Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:	**CHEMTOOL**				
Project/Facility Number:	2010355004			Date Received :	06/27/21
Funding Code:	CS29 B50			Temperature C:	7.00
Client Sample ID:	**G106**			Lab Sample ID:	**21F1058-01**
Matrix:	Water	Collected By:	MW	Date/Time Collected:	06/25/21 15:10

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Prepared:	06/27/21 10:50
Units:	ug/L	Analyzed:	06/27/21 18:11

Analyte	Result	Qualifier	Reporting Limit
1,1,1,2-Tetrachloroethane	< 2.0	Y	2.0
1,1,1-Trichloroethane	< 2.0	Y	2.0
1,1,2,2-Tetrachloroethane	< 2.0	Y	2.0
1,1,2-Trichloroethane	< 2.0	Y	2.0
1,1-Dichloroethane	< 2.0	Y	2.0
1,1-Dichloroethene	< 2.0	Y	2.0
1,1-Dichloropropene	< 2.0	Y	2.0
1,2,3-Trichloropropane	< 2.0	Y	2.0
1,2-Dibromoethane	< 2.0	Y	2.0
1,2-Dichloroethane	< 2.0	Y	2.0
1,2-Dichloropropane	< 2.0	Y	2.0
1,3-Dichloropropane	< 2.0	Y	2.0
2,2-Dichloropropane	< 2.0	Y	2.0
2-Butanone (MEK)	**14**	Y	10
2-Hexanone (MBK)	< 5.0	Y	5.0
4-Methyl-2-pentanone (MIBK)	< 10	Y	10
Acetone	**200**	L, Y	10
Benzene	< 2.0	Y	2.0
Bromobenzene	< 2.0	Y	2.0
Bromochloromethane	< 2.0	Y	2.0
Bromodichloromethane	< 2.0	Y	2.0
Bromoform	< 5.0	Y	5.0
Bromomethane	< 5.0	Y	5.0

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Test results meet all requirements of NELAC (accredited by Florida DOH #E37645). If you have any questions about this report, please contact Tom Weiss, Laboratory Manager, at 217.782.9780.

Reported:
07/14/21 13:46

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LABORATORY RESULTS

Name:	**CHEMTOOL**				
Project/Facility Number:	2010355004			Date Received :	06/27/21
Funding Code:	CS29 B50			Temperature C:	7.00
Client Sample ID:	**G106**			Lab Sample ID:	**21F1058-01**
Matrix:	Water	Collected By:	MW	Date/Time Collected:	06/25/21 15:10

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Prepared:	06/27/21 10:50
Units:	ug/L	Analyzed:	06/27/21 18:11

Analyte	Result	Qualifier	Reporting Limit
Carbon disulfide	< 2.0	Y	2.0
Carbon tetrachloride	< 2.0	Y	2.0
Chlorobenzene	< 2.0	Y	2.0
Chloroethane	< 2.0	Y	2.0
Chloroform	< 2.0	Y	2.0
Chloromethane	< 2.0	Y	2.0
cis-1,2-Dichloroethene	< 2.0	Y	2.0
cis-1,3-Dichloropropene	< 2.0	Y	2.0
Dibromochloromethane	< 5.0	Y	5.0
Dibromomethane	< 2.0	Y	2.0
Ethylbenzene	< 2.0	Y	2.0
Isopropylbenzene	< 2.0	Y	2.0
Methyl tert-butyl ether	< 2.0	Y	2.0
Methylene chloride	< 5.0	Y	5.0
Styrene	< 2.0	Y	2.0
Tetrachloroethene	< 2.0	Y	2.0
Toluene	< 2.0	Y	2.0
trans-1,2-Dichloroethene	< 2.0	Y	2.0
trans-1,3-Dichloropropene	< 5.0	Y	5.0
Trichloroethene	< 2.0	Y	2.0
Trichlorofluoromethane	< 2.0	Y	2.0
Vinyl chloride	< 2.0	Y	2.0
Xylenes, total	< 2.0	Y	2.0

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LABORATORY RESULTS

Name:	**CHEMTOOL**				
Project/Facility Number:	2010355004			Date Received :	06/27/21
Funding Code:	CS29 B50			Temperature C:	7.00
Client Sample ID:	**G106**			Lab Sample ID:	**21F1058-01**
Matrix:	Water	Collected By:	MW	Date/Time Collected:	06/25/21 15:10

Semivolatiles by GC/MS

Method:	8270	Prepared:	06/28/21 12:48
Units:	ug/L	Analyzed:	06/29/21 19:09

Analyte	Result	Qualifier	Reporting Limit
1,2,4,5-Tetrachlorobenzene	< 1.5	Y	1.5
1,2,4-Trichlorobenzene	< 1.5	Y	1.5
1,2-Dichlorobenzene	< 1.5	Y	1.5
1,2-Dinitrobenzene	< 1.5	Y	1.5
1,3-Dichlorobenzene	< 1.5	Y	1.5
1,3-Dinitrobenzene	< 5.0	Y	5.0
1,4-Dichlorobenzene	< 1.5	Y	1.5
1,4-Dinitrobenzene	< 5.0	Y	5.0
1-Chloronaphthalene	< 1.5	Y	1.5
1-Naphthylamine	< 5.0	Y	5.0
2,2-Oxybis(1-chloropropane)	< 1.5	Y	1.5
2,3,4,6-Tetrachlorophenol	< 1.5	Y	1.5
2,4,5-Trichlorophenol	< 1.5	Y	1.5
2,4,6-Trichlorophenol	< 1.5	Y	1.5
2,4-Dichlorophenol	< 1.5	Y	1.5
2,4-Dimethylphenol	< 1.5	Y	1.5
2,4-Dinitrophenol	< 5.0	Y	5.0
2,4-Dinitrotoluene	< 5.0	Y	5.0
2,6-Dichlorophenol	< 1.5	Y	1.5
2,6-Dinitrotoluene	< 1.5	Y	1.5
2-Chloronaphthalene	< 1.5	Y	1.5
2-Chlorophenol	< 1.5	Y	1.5
2-Methylnaphthalene	< 1.5	Y	1.5

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LABORATORY RESULTS

Name:	**CHEMTOOL**				
Project/Facility Number:	2010355004			Date Received :	06/27/21
Funding Code:	CS29 B50			Temperature C:	7.00
Client Sample ID:	**G106**			Lab Sample ID:	**21F1058-01**
Matrix:	Water	Collected By:	MW	Date/Time Collected:	06/25/21 15:10

Semivolatiles by GC/MS

Method:	8270	Prepared:	06/28/21 12:48
Units:	ug/L	Analyzed:	06/29/21 19:09

Analyte	Result	Qualifier	Reporting Limit
2-Methylphenol	< 1.5	Y	1.5
2-Naphthylamine	< 5.0	Y	5.0
2-Nitroaniline	< 1.5	Y	1.5
2-Nitrophenol	< 5.0	Y	5.0
2-Picoline	< 1.5	Y	1.5
3,3-Dichlorobenzidine	< 1.5	Y	1.5
3-Nitroaniline	< 1.5	Y	1.5
4,6-Dinitro-2-methylphenol	< 5.0	Y	5.0
4-Bromophenyl phenyl ether	< 1.5	Y	1.5
4-Chloro-3-methylphenol	< 1.5	Y	1.5
4-Chloroaniline	< 1.5	Y	1.5
4-Chlorophenyl phenyl ether	< 1.5	Y	1.5
4-Methylphenol	< 1.5	Y	1.5
4-Nitroaniline	< 1.5	Y	1.5
4-Nitrobiphenyl	< 5.0	Y	5.0
4-Nitrophenol	< 5.0	Y	5.0
5-Nitroacenaphthene	< 5.0	Y	5.0
7,12-Dimethylbenzo(a)anthracene	< 5.0	Y	5.0
Acenaphthene	< 1.5	Y	1.5
Acenaphthylene	< 1.5	Y	1.5
Acetophenone	< 1.5	Y	1.5
Anthracene	< 1.5	Y	1.5
Azobenzene	< 1.5	Y	1.5

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LABORATORY RESULTS

Name:	**CHEMTOOL**				
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Funding Code:	CS29 B50			Temperature C:	7.00
Client Sample ID:	**G106**			Lab Sample ID:	**21F1058-01**
Matrix:	Water	Collected By:	MW	Date/Time Collected:	06/25/21 15:10

