



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: **G111** Lab Sample ID: **21F1059-01**

Matrix: Water Collected By: FL Date/Time Collected: 06/25/21 15:35

Volatiles Organic Compounds by Purge and Trap GC/MS

Method: 8260 Prepared: 06/27/21 10:50

Units: ug/L Analyzed: 06/27/21 19:34

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>
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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Units: ug/L Analyzed: 06/27/21 19:34

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>
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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Funding Code: CS29 B50 Temperature C: 7.00

Client Sample ID: **G111** Lab Sample ID: **21F1059-01**

Matrix: Water Collected By: FL Date/Time Collected: 06/25/21 15:35

Semivolatiles by GC/MS

Method: 8270 Prepared: 06/28/21 12:48

Units: ug/L Analyzed: 06/29/21 22:01

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>
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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Units: ug/L Analyzed: 06/29/21 22:01

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>
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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<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>
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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<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>
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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Units: ug/L Analyzed: 06/29/21 22:01

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>
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 10:49

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>
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 11:15

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>
Aluminum	5330		100
Antimony	68.6		10.0
Arsenic	< 10.0		10.0
Barium	201		10.0
Beryllium	< 1.00		1.00
Boron	< 25.0	B1	25.0
Cadmium	7.50		3.00

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Metals by EPA 6000/7000 Series Methods

Method: SW-846 6010 Prepared: 06/30/21 15:59

Units: ug/L Analyzed: 07/02/21 12:53

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>
Calcium	217000		3000
Chromium	7830		5.00
Cobalt	80.0		10.0
Copper	84.7		10.0
Hardness	857000		1980
Iron	33100		150
Lead	< 5.00		5.00
Magnesium	79500		300
Manganese	1440		15.0
Nickel	1460		5.00
Potassium	6170		1400
Selenium	< 25.0	B1	25.0
Silver	4.16		3.00
Sodium	427000		3000
Strontium	351		5.00
Thallium	< 10.0		10.0
Vanadium	47.0		5.00
Zinc	< 25.0		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: **G112** Lab Sample ID: **21F1059-02**

Matrix: Water Collected By: FL Date/Time Collected: 06/25/21 17:30

Volatiles Organic Compounds by Purge and Trap GC/MS

Method: 8260 Prepared: 06/27/21 10:50

Units: ug/L Analyzed: 06/27/21 19:55

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>
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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Units: ug/L Analyzed: 06/27/21 19:55

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>
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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Method: 8270 Prepared: 06/28/21 12:48

Units: ug/L Analyzed: 06/29/21 22:36

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>
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: **G112** Lab Sample ID: **21F1059-02**

Matrix: Water Collected By: FL Date/Time Collected: 06/25/21 17:30

Semivolatiles by GC/MS

Method: 8270 Prepared: 06/28/21 12:48

Units: ug/L Analyzed: 06/29/21 22:36

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>
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: **G112** Lab Sample ID: **21F1059-02**

Matrix: Water Collected By: FL Date/Time Collected: 06/25/21 17:30

Semivolatiles by GC/MS

Method: 8270 Prepared: 06/28/21 12:48

Units: ug/L Analyzed: 06/29/21 22:36

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>
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: **G112** Lab Sample ID: **21F1059-02**

Matrix: Water Collected By: FL Date/Time Collected: 06/25/21 17:30

Semivolatiles by GC/MS

Method: 8270 Prepared: 06/28/21 12:48

Units: ug/L Analyzed: 06/29/21 22:36

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>
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: **G112** Lab Sample ID: **21F1059-02**

Matrix: Water Collected By: FL Date/Time Collected: 06/25/21 17:30

Semivolatiles by GC/MS

Method: 8270 Prepared: 06/28/21 12:48

Units: ug/L Analyzed: 06/29/21 22:36

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>
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 10:54

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>
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 11:22

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>
Aluminum	6250		100
Antimony	< 10.0		10.0
Arsenic	< 10.0		10.0
Barium	73.2		10.0
Beryllium	< 1.00		1.00
Boron	< 25.0	B1	25.0
Cadmium	3.41		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: **G112** Lab Sample ID: **21F1059-02**

