



Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: 2010355004 Date Received : 07/15/21

Funding Code: CS29 B50 Temperature C: 5.00

Client Sample ID: **W54** Lab Sample ID: **21G0535-01**

Matrix: Water Collected By: TAR/RAD Date/Time Collected: 07/14/21 14:10

Volatiles Organic Compounds by Purge and Trap GC/MS

Method: 8260 Prepared: 07/17/21 09:30

Units: ug/L Analyzed: 07/17/21 19:46

<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	O1	5.0

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LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: 2010355004 Date Received : 07/15/21

Funding Code: CS29 B50 Temperature C: 5.00

Client Sample ID: **W54** Lab Sample ID: **21G0535-01**

Matrix: Water Collected By: TAR/RAD Date/Time Collected: 07/14/21 14:10

Volatiles Organic Compounds by Purge and Trap GC/MS

Method: 8260 Prepared: 07/17/21 09:30

Units: ug/L Analyzed: 07/17/21 19:46

<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	3.3		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 : 07/15/21

Funding Code: CS29 B50 Temperature C: 5.00

Client Sample ID: **W54** Lab Sample ID: **21G0535-01**

Matrix: Water Collected By: TAR/RAD Date/Time Collected: 07/14/21 14:10

Semivolatiles by GC/MS

Method: 8270 Prepared: 07/15/21 15:31

Units: ug/L Analyzed: 07/20/21 22:15

<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	< 7.5		7.5
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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Semivolatiles by GC/MS

Method: 8270 Prepared: 07/15/21 15:31

Units: ug/L Analyzed: 07/20/21 22:15

<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		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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Units: ug/L Analyzed: 07/20/21 22:15

<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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Units: ug/L Analyzed: 07/20/21 22:15

<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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Units: ug/L Analyzed: 07/20/21 22:15

<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: 07/16/21 13:33

Units: ug/L Analyzed: 07/19/21 10:28

<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: 07/15/21 12:51

Units: ug/L Analyzed: 07/16/21 10:33

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>
Aluminum	9030		100
Antimony	< 10.0		10.0
Arsenic	< 10.0		10.0
Barium	100		10.0
Beryllium	< 1.00		1.00
Boron	65.7		25.0
Cadmium	4.67		3.00

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Name: **CHEMTOOL**

Project/Facility Number: 2010355004 Date Received : 07/15/21

Funding Code: CS29 B50 Temperature C: 5.00

Client Sample ID: **W54** Lab Sample ID: **21G0535-01**

Matrix: Water Collected By: TAR/RAD Date/Time Collected: 07/14/21 14:10

Metals by EPA 6000/7000 Series Methods

Method: SW-846 6010 Prepared: 07/15/21 12:51

Units: ug/L Analyzed: 07/16/21 11:59

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>
Calcium	230000		3000
Chromium	78.5		5.00
Cobalt	10.8		10.0
Copper	28.8		10.0
Hardness	971000		1980
Iron	17000		150
Lead	8.06		5.00
Magnesium	96500		300
Manganese	484		15.0
Nickel	41.9		5.00
Potassium	4260		1400
Selenium	< 25.0		25.0
Silver	4.58		3.00
Sodium	19900		300
Strontium	131		5.00
Thallium	< 10.0		10.0
Vanadium	19.5		5.00
Zinc	53.5		25.0

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LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: 2010355004 Date Received : 07/15/21

Funding Code: CS29 B50 Temperature C: 5.00

Client Sample ID: **W41** Lab Sample ID: **21G0535-02**

Matrix: Water Collected By: TAR/RAD Date/Time Collected: 07/14/21 16:40

Volatiles Organic Compounds by Purge and Trap GC/MS

Method: 8260 Prepared: 07/17/21 09:30

Units: ug/L Analyzed: 07/17/21 20:09

<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	O1	5.0

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Name: **CHEMTOOL**

Project/Facility Number: 2010355004 Date Received : 07/15/21

Funding Code: CS29 B50 Temperature C: 5.00

Client Sample ID: **W41** Lab Sample ID: **21G0535-02**

Matrix: Water Collected By: TAR/RAD Date/Time Collected: 07/14/21 16:40

Volatiles Organic Compounds by Purge and Trap GC/MS

Method: 8260 Prepared: 07/17/21 09:30

Units: ug/L Analyzed: 07/17/21 20:09

<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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Project/Facility Number: 2010355004 Date Received : 07/15/21