Semivolatiles by GC/MS

Method:	8270	Prepared:	06/28/21 12:48
Units:	ug/L	Analyzed:	06/29/21 19:09

Analyte	Result	Qualifier	Reporting Limit
Benzo(a)anthracene	< 1.5	Y	1.5
Benzo(a)pyrene	< 1.5	Y	1.5
Benzo(b)fluoranthene	< 1.5	Y	1.5
Benzo(ghi)perylene	< 5.0	Y	5.0
Benzo(k)fluoranthene	< 1.5	Y	1.5
Bis(2-chloroethoxy)methane	< 1.5	Y	1.5
Bis(2-chloroethyl)ether	< 1.5	Y	1.5
Bis(2-ethylhexyl)phthalate	< 5.0	Y	5.0
Butyl benzyl phthalate	< 5.0	Y	5.0
Carbazole	< 1.5	Y	1.5
Chrysene	< 1.5	Y	1.5
Dibenzo(a,h)anthracene	< 5.0	Y	5.0
Dibenzofuran	< 1.5	Y	1.5
Diethylphthalate	< 1.5	Y	1.5
Dimethylphthalate	< 1.5	Y	1.5
Di-n-butylphthalate	< 1.5	Y	1.5
Di-n-octylphthalate	< 5.0	Y	5.0
Diphenylamine	< 1.5	Y	1.5
Ethyl methanesulfonate	< 1.5	Y	1.5
Fluoranthene	< 1.5	Y	1.5
Fluorene	< 1.5	Y	1.5
Hexachlorobenzene	< 1.5	Y	1.5
Hexachlorobutadiene	< 1.5	Y	1.5

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Matrix:	Water	Collected By:	MW	Date/Time Collected:	06/25/21 15:10

Semivolatiles by GC/MS

Method:	8270	Prepared:	06/28/21 12:48
Units:	ug/L	Analyzed:	06/29/21 19:09

Analyte	Result	Qualifier	Reporting Limit
Hexachlorocyclopentadiene	< 1.5	Y	1.5
Hexachloroethane	< 1.5	Y	1.5
Hexachloropropene	< 1.5	Y	1.5
Indeno(1,2,3-cd)pyrene	< 5.0	Y	5.0
Isodrin	< 1.5	Y	1.5
Isophorone	< 1.5	Y	1.5
Isosafrole	< 1.5	Y	1.5
Mestranol	< 5.0	Y	5.0
Methyl methanesulfonate	< 1.5	Y	1.5
Naphthalene	< 1.5	Y	1.5
Nitrobenzene	< 1.5	Y	1.5
N-Nitrosodi-n-butylamine	< 1.5	Y	1.5
N-Nitrosodi-n-propylamine	< 1.5	Y	1.5
N-Nitrosopiperidine	< 1.5	Y	1.5
p-Dimethylaminoazobenzene	< 1.5	Y	1.5
Pentachlorobenzene	< 1.5	Y	1.5
Pentachloronitrobenzene	< 1.5	Y	1.5
Pentachlorophenol	< 5.0	Y	5.0
Phenacetin	< 1.5	Y	1.5
Phenanthrene	< 1.5	Y	1.5
Phenol	< 1.5	Y	1.5
Pronamide	< 1.5	Y	1.5
Pyrene	< 1.5	Y	1.5

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Name:	**CHEMTOOL**				
Project/Facility Number:	2010355004			Date Received :	06/27/21
Funding Code:	CS29 B50			Temperature C:	7.00
Client Sample ID:	**G106**			Lab Sample ID:	**21F1058-01**
Matrix:	Water	Collected By:	MW	Date/Time Collected:	06/25/21 15:10

Semivolatiles by GC/MS

Method:	8270	Prepared:	06/28/21 12:48
Units:	ug/L	Analyzed:	06/29/21 19:09

Analyte	Result	Qualifier	Reporting Limit
Pyridine	< 1.5	Y	1.5
Safrole	< 1.5	Y	1.5

Mercury by EPA Method 245.1

Method:	245.1	Prepared:	06/29/21 16:08
Units:	ug/L	Analyzed:	07/01/21 10:33

Analyte	Result	Qualifier	Reporting Limit
Mercury	**0.06**		0.06

Metals by EPA 6000/7000 Series Methods

Method:	SW-846 6010	Prepared:	06/30/21 15:59
Units:	ug/L	Analyzed:	07/02/21 10:50

Analyte	Result	Qualifier	Reporting Limit
Aluminum	**10400**		100
Antimony	< 10.0		10.0
Arsenic	< 10.0		10.0
Barium	**164**		10.0
Beryllium	< 1.00		1.00
Boron	**242**	B1	25.0
Cadmium	**9.72**		3.00

Reported:
07/14/21 13:46

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Project/Facility Number:	2010355004			Date Received :	06/27/21
Funding Code:	CS29 B50			Temperature C:	7.00
Client Sample ID:	**G106**			Lab Sample ID:	**21F1058-01**
Matrix:	Water	Collected By:	MW	Date/Time Collected:	06/25/21 15:10

Metals by EPA 6000/7000 Series Methods

Method:	SW-846 6010	Prepared:	06/30/21 15:59
Units:	ug/L	Analyzed:	07/02/21 12:43

Analyte	Result	Qualifier	Reporting Limit
Calcium	**290000**		3000
Chromium	**24.9**		5.00
Cobalt	**27.0**		10.0
Copper	**116**		10.0
Hardness	**1240000**		1980
Iron	**29900**		150
Lead	**17.4**		5.00
Magnesium	**126000**		300
Manganese	**1040**		15.0
Nickel	**33.9**		5.00
Potassium	**5520**		1400
Selenium	< 25.0	B1	25.0
Silver	**5.05**		3.00
Sodium	**198000**		300
Strontium	**350**		5.00
Thallium	< 10.0		10.0
Vanadium	**31.8**		5.00
Zinc	**128**		25.0

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Name:	**CHEMTOOL**				
Project/Facility Number:	2010355004			Date Received :	06/27/21
Funding Code:	CS29 B50			Temperature C:	7.00
Client Sample ID:	**G107**			Lab Sample ID:	**21F1058-02**
Matrix:	Water	Collected By:	SP	Date/Time Collected:	06/25/21 16:30

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Prepared:	06/27/21 10:50
Units:	ug/L	Analyzed:	06/27/21 18:32

Analyte	Result	Qualifier	Reporting Limit
1,1,1,2-Tetrachloroethane	< 2.0	Y	2.0
1,1,1-Trichloroethane	< 2.0	Y	2.0
1,1,2,2-Tetrachloroethane	< 2.0	Y	2.0
1,1,2-Trichloroethane	< 2.0	Y	2.0
1,1-Dichloroethane	< 2.0	Y	2.0
1,1-Dichloroethene	< 2.0	Y	2.0
1,1-Dichloropropene	< 2.0	Y	2.0
1,2,3-Trichloropropane	< 2.0	Y	2.0
1,2-Dibromoethane	< 2.0	Y	2.0
1,2-Dichloroethane	< 2.0	Y	2.0
1,2-Dichloropropane	< 2.0	Y	2.0
1,3-Dichloropropane	< 2.0	Y	2.0
2,2-Dichloropropane	< 2.0	Y	2.0
2-Butanone (MEK)	< 10	Y	10
2-Hexanone (MBK)	< 5.0	Y	5.0
4-Methyl-2-pentanone (MIBK)	< 10	Y	10
Acetone	< 10	Y	10
Benzene	< 2.0	Y	2.0
Bromobenzene	< 2.0	Y	2.0
Bromochloromethane	< 2.0	Y	2.0
Bromodichloromethane	< 2.0	Y	2.0
Bromoform	< 5.0	Y	5.0
Bromomethane	< 5.0	Y	5.0

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Name:	**CHEMTOOL**				
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Funding Code:	CS29 B50			Temperature C:	7.00
Client Sample ID:	**G107**			Lab Sample ID:	**21F1058-02**
Matrix:	Water	Collected By:	SP	Date/Time Collected:	06/25/21 16:30

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Prepared:	06/27/21 10:50
Units:	ug/L	Analyzed:	06/27/21 18:32

Analyte	Result	Qualifier	Reporting Limit
Carbon disulfide	< 2.0	Y	2.0
Carbon tetrachloride	< 2.0	Y	2.0
Chlorobenzene	< 2.0	Y	2.0
Chloroethane	< 2.0	Y	2.0
Chloroform	< 2.0	Y	2.0
Chloromethane	< 2.0	Y	2.0
cis-1,2-Dichloroethene	< 2.0	Y	2.0
cis-1,3-Dichloropropene	< 2.0	Y	2.0
Dibromochloromethane	< 5.0	Y	5.0
Dibromomethane	< 2.0	Y	2.0
Ethylbenzene	< 2.0	Y	2.0
Isopropylbenzene	< 2.0	Y	2.0
Methyl tert-butyl ether	< 2.0	Y	2.0
Methylene chloride	< 5.0	Y	5.0
Styrene	< 2.0	Y	2.0
Tetrachloroethene	< 2.0	Y	2.0
Toluene	< 2.0	Y	2.0
trans-1,2-Dichloroethene	< 2.0	Y	2.0
trans-1,3-Dichloropropene	< 5.0	Y	5.0
Trichloroethene	< 2.0	Y	2.0
Trichlorofluoromethane	< 2.0	Y	2.0
Vinyl chloride	< 2.0	Y	2.0
Xylenes, total	< 2.0	Y	2.0