Matrix: Water Collected By: FL Date/Time Collected: 06/25/21 17:30

Metals by EPA 6000/7000 Series Methods

Method: SW-846 6010 Prepared: 06/30/21 15:59

Units: ug/L Analyzed: 07/02/21 11:22

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>
Calcium	147000		300
Chromium	217		5.00
Cobalt	< 10.0		10.0
Copper	23.9		10.0
Hardness	629000		1980
Iron	12000		150
Lead	< 5.00		5.00
Magnesium	63600		300
Manganese	464		15.0
Nickel	42.6		5.00
Potassium	2930		1400
Selenium	< 25.0	B1	25.0
Silver	3.14		3.00
Sodium	44800		300
Strontium	119		5.00
Thallium	< 10.0		10.0
Vanadium	16.4		5.00
Zinc	28.5		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: **G113** Lab Sample ID: **21F1059-03**

Matrix: Water Collected By: FL Date/Time Collected: 06/25/21 19:00

Volatiles Organic Compounds by Purge and Trap GC/MS

Method: 8260 Prepared: 06/27/21 10:50

Units: ug/L Analyzed: 06/27/21 20:16

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>
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: **G113** Lab Sample ID: **21F1059-03**

Matrix: Water Collected By: FL Date/Time Collected: 06/25/21 19:00

Volatiles Organic Compounds by Purge and Trap GC/MS

Method: 8260 Prepared: 06/27/21 10:50

Units: ug/L Analyzed: 06/27/21 20:16

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>
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: **G113** Lab Sample ID: **21F1059-03**

Matrix: Water Collected By: FL Date/Time Collected: 06/25/21 19:00

Semivolatiles by GC/MS

Method: 8270 Prepared: 07/01/21 07:30

Units: ug/L Analyzed: 07/01/21 16:00

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>
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: **G113** Lab Sample ID: **21F1059-03**

Matrix: Water Collected By: FL Date/Time Collected: 06/25/21 19:00

Semivolatiles by GC/MS

Method: 8270 Prepared: 07/01/21 07:30

Units: ug/L Analyzed: 07/01/21 16:00

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>
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	O2, 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: **G113** Lab Sample ID: **21F1059-03**

Matrix: Water Collected By: FL Date/Time Collected: 06/25/21 19:00

Semivolatiles by GC/MS

Method: 8270 Prepared: 07/01/21 07:30

Units: ug/L Analyzed: 07/01/21 16:00

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>
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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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: **G113** Lab Sample ID: **21F1059-03**

Matrix: Water Collected By: FL Date/Time Collected: 06/25/21 19:00

Semivolatiles by GC/MS

Method: 8270 Prepared: 07/01/21 07:30

Units: ug/L Analyzed: 07/01/21 16:00

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>
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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Funding Code: CS29 B50 Temperature C: 7.00

Client Sample ID: **G113** Lab Sample ID: **21F1059-03**

Matrix: Water Collected By: FL Date/Time Collected: 06/25/21 19:00

Semivolatiles by GC/MS

Method: 8270 Prepared: 07/01/21 07:30

Units: ug/L Analyzed: 07/01/21 16:00

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>
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 10:56

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>
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 11:25

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>
Aluminum	15400		100
Antimony	< 10.0		10.0
Arsenic	< 10.0		10.0
Barium	117		10.0
Beryllium	< 1.00		1.00
Boron	< 25.0	B1	25.0
Cadmium	8.08		3.00

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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: **G113** Lab Sample ID: **21F1059-03**