Funding Code: CS29 B50 Temperature C: 5.00

Client Sample ID: **W41** Lab Sample ID: **21G0535-02**

Matrix: Water Collected By: TAR/RAD Date/Time Collected: 07/14/21 16:40

Semivolatiles by GC/MS

Method: 8270 Prepared: 07/15/21 15:31

Units: ug/L Analyzed: 07/20/21 22:50

<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	< 7.5		7.5
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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Funding Code: CS29 B50 Temperature C: 5.00

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Semivolatiles by GC/MS

Method: 8270 Prepared: 07/15/21 15:31

Units: ug/L Analyzed: 07/20/21 22:50

<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		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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Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: 2010355004 Date Received : 07/15/21

Funding Code: CS29 B50 Temperature C: 5.00

Client Sample ID: **W41** Lab Sample ID: **21G0535-02**

Matrix: Water Collected By: TAR/RAD Date/Time Collected: 07/14/21 16:40

Semivolatiles by GC/MS

Method: 8270 Prepared: 07/15/21 15:31

Units: ug/L Analyzed: 07/20/21 22:50

<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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825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: 2010355004 Date Received : 07/15/21

Funding Code: CS29 B50 Temperature C: 5.00

Client Sample ID: **W41** Lab Sample ID: **21G0535-02**

Matrix: Water Collected By: TAR/RAD Date/Time Collected: 07/14/21 16:40

Semivolatiles by GC/MS

Method: 8270 Prepared: 07/15/21 15:31

Units: ug/L Analyzed: 07/20/21 22:50

<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 : 07/15/21

Funding Code: CS29 B50 Temperature C: 5.00

Client Sample ID: **W41** Lab Sample ID: **21G0535-02**

Matrix: Water Collected By: TAR/RAD Date/Time Collected: 07/14/21 16:40

Semivolatiles by GC/MS

Method: 8270 Prepared: 07/15/21 15:31

Units: ug/L Analyzed: 07/20/21 22:50

<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: 07/16/21 13:33

Units: ug/L Analyzed: 07/19/21 10:30

<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: 07/15/21 12:51

Units: ug/L Analyzed: 07/16/21 10:36

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>
Aluminum	795		100
Antimony	12.5		10.0
Arsenic	< 10.0		10.0
Barium	75.0		10.0
Beryllium	< 1.00		1.00
Boron	88.2		25.0
Cadmium	< 3.00		3.00

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LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: 2010355004 Date Received : 07/15/21

Funding Code: CS29 B50 Temperature C: 5.00

Client Sample ID: **W41** Lab Sample ID: **21G0535-02**

Matrix: Water Collected By: TAR/RAD Date/Time Collected: 07/14/21 16:40

Metals by EPA 6000/7000 Series Methods

Method: SW-846 6010 Prepared: 07/15/21 12:51

Units: ug/L Analyzed: 07/16/21 10:36

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>
Calcium	107000		300
Chromium	1620		5.00
Cobalt	< 10.0		10.0
Copper	29.9		10.0
Hardness	426000		1980
Iron	11200		150
Lead	< 5.00		5.00
Magnesium	38600		300
Manganese	74.7		15.0
Nickel	102		5.00
Potassium	1420		1400
Selenium	< 25.0		25.0
Silver	< 3.00		3.00
Sodium	65500		300
Strontium	121		5.00
Thallium	< 10.0		10.0
Vanadium	11.3		5.00
Zinc	< 25.0		25.0

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825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: 2010355004 Date Received : 07/15/21