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LABORATORY RESULTS

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Funding Code:	CS29 B50			Temperature C:	7.00
Client Sample ID:	**G107**			Lab Sample ID:	**21F1058-02**
Matrix:	Water	Collected By:	SP	Date/Time Collected:	06/25/21 16:30

Semivolatiles by GC/MS

Method:	8270	Prepared:	06/28/21 12:48
Units:	ug/L	Analyzed:	06/29/21 19:43

Analyte	Result	Qualifier	Reporting Limit
1,2,4,5-Tetrachlorobenzene	< 1.5	Y	1.5
1,2,4-Trichlorobenzene	< 1.5	Y	1.5
1,2-Dichlorobenzene	< 1.5	Y	1.5
1,2-Dinitrobenzene	< 1.5	Y	1.5
1,3-Dichlorobenzene	< 1.5	Y	1.5
1,3-Dinitrobenzene	< 5.0	Y	5.0
1,4-Dichlorobenzene	< 1.5	Y	1.5
1,4-Dinitrobenzene	< 5.0	Y	5.0
1-Chloronaphthalene	< 1.5	Y	1.5
1-Naphthylamine	< 5.0	Y	5.0
2,2-Oxybis(1-chloropropane)	< 1.5	Y	1.5
2,3,4,6-Tetrachlorophenol	< 1.5	Y	1.5
2,4,5-Trichlorophenol	< 1.5	Y	1.5
2,4,6-Trichlorophenol	< 1.5	Y	1.5
2,4-Dichlorophenol	< 1.5	Y	1.5
2,4-Dimethylphenol	< 1.5	Y	1.5
2,4-Dinitrophenol	< 5.0	Y	5.0
2,4-Dinitrotoluene	< 5.0	Y	5.0
2,6-Dichlorophenol	< 1.5	Y	1.5
2,6-Dinitrotoluene	< 1.5	Y	1.5
2-Chloronaphthalene	< 1.5	Y	1.5
2-Chlorophenol	< 1.5	Y	1.5
2-Methylnaphthalene	< 1.5	Y	1.5

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Funding Code:	CS29 B50			Temperature C:	7.00
Client Sample ID:	**G107**			Lab Sample ID:	**21F1058-02**
Matrix:	Water	Collected By:	SP	Date/Time Collected:	06/25/21 16:30

Semivolatiles by GC/MS

Method:	8270	Prepared:	06/28/21 12:48
Units:	ug/L	Analyzed:	06/29/21 19:43

Analyte	Result	Qualifier	Reporting Limit
2-Methylphenol	< 1.5	Y	1.5
2-Naphthylamine	< 5.0	Y	5.0
2-Nitroaniline	< 1.5	Y	1.5
2-Nitrophenol	< 5.0	Y	5.0
2-Picoline	< 1.5	Y	1.5
3,3-Dichlorobenzidine	< 1.5	Y	1.5
3-Nitroaniline	< 1.5	Y	1.5
4,6-Dinitro-2-methylphenol	< 5.0	Y	5.0
4-Bromophenyl phenyl ether	< 1.5	Y	1.5
4-Chloro-3-methylphenol	< 1.5	Y	1.5
4-Chloroaniline	< 1.5	Y	1.5
4-Chlorophenyl phenyl ether	< 1.5	Y	1.5
4-Methylphenol	< 1.5	Y	1.5
4-Nitroaniline	< 1.5	Y	1.5
4-Nitrobiphenyl	< 5.0	Y	5.0
4-Nitrophenol	< 5.0	Y	5.0
5-Nitroacenaphthene	< 5.0	Y	5.0
7,12-Dimethylbenzo(a)anthracene	< 5.0	Y	5.0
Acenaphthene	< 1.5	Y	1.5
Acenaphthylene	< 1.5	Y	1.5
Acetophenone	< 1.5	Y	1.5
Anthracene	< 1.5	Y	1.5
Azobenzene	< 1.5	Y	1.5

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Name:	**CHEMTOOL**				
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Funding Code:	CS29 B50			Temperature C:	7.00
Client Sample ID:	**G107**			Lab Sample ID:	**21F1058-02**
Matrix:	Water	Collected By:	SP	Date/Time Collected:	06/25/21 16:30

Semivolatiles by GC/MS

Method:	8270	Prepared:	06/28/21 12:48
Units:	ug/L	Analyzed:	06/29/21 19:43

Analyte	Result	Qualifier	Reporting Limit
Benzo(a)anthracene	< 1.5	Y	1.5
Benzo(a)pyrene	< 1.5	Y	1.5
Benzo(b)fluoranthene	< 1.5	Y	1.5
Benzo(ghi)perylene	< 5.0	Y	5.0
Benzo(k)fluoranthene	< 1.5	Y	1.5
Bis(2-chloroethoxy)methane	< 1.5	Y	1.5
Bis(2-chloroethyl)ether	< 1.5	Y	1.5
Bis(2-ethylhexyl)phthalate	< 5.0	Y	5.0
Butyl benzyl phthalate	< 5.0	Y	5.0
Carbazole	< 1.5	Y	1.5
Chrysene	< 1.5	Y	1.5
Dibenzo(a,h)anthracene	< 5.0	Y	5.0
Dibenzofuran	< 1.5	Y	1.5
Diethylphthalate	< 1.5	Y	1.5
Dimethylphthalate	< 1.5	Y	1.5
Di-n-butylphthalate	< 1.5	Y	1.5
Di-n-octylphthalate	< 5.0	Y	5.0
Diphenylamine	< 1.5	Y	1.5
Ethyl methanesulfonate	< 1.5	Y	1.5
Fluoranthene	< 1.5	Y	1.5
Fluorene	< 1.5	Y	1.5
Hexachlorobenzene	< 1.5	Y	1.5
Hexachlorobutadiene	< 1.5	Y	1.5

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LABORATORY RESULTS

Name:	**CHEMTOOL**				
Project/Facility Number:	2010355004			Date Received :	06/27/21
Funding Code:	CS29 B50			Temperature C:	7.00
Client Sample ID:	**G107**			Lab Sample ID:	**21F1058-02**
Matrix:	Water	Collected By:	SP	Date/Time Collected:	06/25/21 16:30

Semivolatiles by GC/MS

Method:	8270	Prepared:	06/28/21 12:48
Units:	ug/L	Analyzed:	06/29/21 19:43

Analyte	Result	Qualifier	Reporting Limit
Hexachlorocyclopentadiene	< 1.5	Y	1.5
Hexachloroethane	< 1.5	Y	1.5
Hexachloropropene	< 1.5	Y	1.5
Indeno(1,2,3-cd)pyrene	< 5.0	Y	5.0
Isodrin	< 1.5	Y	1.5
Isophorone	< 1.5	Y	1.5
Isosafrole	< 1.5	Y	1.5
Mestranol	< 5.0	Y	5.0
Methyl methanesulfonate	< 1.5	Y	1.5
Naphthalene	< 1.5	Y	1.5
Nitrobenzene	< 1.5	Y	1.5
N-Nitrosodi-n-butylamine	< 1.5	Y	1.5
N-Nitrosodi-n-propylamine	< 1.5	Y	1.5
N-Nitrosopiperidine	< 1.5	Y	1.5
p-Dimethylaminoazobenzene	< 1.5	Y	1.5
Pentachlorobenzene	< 1.5	Y	1.5
Pentachloronitrobenzene	< 1.5	Y	1.5
Pentachlorophenol	< 5.0	Y	5.0
Phenacetin	< 1.5	Y	1.5
Phenanthrene	< 1.5	Y	1.5
Phenol	< 1.5	Y	1.5
Pronamide	< 1.5	Y	1.5
Pyrene	< 1.5	Y	1.5

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LABORATORY RESULTS

Name:	**CHEMTOOL**				
Project/Facility Number:	2010355004			Date Received :	06/27/21
Funding Code:	CS29 B50			Temperature C:	7.00
Client Sample ID:	**G107**			Lab Sample ID:	**21F1058-02**
Matrix:	Water	Collected By:	SP	Date/Time Collected:	06/25/21 16:30

Semivolatiles by GC/MS

Method:	8270	Prepared:	06/28/21 12:48
Units:	ug/L	Analyzed:	06/29/21 19:43

Analyte	Result	Qualifier	Reporting Limit
Pyridine	< 1.5	Y	1.5
Safrole	< 1.5	Y	1.5

Mercury by EPA Method 245.1

Method:	245.1	Prepared:	06/29/21 16:08
Units:	ug/L	Analyzed:	07/01/21 10:35

Analyte	Result	Qualifier	Reporting Limit
Mercury	< 0.06		0.06

Metals by EPA 6000/7000 Series Methods

Method:	SW-846 6010	Prepared:	06/30/21 15:59
Units:	ug/L	Analyzed:	07/02/21 10:54