Matrix: Water Collected By: FL Date/Time Collected: 06/25/21 19:00

Metals by EPA 6000/7000 Series Methods

Method: SW-846 6010 Prepared: 06/30/21 15:59

Units: ug/L Analyzed: 07/02/21 13:08

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>
Calcium	279000		3000
Chromium	104		5.00
Cobalt	17.3		10.0
Copper	51.8		10.0
Hardness	1160000		1980
Iron	30600		150
Lead	12.3		5.00
Magnesium	112000		300
Manganese	1150		15.0
Nickel	44.2		5.00
Potassium	5040		1400
Selenium	< 25.0	B1	25.0
Silver	5.04		3.00
Sodium	10900		300
Strontium	215		5.00
Thallium	< 10.0		10.0
Vanadium	43.9		5.00
Zinc	81.6		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: **G114** Lab Sample ID: **21F1059-04**

Matrix: Water Collected By: JW Date/Time Collected: 06/26/21 11:00

Volatiles Organic Compounds by Purge and Trap GC/MS

Method: 8260 Prepared: 06/27/21 10:50

Units: ug/L Analyzed: 06/27/21 20:37

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>
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: **G114** Lab Sample ID: **21F1059-04**

Matrix: Water Collected By: JW Date/Time Collected: 06/26/21 11:00

Volatiles Organic Compounds by Purge and Trap GC/MS

Method: 8260 Prepared: 06/27/21 10:50

Units: ug/L Analyzed: 06/27/21 20:37

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>
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: **G114** Lab Sample ID: **21F1059-04**

Matrix: Water Collected By: JW Date/Time Collected: 06/26/21 11:00

Semivolatiles by GC/MS

Method: 8270 Prepared: 07/01/21 07:30

Units: ug/L Analyzed: 07/01/21 16:34

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>
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: **G114** Lab Sample ID: **21F1059-04**

Matrix: Water Collected By: JW Date/Time Collected: 06/26/21 11:00

Semivolatiles by GC/MS

Method: 8270 Prepared: 07/01/21 07:30

Units: ug/L Analyzed: 07/01/21 16:34

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>
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	O2	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: **G114** Lab Sample ID: **21F1059-04**

Matrix: Water Collected By: JW Date/Time Collected: 06/26/21 11:00

Semivolatiles by GC/MS

Method: 8270 Prepared: 07/01/21 07:30

Units: ug/L Analyzed: 07/01/21 16:34

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>
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: **G114** Lab Sample ID: **21F1059-04**

Matrix: Water Collected By: JW Date/Time Collected: 06/26/21 11:00

Semivolatiles by GC/MS

Method: 8270 Prepared: 07/01/21 07:30

Units: ug/L Analyzed: 07/01/21 16:34

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>
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: **G114** Lab Sample ID: **21F1059-04**

Matrix: Water Collected By: JW Date/Time Collected: 06/26/21 11:00

Semivolatiles by GC/MS

Method: 8270 Prepared: 07/01/21 07:30

Units: ug/L Analyzed: 07/01/21 16:34

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>
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 10:58

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>
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 11:28

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>
Aluminum	252		100
Antimony	< 10.0		10.0
Arsenic	< 10.0		10.0
Barium	19.2		10.0
Beryllium	< 1.00		1.00
Boron	110		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: **G114** Lab Sample ID: **21F1059-04**

Matrix: Water Collected By: JW Date/Time Collected: 06/26/21 11:00

Metals by EPA 6000/7000 Series Methods

Method: SW-846 6010 Prepared: 06/30/21 15:59

Units: ug/L Analyzed: 07/02/21 11:28

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>
Calcium	90000		300
Chromium	14.0		5.00
Cobalt	< 10.0		10.0
Copper	< 10.0		10.0
Hardness	389000		1980
Iron	531		150
Lead	18.3		5.00
Magnesium	39900		300
Manganese	< 15.0		15.0
Nickel	11.5		5.00
Potassium	1420		1400
Selenium	< 25.0		25.0
Silver	< 3.00		3.00
Sodium	19100		300
Strontium	71.9		5.00
Thallium	< 10.0		10.0
Vanadium	< 5.00		5.00
Zinc	26.3		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: **G164** Lab Sample ID: **21F1059-05**