Funding Code: CS29 B50 Temperature C: 5.00

Client Sample ID: **W52** Lab Sample ID: **21G0535-03**

Matrix: Water Collected By: TAR/RAD Date/Time Collected: 07/14/21 17:30

Volatiles Organic Compounds by Purge and Trap GC/MS

Method: 8260 Prepared: 07/17/21 09:30

Units: ug/L Analyzed: 07/17/21 20:31

<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	O1	5.0

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LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: 2010355004 Date Received : 07/15/21

Funding Code: CS29 B50 Temperature C: 5.00

Client Sample ID: **W52** Lab Sample ID: **21G0535-03**

Matrix: Water Collected By: TAR/RAD Date/Time Collected: 07/14/21 17:30

Volatiles Organic Compounds by Purge and Trap GC/MS

Method: 8260 Prepared: 07/17/21 09:30

Units: ug/L Analyzed: 07/17/21 20:31

<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	6.1		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 : 07/15/21

Funding Code: CS29 B50 Temperature C: 5.00

Client Sample ID: **W52** Lab Sample ID: **21G0535-03**

Matrix: Water Collected By: TAR/RAD Date/Time Collected: 07/14/21 17:30

Semivolatiles by GC/MS

Method: 8270 Prepared: 07/15/21 15:31

Units: ug/L Analyzed: 07/20/21 23:24

<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	< 7.5		7.5
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 : 07/15/21

Funding Code: CS29 B50 Temperature C: 5.00

Client Sample ID: **W52** Lab Sample ID: **21G0535-03**

Matrix: Water Collected By: TAR/RAD Date/Time Collected: 07/14/21 17:30

Semivolatiles by GC/MS

Method: 8270 Prepared: 07/15/21 15:31

Units: ug/L Analyzed: 07/20/21 23:24

<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		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 : 07/15/21

Funding Code: CS29 B50 Temperature C: 5.00

Client Sample ID: **W52** Lab Sample ID: **21G0535-03**

Matrix: Water Collected By: TAR/RAD Date/Time Collected: 07/14/21 17:30

Semivolatiles by GC/MS

Method: 8270 Prepared: 07/15/21 15:31

Units: ug/L Analyzed: 07/20/21 23:24

<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 : 07/15/21

Funding Code: CS29 B50 Temperature C: 5.00

Client Sample ID: **W52** Lab Sample ID: **21G0535-03**

Matrix: Water Collected By: TAR/RAD Date/Time Collected: 07/14/21 17:30

Semivolatiles by GC/MS

Method: 8270 Prepared: 07/15/21 15:31

Units: ug/L Analyzed: 07/20/21 23:24

<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 : 07/15/21

Funding Code: CS29 B50 Temperature C: 5.00

Client Sample ID: **W52** Lab Sample ID: **21G0535-03**

Matrix: Water Collected By: TAR/RAD Date/Time Collected: 07/14/21 17:30

Semivolatiles by GC/MS

Method: 8270 Prepared: 07/15/21 15:31

Units: ug/L Analyzed: 07/20/21 23:24

<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: 07/16/21 13:33

Units: ug/L Analyzed: 07/19/21 10:35

<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: 07/15/21 12:51

Units: ug/L Analyzed: 07/16/21 10:42

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>
Aluminum	5490		100
Antimony	< 10.0		10.0
Arsenic	< 10.0		10.0
Barium	117		10.0
Beryllium	< 1.00		1.00
Boron	32.1		25.0
Cadmium	3.96		3.00

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LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: 2010355004 Date Received : 07/15/21

Funding Code: CS29 B50 Temperature C: 5.00

Client Sample ID: **W52** Lab Sample ID: **21G0535-03**

Matrix: Water Collected By: TAR/RAD Date/Time Collected: 07/14/21 17:30

Metals by EPA 6000/7000 Series Methods

Method: SW-846 6010 Prepared: 07/15/21 12:51

Units: ug/L Analyzed: 07/16/21 10:42

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>
Calcium	94900		300
Chromium	1440		5.00
Cobalt	10.4		10.0
Copper	57.2		10.0
Hardness	385000		1980
Iron	13400		150
Lead	< 5.00		5.00
Magnesium	36000		300
Manganese	207		15.0
Nickel	356		5.00
Potassium	2270		1400
Selenium	< 25.0		25.0
Silver	4.10		3.00
Sodium	75200		300
Strontium	145		5.00
Thallium	< 10.0		10.0
Vanadium	< 5.00		5.00
Zinc	34.8		25.0