Analyte	Result	Qualifier	Reporting Limit
Aluminum	**4870**		100
Antimony	< 10.0		10.0
Arsenic	< 10.0		10.0
Barium	**70.1**		10.0
Beryllium	< 1.00		1.00
Boron	**54.7**	B1	25.0
Cadmium	< 3.00		3.00

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LABORATORY RESULTS

Name:	**CHEMTOOL**				
Project/Facility Number:	2010355004			Date Received :	06/27/21
Funding Code:	CS29 B50			Temperature C:	7.00
Client Sample ID:	**G107**			Lab Sample ID:	**21F1058-02**
Matrix:	Water	Collected By:	SP	Date/Time Collected:	06/25/21 16:30

Metals by EPA 6000/7000 Series Methods

Method:	SW-846 6010	Prepared:	06/30/21 15:59
Units:	ug/L	Analyzed:	07/02/21 10:54

Analyte	Result	Qualifier	Reporting Limit
Calcium	**154000**		300
Chromium	**13.0**		5.00
Cobalt	< 10.0		10.0
Copper	**15.9**		10.0
Hardness	**631000**		1980
Iron	**8810**		150
Lead	< 5.00		5.00
Magnesium	**59800**		300
Manganese	**312**		15.0
Nickel	**10.9**		5.00
Potassium	**1960**		1400
Selenium	< 25.0	B1	25.0
Silver	**3.26**		3.00
Sodium	**11400**		300
Strontium	**90.0**		5.00
Thallium	< 10.0		10.0
Vanadium	**10.9**		5.00
Zinc	**28.4**		25.0

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LABORATORY RESULTS

Name:	**CHEMTOOL**				
Project/Facility Number:	2010355004			Date Received :	06/27/21
Funding Code:	CS29 B50			Temperature C:	7.00
Client Sample ID:	**G108**			Lab Sample ID:	**21F1058-03**
Matrix:	Water	Collected By:	LC	Date/Time Collected:	06/25/21 17:50

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Prepared:	06/27/21 10:50
Units:	ug/L	Analyzed:	06/27/21 18:53

Analyte	Result	Qualifier	Reporting Limit
1,1,1,2-Tetrachloroethane	< 2.0	Y	2.0
1,1,1-Trichloroethane	< 2.0	Y	2.0
1,1,2,2-Tetrachloroethane	< 2.0	Y	2.0
1,1,2-Trichloroethane	< 2.0	Y	2.0
1,1-Dichloroethane	< 2.0	Y	2.0
1,1-Dichloroethene	< 2.0	Y	2.0
1,1-Dichloropropene	< 2.0	Y	2.0
1,2,3-Trichloropropane	< 2.0	Y	2.0
1,2-Dibromoethane	< 2.0	Y	2.0
1,2-Dichloroethane	< 2.0	Y	2.0
1,2-Dichloropropane	< 2.0	Y	2.0
1,3-Dichloropropane	< 2.0	Y	2.0
2,2-Dichloropropane	< 2.0	Y	2.0
2-Butanone (MEK)	< 10	Y	10
2-Hexanone (MBK)	< 5.0	Y	5.0
4-Methyl-2-pentanone (MIBK)	< 10	Y	10
Acetone	< 10	Y	10
Benzene	< 2.0	Y	2.0
Bromobenzene	< 2.0	Y	2.0
Bromochloromethane	< 2.0	Y	2.0
Bromodichloromethane	< 2.0	Y	2.0
Bromoform	< 5.0	Y	5.0
Bromomethane	< 5.0	Y	5.0

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LABORATORY RESULTS

Name:	**CHEMTOOL**				
Project/Facility Number:	2010355004			Date Received :	06/27/21
Funding Code:	CS29 B50			Temperature C:	7.00
Client Sample ID:	**G108**			Lab Sample ID:	**21F1058-03**
Matrix:	Water	Collected By:	LC	Date/Time Collected:	06/25/21 17:50

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Prepared:	06/27/21 10:50
Units:	ug/L	Analyzed:	06/27/21 18:53

Analyte	Result	Qualifier	Reporting Limit
Carbon disulfide	< 2.0	Y	2.0
Carbon tetrachloride	< 2.0	Y	2.0
Chlorobenzene	< 2.0	Y	2.0
Chloroethane	< 2.0	Y	2.0
Chloroform	< 2.0	Y	2.0
Chloromethane	< 2.0	Y	2.0
cis-1,2-Dichloroethene	< 2.0	Y	2.0
cis-1,3-Dichloropropene	< 2.0	Y	2.0
Dibromochloromethane	< 5.0	Y	5.0
Dibromomethane	< 2.0	Y	2.0
Ethylbenzene	< 2.0	Y	2.0
Isopropylbenzene	< 2.0	Y	2.0
Methyl tert-butyl ether	< 2.0	Y	2.0
Methylene chloride	< 5.0	Y	5.0
Styrene	< 2.0	Y	2.0
Tetrachloroethene	**6.9**	Y	2.0
Toluene	< 2.0	Y	2.0
trans-1,2-Dichloroethene	< 2.0	Y	2.0
trans-1,3-Dichloropropene	< 5.0	Y	5.0
Trichloroethene	< 2.0	Y	2.0
Trichlorofluoromethane	< 2.0	Y	2.0
Vinyl chloride	< 2.0	Y	2.0
Xylenes, total	< 2.0	Y	2.0

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LABORATORY RESULTS

Name:	**CHEMTOOL**				
Project/Facility Number:	2010355004			Date Received :	06/27/21
Funding Code:	CS29 B50			Temperature C:	7.00
Client Sample ID:	**G108**			Lab Sample ID:	**21F1058-03**
Matrix:	Water	Collected By:	LC	Date/Time Collected:	06/25/21 17:50

Semivolatiles by GC/MS

Method:	8270	Prepared:	06/28/21 12:48
Units:	ug/L	Analyzed:	06/29/21 20:18

Analyte	Result	Qualifier	Reporting Limit
1,2,4,5-Tetrachlorobenzene	< 1.5	Y	1.5
1,2,4-Trichlorobenzene	< 1.5	Y	1.5
1,2-Dichlorobenzene	< 1.5	Y	1.5
1,2-Dinitrobenzene	< 1.5	Y	1.5
1,3-Dichlorobenzene	< 1.5	Y	1.5
1,3-Dinitrobenzene	< 5.0	Y	5.0
1,4-Dichlorobenzene	< 1.5	Y	1.5
1,4-Dinitrobenzene	< 5.0	Y	5.0
1-Chloronaphthalene	< 1.5	Y	1.5
1-Naphthylamine	< 5.0	Y	5.0
2,2-Oxybis(1-chloropropane)	< 1.5	Y	1.5
2,3,4,6-Tetrachlorophenol	< 1.5	Y	1.5
2,4,5-Trichlorophenol	< 1.5	Y	1.5
2,4,6-Trichlorophenol	< 1.5	Y	1.5
2,4-Dichlorophenol	< 1.5	Y	1.5
2,4-Dimethylphenol	< 1.5	Y	1.5
2,4-Dinitrophenol	< 5.0	Y	5.0
2,4-Dinitrotoluene	< 5.0	Y	5.0
2,6-Dichlorophenol	< 1.5	Y	1.5
2,6-Dinitrotoluene	< 1.5	Y	1.5
2-Chloronaphthalene	< 1.5	Y	1.5
2-Chlorophenol	< 1.5	Y	1.5
2-Methylnaphthalene	< 1.5	Y	1.5

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LABORATORY RESULTS

Name:	**CHEMTOOL**				
Project/Facility Number:	2010355004			Date Received :	06/27/21
Funding Code:	CS29 B50			Temperature C:	7.00
Client Sample ID:	**G108**			Lab Sample ID:	**21F1058-03**
Matrix:	Water	Collected By:	LC	Date/Time Collected:	06/25/21 17:50

Semivolatiles by GC/MS

Method:	8270	Prepared:	06/28/21 12:48
Units:	ug/L	Analyzed:	06/29/21 20:18

Analyte	Result	Qualifier	Reporting Limit
2-Methylphenol	< 1.5	Y	1.5
2-Naphthylamine	< 5.0	Y	5.0
2-Nitroaniline	< 1.5	Y	1.5
2-Nitrophenol	< 5.0	Y	5.0
2-Picoline	< 1.5	Y	1.5
3,3-Dichlorobenzidine	< 1.5	Y	1.5
3-Nitroaniline	< 1.5	Y	1.5
4,6-Dinitro-2-methylphenol	< 5.0	Y	5.0
4-Bromophenyl phenyl ether	< 1.5	Y	1.5
4-Chloro-3-methylphenol	< 1.5	Y	1.5
4-Chloroaniline	< 1.5	Y	1.5
4-Chlorophenyl phenyl ether	< 1.5	Y	1.5
4-Methylphenol	< 1.5	Y	1.5
4-Nitroaniline	< 1.5	Y	1.5
4-Nitrobiphenyl	< 5.0	Y	5.0
4-Nitrophenol	< 5.0	Y	5.0
5-Nitroacenaphthene	< 5.0	Y	5.0
7,12-Dimethylbenzo(a)anthracene	< 5.0	Y	5.0
Acenaphthene	< 1.5	Y	1.5
Acenaphthylene	< 1.5	Y	1.5
Acetophenone	< 1.5	Y	1.5
Anthracene	< 1.5	Y	1.5
Azobenzene	< 1.5	Y	1.5

