50	EPA 524.2			4/3/17 13:48	DD	A
p-Chlorotoluene	ND		ug/L	0.50	EPA 524.2			4/3/17 13:48	DD	A
Dibromomethane	ND		ug/L	0.50	EPA 524.2			4/3/17 13:48	DD	A
1,2-Dichlorobenzene	ND		ug/L	0.50	EPA 524.2			4/3/17 13:48	DD	A
1,3-Dichlorobenzene	ND		ug/L	0.50	EPA 524.2			4/3/17 13:48	DD	A
1,4-Dichlorobenzene	ND		ug/L	0.50	EPA 524.2			4/3/17 13:48	DD	A
1,1-Dichloroethane	ND		ug/L	0.50	EPA 524.2			4/3/17 13:48	DD	A
1,2-Dichloroethane	ND		ug/L	0.50	EPA 524.2			4/3/17 13:48	DD	A
1,1-Dichloroethene	ND		ug/L	0.50	EPA 524.2			4/3/17 13:48	DD	A
cis-1,2-Dichloroethene	ND		ug/L	0.50	EPA 524.2			4/3/17 13:48	DD	A
trans-1,2-Dichloroethene	ND		ug/L	0.50	EPA 524.2			4/3/17 13:48	DD	A
1,3-Dichloropropane	ND		ug/L	0.50	EPA 524.2			4/3/17 13:48	DD	A
2,2-Dichloropropane	ND		ug/L	0.50	EPA 524.2			4/3/17 13:48	DD	A
1,2-Dichloropropane	ND		ug/L	0.50	EPA 524.2			4/3/17 13:48	DD	A
1,1-Dichloropropene	ND		ug/L	0.50	EPA 524.2			4/3/17 13:48	DD	A
1,3-Dichloropropene, Total	ND		ug/L	1.0	EPA 524.2			4/3/17 13:48	DD	A
Ethylbenzene	ND		ug/L	0.50	EPA 524.2			4/3/17 13:48	DD	A
Methylene Chloride	ND		ug/L	0.50	EPA 524.2			4/3/17 13:48	DD	A
Styrene	ND		ug/L	0.50	EPA 524.2			4/3/17 13:48	DD	A
1,1,1,2-Tetrachloroethane	ND		ug/L	0.50	EPA 524.2			4/3/17 13:48	DD	A
1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	EPA 524.2			4/3/17 13:48	DD	A
Tetrachloroethene	0.95		ug/L	0.50	EPA 524.2			4/3/17 13:48	DD	A
Toluene	ND		ug/L	0.50	EPA 524.2			4/3/17 13:48	DD	A
Total Xylenes	ND		ug/L	0.50	EPA 524.2			4/3/17 13:48	DD	A
1,2,4-Trichlorobenzene	ND		ug/L	0.50	EPA 524.2			4/3/17 13:48	DD	A
1,1,1-Trichloroethane	ND		ug/L	0.50	EPA 524.2			4/3/17 13:48	DD	A

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ANALYTICAL RESULTS

Workorder: 2219120 Kutztown Well and Water Proj.

Lab ID: **2219120001**
Sample ID: **Kutztown Discharge**

Date Collected: 3/30/2017 14:40 Matrix: Water
Date Received: 3/31/2017 18:20

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
1,1,2-Trichloroethane	ND		ug/L	0.50	EPA 524.2			4/3/17 13:48	DD	A
Trichloroethene	ND		ug/L	0.50	EPA 524.2			4/3/17 13:48	DD	A
1,2,3-Trichloropropane	ND		ug/L	0.50	EPA 524.2			4/3/17 13:48	DD	A
Vinyl Chloride	ND		ug/L	0.50	EPA 524.2			4/3/17 13:48	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)	103		%	70 - 130	EPA 524.2			4/3/17 13:48	DD	A
4-Bromofluorobenzene (S)	94.4		%	70 - 130	EPA 524.2			4/3/17 13:48	DD	A
WET CHEMISTRY										
pH	8.39	1	pH_Units		S4500HB-00			4/3/17 19:18	MSA	
Total Dissolved Solids	283		mg/L	5	S2540C-11			4/5/17 19:24	JAS	D
Total Suspended Solids	ND		mg/L	5	S2540D-11			4/4/17 11:25	C_D	



Ms. Amy K Borden
Project Coordinator

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ANALYTICAL RESULTS

Workorder: 2219120 Kutztown Well and Water Proj.

Lab ID: 2219120002 **Date Collected:** 3/30/2017 12:13 **Matrix:** Water
Sample ID: Kutztown Sump **Date Received:** 3/31/2017 18:20