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LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: 2010355004 Date Received : 07/15/21

Funding Code: CS29 B50 Temperature C: 5.00

Client Sample ID: **W53** Lab Sample ID: **21G0535-04**

Matrix: Water Collected By: TAR/RAD Date/Time Collected: 07/14/21 18:30

Volatiles Organic Compounds by Purge and Trap GC/MS

Method: 8260 Prepared: 07/17/21 09:30

Units: ug/L Analyzed: 07/17/21 20:54

<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	O1	5.0

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LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: 2010355004 Date Received : 07/15/21

Funding Code: CS29 B50 Temperature C: 5.00

Client Sample ID: **W53** Lab Sample ID: **21G0535-04**

Matrix: Water Collected By: TAR/RAD Date/Time Collected: 07/14/21 18:30

Volatiles Organic Compounds by Purge and Trap GC/MS

Method: 8260 Prepared: 07/17/21 09:30

Units: ug/L Analyzed: 07/17/21 20:54

<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 : 07/15/21

Funding Code: CS29 B50 Temperature C: 5.00

Client Sample ID: **W53** Lab Sample ID: **21G0535-04**

Matrix: Water Collected By: TAR/RAD Date/Time Collected: 07/14/21 18:30

Semivolatiles by GC/MS

Method: 8270 Prepared: 07/15/21 15:31

Units: ug/L Analyzed: 07/20/21 23:59

<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	< 7.5		7.5
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 : 07/15/21

Funding Code: CS29 B50 Temperature C: 5.00

Client Sample ID: **W53** Lab Sample ID: **21G0535-04**

Matrix: Water Collected By: TAR/RAD Date/Time Collected: 07/14/21 18:30

Semivolatiles by GC/MS

Method: 8270 Prepared: 07/15/21 15:31

Units: ug/L Analyzed: 07/20/21 23:59

<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		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 : 07/15/21

Funding Code: CS29 B50 Temperature C: 5.00

Client Sample ID: **W53** Lab Sample ID: **21G0535-04**

Matrix: Water Collected By: TAR/RAD Date/Time Collected: 07/14/21 18:30

Semivolatiles by GC/MS

Method: 8270 Prepared: 07/15/21 15:31

Units: ug/L Analyzed: 07/20/21 23:59

<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 : 07/15/21

Funding Code: CS29 B50 Temperature C: 5.00

Client Sample ID: **W53** Lab Sample ID: **21G0535-04**

Matrix: Water Collected By: TAR/RAD Date/Time Collected: 07/14/21 18:30

Semivolatiles by GC/MS

Method: 8270 Prepared: 07/15/21 15:31

Units: ug/L Analyzed: 07/20/21 23:59

<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 : 07/15/21

Funding Code: CS29 B50 Temperature C: 5.00

Client Sample ID: **W53** Lab Sample ID: **21G0535-04**

Matrix: Water Collected By: TAR/RAD Date/Time Collected: 07/14/21 18:30

Semivolatiles by GC/MS

Method: 8270 Prepared: 07/15/21 15:31

Units: ug/L Analyzed: 07/20/21 23:59

<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: 07/16/21 13:33

Units: ug/L Analyzed: 07/19/21 10:37

<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: 07/15/21 12:51

Units: ug/L Analyzed: 07/16/21 10:44

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>
Aluminum	1650		100
Antimony	< 10.0		10.0
Arsenic	< 10.0		10.0
Barium	61.2		10.0
Beryllium	< 1.00		1.00
Boron	47.9		25.0
Cadmium	< 3.00		3.00

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LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: 2010355004 Date Received : 07/15/21