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LABORATORY RESULTS

Name:	**CHEMTOOL**				
Project/Facility Number:	2010355004			Date Received :	06/27/21
Funding Code:	CS29 B50			Temperature C:	7.00
Client Sample ID:	**G108**			Lab Sample ID:	**21F1058-03**
Matrix:	Water	Collected By:	LC	Date/Time Collected:	06/25/21 17:50

Semivolatiles by GC/MS

Method:	8270	Prepared:	06/28/21 12:48
Units:	ug/L	Analyzed:	06/29/21 20:18

Analyte	Result	Qualifier	Reporting Limit
Benzo(a)anthracene	< 1.5	Y	1.5
Benzo(a)pyrene	< 1.5	Y	1.5
Benzo(b)fluoranthene	< 1.5	Y	1.5
Benzo(ghi)perylene	< 5.0	Y	5.0
Benzo(k)fluoranthene	< 1.5	Y	1.5
Bis(2-chloroethoxy)methane	< 1.5	Y	1.5
Bis(2-chloroethyl)ether	< 1.5	Y	1.5
Bis(2-ethylhexyl)phthalate	< 5.0	Y	5.0
Butyl benzyl phthalate	< 5.0	Y	5.0
Carbazole	< 1.5	Y	1.5
Chrysene	< 1.5	Y	1.5
Dibenzo(a,h)anthracene	< 5.0	Y	5.0
Dibenzofuran	< 1.5	Y	1.5
Diethylphthalate	< 1.5	Y	1.5
Dimethylphthalate	< 1.5	Y	1.5
Di-n-butylphthalate	< 1.5	Y	1.5
Di-n-octylphthalate	< 5.0	Y	5.0
Diphenylamine	< 1.5	Y	1.5
Ethyl methanesulfonate	< 1.5	Y	1.5
Fluoranthene	< 1.5	Y	1.5
Fluorene	< 1.5	Y	1.5
Hexachlorobenzene	< 1.5	Y	1.5
Hexachlorobutadiene	< 1.5	Y	1.5

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LABORATORY RESULTS

Name:	**CHEMTOOL**				
Project/Facility Number:	2010355004			Date Received :	06/27/21
Funding Code:	CS29 B50			Temperature C:	7.00
Client Sample ID:	**G108**			Lab Sample ID:	**21F1058-03**
Matrix:	Water	Collected By:	LC	Date/Time Collected:	06/25/21 17:50

Semivolatiles by GC/MS

Method:	8270	Prepared:	06/28/21 12:48
Units:	ug/L	Analyzed:	06/29/21 20:18

Analyte	Result	Qualifier	Reporting Limit
Hexachlorocyclopentadiene	< 1.5	Y	1.5
Hexachloroethane	< 1.5	Y	1.5
Hexachloropropene	< 1.5	Y	1.5
Indeno(1,2,3-cd)pyrene	< 5.0	Y	5.0
Isodrin	< 1.5	Y	1.5
Isophorone	< 1.5	Y	1.5
Isosafrole	< 1.5	Y	1.5
Mestranol	< 5.0	Y	5.0
Methyl methanesulfonate	< 1.5	Y	1.5
Naphthalene	< 1.5	Y	1.5
Nitrobenzene	< 1.5	Y	1.5
N-Nitrosodi-n-butylamine	< 1.5	Y	1.5
N-Nitrosodi-n-propylamine	< 1.5	Y	1.5
N-Nitrosopiperidine	< 1.5	Y	1.5
p-Dimethylaminoazobenzene	< 1.5	Y	1.5
Pentachlorobenzene	< 1.5	Y	1.5
Pentachloronitrobenzene	< 1.5	Y	1.5
Pentachlorophenol	< 5.0	Y	5.0
Phenacetin	< 1.5	Y	1.5
Phenanthrene	< 1.5	Y	1.5
Phenol	< 1.5	Y	1.5
Pronamide	< 1.5	Y	1.5
Pyrene	< 1.5	Y	1.5

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LABORATORY RESULTS

Name:	**CHEMTOOL**				
Project/Facility Number:	2010355004			Date Received :	06/27/21
Funding Code:	CS29 B50			Temperature C:	7.00
Client Sample ID:	**G108**			Lab Sample ID:	**21F1058-03**
Matrix:	Water	Collected By:	LC	Date/Time Collected:	06/25/21 17:50

Semivolatiles by GC/MS

Method:	8270	Prepared:	06/28/21 12:48
Units:	ug/L	Analyzed:	06/29/21 20:18

Analyte	Result	Qualifier	Reporting Limit
Pyridine	< 1.5	Y	1.5
Safrole	< 1.5	Y	1.5

Mercury by EPA Method 245.1

Method:	245.1	Prepared:	06/29/21 16:08
Units:	ug/L	Analyzed:	07/01/21 10:42

Analyte	Result	Qualifier	Reporting Limit
Mercury	< 0.06		0.06

Metals by EPA 6000/7000 Series Methods

Method:	SW-846 6010	Prepared:	06/30/21 15:59
Units:	ug/L	Analyzed:	07/02/21 11:04

Analyte	Result	Qualifier	Reporting Limit
Aluminum	**41900**		100
Antimony	< 10.0		10.0
Arsenic	< 10.0		10.0
Barium	**348**		10.0
Beryllium	< 1.00		1.00
Boron	< 25.0	B1	25.0
Cadmium	**23.1**		3.00

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LABORATORY RESULTS

Name:	**CHEMTOOL**				
Project/Facility Number:	2010355004			Date Received :	06/27/21
Funding Code:	CS29 B50			Temperature C:	7.00
Client Sample ID:	**G108**			Lab Sample ID:	**21F1058-03**
Matrix:	Water	Collected By:	LC	Date/Time Collected:	06/25/21 17:50

Metals by EPA 6000/7000 Series Methods

Method:	SW-846 6010	Prepared:	06/30/21 15:59
Units:	ug/L	Analyzed:	07/02/21 12:46

Analyte	Result	Qualifier	Reporting Limit
Calcium	**1010000**		3000
Chromium	**344**		5.00
Cobalt	**62.8**		10.0
Copper	**161**		10.0
Hardness	**4310000**		1980
Iron	**84900**		150
Lead	**38.3**		5.00
Magnesium	**432000**		3000
Manganese	**2850**		15.0
Nickel	**184**		5.00
Potassium	**9690**		1400
Selenium	< 25.0	B1	25.0
Silver	**13.2**		3.00
Sodium	**54000**		300
Strontium	**474**		5.00
Thallium	< 10.0		10.0
Vanadium	**95.4**		5.00
Zinc	**271**		25.0

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LABORATORY RESULTS

Name:	**CHEMTOOL**				
Project/Facility Number:	2010355004			Date Received :	06/27/21
Funding Code:	CS29 B50			Temperature C:	7.00
Client Sample ID:	**G109**			Lab Sample ID:	**21F1058-04**
Matrix:	Water	Collected By:	SP	Date/Time Collected:	06/26/21 9:35

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Prepared:	06/27/21 10:50
Units:	ug/L	Analyzed:	06/27/21 19:14

Analyte	Result	Qualifier	Reporting Limit
1,1,1,2-Tetrachloroethane	< 2.0		2.0
1,1,1-Trichloroethane	< 2.0		2.0
1,1,2,2-Tetrachloroethane	< 2.0		2.0
1,1,2-Trichloroethane	< 2.0		2.0
1,1-Dichloroethane	< 2.0		2.0
1,1-Dichloroethene	< 2.0		2.0
1,1-Dichloropropene	< 2.0		2.0
1,2,3-Trichloropropane	< 2.0		2.0
1,2-Dibromoethane	< 2.0		2.0
1,2-Dichloroethane	< 2.0		2.0
1,2-Dichloropropane	< 2.0		2.0
1,3-Dichloropropane	< 2.0		2.0
2,2-Dichloropropane	< 2.0		2.0
2-Butanone (MEK)	< 10		10
2-Hexanone (MBK)	< 5.0		5.0
4-Methyl-2-pentanone (MIBK)	< 10		10
Acetone	< 10		10
Benzene	< 2.0		2.0
Bromobenzene	< 2.0		2.0
Bromochloromethane	< 2.0		2.0
Bromodichloromethane	< 2.0		2.0
Bromoform	< 5.0		5.0
Bromomethane	< 5.0		5.0

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LABORATORY RESULTS

Name:	**CHEMTOOL**				
Project/Facility Number:	2010355004			Date Received :	06/27/21
Funding Code:	CS29 B50			Temperature C:	7.00
Client Sample ID:	**G109**			Lab Sample ID:	**21F1058-04**
Matrix:	Water	Collected By:	SP	Date/Time Collected:	06/26/21 9:35