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	0.50	EPA 524.2			4/3/17 14:13	DD	A
Bromobenzene	ND		ug/L	0.50	EPA 524.2			4/3/17 14:13	DD	A
Bromodichloromethane	ND		ug/L	0.50	EPA 524.2			4/3/17 14:13	DD	A
Bromoform	ND		ug/L	0.50	EPA 524.2			4/3/17 14:13	DD	A
Bromomethane	ND		ug/L	0.50	EPA 524.2			4/3/17 14:13	DD	A
Carbon Tetrachloride	ND		ug/L	0.50	EPA 524.2			4/3/17 14:13	DD	A
Chlorobenzene	ND		ug/L	0.50	EPA 524.2			4/3/17 14:13	DD	A
Chlorodibromomethane	ND		ug/L	0.50	EPA 524.2			4/3/17 14:13	DD	A
Chloroethane	ND		ug/L	0.50	EPA 524.2			4/3/17 14:13	DD	A
Chloroform	ND		ug/L	0.50	EPA 524.2			4/3/17 14:13	DD	A
Chloromethane	ND		ug/L	0.50	EPA 524.2			4/3/17 14:13	DD	A
o-Chlorotoluene	ND		ug/L	0.50	EPA 524.2			4/3/17 14:13	DD	A
p-Chlorotoluene	ND		ug/L	0.50	EPA 524.2			4/3/17 14:13	DD	A
Dibromomethane	ND		ug/L	0.50	EPA 524.2			4/3/17 14:13	DD	A
1,2-Dichlorobenzene	ND		ug/L	0.50	EPA 524.2			4/3/17 14:13	DD	A
1,3-Dichlorobenzene	ND		ug/L	0.50	EPA 524.2			4/3/17 14:13	DD	A
1,4-Dichlorobenzene	ND		ug/L	0.50	EPA 524.2			4/3/17 14:13	DD	A
1,1-Dichloroethane	ND		ug/L	0.50	EPA 524.2			4/3/17 14:13	DD	A
1,2-Dichloroethane	ND		ug/L	0.50	EPA 524.2			4/3/17 14:13	DD	A
1,1-Dichloroethene	ND		ug/L	0.50	EPA 524.2			4/3/17 14:13	DD	A
cis-1,2-Dichloroethene	ND		ug/L	0.50	EPA 524.2			4/3/17 14:13	DD	A
trans-1,2-Dichloroethene	ND		ug/L	0.50	EPA 524.2			4/3/17 14:13	DD	A
1,3-Dichloropropane	ND		ug/L	0.50	EPA 524.2			4/3/17 14:13	DD	A
2,2-Dichloropropane	ND		ug/L	0.50	EPA 524.2			4/3/17 14:13	DD	A
1,2-Dichloropropane	ND		ug/L	0.50	EPA 524.2			4/3/17 14:13	DD	A
1,1-Dichloropropene	ND		ug/L	0.50	EPA 524.2			4/3/17 14:13	DD	A
1,3-Dichloropropene, Total	ND		ug/L	1.0	EPA 524.2			4/3/17 14:13	DD	A
Ethylbenzene	ND		ug/L	0.50	EPA 524.2			4/3/17 14:13	DD	A
Methylene Chloride	ND		ug/L	0.50	EPA 524.2			4/3/17 14:13	DD	A
Styrene	ND		ug/L	0.50	EPA 524.2			4/3/17 14:13	DD	A
1,1,1,2-Tetrachloroethane	ND		ug/L	0.50	EPA 524.2			4/3/17 14:13	DD	A
1,1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	EPA 524.2			4/3/17 14:13	DD	A
Tetrachloroethene	1.0		ug/L	0.50	EPA 524.2			4/3/17 14:13	DD	A
Toluene	ND		ug/L	0.50	EPA 524.2			4/3/17 14:13	DD	A
Total Xylenes	ND		ug/L	0.50	EPA 524.2			4/3/17 14:13	DD	A
1,2,4-Trichlorobenzene	ND		ug/L	0.50	EPA 524.2			4/3/17 14:13	DD	A
1,1,1-Trichloroethane	ND		ug/L	0.50	EPA 524.2			4/3/17 14:13	DD	A

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ANALYTICAL RESULTS

Workorder: 2219120 Kutztown Well and Water Proj.

Lab ID: **2219120002** Date Collected: 3/30/2017 12:13 Matrix: Water
Sample ID: **Kutztown Sump** Date Received: 3/31/2017 18:20

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
1,1,2-Trichloroethane	ND		ug/L	0.50	EPA 524.2			4/3/17 14:13	DD	A
Trichloroethene	ND		ug/L	0.50	EPA 524.2			4/3/17 14:13	DD	A
1,2,3-Trichloropropane	ND		ug/L	0.50	EPA 524.2			4/3/17 14:13	DD	A
Vinyl Chloride	ND		ug/L	0.50	EPA 524.2			4/3/17 14:13	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)	99.9		%	70 - 130	EPA 524.2			4/3/17 14:13	DD	A
4-Bromofluorobenzene (S)	94		%	70 - 130	EPA 524.2			4/3/17 14:13	DD	A



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ANALYTICAL RESULTS

Workorder: 2219121 Kutztown Well and Water Proj.

Lab ID: 2219121001 **Date Collected:** 3/30/2017 12:01 **Matrix:** Water
Sample ID: Well #2-Kutztown **Date Received:** 3/31/2017 18:20

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	0.50	EPA 524.2			4/3/17 14:37	DD	A
Bromobenzene	ND		ug/L	0.50	EPA 524.2			4/3/17 14:37	DD	A
Bromodichloromethane	ND		ug/L	0.50	EPA 524.2			4/3/17 14:37	DD	A
Bromoform	ND		ug/L	0.50	EPA 524.2			4/3/17 14:37	DD	A
Bromomethane	ND		ug/L	0.50	EPA 524.2			4/3/17 14:37	DD	A
Carbon Tetrachloride	ND		ug/L	0.50	EPA 524.2			4/3/17 14:37	DD	A
Chlorobenzene	ND		ug/L	0.50	EPA 524.2			4/3/17 14:37	DD	A
Chlorodibromomethane	ND		ug/L	0.50	EPA 524.2			4/3/17 14:37	DD	A
Chloroethane	ND		ug/L	0.50	EPA 524.2			4/3/17 14:37	DD	A
Chloroform	ND		ug/L	0.50	EPA 524.2			4/3/17 14:37	DD	A
Chloromethane	ND		ug/L	0.50	EPA 524.2			4/3/17 14:37	DD	A
o-Chlorotoluene	ND		ug/L	0.50	EPA 524.2			4/3/17 14:37	DD	A
p-Chlorotoluene	ND		ug/L	0.50	EPA 524.2			4/3/17 14:37	DD	A
Dibromomethane	ND		ug/L	0.50	EPA 524.2			4/3/17 14:37	DD	A
1,2-Dichlorobenzene	ND		ug/L	0.50	EPA 524.2			4/3/17 14:37	DD	A
1,3-Dichlorobenzene	ND		ug/L	0.50	EPA 524.2			4/3/17 14:37	DD	A
1,4-Dichlorobenzene	ND		ug/L	0.50	EPA 524.2			4/3/17 14:37	DD	A
1,1-Dichloroethane	ND		ug/L	0.50	EPA 524.2			4/3/17 14:37	DD	A
1,2-Dichloroethane	ND		ug/L	0.50	EPA 524.2			4/3/17 14:37	DD	A
1,1-Dichloroethene	ND		ug/L	0.50	EPA 524.2			4/3/17 14:37	DD	A
cis-1,2-Dichloroethene	ND		ug/L	0.50	EPA 524.2			4/3/17 14:37	DD	A
trans-1,2-Dichloroethene	ND		ug/L	0.50	EPA 524.2			4/3/17 14:37	DD	A
1,3-Dichloropropane	ND		ug/L	0.50	EPA 524.2			4/3/17 14:37	DD	A
2,2-Dichloropropane	ND		ug/L	0.50	EPA 524.2			4/3/17 14:37	DD	A
1,2-Dichloropropane	ND		ug/L	0.50	EPA 524.2			4/3/17 14:37	DD	A
1,1-Dichloropropene	ND		ug/L	0.50	EPA 524.2			4/3/17 14:37	DD	A
1,3-Dichloropropene, Total	ND		ug/L	1.0	EPA 524.2			4/3/17 14:37	DD	A
Ethylbenzene	ND		ug/L	0.50	EPA 524.2			4/3/17 14:37	DD	A
Methylene Chloride	ND		ug/L	0.50	EPA 524.2			4/3/17 14:37	DD	A
Styrene	ND		ug/L	0.50	EPA 524.2			4/3/17 14:37	DD	A
1,1,1,2-Tetrachloroethane	ND		ug/L	0.50	EPA 524.2			4/3/17 14:37	DD	A
1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	EPA 524.2			4/3/17 14:37	DD	A
Tetrachloroethene	0.93		ug/L	0.50	EPA 524.2			4/3/17 14:37	DD	A
Toluene	ND		ug/L	0.50	EPA 524.2			4/3/17 14:37	DD	A
Total Xylenes	ND		ug/L	0.50	EPA 524.2			4/3/17 14:37	DD	A
1,2,4-Trichlorobenzene	ND		ug/L	0.50	EPA 524.2			4/3/17 14:37	DD	A
1,1,1-Trichloroethane	ND		ug/L	0.50	EPA 524.2			4/3/17 14:37	DD	A

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ANALYTICAL RESULTS

Workorder: 2219121 Kutztown Well and Water Proj.