Funding Code: CS29 B50 Temperature C: 5.00

Client Sample ID: **W53** Lab Sample ID: **21G0535-04**

Matrix: Water Collected By: TAR/RAD Date/Time Collected: 07/14/21 18:30

Metals by EPA 6000/7000 Series Methods

Method: SW-846 6010 Prepared: 07/15/21 12:51

Units: ug/L Analyzed: 07/16/21 10:44

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>
Calcium	59100		300
Chromium	280		5.00
Cobalt	< 10.0		10.0
Copper	20.3		10.0
Hardness	248000		1980
Iron	4930		150
Lead	< 5.00		5.00
Magnesium	24500		300
Manganese	126		15.0
Nickel	78.3		5.00
Potassium	2230		1400
Selenium	< 25.0		25.0
Silver	< 3.00		3.00
Sodium	544000		3000
Strontium	105		5.00
Thallium	< 10.0		10.0
Vanadium	5.61		5.00
Zinc	< 25.0		25.0

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LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: 2010355004 Date Received : 07/15/21

Funding Code: CS29 B50 Temperature C: 5.00

Client Sample ID: **FB** Lab Sample ID: **21G0535-05**

Matrix: Water Collected By: TAR/RAD Date/Time Collected: 07/14/21 19:40

Volatile Organic Compounds by GC/MS *

Method: 524.3 Prepared: 07/17/21 08:00

Units: ug/L Analyzed: 07/17/21 18:51

<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	0.55		0.50
1,2-Dichlorobenzene	< 0.50		0.50
1,2-Dichloroethane	< 0.50		0.50
1,2-Dichloropropane	< 0.50		0.50
1,4-Dichlorobenzene	< 0.50		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	O1	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	J6	0.50
Xylenes, total	< 0.50		0.50

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LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: 2010355004 Date Received : 07/15/21

Funding Code: CS29 B50 Temperature C: 5.00

Client Sample ID: **FB** Lab Sample ID: **21G0535-05**

Matrix: Water Collected By: TAR/RAD Date/Time Collected: 07/14/21 19:40

Volatiles Organic Compounds by Purge and Trap GC/MS

Method: 8260 Prepared: 07/17/21 09:30

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

<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	O1	5.0

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LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: 2010355004 Date Received : 07/15/21

Funding Code: CS29 B50 Temperature C: 5.00

Client Sample ID: **FB** Lab Sample ID: **21G0535-05**

Matrix: Water Collected By: TAR/RAD Date/Time Collected: 07/14/21 19:40

Volatiles Organic Compounds by Purge and Trap GC/MS

Method: 8260 Prepared: 07/17/21 09:30

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

<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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825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: 2010355004 Date Received : 07/15/21

Funding Code: CS29 B50 Temperature C: 5.00

Client Sample ID: **FB** Lab Sample ID: **21G0535-05**

Matrix: Water Collected By: TAR/RAD Date/Time Collected: 07/14/21 19:40

Semivolatiles by GC/MS

Method: 8270 Prepared: 07/15/21 15:31

Units: ug/L Analyzed: 07/21/21 00:34

<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	< 7.5		7.5
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 : 07/15/21

Funding Code: CS29 B50 Temperature C: 5.00

Client Sample ID: **FB** Lab Sample ID: **21G0535-05**

Matrix: Water Collected By: TAR/RAD Date/Time Collected: 07/14/21 19:40

Semivolatiles by GC/MS

Method: 8270 Prepared: 07/15/21 15:31

Units: ug/L Analyzed: 07/21/21 00:34

<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		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 : 07/15/21