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Prepared:	06/27/21 10:50
Units:	ug/L	Analyzed:	06/27/21 19:14

Analyte	Result	Qualifier	Reporting Limit
Carbon disulfide	< 2.0		2.0
Carbon tetrachloride	< 2.0		2.0
Chlorobenzene	< 2.0		2.0
Chloroethane	< 2.0		2.0
Chloroform	< 2.0		2.0
Chloromethane	< 2.0		2.0
cis-1,2-Dichloroethene	< 2.0		2.0
cis-1,3-Dichloropropene	< 2.0		2.0
Dibromochloromethane	< 5.0		5.0
Dibromomethane	< 2.0		2.0
Ethylbenzene	< 2.0		2.0
Isopropylbenzene	< 2.0		2.0
Methyl tert-butyl ether	< 2.0		2.0
Methylene chloride	< 5.0		5.0
Styrene	< 2.0		2.0
Tetrachloroethene	< 2.0		2.0
Toluene	< 2.0		2.0
trans-1,2-Dichloroethene	< 2.0		2.0
trans-1,3-Dichloropropene	< 5.0		5.0
Trichloroethene	< 2.0		2.0
Trichlorofluoromethane	< 2.0		2.0
Vinyl chloride	< 2.0		2.0
Xylenes, total	< 2.0		2.0

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LABORATORY RESULTS

Name:	**CHEMTOOL**				
Project/Facility Number:	2010355004			Date Received :	06/27/21
Funding Code:	CS29 B50			Temperature C:	7.00
Client Sample ID:	**G109**			Lab Sample ID:	**21F1058-04**
Matrix:	Water	Collected By:	SP	Date/Time Collected:	06/26/21 9:35

Semivolatiles by GC/MS

Method:	8270	Prepared:	06/28/21 12:48
Units:	ug/L	Analyzed:	06/29/21 20:52

Analyte	Result	Qualifier	Reporting Limit
1,2,4,5-Tetrachlorobenzene	< 1.5		1.5
1,2,4-Trichlorobenzene	< 1.5		1.5
1,2-Dichlorobenzene	< 1.5		1.5
1,2-Dinitrobenzene	< 1.5		1.5
1,3-Dichlorobenzene	< 1.5		1.5
1,3-Dinitrobenzene	< 5.0		5.0
1,4-Dichlorobenzene	< 1.5		1.5
1,4-Dinitrobenzene	< 5.0		5.0
1-Chloronaphthalene	< 1.5		1.5
1-Naphthylamine	< 5.0		5.0
2,2-Oxybis(1-chloropropane)	< 1.5		1.5
2,3,4,6-Tetrachlorophenol	< 1.5		1.5
2,4,5-Trichlorophenol	< 1.5		1.5
2,4,6-Trichlorophenol	< 1.5		1.5
2,4-Dichlorophenol	< 1.5		1.5
2,4-Dimethylphenol	< 1.5		1.5
2,4-Dinitrophenol	< 5.0		5.0
2,4-Dinitrotoluene	< 5.0		5.0
2,6-Dichlorophenol	< 1.5		1.5
2,6-Dinitrotoluene	< 1.5		1.5
2-Chloronaphthalene	< 1.5		1.5
2-Chlorophenol	< 1.5		1.5
2-Methylnaphthalene	< 1.5		1.5

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LABORATORY RESULTS

Name:	**CHEMTOOL**				
Project/Facility Number:	2010355004			Date Received :	06/27/21
Funding Code:	CS29 B50			Temperature C:	7.00
Client Sample ID:	**G109**			Lab Sample ID:	**21F1058-04**
Matrix:	Water	Collected By:	SP	Date/Time Collected:	06/26/21 9:35

Semivolatiles by GC/MS

Method:	8270	Prepared:	06/28/21 12:48
Units:	ug/L	Analyzed:	06/29/21 20:52

Analyte	Result	Qualifier	Reporting Limit
2-Methylphenol	< 1.5		1.5
2-Naphthylamine	< 5.0		5.0
2-Nitroaniline	< 1.5		1.5
2-Nitrophenol	< 5.0		5.0
2-Picoline	< 1.5		1.5
3,3-Dichlorobenzidine	< 1.5		1.5
3-Nitroaniline	< 1.5		1.5
4,6-Dinitro-2-methylphenol	< 5.0		5.0
4-Bromophenyl phenyl ether	< 1.5		1.5
4-Chloro-3-methylphenol	< 1.5		1.5
4-Chloroaniline	< 1.5		1.5
4-Chlorophenyl phenyl ether	< 1.5		1.5
4-Methylphenol	< 1.5		1.5
4-Nitroaniline	< 1.5		1.5
4-Nitrobiphenyl	< 5.0		5.0
4-Nitrophenol	< 5.0		5.0
5-Nitroacenaphthene	< 5.0		5.0
7,12-Dimethylbenzo(a)anthracene	< 5.0		5.0
Acenaphthene	< 1.5		1.5
Acenaphthylene	< 1.5		1.5
Acetophenone	< 1.5		1.5
Anthracene	< 1.5		1.5
Azobenzene	< 1.5		1.5

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LABORATORY RESULTS

Name:	**CHEMTOOL**				
Project/Facility Number:	2010355004			Date Received :	06/27/21
Funding Code:	CS29 B50			Temperature C:	7.00
Client Sample ID:	**G109**			Lab Sample ID:	**21F1058-04**
Matrix:	Water	Collected By:	SP	Date/Time Collected:	06/26/21 9:35

Semivolatiles by GC/MS

Method:	8270	Prepared:	06/28/21 12:48
Units:	ug/L	Analyzed:	06/29/21 20:52

Analyte	Result	Qualifier	Reporting Limit
Benzo(a)anthracene	< 1.5		1.5
Benzo(a)pyrene	< 1.5		1.5
Benzo(b)fluoranthene	< 1.5		1.5
Benzo(ghi)perylene	< 5.0		5.0
Benzo(k)fluoranthene	< 1.5		1.5
Bis(2-chloroethoxy)methane	< 1.5		1.5
Bis(2-chloroethyl)ether	< 1.5		1.5
Bis(2-ethylhexyl)phthalate	< 5.0		5.0
Butyl benzyl phthalate	< 5.0		5.0
Carbazole	< 1.5		1.5
Chrysene	< 1.5		1.5
Dibenzo(a,h)anthracene	< 5.0		5.0
Dibenzofuran	< 1.5		1.5
Diethylphthalate	< 1.5		1.5
Dimethylphthalate	< 1.5		1.5
Di-n-butylphthalate	< 1.5		1.5
Di-n-octylphthalate	< 5.0		5.0
Diphenylamine	< 1.5		1.5
Ethyl methanesulfonate	< 1.5		1.5
Fluoranthene	< 1.5		1.5
Fluorene	< 1.5		1.5
Hexachlorobenzene	< 1.5		1.5
Hexachlorobutadiene	< 1.5		1.5

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LABORATORY RESULTS

Name:	**CHEMTOOL**				
Project/Facility Number:	2010355004			Date Received :	06/27/21
Funding Code:	CS29 B50			Temperature C:	7.00
Client Sample ID:	**G109**			Lab Sample ID:	**21F1058-04**
Matrix:	Water	Collected By:	SP	Date/Time Collected:	06/26/21 9:35

Semivolatiles by GC/MS

Method:	8270	Prepared:	06/28/21 12:48
Units:	ug/L	Analyzed:	06/29/21 20:52

Analyte	Result	Qualifier	Reporting Limit
Hexachlorocyclopentadiene	< 1.5		1.5
Hexachloroethane	< 1.5		1.5
Hexachloropropene	< 1.5		1.5
Indeno(1,2,3-cd)pyrene	< 5.0		5.0
Isodrin	< 1.5		1.5
Isophorone	< 1.5		1.5
Isosafrole	< 1.5		1.5
Mestranol	< 5.0		5.0
Methyl methanesulfonate	< 1.5		1.5
Naphthalene	< 1.5		1.5
Nitrobenzene	< 1.5		1.5
N-Nitrosodi-n-butylamine	< 1.5		1.5
N-Nitrosodi-n-propylamine	< 1.5		1.5
N-Nitrosopiperidine	< 1.5		1.5
p-Dimethylaminoazobenzene	< 1.5		1.5
Pentachlorobenzene	< 1.5		1.5
Pentachloronitrobenzene	< 1.5		1.5
Pentachlorophenol	< 5.0		5.0
Phenacetin	< 1.5		1.5
Phenanthrene	< 1.5		1.5
Phenol	< 1.5		1.5
Pronamide	< 1.5		1.5
Pyrene	< 1.5		1.5

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LABORATORY RESULTS

Name:	**CHEMTOOL**				
Project/Facility Number:	2010355004			Date Received :	06/27/21
Funding Code:	CS29 B50			Temperature C:	7.00
Client Sample ID:	**G109**			Lab Sample ID:	**21F1058-04**
Matrix:	Water	Collected By:	SP	Date/Time Collected:	06/26/21 9:35