Matrix: Water Collected By: JW Date/Time Collected: 06/26/21 11:00

Volatile Organic Compounds by GC/MS

Method: 524.3 Prepared: 06/27/21 08:00

Units: ug/L Analyzed: 06/29/21 10:20

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>
1,1,1-Trichloroethane	< 0.50		0.50
1,1,2-Trichloroethane	< 0.50		0.50
1,1-Dichloroethene	< 0.50		0.50
1,2,4-Trichlorobenzene	< 0.50	J1	0.50
1,2-Dichlorobenzene	< 0.50	J1	0.50
1,2-Dichloroethane	< 0.50		0.50
1,2-Dichloropropane	< 0.50		0.50
1,4-Dichlorobenzene	< 0.50	J1	0.50
Benzene	< 0.50		0.50
Carbon tetrachloride	< 0.50		0.50
Chlorobenzene	< 0.50		0.50
cis-1,2-Dichloroethene	< 0.50		0.50
Ethylbenzene	< 0.50		0.50
Methyl tert-butyl ether	< 0.50		0.50
Methylene chloride	< 0.50		0.50
Styrene	< 0.50		0.50
Tetrachloroethene	< 0.50		0.50
Toluene	< 0.50		0.50
trans-1,2-Dichloroethene	< 0.50		0.50
Trichloroethene	< 0.50		0.50
Vinyl chloride	< 0.50		0.50
Xylenes, total	< 0.50		0.50

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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: **G164** Lab Sample ID: **21F1059-05**

Matrix: Water Collected By: JW Date/Time Collected: 06/26/21 11:00

Volatiles Organic Compounds by Purge and Trap GC/MS

Method: 8260 Prepared: 06/27/21 10:50

Units: ug/L Analyzed: 06/27/21 20:57

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>
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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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: **G164** Lab Sample ID: **21F1059-05**

Matrix: Water Collected By: JW Date/Time Collected: 06/26/21 11:00

Volatiles Organic Compounds by Purge and Trap GC/MS

Method: 8260 Prepared: 06/27/21 10:50

Units: ug/L Analyzed: 06/27/21 20:57

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>
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: **G164** Lab Sample ID: **21F1059-05**

Matrix: Water Collected By: JW Date/Time Collected: 06/26/21 11:00

Semivolatiles by GC/MS

Method: 8270 Prepared: 07/01/21 07:30

Units: ug/L Analyzed: 07/01/21 17:08

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>
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: **G164** Lab Sample ID: **21F1059-05**

Matrix: Water Collected By: JW Date/Time Collected: 06/26/21 11:00

Semivolatiles by GC/MS

Method: 8270 Prepared: 07/01/21 07:30

Units: ug/L Analyzed: 07/01/21 17:08

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>
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	O2	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: **G164** Lab Sample ID: **21F1059-05**

Matrix: Water Collected By: JW Date/Time Collected: 06/26/21 11:00

Semivolatiles by GC/MS

Method: 8270 Prepared: 07/01/21 07:30

Units: ug/L Analyzed: 07/01/21 17:08

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>
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: **G164** Lab Sample ID: **21F1059-05**

Matrix: Water Collected By: JW Date/Time Collected: 06/26/21 11:00

Semivolatiles by GC/MS

Method: 8270 Prepared: 07/01/21 07:30

Units: ug/L Analyzed: 07/01/21 17:08

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>
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: **G164** Lab Sample ID: **21F1059-05**

Matrix: Water Collected By: JW Date/Time Collected: 06/26/21 11:00

Semivolatiles by GC/MS

Method: 8270 Prepared: 07/01/21 07:30

Units: ug/L Analyzed: 07/01/21 17:08

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>
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 11:00

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>
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 11:31

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>
Aluminum	205		100
Antimony	< 10.0		10.0
Arsenic	< 10.0		10.0
Barium	18.8		10.0
Beryllium	< 1.00		1.00
Boron	111		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: **G164** Lab Sample ID: **21F1059-05**