Lab ID: **2219121001**
Sample ID: **Well #2-Kutztown**

Date Collected: 3/30/2017 12:01 Matrix: Water
Date Received: 3/31/2017 18:20

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
1,1,2-Trichloroethane	ND		ug/L	0.50	EPA 524.2			4/3/17 14:37	DD	A
Trichloroethene	ND		ug/L	0.50	EPA 524.2			4/3/17 14:37	DD	A
1,2,3-Trichloropropane	ND		ug/L	0.50	EPA 524.2			4/3/17 14:37	DD	A
Vinyl Chloride	ND		ug/L	0.50	EPA 524.2			4/3/17 14:37	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)	111		%	70 - 130	EPA 524.2			4/3/17 14:37	DD	A
4-Bromofluorobenzene (S)	98.6		%	70 - 130	EPA 524.2			4/3/17 14:37	DD	A



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ANALYTICAL RESULTS

Workorder: 2219121 Kutztown Well and Water Proj.

Lab ID: **2219121002** Date Collected: 3/30/2017 12:30 Matrix: Water
Sample ID: **Well #5-Kutztown** Date Received: 3/31/2017 18:20

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	0.50	EPA 524.2			4/3/17 15:01	DD	A
Bromobenzene	ND		ug/L	0.50	EPA 524.2			4/3/17 15:01	DD	A
Bromodichloromethane	ND		ug/L	0.50	EPA 524.2			4/3/17 15:01	DD	A
Bromoform	ND		ug/L	0.50	EPA 524.2			4/3/17 15:01	DD	A
Bromomethane	ND		ug/L	0.50	EPA 524.2			4/3/17 15:01	DD	A
Carbon Tetrachloride	ND		ug/L	0.50	EPA 524.2			4/3/17 15:01	DD	A
Chlorobenzene	ND		ug/L	0.50	EPA 524.2			4/3/17 15:01	DD	A
Chlorodibromomethane	ND		ug/L	0.50	EPA 524.2			4/3/17 15:01	DD	A
Chloroethane	ND		ug/L	0.50	EPA 524.2			4/3/17 15:01	DD	A
Chloroform	ND		ug/L	0.50	EPA 524.2			4/3/17 15:01	DD	A
Chloromethane	ND		ug/L	0.50	EPA 524.2			4/3/17 15:01	DD	A
o-Chlorotoluene	ND		ug/L	0.50	EPA 524.2			4/3/17 15:01	DD	A
p-Chlorotoluene	ND		ug/L	0.50	EPA 524.2			4/3/17 15:01	DD	A
Dibromomethane	ND		ug/L	0.50	EPA 524.2			4/3/17 15:01	DD	A
1,2-Dichlorobenzene	ND		ug/L	0.50	EPA 524.2			4/3/17 15:01	DD	A
1,3-Dichlorobenzene	ND		ug/L	0.50	EPA 524.2			4/3/17 15:01	DD	A
1,4-Dichlorobenzene	ND		ug/L	0.50	EPA 524.2			4/3/17 15:01	DD	A
1,1-Dichloroethane	ND		ug/L	0.50	EPA 524.2			4/3/17 15:01	DD	A
1,2-Dichloroethane	ND		ug/L	0.50	EPA 524.2			4/3/17 15:01	DD	A
1,1-Dichloroethene	ND		ug/L	0.50	EPA 524.2			4/3/17 15:01	DD	A
cis-1,2-Dichloroethene	ND		ug/L	0.50	EPA 524.2			4/3/17 15:01	DD	A
trans-1,2-Dichloroethene	ND		ug/L	0.50	EPA 524.2			4/3/17 15:01	DD	A
1,3-Dichloropropane	ND		ug/L	0.50	EPA 524.2			4/3/17 15:01	DD	A
2,2-Dichloropropane	ND		ug/L	0.50	EPA 524.2			4/3/17 15:01	DD	A
1,2-Dichloropropane	ND		ug/L	0.50	EPA 524.2			4/3/17 15:01	DD	A
1,1-Dichloropropene	ND		ug/L	0.50	EPA 524.2			4/3/17 15:01	DD	A
1,3-Dichloropropene, Total	ND		ug/L	1.0	EPA 524.2			4/3/17 15:01	DD	A
Ethylbenzene	ND		ug/L	0.50	EPA 524.2			4/3/17 15:01	DD	A
Methylene Chloride	ND		ug/L	0.50	EPA 524.2			4/3/17 15:01	DD	A
Styrene	ND		ug/L	0.50	EPA 524.2			4/3/17 15:01	DD	A
1,1,1,2-Tetrachloroethane	ND		ug/L	0.50	EPA 524.2			4/3/17 15:01	DD	A
1,1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	EPA 524.2			4/3/17 15:01	DD	A
Tetrachloroethene	ND		ug/L	0.50	EPA 524.2			4/3/17 15:01	DD	A
Toluene	ND		ug/L	0.50	EPA 524.2			4/3/17 15:01	DD	A
Total Xylenes	ND		ug/L	0.50	EPA 524.2			4/3/17 15:01	DD	A
1,2,4-Trichlorobenzene	ND		ug/L	0.50	EPA 524.2			4/3/17 15:01	DD	A
1,1,1-Trichloroethane	ND		ug/L	0.50	EPA 524.2			4/3/17 15:01	DD	A

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ANALYTICAL RESULTS

Workorder: 2219121 Kutztown Well and Water Proj.