Semivolatiles by GC/MS

Method:	8270	Prepared:	06/28/21 12:48
Units:	ug/L	Analyzed:	06/29/21 20:52

Analyte	Result	Qualifier	Reporting Limit
Pyridine	< 1.5		1.5
Safrole	< 1.5		1.5

Mercury by EPA Method 245.1

Method:	245.1	Prepared:	06/29/21 16:08
Units:	ug/L	Analyzed:	07/01/21 10:44

Analyte	Result	Qualifier	Reporting Limit
Mercury	< 0.06		0.06

Metals by EPA 6000/7000 Series Methods

Method:	SW-846 6010	Prepared:	06/30/21 15:59
Units:	ug/L	Analyzed:	07/02/21 11:08

Analyte	Result	Qualifier	Reporting Limit
Aluminum	**573**		100
Antimony	< 10.0		10.0
Arsenic	< 10.0		10.0
Barium	**50.3**		10.0
Beryllium	< 1.00		1.00
Boron	**36.3**	B1	25.0
Cadmium	< 3.00		3.00

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Test results meet all requirements of NELAC (accredited by Florida DOH #E37645). If you have any questions about this report, please contact Tom Weiss, Laboratory Manager, at 217.782.9780.

Reported:
07/14/21 13:46

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LABORATORY RESULTS

Name:	**CHEMTOOL**				
Project/Facility Number:	2010355004			Date Received :	06/27/21
Funding Code:	CS29 B50			Temperature C:	7.00
Client Sample ID:	**G109**			Lab Sample ID:	**21F1058-04**
Matrix:	Water	Collected By:	SP	Date/Time Collected:	06/26/21 9:35

Metals by EPA 6000/7000 Series Methods

Method:	SW-846 6010	Prepared:	06/30/21 15:59
Units:	ug/L	Analyzed:	07/02/21 11:08

Analyte	Result	Qualifier	Reporting Limit
Calcium	**107000**		300
Chromium	**13.5**		5.00
Cobalt	< 10.0		10.0
Copper	**36.0**		10.0
Hardness	**474000**		1980
Iron	**8640**		150
Lead	< 5.00		5.00
Magnesium	**50200**		300
Manganese	**51.3**		15.0
Nickel	**7.93**		5.00
Potassium	< 1400		1400
Selenium	< 25.0	B1	25.0
Silver	< 3.00		3.00
Sodium	**8050**		300
Strontium	**73.5**		5.00
Thallium	< 10.0		10.0
Vanadium	**6.65**		5.00
Zinc	< 25.0		25.0

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Reported:
07/14/21 13:46

Illinois Environmental Protection Agency Laboratory
825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:	**CHEMTOOL**				
Project/Facility Number:	2010355004			Date Received :	06/27/21
Funding Code:	CS29 B50			Temperature C:	7.00
Client Sample ID:	**G110**			Lab Sample ID:	**21F1058-05**
Matrix:	Water	Collected By:	MW	Date/Time Collected:	06/26/21 10:45

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Prepared:	06/27/21 08:00
Units:	ug/L	Analyzed:	06/27/21 19:26

Analyte	Result	Qualifier	Reporting Limit
1,1,1,2-Tetrachloroethane	< 2.0		2.0
1,1,1-Trichloroethane	< 2.0		2.0
1,1,2,2-Tetrachloroethane	< 2.0		2.0
1,1,2-Trichloroethane	< 2.0		2.0
1,1-Dichloroethane	< 2.0		2.0
1,1-Dichloroethene	< 2.0		2.0
1,1-Dichloropropene	< 2.0		2.0
1,2,3-Trichloropropane	< 2.0		2.0
1,2-Dibromoethane	< 2.0		2.0
1,2-Dichloroethane	< 2.0		2.0
1,2-Dichloropropane	< 2.0		2.0
1,3-Dichloropropane	< 2.0		2.0
2,2-Dichloropropane	< 2.0		2.0
2-Butanone (MEK)	< 10		10
2-Hexanone (MBK)	< 5.0		5.0
4-Methyl-2-pentanone (MIBK)	< 10	O1	10
Acetone	< 10	O2	10
Benzene	< 2.0		2.0
Bromobenzene	< 2.0		2.0
Bromochloromethane	< 2.0		2.0
Bromodichloromethane	< 2.0		2.0
Bromoform	< 5.0		5.0
Bromomethane	< 5.0		5.0

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LABORATORY RESULTS

Name:	**CHEMTOOL**				
Project/Facility Number:	2010355004			Date Received :	06/27/21
Funding Code:	CS29 B50			Temperature C:	7.00
Client Sample ID:	**G110**			Lab Sample ID:	**21F1058-05**
Matrix:	Water	Collected By:	MW	Date/Time Collected:	06/26/21 10:45

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Prepared:	06/27/21 08:00
Units:	ug/L	Analyzed:	06/27/21 19:26

Analyte	Result	Qualifier	Reporting Limit
Carbon disulfide	< 2.0		2.0
Carbon tetrachloride	< 2.0		2.0
Chlorobenzene	< 2.0		2.0
Chloroethane	< 2.0		2.0
Chloroform	< 2.0		2.0
Chloromethane	< 2.0		2.0
cis-1,2-Dichloroethene	< 2.0		2.0
cis-1,3-Dichloropropene	< 2.0		2.0
Dibromochloromethane	< 5.0		5.0
Dibromomethane	< 2.0		2.0
Ethylbenzene	< 2.0		2.0
Isopropylbenzene	< 2.0		2.0
Methyl tert-butyl ether	< 2.0		2.0
Methylene chloride	< 5.0		5.0
Styrene	< 2.0		2.0
Tetrachloroethene	< 2.0		2.0
Toluene	< 2.0		2.0
trans-1,2-Dichloroethene	< 2.0		2.0
trans-1,3-Dichloropropene	< 5.0		5.0
Trichloroethene	< 2.0		2.0
Trichlorofluoromethane	< 2.0		2.0
Vinyl chloride	< 2.0		2.0
Xylenes, total	< 2.0		2.0

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LABORATORY RESULTS

Name:	**CHEMTOOL**				
Project/Facility Number:	2010355004			Date Received :	06/27/21
Funding Code:	CS29 B50			Temperature C:	7.00
Client Sample ID:	**G110**			Lab Sample ID:	**21F1058-05**
Matrix:	Water	Collected By:	MW	Date/Time Collected:	06/26/21 10:45

Semivolatiles by GC/MS

Method:	8270	Prepared:	06/28/21 12:48
Units:	ug/L	Analyzed:	06/29/21 21:27

Analyte	Result	Qualifier	Reporting Limit
1,2,4,5-Tetrachlorobenzene	< 1.5		1.5
1,2,4-Trichlorobenzene	< 1.5		1.5
1,2-Dichlorobenzene	< 1.5		1.5
1,2-Dinitrobenzene	< 1.5		1.5
1,3-Dichlorobenzene	< 1.5		1.5
1,3-Dinitrobenzene	< 5.0		5.0
1,4-Dichlorobenzene	< 1.5		1.5
1,4-Dinitrobenzene	< 5.0		5.0
1-Chloronaphthalene	< 1.5		1.5
1-Naphthylamine	< 5.0		5.0
2,2-Oxybis(1-chloropropane)	< 1.5		1.5
2,3,4,6-Tetrachlorophenol	< 1.5		1.5
2,4,5-Trichlorophenol	< 1.5		1.5
2,4,6-Trichlorophenol	< 1.5		1.5
2,4-Dichlorophenol	< 1.5		1.5
2,4-Dimethylphenol	< 1.5		1.5
2,4-Dinitrophenol	< 5.0		5.0
2,4-Dinitrotoluene	< 5.0		5.0
2,6-Dichlorophenol	< 1.5		1.5
2,6-Dinitrotoluene	< 1.5		1.5
2-Chloronaphthalene	< 1.5		1.5
2-Chlorophenol	< 1.5		1.5
2-Methylnaphthalene	< 1.5		1.5

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LABORATORY RESULTS

Name:	**CHEMTOOL**				
Project/Facility Number:	2010355004			Date Received :	06/27/21
Funding Code:	CS29 B50			Temperature C:	7.00
Client Sample ID:	**G110**			Lab Sample ID:	**21F1058-05**
Matrix:	Water	Collected By:	MW	Date/Time Collected:	06/26/21 10:45