Matrix: Water Collected By: JW Date/Time Collected: 06/26/21 11:00

Metals by EPA 6000/7000 Series Methods

Method: SW-846 6010 Prepared: 06/30/21 15:59

Units: ug/L Analyzed: 07/02/21 11:31

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>
Calcium	90900		300
Chromium	9.20		5.00
Cobalt	< 10.0		10.0
Copper	< 10.0		10.0
Hardness	395000		1980
Iron	379		150
Lead	14.9		5.00
Magnesium	40800		300
Manganese	< 15.0		15.0
Nickel	8.77		5.00
Potassium	1400		1400
Selenium	< 25.0		25.0
Silver	< 3.00		3.00
Sodium	19200		300
Strontium	70.7		5.00
Thallium	< 10.0		10.0
Vanadium	< 5.00		5.00
Zinc	< 25.0		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: **G115** Lab Sample ID: **21F1059-06**

Matrix: Water Collected By: JW Date/Time Collected: 06/26/21 12:30

Volatile Organic Compounds by GC/MS

Method: 524.3 Prepared: 06/27/21 08:00

Units: ug/L Analyzed: 06/29/21 11:01

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>
1,1,1-Trichloroethane	< 0.50	J3	0.50
1,1,2-Trichloroethane	< 0.50	J3	0.50
1,1-Dichloroethene	< 0.50	J3	0.50
1,2,4-Trichlorobenzene	< 0.50	J1, J3	0.50
1,2-Dichlorobenzene	< 0.50	J1	0.50
1,2-Dichloroethane	< 0.50		0.50
1,2-Dichloropropane	< 0.50		0.50
1,4-Dichlorobenzene	< 0.50	J1	0.50
Benzene	< 0.50	J3	0.50
Carbon tetrachloride	< 0.50	J3	0.50
Chlorobenzene	< 0.50		0.50
cis-1,2-Dichloroethene	< 0.50	J3	0.50
Ethylbenzene	< 0.50	J3	0.50
Methyl tert-butyl ether	< 0.50		0.50
Methylene chloride	< 0.50	J3	0.50
Styrene	< 0.50	J3	0.50
Tetrachloroethene	< 0.50	J3	0.50
Toluene	< 0.50	J3	0.50
trans-1,2-Dichloroethene	< 0.50	J3	0.50
Trichloroethene	< 0.50	J3	0.50
Vinyl chloride	< 0.50	J3	0.50
Xylenes, total	< 0.50	J3	0.50

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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: **G115** Lab Sample ID: **21F1059-06**

Matrix: Water Collected By: JW Date/Time Collected: 06/26/21 12:30

Volatiles Organic Compounds by Purge and Trap GC/MS

Method: 8260 Prepared: 06/27/21 08:00

Units: ug/L Analyzed: 06/27/21 18:53

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>
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: **G115** Lab Sample ID: **21F1059-06**

Matrix: Water Collected By: JW Date/Time Collected: 06/26/21 12:30

Volatiles Organic Compounds by Purge and Trap GC/MS

Method: 8260 Prepared: 06/27/21 08:00

Units: ug/L Analyzed: 06/27/21 18:53

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>
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: **G115** Lab Sample ID: **21F1059-06**

Matrix: Water Collected By: JW Date/Time Collected: 06/26/21 12:30

Semivolatiles by GC/MS

Method: 8270 Prepared: 07/01/21 07:30

Units: ug/L Analyzed: 07/01/21 17:43

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>
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	J3	1.5
2,4,5-Trichlorophenol	< 1.5	J3	1.5
2,4,6-Trichlorophenol	< 1.5	J3	1.5
2,4-Dichlorophenol	< 1.5	J3	1.5
2,4-Dimethylphenol	< 1.5	J3	1.5
2,4-Dinitrophenol	< 5.0		5.0
2,4-Dinitrotoluene	< 5.0		5.0
2,6-Dichlorophenol	< 1.5	J3	1.5
2,6-Dinitrotoluene	< 1.5		1.5
2-Chloronaphthalene	< 1.5		1.5
2-Chlorophenol	< 1.5	J3	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: **G115** Lab Sample ID: **21F1059-06**