Funding Code: CS29 B50 Temperature C: 5.00

Client Sample ID: **FB** Lab Sample ID: **21G0535-05**

Matrix: Water Collected By: TAR/RAD Date/Time Collected: 07/14/21 19:40

Semivolatiles by GC/MS

Method: 8270 Prepared: 07/15/21 15:31

Units: ug/L Analyzed: 07/21/21 00:34

<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 : 07/15/21

Funding Code: CS29 B50 Temperature C: 5.00

Client Sample ID: **FB** Lab Sample ID: **21G0535-05**

Matrix: Water Collected By: TAR/RAD Date/Time Collected: 07/14/21 19:40

Semivolatiles by GC/MS

Method: 8270 Prepared: 07/15/21 15:31

Units: ug/L Analyzed: 07/21/21 00:34

<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 : 07/15/21

Funding Code: CS29 B50 Temperature C: 5.00

Client Sample ID: **FB** Lab Sample ID: **21G0535-05**

Matrix: Water Collected By: TAR/RAD Date/Time Collected: 07/14/21 19:40

Semivolatiles by GC/MS

Method: 8270 Prepared: 07/15/21 15:31

Units: ug/L Analyzed: 07/21/21 00:34

<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: 07/16/21 13:33

Units: ug/L Analyzed: 07/19/21 10:39

<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: 07/15/21 12:51

Units: ug/L Analyzed: 07/16/21 10:47

<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 : 07/15/21

Funding Code: CS29 B50 Temperature C: 5.00

Client Sample ID: **FB** Lab Sample ID: **21G0535-05**

Matrix: Water Collected By: TAR/RAD Date/Time Collected: 07/14/21 19:40

Metals by EPA 6000/7000 Series Methods

Method: SW-846 6010 Prepared: 07/15/21 12:51

Units: ug/L Analyzed: 07/16/21 10:47

<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	549		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 : 07/15/21

Funding Code: CS29 B50 Temperature C: 5.00

Client Sample ID: **TB-W54** Lab Sample ID: **21G0535-06**

Matrix: Water Collected By: RAD Date/Time Collected: 07/14/21 0:00

Volatile Organic Compounds by GC/MS *

Method: 524.3 Prepared: 07/17/21 08:00

Units: ug/L Analyzed: 07/17/21 19:28

<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		0.50
1,2-Dichlorobenzene	< 0.50		0.50
1,2-Dichloroethane	< 0.50		0.50
1,2-Dichloropropane	< 0.50		0.50
1,4-Dichlorobenzene	< 0.50		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	O1	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	J6	0.50
Xylenes, total	< 0.50		0.50

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LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: 2010355004 Date Received : 07/15/21

Funding Code: CS29 B50 Temperature C: 5.00

Client Sample ID: **TB-W54** Lab Sample ID: **21G0535-06**

Matrix: Water Collected By: RAD Date/Time Collected: 07/14/21 0:00

Volatiles Organic Compounds by Purge and Trap GC/MS

Method: 8260 Prepared: 07/17/21 09:30

Units: ug/L Analyzed: 07/17/21 21:39

<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	O1	5.0

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LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: 2010355004 Date Received : 07/15/21

Funding Code: CS29 B50 Temperature C: 5.00

Client Sample ID: **TB-W54** Lab Sample ID: **21G0535-06**

Matrix: Water Collected By: RAD Date/Time Collected: 07/14/21 0:00

Volatiles Organic Compounds by Purge and Trap GC/MS

Method: 8260 Prepared: 07/17/21 09:30

Units: ug/L Analyzed: 07/17/21 21:39

<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 :	07/15/21
Project/Facility Number:	2010355004	Temperature C:	5.00
Funding Code:	CS29 B50		

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LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: 2010355004 Date Received : 07/15/21

Funding Code: CS29 B50 Temperature C: 5.00

Client Sample ID: **W54 DECANTED** Lab Sample ID: **21G0535-07**

Matrix: Water Collected By: RAD Date/Time Collected: 07/14/21 14:10

Metals by EPA 6000/7000 Series Methods

Method: SW-846 6010 Prepared: 07/19/21 15:55

Units: ug/L Analyzed: 07/20/21 14:05

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>
Aluminum	835		100
Antimony	< 10.0		10.0
Arsenic	< 10.0		10.0
Barium	48.9		10.0
Beryllium	< 1.00		1.00
Boron	98.7		25.0
Cadmium	< 3.00		3.00
Calcium	119000		300
Chromium	< 5.00		5.00
Cobalt	< 10.0		10.0
Copper	< 10.0		10.0
Hardness	528000		1980
Iron	1460		150
Lead	< 5.00		5.00
Magnesium	56200		300
Manganese	21.0		15.0
Nickel	< 5.00		5.00
Potassium	1760		1400
Selenium	< 25.0		25.0
Silver	< 3.00		3.00
Sodium	22800		300
Strontium	75.5		5.00
Thallium	< 10.0		10.0