Lab ID: **2219121002** Date Collected: 3/30/2017 12:30 Matrix: Water
Sample ID: **Well #5-Kutztown** Date Received: 3/31/2017 18:20

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
1,1,2-Trichloroethane	ND		ug/L	0.50	EPA 524.2			4/3/17 15:01	DD	A
Trichloroethene	ND		ug/L	0.50	EPA 524.2			4/3/17 15:01	DD	A
1,2,3-Trichloropropane	ND		ug/L	0.50	EPA 524.2			4/3/17 15:01	DD	A
Vinyl Chloride	ND		ug/L	0.50	EPA 524.2			4/3/17 15:01	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)	104		%	70 - 130	EPA 524.2			4/3/17 15:01	DD	A
4-Bromofluorobenzene (S)	94.5		%	70 - 130	EPA 524.2			4/3/17 15:01	DD	A



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ANALYTICAL RESULTS

Workorder: 2219121 Kutztown Well and Water Proj.

Lab ID: 2219121003 **Date Collected:** 3/30/2017 14:30 **Matrix:** Water
Sample ID: Well #6-Kutztown **Date Received:** 3/31/2017 18:20

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	0.50	EPA 524.2			4/3/17 15:25	DD	A
Bromobenzene	ND		ug/L	0.50	EPA 524.2			4/3/17 15:25	DD	A
Bromodichloromethane	ND		ug/L	0.50	EPA 524.2			4/3/17 15:25	DD	A
Bromoform	ND		ug/L	0.50	EPA 524.2			4/3/17 15:25	DD	A
Bromomethane	ND		ug/L	0.50	EPA 524.2			4/3/17 15:25	DD	A
Carbon Tetrachloride	ND		ug/L	0.50	EPA 524.2			4/3/17 15:25	DD	A
Chlorobenzene	ND		ug/L	0.50	EPA 524.2			4/3/17 15:25	DD	A
Chlorodibromomethane	ND		ug/L	0.50	EPA 524.2			4/3/17 15:25	DD	A
Chloroethane	ND		ug/L	0.50	EPA 524.2			4/3/17 15:25	DD	A
Chloroform	ND		ug/L	0.50	EPA 524.2			4/3/17 15:25	DD	A
Chloromethane	ND		ug/L	0.50	EPA 524.2			4/3/17 15:25	DD	A
o-Chlorotoluene	ND		ug/L	0.50	EPA 524.2			4/3/17 15:25	DD	A
p-Chlorotoluene	ND		ug/L	0.50	EPA 524.2			4/3/17 15:25	DD	A
Dibromomethane	ND		ug/L	0.50	EPA 524.2			4/3/17 15:25	DD	A
1,2-Dichlorobenzene	ND		ug/L	0.50	EPA 524.2			4/3/17 15:25	DD	A
1,3-Dichlorobenzene	ND		ug/L	0.50	EPA 524.2			4/3/17 15:25	DD	A
1,4-Dichlorobenzene	ND		ug/L	0.50	EPA 524.2			4/3/17 15:25	DD	A
1,1-Dichloroethane	ND		ug/L	0.50	EPA 524.2			4/3/17 15:25	DD	A
1,2-Dichloroethane	ND		ug/L	0.50	EPA 524.2			4/3/17 15:25	DD	A
1,1-Dichloroethene	ND		ug/L	0.50	EPA 524.2			4/3/17 15:25	DD	A
cis-1,2-Dichloroethene	ND		ug/L	0.50	EPA 524.2			4/3/17 15:25	DD	A
trans-1,2-Dichloroethene	ND		ug/L	0.50	EPA 524.2			4/3/17 15:25	DD	A
1,3-Dichloropropane	ND		ug/L	0.50	EPA 524.2			4/3/17 15:25	DD	A
2,2-Dichloropropane	ND		ug/L	0.50	EPA 524.2			4/3/17 15:25	DD	A
1,2-Dichloropropane	ND		ug/L	0.50	EPA 524.2			4/3/17 15:25	DD	A
1,1-Dichloropropene	ND		ug/L	0.50	EPA 524.2			4/3/17 15:25	DD	A
1,3-Dichloropropene, Total	ND		ug/L	1.0	EPA 524.2			4/3/17 15:25	DD	A
Ethylbenzene	ND		ug/L	0.50	EPA 524.2			4/3/17 15:25	DD	A
Methylene Chloride	ND		ug/L	0.50	EPA 524.2			4/3/17 15:25	DD	A
Styrene	ND		ug/L	0.50	EPA 524.2			4/3/17 15:25	DD	A
1,1,1,2-Tetrachloroethane	ND		ug/L	0.50	EPA 524.2			4/3/17 15:25	DD	A
1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	EPA 524.2			4/3/17 15:25	DD	A
Tetrachloroethene	ND		ug/L	0.50	EPA 524.2			4/3/17 15:25	DD	A
Toluene	ND		ug/L	0.50	EPA 524.2			4/3/17 15:25	DD	A
Total Xylenes	ND		ug/L	0.50	EPA 524.2			4/3/17 15:25	DD	A
1,2,4-Trichlorobenzene	ND		ug/L	0.50	EPA 524.2			4/3/17 15:25	DD	A
1,1,1-Trichloroethane	ND		ug/L	0.50	EPA 524.2			4/3/17 15:25	DD	A

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ANALYTICAL RESULTS

Workorder: 2219121 Kutztown Well and Water Proj.

Lab ID: **2219121003** Date Collected: 3/30/2017 14:30 Matrix: Water
Sample ID: **Well #6-Kutztown** Date Received: 3/31/2017 18:20

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
1,1,2-Trichloroethane	ND		ug/L	0.50	EPA 524.2			4/3/17 15:25	DD	A
Trichloroethene	ND		ug/L	0.50	EPA 524.2			4/3/17 15:25	DD	A
1,2,3-Trichloropropane	ND		ug/L	0.50	EPA 524.2			4/3/17 15:25	DD	A
Vinyl Chloride	ND		ug/L	0.50	EPA 524.2			4/3/17 15:25	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)	106		%	70 - 130	EPA 524.2			4/3/17 15:25	DD	A
4-Bromofluorobenzene (S)	97.8		%	70 - 130	EPA 524.2			4/3/17 15:25	DD	A



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ANALYTICAL RESULTS

Workorder: 2219121 Kutztown Well and Water Proj.