Matrix: Water Collected By: JW Date/Time Collected: 06/26/21 12:30

Semivolatiles by GC/MS

Method: 8270 Prepared: 07/01/21 07:30

Units: ug/L Analyzed: 07/01/21 17:43

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>
2-Methylphenol	< 1.5	J3	1.5
2-Naphthylamine	< 5.0		5.0
2-Nitroaniline	< 1.5		1.5
2-Nitrophenol	< 5.0	J3	5.0
2-Picoline	< 1.5	J3	1.5
3,3-Dichlorobenzidine	< 1.5		1.5
3-Nitroaniline	< 1.5		1.5
4,6-Dinitro-2-methylphenol	< 5.0	J3	5.0
4-Bromophenyl phenyl ether	< 1.5		1.5
4-Chloro-3-methylphenol	< 1.5	J3	1.5
4-Chloroaniline	< 1.5		1.5
4-Chlorophenyl phenyl ether	< 1.5		1.5
4-Methylphenol	< 1.5	J3	1.5
4-Nitroaniline	< 1.5		1.5
4-Nitrobiphenyl	< 5.0		5.0
4-Nitrophenol	< 5.0	O2	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: **G115** Lab Sample ID: **21F1059-06**

Matrix: Water Collected By: JW Date/Time Collected: 06/26/21 12:30

Semivolatiles by GC/MS

Method: 8270 Prepared: 07/01/21 07:30

Units: ug/L Analyzed: 07/01/21 17:43

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>
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	J3	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	J3	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	J3	1.5
Fluoranthene	< 1.5		1.5
Fluorene	< 1.5		1.5
Hexachlorobenzene	< 1.5		1.5
Hexachlorobutadiene	< 1.5	J3	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: **G115** Lab Sample ID: **21F1059-06**

Matrix: Water Collected By: JW Date/Time Collected: 06/26/21 12:30

Semivolatiles by GC/MS

Method: 8270 Prepared: 07/01/21 07:30

Units: ug/L Analyzed: 07/01/21 17:43

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>
Hexachlorocyclopentadiene	< 1.5		1.5
Hexachloroethane	< 1.5	J3	1.5
Hexachloropropene	< 1.5	J3	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	J3	1.5
Nitrobenzene	< 1.5	J3	1.5
N-Nitrosodi-n-butylamine	< 1.5		1.5
N-Nitrosodi-n-propylamine	< 1.5	J3	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	J3	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: **G115** Lab Sample ID: **21F1059-06**

Matrix: Water Collected By: JW Date/Time Collected: 06/26/21 12:30

Semivolatiles by GC/MS

Method: 8270 Prepared: 07/01/21 07:30

Units: ug/L Analyzed: 07/01/21 17:43

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>
Pyridine	< 1.5	J3	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 11:03

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>
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 11:35

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>
Aluminum	922		100
Antimony	< 10.0		10.0
Arsenic	< 10.0		10.0
Barium	30.9		10.0
Beryllium	< 1.00		1.00
Boron	39.9		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: **G115** Lab Sample ID: **21F1059-06**

Matrix: Water Collected By: JW Date/Time Collected: 06/26/21 12:30

Metals by EPA 6000/7000 Series Methods

Method: SW-846 6010 Prepared: 06/30/21 15:59

Units: ug/L Analyzed: 07/02/21 11:35

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>
Calcium	84700		300
Chromium	594		5.00
Cobalt	10.1		10.0
Copper	14.2		10.0
Hardness	377000		1980
Iron	5900		150
Lead	< 5.00		5.00
Magnesium	40300		300
Manganese	148		15.0
Nickel	165		5.00
Potassium	< 1400		1400
Selenium	< 25.0		25.0
Silver	< 3.00		3.00
Sodium	53600		300
Strontium	61.6		5.00
Thallium	< 10.0		10.0
Vanadium	7.63		5.00
Zinc	< 25.0		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: **FB** Lab Sample ID: **21F1059-07**