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LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: 2010355004 Date Received : 07/15/21

Funding Code: CS29 B50 Temperature C: 5.00

Client Sample ID: **W54 DECANTED** Lab Sample ID: **21G0535-07**

Matrix: Water Collected By: RAD Date/Time Collected: 07/14/21 14:10

Metals by EPA 6000/7000 Series Methods

Method: SW-846 6010 Prepared: 07/19/21 15:55

Units: ug/L Analyzed: 07/20/21 14:05

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>
Vanadium	< 5.00		5.00
Zinc	< 25.0		25.0

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LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: 2010355004 Date Received : 07/15/21

Funding Code: CS29 B50 Temperature C: 5.00

Client Sample ID: **W41 DECANTED** Lab Sample ID: **21G0535-08**

Matrix: Water Collected By: RAD Date/Time Collected: 07/14/21 16:40

Metals by EPA 6000/7000 Series Methods

Method: SW-846 6010 Prepared: 07/19/21 15:55

Units: ug/L Analyzed: 07/20/21 14:08

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>
Aluminum	293		100
Antimony	< 10.0		10.0
Arsenic	< 10.0		10.0
Barium	58.4		10.0
Beryllium	< 1.00		1.00
Boron	123		25.0
Cadmium	< 3.00		3.00
Calcium	107000		300
Chromium	351		5.00
Cobalt	< 10.0		10.0
Copper	< 10.0		10.0
Hardness	442000		1980
Iron	2940		150
Lead	< 5.00		5.00
Magnesium	42400		300
Manganese	24.8		15.0
Nickel	38.5		5.00
Potassium	1620		1400
Selenium	< 25.0		25.0
Silver	< 3.00		3.00
Sodium	65400		300
Strontium	119		5.00
Thallium	< 10.0		10.0

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LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: 2010355004 Date Received : 07/15/21

Funding Code: CS29 B50 Temperature C: 5.00

Client Sample ID: **W41 DECANTED** Lab Sample ID: **21G0535-08**

Matrix: Water Collected By: RAD Date/Time Collected: 07/14/21 16:40

Metals by EPA 6000/7000 Series Methods

Method: SW-846 6010 Prepared: 07/19/21 15:55

Units: ug/L Analyzed: 07/20/21 14:08

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>
Vanadium	< 5.00		5.00
Zinc	< 25.0		25.0

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LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: 2010355004 Date Received : 07/15/21

Funding Code: CS29 B50 Temperature C: 5.00

Client Sample ID: **W52 DECANTED** Lab Sample ID: **21G0535-09**

Matrix: Water Collected By: RAD Date/Time Collected: 07/14/21 17:30

Metals by EPA 6000/7000 Series Methods

Method: SW-846 6010 Prepared: 07/19/21 15:55

Units: ug/L Analyzed: 07/20/21 14:14

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>
Aluminum	1990		100
Antimony	< 10.0		10.0
Arsenic	< 10.0		10.0
Barium	80.5		10.0
Beryllium	< 1.00		1.00
Boron	61.9		25.0
Cadmium	< 3.00		3.00
Calcium	70400		300
Chromium	181		5.00
Cobalt	< 10.0		10.0
Copper	26.1		10.0
Hardness	278000		1980
Iron	3850		150
Lead	< 5.00		5.00
Magnesium	24900		300
Manganese	79.2		15.0
Nickel	190		5.00
Potassium	1630		1400
Selenium	< 25.0		25.0
Silver	< 3.00		3.00
Sodium	71200		300
Strontium	130		5.00
Thallium	< 10.0		10.0