 Lab ID: **2219121004** Date Collected: 3/30/2017 11:40 Matrix: Water
 Sample ID: **Well #7-Kutztown** Date Received: 3/31/2017 18:20

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	0.50	EPA 524.2			4/3/17 15:49	DD	A
Bromobenzene	ND		ug/L	0.50	EPA 524.2			4/3/17 15:49	DD	A
Bromodichloromethane	ND		ug/L	0.50	EPA 524.2			4/3/17 15:49	DD	A
Bromoform	ND		ug/L	0.50	EPA 524.2			4/3/17 15:49	DD	A
Bromomethane	ND		ug/L	0.50	EPA 524.2			4/3/17 15:49	DD	A
Carbon Tetrachloride	ND		ug/L	0.50	EPA 524.2			4/3/17 15:49	DD	A
Chlorobenzene	ND		ug/L	0.50	EPA 524.2			4/3/17 15:49	DD	A
Chlorodibromomethane	ND		ug/L	0.50	EPA 524.2			4/3/17 15:49	DD	A
Chloroethane	ND		ug/L	0.50	EPA 524.2			4/3/17 15:49	DD	A
Chloroform	ND		ug/L	0.50	EPA 524.2			4/3/17 15:49	DD	A
Chloromethane	ND		ug/L	0.50	EPA 524.2			4/3/17 15:49	DD	A
o-Chlorotoluene	ND		ug/L	0.50	EPA 524.2			4/3/17 15:49	DD	A
p-Chlorotoluene	ND		ug/L	0.50	EPA 524.2			4/3/17 15:49	DD	A
Dibromomethane	ND		ug/L	0.50	EPA 524.2			4/3/17 15:49	DD	A
1,2-Dichlorobenzene	ND		ug/L	0.50	EPA 524.2			4/3/17 15:49	DD	A
1,3-Dichlorobenzene	ND		ug/L	0.50	EPA 524.2			4/3/17 15:49	DD	A
1,4-Dichlorobenzene	ND		ug/L	0.50	EPA 524.2			4/3/17 15:49	DD	A
1,1-Dichloroethane	ND		ug/L	0.50	EPA 524.2			4/3/17 15:49	DD	A
1,2-Dichloroethane	ND		ug/L	0.50	EPA 524.2			4/3/17 15:49	DD	A
1,1-Dichloroethene	ND		ug/L	0.50	EPA 524.2			4/3/17 15:49	DD	A
cis-1,2-Dichloroethene	ND		ug/L	0.50	EPA 524.2			4/3/17 15:49	DD	A
trans-1,2-Dichloroethene	ND		ug/L	0.50	EPA 524.2			4/3/17 15:49	DD	A
1,3-Dichloropropane	ND		ug/L	0.50	EPA 524.2			4/3/17 15:49	DD	A
2,2-Dichloropropane	ND		ug/L	0.50	EPA 524.2			4/3/17 15:49	DD	A
1,2-Dichloropropane	ND		ug/L	0.50	EPA 524.2			4/3/17 15:49	DD	A
1,1-Dichloropropene	ND		ug/L	0.50	EPA 524.2			4/3/17 15:49	DD	A
1,3-Dichloropropene, Total	ND		ug/L	1.0	EPA 524.2			4/3/17 15:49	DD	A
Ethylbenzene	ND		ug/L	0.50	EPA 524.2			4/3/17 15:49	DD	A
Methylene Chloride	ND		ug/L	0.50	EPA 524.2			4/3/17 15:49	DD	A
Styrene	ND		ug/L	0.50	EPA 524.2			4/3/17 15:49	DD	A
1,1,1,2-Tetrachloroethane	ND		ug/L	0.50	EPA 524.2			4/3/17 15:49	DD	A
1,1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	EPA 524.2			4/3/17 15:49	DD	A
Tetrachloroethene	ND		ug/L	0.50	EPA 524.2			4/3/17 15:49	DD	A
Toluene	ND		ug/L	0.50	EPA 524.2			4/3/17 15:49	DD	A
Total Xylenes	ND		ug/L	0.50	EPA 524.2			4/3/17 15:49	DD	A
1,2,4-Trichlorobenzene	ND		ug/L	0.50	EPA 524.2			4/3/17 15:49	DD	A
1,1,1-Trichloroethane	ND		ug/L	0.50	EPA 524.2			4/3/17 15:49	DD	A

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ANALYTICAL RESULTS

Workorder: 2219121 Kutztown Well and Water Proj.

Lab ID: **2219121004**
Sample ID: **Well #7-Kutztown**

Date Collected: 3/30/2017 11:40 Matrix: Water
Date Received: 3/31/2017 18:20

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
1,1,2-Trichloroethane	ND		ug/L	0.50	EPA 524.2			4/3/17 15:49	DD	A
Trichloroethene	ND		ug/L	0.50	EPA 524.2			4/3/17 15:49	DD	A
1,2,3-Trichloropropane	ND		ug/L	0.50	EPA 524.2			4/3/17 15:49	DD	A
Vinyl Chloride	ND		ug/L	0.50	EPA 524.2			4/3/17 15:49	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)	98.6		%	70 - 130	EPA 524.2			4/3/17 15:49	DD	A
4-Bromofluorobenzene (S)	92		%	70 - 130	EPA 524.2			4/3/17 15:49	DD	A



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ANALYTICAL RESULTS

Workorder: 2219121 Kutztown Well and Water Proj.