Matrix: Water Collected By: JW Date/Time Collected: 06/26/21 13:30

Volatile Organic Compounds by GC/MS

Method: 524.3 Prepared: 06/27/21 08:00

Units: ug/L Analyzed: 06/29/21 11:42

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>
1,1,1-Trichloroethane	< 0.50		0.50
1,1,2-Trichloroethane	< 0.50		0.50
1,1-Dichloroethene	< 0.50		0.50
1,2,4-Trichlorobenzene	< 0.50	J1	0.50
1,2-Dichlorobenzene	< 0.50	J1	0.50
1,2-Dichloroethane	< 0.50		0.50
1,2-Dichloropropane	< 0.50		0.50
1,4-Dichlorobenzene	< 0.50	J1	0.50
Benzene	< 0.50		0.50
Carbon tetrachloride	< 0.50		0.50
Chlorobenzene	< 0.50		0.50
cis-1,2-Dichloroethene	< 0.50		0.50
Ethylbenzene	< 0.50		0.50
Methyl tert-butyl ether	< 0.50		0.50
Methylene chloride	< 0.50		0.50
Styrene	< 0.50		0.50
Tetrachloroethene	< 0.50		0.50
Toluene	< 0.50		0.50
trans-1,2-Dichloroethene	< 0.50		0.50
Trichloroethene	< 0.50		0.50
Vinyl chloride	< 0.50		0.50
Xylenes, total	< 0.50		0.50

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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: **FB** Lab Sample ID: **21F1059-07**

Matrix: Water Collected By: JW Date/Time Collected: 06/26/21 13:30

Volatiles Organic Compounds by Purge and Trap GC/MS

Method: 8260 Prepared: 06/27/21 08:00

Units: ug/L Analyzed: 06/27/21 19:59

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>
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: **FB** Lab Sample ID: **21F1059-07**

Matrix: Water Collected By: JW Date/Time Collected: 06/26/21 13:30

Volatiles Organic Compounds by Purge and Trap GC/MS

Method: 8260 Prepared: 06/27/21 08:00

Units: ug/L Analyzed: 06/27/21 19:59

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>
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: **FB** Lab Sample ID: **21F1059-07**

Matrix: Water Collected By: JW Date/Time Collected: 06/26/21 13:30

Semivolatiles by GC/MS

Method: 8270 Prepared: 07/01/21 07:30

Units: ug/L Analyzed: 07/01/21 18:17

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>
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: **FB** Lab Sample ID: **21F1059-07**

Matrix: Water Collected By: JW Date/Time Collected: 06/26/21 13:30

Semivolatiles by GC/MS

Method: 8270 Prepared: 07/01/21 07:30

Units: ug/L Analyzed: 07/01/21 18:17

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>
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	O2	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: **FB** Lab Sample ID: **21F1059-07**

Matrix: Water Collected By: JW Date/Time Collected: 06/26/21 13:30

Semivolatiles by GC/MS

Method: 8270 Prepared: 07/01/21 07:30

Units: ug/L Analyzed: 07/01/21 18:17

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>
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: **FB** Lab Sample ID: **21F1059-07**

Matrix: Water Collected By: JW Date/Time Collected: 06/26/21 13:30

Semivolatiles by GC/MS

Method: 8270 Prepared: 07/01/21 07:30

Units: ug/L Analyzed: 07/01/21 18:17

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>
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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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: **FB** Lab Sample ID: **21F1059-07**

Matrix: Water Collected By: JW Date/Time Collected: 06/26/21 13:30

Semivolatiles by GC/MS

Method: 8270 Prepared: 07/01/21 07:30

Units: ug/L Analyzed: 07/01/21 18:17

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>
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 11:10

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>
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 11:44

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>
Aluminum	< 100		100
Antimony	< 10.0		10.0
Arsenic	< 10.0		10.0
Barium	< 10.0		10.0
Beryllium	< 1.00		1.00
Boron	< 25.0		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: **FB** Lab Sample ID: **21F1059-07**