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LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: 2010355004 Date Received : 07/15/21

Funding Code: CS29 B50 Temperature C: 5.00

Client Sample ID: **W52 DECANTED** Lab Sample ID: **21G0535-09**

Matrix: Water Collected By: RAD Date/Time Collected: 07/14/21 17:30

Metals by EPA 6000/7000 Series Methods

Method: SW-846 6010 Prepared: 07/19/21 15:55

Units: ug/L Analyzed: 07/20/21 14:14

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>
Vanadium	< 5.00		5.00
Zinc	< 25.0		25.0

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LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: 2010355004 Date Received : 07/15/21

Funding Code: CS29 B50 Temperature C: 5.00

Client Sample ID: **W53 DECANTED** Lab Sample ID: **21G0535-10**

Matrix: Water Collected By: RAD Date/Time Collected: 07/14/21 18:30

Metals by EPA 6000/7000 Series Methods

Method: SW-846 6010 Prepared: 07/19/21 15:55

Units: ug/L Analyzed: 07/20/21 14:17

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>
Aluminum	786		100
Antimony	< 10.0		10.0
Arsenic	< 10.0		10.0
Barium	51.7		10.0
Beryllium	< 1.00		1.00
Boron	73.8		25.0
Cadmium	< 3.00		3.00
Calcium	38800		300
Chromium	68.4		5.00
Cobalt	< 10.0		10.0
Copper	< 10.0		10.0
Hardness	158000		1980
Iron	1980		150
Lead	< 5.00		5.00
Magnesium	14900		300
Manganese	31.3		15.0
Nickel	41.8		5.00
Potassium	2040		1400
Selenium	< 25.0		25.0
Silver	< 3.00		3.00
Sodium	553000		3000
Strontium	98.7		5.00
Thallium	< 10.0		10.0

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LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: 2010355004 Date Received : 07/15/21

Funding Code: CS29 B50 Temperature C: 5.00

Client Sample ID: **W53 DECANTED** Lab Sample ID: **21G0535-10**

Matrix: Water Collected By: RAD Date/Time Collected: 07/14/21 18:30

Metals by EPA 6000/7000 Series Methods

Method: SW-846 6010 Prepared: 07/19/21 15:55

Units: ug/L Analyzed: 07/20/21 14:17

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>
Vanadium	< 5.00		5.00
Zinc	< 25.0		25.0

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LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: 2010355004 Date Received : 07/15/21

Funding Code: CS29 B50 Temperature C: 5.00

Client Sample ID: **FB DECANTED** Lab Sample ID: **21G0535-11**

Matrix: Water Collected By: RAD Date/Time Collected: 07/14/21 19:40

Metals by EPA 6000/7000 Series Methods

Method: SW-846 6010 Prepared: 07/19/21 15:55

Units: ug/L Analyzed: 07/20/21 14:20

<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	30.6		25.0
Cadmium	< 3.00		3.00
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

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LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: 2010355004 Date Received : 07/15/21

Funding Code: CS29 B50 Temperature C: 5.00

Client Sample ID: **FB DECANTED** Lab Sample ID: **21G0535-11**

Matrix: Water Collected By: RAD Date/Time Collected: 07/14/21 19:40

Metals by EPA 6000/7000 Series Methods

Method: SW-846 6010 Prepared: 07/19/21 15:55

Units: ug/L Analyzed: 07/20/21 14:20

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>
Vanadium	< 5.00		5.00
Zinc	< 25.0		25.0

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LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: 2010355004 Date Received : 07/15/21

Funding Code: CS29 B50 Temperature C: 5.00

Notes and Definitions

- O1 Quality control sample failed high - possible high bias or false positive result.
- J6 Blank spike failed high - possible high bias or false positive result.
- ND Analyte NOT DETECTED at or above the reporting limit
- * Non-NELAP accredited

Method 8270: There was insufficient amount of sample to perform matrix spike/matrix spike duplicate analyses. NELAC and method requirements were not met.

Report Authorized by:

Tom Weiss
Laboratory Manager

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