Lab ID: **2219121005**
Sample ID: **Well #8-Kutztown**

Date Collected: 3/30/2017 14:57 Matrix: Water
Date Received: 3/31/2017 18:20

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	0.50	EPA 524.2			4/3/17 16:14	DD	A
Bromobenzene	ND		ug/L	0.50	EPA 524.2			4/3/17 16:14	DD	A
Bromodichloromethane	ND		ug/L	0.50	EPA 524.2			4/3/17 16:14	DD	A
Bromoform	ND		ug/L	0.50	EPA 524.2			4/3/17 16:14	DD	A
Bromomethane	ND		ug/L	0.50	EPA 524.2			4/3/17 16:14	DD	A
Carbon Tetrachloride	ND		ug/L	0.50	EPA 524.2			4/3/17 16:14	DD	A
Chlorobenzene	ND		ug/L	0.50	EPA 524.2			4/3/17 16:14	DD	A
Chlorodibromomethane	ND		ug/L	0.50	EPA 524.2			4/3/17 16:14	DD	A
Chloroethane	ND		ug/L	0.50	EPA 524.2			4/3/17 16:14	DD	A
Chloroform	ND		ug/L	0.50	EPA 524.2			4/3/17 16:14	DD	A
Chloromethane	ND		ug/L	0.50	EPA 524.2			4/3/17 16:14	DD	A
o-Chlorotoluene	ND		ug/L	0.50	EPA 524.2			4/3/17 16:14	DD	A
p-Chlorotoluene	ND		ug/L	0.50	EPA 524.2			4/3/17 16:14	DD	A
Dibromomethane	ND		ug/L	0.50	EPA 524.2			4/3/17 16:14	DD	A
1,2-Dichlorobenzene	ND		ug/L	0.50	EPA 524.2			4/3/17 16:14	DD	A
1,3-Dichlorobenzene	ND		ug/L	0.50	EPA 524.2			4/3/17 16:14	DD	A
1,4-Dichlorobenzene	ND		ug/L	0.50	EPA 524.2			4/3/17 16:14	DD	A
1,1-Dichloroethane	ND		ug/L	0.50	EPA 524.2			4/3/17 16:14	DD	A
1,2-Dichloroethane	ND		ug/L	0.50	EPA 524.2			4/3/17 16:14	DD	A
1,1-Dichloroethene	ND		ug/L	0.50	EPA 524.2			4/3/17 16:14	DD	A
cis-1,2-Dichloroethene	ND		ug/L	0.50	EPA 524.2			4/3/17 16:14	DD	A
trans-1,2-Dichloroethene	ND		ug/L	0.50	EPA 524.2			4/3/17 16:14	DD	A
1,3-Dichloropropane	ND		ug/L	0.50	EPA 524.2			4/3/17 16:14	DD	A
2,2-Dichloropropane	ND		ug/L	0.50	EPA 524.2			4/3/17 16:14	DD	A
1,2-Dichloropropane	ND		ug/L	0.50	EPA 524.2			4/3/17 16:14	DD	A
1,1-Dichloropropene	ND		ug/L	0.50	EPA 524.2			4/3/17 16:14	DD	A
1,3-Dichloropropene, Total	ND		ug/L	1.0	EPA 524.2			4/3/17 16:14	DD	A
Ethylbenzene	ND		ug/L	0.50	EPA 524.2			4/3/17 16:14	DD	A
Methylene Chloride	ND		ug/L	0.50	EPA 524.2			4/3/17 16:14	DD	A
Styrene	ND		ug/L	0.50	EPA 524.2			4/3/17 16:14	DD	A
1,1,1,2-Tetrachloroethane	ND		ug/L	0.50	EPA 524.2			4/3/17 16:14	DD	A
1,1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	EPA 524.2			4/3/17 16:14	DD	A
Tetrachloroethene	ND		ug/L	0.50	EPA 524.2			4/3/17 16:14	DD	A
Toluene	ND		ug/L	0.50	EPA 524.2			4/3/17 16:14	DD	A
Total Xylenes	ND		ug/L	0.50	EPA 524.2			4/3/17 16:14	DD	A
1,2,4-Trichlorobenzene	ND		ug/L	0.50	EPA 524.2			4/3/17 16:14	DD	A
1,1,1-Trichloroethane	ND		ug/L	0.50	EPA 524.2			4/3/17 16:14	DD	A

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ANALYTICAL RESULTS

Workorder: 2219121 Kutztown Well and Water Proj.

Lab ID: **2219121005**
Sample ID: **Well #8-Kutztown**

Date Collected: 3/30/2017 14:57 Matrix: Water
Date Received: 3/31/2017 18:20

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
1,1,2-Trichloroethane	ND		ug/L	0.50	EPA 524.2			4/3/17 16:14	DD	A
Trichloroethene	ND		ug/L	0.50	EPA 524.2			4/3/17 16:14	DD	A
1,2,3-Trichloropropane	ND		ug/L	0.50	EPA 524.2			4/3/17 16:14	DD	A
Vinyl Chloride	ND		ug/L	0.50	EPA 524.2			4/3/17 16:14	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)	106		%	70 - 130	EPA 524.2			4/3/17 16:14	DD	A
4-Bromofluorobenzene (S)	95.8		%	70 - 130	EPA 524.2			4/3/17 16:14	DD	A



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ANALYTICAL RESULTS

Workorder: 2219121 Kutztown Well and Water Proj.

Lab ID: 2219121006 **Date Collected:** 3/30/2017 12:55 **Matrix:** Water
Sample ID: Well #9-Kutztown **Date Received:** 3/31/2017 18:20

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	0.50	EPA 524.2			4/3/17 16:38	DD	A
Bromobenzene	ND		ug/L	0.50	EPA 524.2			4/3/17 16:38	DD	A
Bromodichloromethane	ND		ug/L	0.50	EPA 524.2			4/3/17 16:38	DD	A
Bromoform	ND		ug/L	0.50	EPA 524.2			4/3/17 16:38	DD	A
Bromomethane	ND		ug/L	0.50	EPA 524.2			4/3/17 16:38	DD	A
Carbon Tetrachloride	ND		ug/L	0.50	EPA 524.2			4/3/17 16:38	DD	A
Chlorobenzene	ND		ug/L	0.50	EPA 524.2			4/3/17 16:38	DD	A
Chlorodibromomethane	ND		ug/L	0.50	EPA 524.2			4/3/17 16:38	DD	A
Chloroethane	ND		ug/L	0.50	EPA 524.2			4/3/17 16:38	DD	A
Chloroform	ND		ug/L	0.50	EPA 524.2			4/3/17 16:38	DD	A
Chloromethane	ND		ug/L	0.50	EPA 524.2			4/3/17 16:38	DD	A
o-Chlorotoluene	ND		ug/L	0.50	EPA 524.2			4/3/17 16:38	DD	A
p-Chlorotoluene	ND		ug/L	0.50	EPA 524.2			4/3/17 16:38	DD	A
Dibromomethane	ND		ug/L	0.50	EPA 524.2			4/3/17 16:38	DD	A
1,2-Dichlorobenzene	ND		ug/L	0.50	EPA 524.2			4/3/17 16:38	DD	A
1,3-Dichlorobenzene	ND		ug/L	0.50	EPA 524.2			4/3/17 16:38	DD	A
1,4-Dichlorobenzene	ND		ug/L	0.50	EPA 524.2			4/3/17 16:38	DD	A
1,1-Dichloroethane	ND		ug/L	0.50	EPA 524.2			4/3/17 16:38	DD	A
1,2-Dichloroethane	ND		ug/L	0.50	EPA 524.2			4/3/17 16:38	DD	A
1,1-Dichloroethene	ND		ug/L	0.50	EPA 524.2			4/3/17 16:38	DD	A
cis-1,2-Dichloroethene	ND		ug/L	0.50	EPA 524.2			4/3/17 16:38	DD	A
trans-1,2-Dichloroethene	ND		ug/L	0.50	EPA 524.2			4/3/17 16:38	DD	A
1,3-Dichloropropane	ND		ug/L	0.50	EPA 524.2			4/3/17 16:38	DD	A
2,2-Dichloropropane	ND		ug/L	0.50	EPA 524.2			4/3/17 16:38	DD	A
1,2-Dichloropropane	ND		ug/L	0.50	EPA 524.2			4/3/17 16:38	DD	A
1,1-Dichloropropene	ND		ug/L	0.50	EPA 524.2			4/3/17 16:38	DD	A
1,3-Dichloropropene, Total	ND		ug/L	1.0	EPA 524.2			4/3/17 16:38	DD	A
Ethylbenzene	ND		ug/L	0.50	EPA 524.2			4/3/17 16:38	DD	A
Methylene Chloride	ND		ug/L	0.50	EPA 524.2			4/3/17 16:38	DD	A
Styrene	ND		ug/L	0.50	EPA 524.2			4/3/17 16:38	DD	A
1,1,1,2-Tetrachloroethane	ND		ug/L	0.50	EPA 524.2			4/3/17 16:38	DD	A
1,1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	EPA 524.2			4/3/17 16:38	DD	A
Tetrachloroethene	0.97		ug/L	0.50	EPA 524.2			4/3/17 16:38	DD	A
Toluene	ND		ug/L	0.50	EPA 524.2			4/3/17 16:38	DD	A
Total Xylenes	ND		ug/L	0.50	EPA 524.2			4/3/17 16:38	DD	A
1,2,4-Trichlorobenzene	ND		ug/L	0.50	EPA 524.2			4/3/17 16:38	DD	A
1,1,1-Trichloroethane	ND		ug/L	0.50	EPA 524.2			4/3/17 16:38	DD	A