Semivolatiles by GC/MS

Method:	8270	Prepared:	06/28/21 12:48
Units:	ug/L	Analyzed:	06/29/21 21:27

Analyte	Result	Qualifier	Reporting Limit
2-Methylphenol	< 1.5		1.5
2-Naphthylamine	< 5.0		5.0
2-Nitroaniline	< 1.5		1.5
2-Nitrophenol	< 5.0		5.0
2-Picoline	< 1.5		1.5
3,3-Dichlorobenzidine	< 1.5		1.5
3-Nitroaniline	< 1.5		1.5
4,6-Dinitro-2-methylphenol	< 5.0		5.0
4-Bromophenyl phenyl ether	< 1.5		1.5
4-Chloro-3-methylphenol	< 1.5		1.5
4-Chloroaniline	< 1.5		1.5
4-Chlorophenyl phenyl ether	< 1.5		1.5
4-Methylphenol	< 1.5		1.5
4-Nitroaniline	< 1.5		1.5
4-Nitrobiphenyl	< 5.0		5.0
4-Nitrophenol	< 5.0		5.0
5-Nitroacenaphthene	< 5.0		5.0
7,12-Dimethylbenzo(a)anthracene	< 5.0		5.0
Acenaphthene	< 1.5		1.5
Acenaphthylene	< 1.5		1.5
Acetophenone	< 1.5		1.5
Anthracene	< 1.5		1.5
Azobenzene	< 1.5		1.5

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LABORATORY RESULTS

Name:	**CHEMTOOL**				
Project/Facility Number:	2010355004			Date Received :	06/27/21
Funding Code:	CS29 B50			Temperature C:	7.00
Client Sample ID:	**G110**			Lab Sample ID:	**21F1058-05**
Matrix:	Water	Collected By:	MW	Date/Time Collected:	06/26/21 10:45

Semivolatiles by GC/MS

Method:	8270	Prepared:	06/28/21 12:48
Units:	ug/L	Analyzed:	06/29/21 21:27

Analyte	Result	Qualifier	Reporting Limit
Benzo(a)anthracene	< 1.5		1.5
Benzo(a)pyrene	< 1.5		1.5
Benzo(b)fluoranthene	< 1.5		1.5
Benzo(ghi)perylene	< 5.0		5.0
Benzo(k)fluoranthene	< 1.5		1.5
Bis(2-chloroethoxy)methane	< 1.5		1.5
Bis(2-chloroethyl)ether	< 1.5		1.5
Bis(2-ethylhexyl)phthalate	< 5.0		5.0
Butyl benzyl phthalate	< 5.0		5.0
Carbazole	< 1.5		1.5
Chrysene	< 1.5		1.5
Dibenzo(a,h)anthracene	< 5.0		5.0
Dibenzofuran	< 1.5		1.5
Diethylphthalate	< 1.5		1.5
Dimethylphthalate	< 1.5		1.5
Di-n-butylphthalate	< 1.5		1.5
Di-n-octylphthalate	< 5.0		5.0
Diphenylamine	< 1.5		1.5
Ethyl methanesulfonate	< 1.5		1.5
Fluoranthene	< 1.5		1.5
Fluorene	< 1.5		1.5
Hexachlorobenzene	< 1.5		1.5
Hexachlorobutadiene	< 1.5		1.5

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LABORATORY RESULTS

Name:	**CHEMTOOL**				
Project/Facility Number:	2010355004			Date Received :	06/27/21
Funding Code:	CS29 B50			Temperature C:	7.00
Client Sample ID:	**G110**			Lab Sample ID:	**21F1058-05**
Matrix:	Water	Collected By:	MW	Date/Time Collected:	06/26/21 10:45

Semivolatiles by GC/MS

Method:	8270	Prepared:	06/28/21 12:48
Units:	ug/L	Analyzed:	06/29/21 21:27

Analyte	Result	Qualifier	Reporting Limit
Hexachlorocyclopentadiene	< 1.5		1.5
Hexachloroethane	< 1.5		1.5
Hexachloropropene	< 1.5		1.5
Indeno(1,2,3-cd)pyrene	< 5.0		5.0
Isodrin	< 1.5		1.5
Isophorone	< 1.5		1.5
Isosafrole	< 1.5		1.5
Mestranol	< 5.0		5.0
Methyl methanesulfonate	< 1.5		1.5
Naphthalene	< 1.5		1.5
Nitrobenzene	< 1.5		1.5
N-Nitrosodi-n-butylamine	< 1.5		1.5
N-Nitrosodi-n-propylamine	< 1.5		1.5
N-Nitrosopiperidine	< 1.5		1.5
p-Dimethylaminoazobenzene	< 1.5		1.5
Pentachlorobenzene	< 1.5		1.5
Pentachloronitrobenzene	< 1.5		1.5
Pentachlorophenol	< 5.0		5.0
Phenacetin	< 1.5		1.5
Phenanthrene	< 1.5		1.5
Phenol	< 1.5		1.5
Pronamide	< 1.5		1.5
Pyrene	< 1.5		1.5

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LABORATORY RESULTS

Name:	**CHEMTOOL**				
Project/Facility Number:	2010355004			Date Received :	06/27/21
Funding Code:	CS29 B50			Temperature C:	7.00
Client Sample ID:	**G110**			Lab Sample ID:	**21F1058-05**
Matrix:	Water	Collected By:	MW	Date/Time Collected:	06/26/21 10:45

Semivolatiles by GC/MS

Method:	8270	Prepared:	06/28/21 12:48
Units:	ug/L	Analyzed:	06/29/21 21:27

Analyte	Result	Qualifier	Reporting Limit
Pyridine	< 1.5		1.5
Safrole	< 1.5		1.5

Mercury by EPA Method 245.1

Method:	245.1	Prepared:	06/29/21 16:08
Units:	ug/L	Analyzed:	07/01/21 10:47

Analyte	Result	Qualifier	Reporting Limit
Mercury	< 0.06		0.06

Metals by EPA 6000/7000 Series Methods

Method:	SW-846 6010	Prepared:	06/30/21 15:59
Units:	ug/L	Analyzed:	07/02/21 11:11

Analyte	Result	Qualifier	Reporting Limit
Aluminum	**5590**		100
Antimony	**16.3**		10.0
Arsenic	< 10.0		10.0
Barium	**108**		10.0
Beryllium	< 1.00		1.00
Boron	< 25.0	B1	25.0
Cadmium	**8.09**		3.00

Reported:
07/14/21 13:46

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LABORATORY RESULTS

Name:	**CHEMTOOL**				
Project/Facility Number:	2010355004			Date Received :	06/27/21
Funding Code:	CS29 B50			Temperature C:	7.00
Client Sample ID:	**G110**			Lab Sample ID:	**21F1058-05**
Matrix:	Water	Collected By:	MW	Date/Time Collected:	06/26/21 10:45

Metals by EPA 6000/7000 Series Methods

Method:	SW-846 6010	Prepared:	06/30/21 15:59
Units:	ug/L	Analyzed:	07/02/21 12:50

Analyte	Result	Qualifier	Reporting Limit
Calcium	**205000**		3000
Chromium	**1580**		5.00
Cobalt	**38.8**		10.0
Copper	**56.9**		10.0
Hardness	**889000**		1980
Iron	**30700**		150
Lead	**15.9**		5.00
Magnesium	**91900**		300
Manganese	**1660**		15.0
Nickel	**86.3**		5.00
Potassium	**2270**		1400
Selenium	< 25.0	B1	25.0
Silver	**5.89**		3.00
Sodium	**9310**		300
Strontium	**103**		5.00
Thallium	< 10.0		10.0
Vanadium	**44.5**		5.00
Zinc	**46.9**		25.0

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Test results meet all requirements of NELAC (accredited by Florida DOH #E37645). If you have any questions about this report, please contact Tom Weiss, Laboratory Manager, at 217.782.9780.

Reported:
07/14/21 13:46

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LABORATORY RESULTS

Name:	**CHEMTOOL**		
Project/Facility Number:	2010355004	Date Received :	06/27/21
Funding Code:	CS29 B50	Temperature C:	7.00

Notes and Definitions

Y	The laboratory analysis was performed on an unpreserved or improperly preserved sample.
O2	Quality control sample failed low - possible low bias or false non-detect result.
O1	Quality control sample failed high - possible high bias or false positive result.
L	Actual value not known, but known to be greater than value shown. Value shown is the highest acceptable level for quantitation. (For bacteria, result calculated as if the smallest filtration volume had a count of 200).
B1	The sample matrix caused possible effects on measurement. The result may be biased low.
ND	Analyte NOT DETECTED at or above the reporting limit
*	Non-NELAP accredited

Methods 8260 & 8270: Samples received at the laboratory outside of the acceptable temperature requirements were Y qualified.

Method 8260: Dilution for acetone could not be analyzed for sample 21F1058-01. Concentration known to be greater than value reported.

Method 8270: Tentatively Identified Compounds (TICs) were detected in the semi-volatile analysis of sample 21F1058-01. Please contact the laboratory if additional information about the TICs is needed.

Method 8270: Insufficient sample volume received to perform a matrix spike and matrix spike duplicate for the batch containing samples 21F1058-01, -02, -03, -04 and -05. NELAC and method requirements were not met.

Report Authorized by:

Tom Weiss
Laboratory Manager

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Reported:
07/14/21 13:46