Matrix: Water Collected By: JW Date/Time Collected: 06/26/21 13:30

Metals by EPA 6000/7000 Series Methods

Method: SW-846 6010 Prepared: 06/30/21 15:59

Units: ug/L Analyzed: 07/02/21 11:44

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>
Calcium	< 300		300
Chromium	< 5.00		5.00
Cobalt	< 10.0		10.0
Copper	< 10.0		10.0
Hardness	< 1980		1980
Iron	< 150		150
Lead	< 5.00		5.00
Magnesium	< 300		300
Manganese	< 15.0		15.0
Nickel	< 5.00		5.00
Potassium	< 1400		1400
Selenium	< 25.0		25.0
Silver	< 3.00		3.00
Sodium	< 300		300
Strontium	< 5.00		5.00
Thallium	< 10.0		10.0
Vanadium	< 5.00		5.00
Zinc	< 25.0		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: **TB1** Lab Sample ID: **21F1059-08**

Matrix: Water Collected By: JW Date/Time Collected: 06/26/21 14:40

Volatile Organic Compounds by GC/MS

Method: 524.3 Prepared: 06/27/21 08:00

Units: ug/L Analyzed: 06/29/21 12:23

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>
1,1,1-Trichloroethane	< 0.50		0.50
1,1,2-Trichloroethane	< 0.50		0.50
1,1-Dichloroethene	< 0.50		0.50
1,2,4-Trichlorobenzene	< 0.50	J1	0.50
1,2-Dichlorobenzene	< 0.50	J1	0.50
1,2-Dichloroethane	< 0.50		0.50
1,2-Dichloropropane	< 0.50		0.50
1,4-Dichlorobenzene	< 0.50	J1	0.50
Benzene	< 0.50		0.50
Carbon tetrachloride	< 0.50		0.50
Chlorobenzene	< 0.50		0.50
cis-1,2-Dichloroethene	< 0.50		0.50
Ethylbenzene	< 0.50		0.50
Methyl tert-butyl ether	< 0.50		0.50
Methylene chloride	< 0.50		0.50
Styrene	< 0.50		0.50
Tetrachloroethene	< 0.50		0.50
Toluene	< 0.50		0.50
trans-1,2-Dichloroethene	< 0.50		0.50
Trichloroethene	< 0.50		0.50
Vinyl chloride	< 0.50		0.50
Xylenes, total	< 0.50		0.50

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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: **TB1** Lab Sample ID: **21F1059-08**

Matrix: Water Collected By: JW Date/Time Collected: 06/26/21 14:40

Volatiles Organic Compounds by Purge and Trap GC/MS

Method: 8260 Prepared: 06/27/21 08:00

Units: ug/L Analyzed: 06/28/21 11:12

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>
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: **TB1** Lab Sample ID: **21F1059-08**

Matrix: Water Collected By: JW Date/Time Collected: 06/26/21 14:40

Volatiles Organic Compounds by Purge and Trap GC/MS

Method: 8260 Prepared: 06/27/21 08:00

Units: ug/L Analyzed: 06/28/21 11:12

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>
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	Date Received :	06/27/21
Project/Facility Number:	2010355004	Temperature C:	7.00
Funding Code:	CS29 B50		

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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.
- J3 The reported value failed to meet the established quality control criteria for either precision or accuracy possibly due to matrix effects.
- J1 Surrogate compound recovery limits have not been met.
- 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

Method 524.3: Sample 21F1059-04 required re-analysis due to quality control issues, however, it could not be re-analyzed since it was used as the source sample for matrix QC leaving no remaining vials. No analytes were detected in the original analysis, but those results cannot be reported due to the QC issues. The Method 524.3 test was cancelled for this sample.

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

Method 8270: Insufficient sample volume received to perform a matrix spike and matrix spike duplicate for the batch containing samples 21F1059-01 and -02. NELAC and method requirements were not met.

Report Authorized by:

Tom Weiss
Laboratory Manager

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