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ANALYTICAL RESULTS

Workorder: 2219121 Kutztown Well and Water Proj.

Lab ID: **2219121006** Date Collected: 3/30/2017 12:55 Matrix: Water
Sample ID: **Well #9-Kutztown** Date Received: 3/31/2017 18:20

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
1,1,2-Trichloroethane	ND		ug/L	0.50	EPA 524.2			4/3/17 16:38	DD	A
Trichloroethene	ND		ug/L	0.50	EPA 524.2			4/3/17 16:38	DD	A
1,2,3-Trichloropropane	ND		ug/L	0.50	EPA 524.2			4/3/17 16:38	DD	A
Vinyl Chloride	ND		ug/L	0.50	EPA 524.2			4/3/17 16:38	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)	95		%	70 - 130	EPA 524.2			4/3/17 16:38	DD	A
4-Bromofluorobenzene (S)	91.1		%	70 - 130	EPA 524.2			4/3/17 16:38	DD	A



Ms. Amy K Borden
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ANALYTICAL RESULTS

Workorder: 2219121 Kutztown Well and Water Proj.

Lab ID: **2219121007**
Sample ID: **Well #10-Kutztown**

Date Collected: 3/30/2017 14:47 Matrix: Water
Date Received: 3/31/2017 18:20

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	0.50	EPA 524.2			4/3/17 17:02	DD	A
Bromobenzene	ND		ug/L	0.50	EPA 524.2			4/3/17 17:02	DD	A
Bromodichloromethane	ND		ug/L	0.50	EPA 524.2			4/3/17 17:02	DD	A
Bromoform	ND		ug/L	0.50	EPA 524.2			4/3/17 17:02	DD	A
Bromomethane	ND		ug/L	0.50	EPA 524.2			4/3/17 17:02	DD	A
Carbon Tetrachloride	ND		ug/L	0.50	EPA 524.2			4/3/17 17:02	DD	A
Chlorobenzene	ND		ug/L	0.50	EPA 524.2			4/3/17 17:02	DD	A
Chlorodibromomethane	ND		ug/L	0.50	EPA 524.2			4/3/17 17:02	DD	A
Chloroethane	ND		ug/L	0.50	EPA 524.2			4/3/17 17:02	DD	A
Chloroform	ND		ug/L	0.50	EPA 524.2			4/3/17 17:02	DD	A
Chloromethane	ND		ug/L	0.50	EPA 524.2			4/3/17 17:02	DD	A
o-Chlorotoluene	ND		ug/L	0.50	EPA 524.2			4/3/17 17:02	DD	A
p-Chlorotoluene	ND		ug/L	0.50	EPA 524.2			4/3/17 17:02	DD	A
Dibromomethane	ND		ug/L	0.50	EPA 524.2			4/3/17 17:02	DD	A
1,2-Dichlorobenzene	ND		ug/L	0.50	EPA 524.2			4/3/17 17:02	DD	A
1,3-Dichlorobenzene	ND		ug/L	0.50	EPA 524.2			4/3/17 17:02	DD	A
1,4-Dichlorobenzene	ND		ug/L	0.50	EPA 524.2			4/3/17 17:02	DD	A
1,1-Dichloroethane	ND		ug/L	0.50	EPA 524.2			4/3/17 17:02	DD	A
1,2-Dichloroethane	ND		ug/L	0.50	EPA 524.2			4/3/17 17:02	DD	A
1,1-Dichloroethene	ND		ug/L	0.50	EPA 524.2			4/3/17 17:02	DD	A
cis-1,2-Dichloroethene	ND		ug/L	0.50	EPA 524.2			4/3/17 17:02	DD	A
trans-1,2-Dichloroethene	ND		ug/L	0.50	EPA 524.2			4/3/17 17:02	DD	A
1,3-Dichloropropane	ND		ug/L	0.50	EPA 524.2			4/3/17 17:02	DD	A
2,2-Dichloropropane	ND		ug/L	0.50	EPA 524.2			4/3/17 17:02	DD	A
1,2-Dichloropropane	ND		ug/L	0.50	EPA 524.2			4/3/17 17:02	DD	A
1,1-Dichloropropene	ND		ug/L	0.50	EPA 524.2			4/3/17 17:02	DD	A
1,3-Dichloropropene, Total	ND		ug/L	1.0	EPA 524.2			4/3/17 17:02	DD	A
Ethylbenzene	ND		ug/L	0.50	EPA 524.2			4/3/17 17:02	DD	A
Methylene Chloride	ND		ug/L	0.50	EPA 524.2			4/3/17 17:02	DD	A
Styrene	ND		ug/L	0.50	EPA 524.2			4/3/17 17:02	DD	A
1,1,1,2-Tetrachloroethane	ND		ug/L	0.50	EPA 524.2			4/3/17 17:02	DD	A
1,1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	EPA 524.2			4/3/17 17:02	DD	A
Tetrachloroethene	ND		ug/L	0.50	EPA 524.2			4/3/17 17:02	DD	A
Toluene	ND		ug/L	0.50	EPA 524.2			4/3/17 17:02	DD	A
Total Xylenes	ND		ug/L	0.50	EPA 524.2			4/3/17 17:02	DD	A
1,2,4-Trichlorobenzene	ND		ug/L	0.50	EPA 524.2			4/3/17 17:02	DD	A
1,1,1-Trichloroethane	ND		ug/L	0.50	EPA 524.2			4/3/17 17:02	DD	A

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ANALYTICAL RESULTS

Workorder: 2219121 Kutztown Well and Water Proj.

Lab ID: **2219121007** Date Collected: 3/30/2017 14:47 Matrix: Water
Sample ID: **Well #10-Kutztown** Date Received: 3/31/2017 18:20

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
1,1,2-Trichloroethane	ND		ug/L	0.50	EPA 524.2			4/3/17 17:02	DD	A
Trichloroethene	ND		ug/L	0.50	EPA 524.2			4/3/17 17:02	DD	A
1,2,3-Trichloropropane	ND		ug/L	0.50	EPA 524.2			4/3/17 17:02	DD	A
Vinyl Chloride	ND		ug/L	0.50	EPA 524.2			4/3/17 17:02	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)	96.6		%	70 - 130	EPA 524.2			4/3/17 17:02	DD	A
4-Bromofluorobenzene (S)	92.6		%	70 - 130	EPA 524.2			4/3/17 17:02	DD	A



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ANALYTICAL RESULTS

Workorder: 2219121 Kutztown Well and Water Proj.

Lab ID: **2219121008**
Sample ID: **Weaver Well-Kutztown**

Date Collected: 3/30/2017 13:50 Matrix: Water
Date Received: 3/31/2017 18:20

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/L	0.50	EPA 524.2			4/4/17 12:54	DD	B
Bromobenzene	ND		ug/L	0.50	EPA 524.2			4/4/17 12:54	DD	B
Bromodichloromethane	ND		ug/L	0.50	EPA 524.2			4/4/17 12:54	DD	B
Bromoform	ND		ug/L	0.50	EPA 524.2			4/4/17 12:54	DD	B
Bromomethane	ND		ug/L	0.50	EPA 524.2			4/4/17 12:54	DD	B
Carbon Tetrachloride	ND		ug/L	0.50	EPA 524.2			4/4/17 12:54	DD	B
Chlorobenzene	ND		ug/L	0.50	EPA 524.2			4/4/17 12:54	DD	B
Chlorodibromomethane	ND		ug/L	0.50	EPA 524.2			4/4/17 12:54	DD	B
Chloroethane	ND		ug/L	0.50	EPA 524.2			4/4/17 12:54	DD	B
Chloroform	ND		ug/L	0.50	EPA 524.2			4/4/17 12:54	DD	B
Chloromethane	ND		ug/L	0.50	EPA 524.2			4/4/17 12:54	DD	B
o-Chlorotoluene	ND		ug/L	0.50	EPA 524.2			4/4/17 12:54	DD	B
p-Chlorotoluene	ND		ug/L	0.50	EPA 524.2			4/4/17 12:54	DD	B
Dibromomethane	ND		ug/L	0.50	EPA 524.2			4/4/17 12:54	DD	B
1,2-Dichlorobenzene	ND		ug/L	0.50	EPA 524.2			4/4/17 12:54	DD	B
1,3-Dichlorobenzene	ND		ug/L	0.50	EPA 524.2			4/4/17 12:54	DD	B
1,4-Dichlorobenzene	ND		ug/L	0.50	EPA 524.2			4/4/17 12:54	DD	B
1,1-Dichloroethane	ND		ug/L	0.50	EPA 524.2			4/4/17 12:54	DD	B
1,2-Dichloroethane	ND		ug/L	0.50	EPA 524.2			4/4/17 12:54	DD	B
1,1-Dichloroethene	ND		ug/L	0.50	EPA 524.2			4/4/17 12:54	DD	B
cis-1,2-Dichloroethene	ND		ug/L	0.50	EPA 524.2			4/4/17 12:54	DD	B
trans-1,2-Dichloroethene	ND		ug/L	0.50	EPA 524.2			4/4/17 12:54	DD	B
1,3-Dichloropropane	ND		ug/L	0.50	EPA 524.2			4/4/17 12:54	DD	B
2,2-Dichloropropane	ND		ug/L	0.50	EPA 524.2			4/4/17 12:54	DD	B
1,2-Dichloropropane	ND		ug/L	0.50	EPA 524.2			4/4/17 12:54	DD	B
1,1-Dichloropropene	ND		ug/L	0.50	EPA 524.2			4/4/17 12:54	DD	B
1,3-Dichloropropene, Total	ND		ug/L	1.0	EPA 524.2			4/4/17 12:54	DD	B
Ethylbenzene	ND		ug/L	0.50	EPA 524.2			4/4/17 12:54	DD	B
Methylene Chloride	ND		ug/L	0.50	EPA 524.2			4/4/17 12:54	DD	B
Styrene	ND		ug/L	0.50	EPA 524.2			4/4/17 12:54	DD	B
1,1,1,2-Tetrachloroethane	ND		ug/L	0.50	EPA 524.2			4/4/17 12:54	DD	B
1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	EPA 524.2			4/4/17 12:54	DD	B
Tetrachloroethene	ND		ug/L	0.50	EPA 524.2			4/4/17 12:54	DD	B
Toluene	ND		ug/L	0.50	EPA 524.2			4/4/17 12:54	DD	B
Total Xylenes	ND		ug/L	0.50	EPA 524.2			4/4/17 12:54	DD	B
1,2,4-Trichlorobenzene	ND		ug/L	0.50	EPA 524.2			4/4/17 12:54	DD	B
1,1,1-Trichloroethane	ND		ug/L	0.50	EPA 524.2			4/4/17 12:54	DD	B

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ANALYTICAL RESULTS

Workorder: 2219121 Kutztown Well and Water Proj.

Lab ID: **2219121008**
Sample ID: **Weaver Well-Kutztown**

Date Collected: 3/30/2017 13:50 Matrix: Water
Date Received: 3/31/2017 18:20

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
1,1,2-Trichloroethane	ND		ug/L	0.50	EPA 524.2			4/4/17 12:54	DD	B
Trichloroethene	ND		ug/L	0.50	EPA 524.2			4/4/17 12:54	DD	B
1,2,3-Trichloropropane	ND		ug/L	0.50	EPA 524.2			4/4/17 12:54	DD	B
Vinyl Chloride	ND		ug/L	0.50	EPA 524.2			4/4/17 12:54	DD	B
<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)	102		%	70 - 130	EPA 524.2			4/4/17 12:54	DD	B
4-Bromofluorobenzene (S)	95.7		%	70 - 130	EPA 524.2			4/4/17 12:54	DD	B



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