



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: **W31** Lab Sample ID: **21G0532-01**

Matrix: Water Collected By: MW Date/Time Collected: 07/14/21 15:25

Volatiles Organic Compounds by Purge and Trap GC/MS

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

Units: ug/L Analyzed: 07/17/21 17:52

<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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Units: ug/L Analyzed: 07/17/21 17:52

<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: **W31** Lab Sample ID: **21G0532-01**

Matrix: Water Collected By: MW Date/Time Collected: 07/14/21 15:25

Semivolatiles by GC/MS

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

Units: ug/L Analyzed: 07/20/21 19:57

<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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Units: ug/L Analyzed: 07/20/21 19:57

<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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<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 19:57

<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 19:57

<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 10:14

<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 10:15

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>
Aluminum	1450		100
Antimony	< 10.0		10.0
Arsenic	< 10.0		10.0
Barium	47.9		10.0
Beryllium	< 1.00		1.00
Boron	65.8		25.0
Cadmium	< 3.00		3.00

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Funding Code: CS29 B50 Temperature C: 5.00

Client Sample ID: **W31** Lab Sample ID: **21G0532-01**

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Metals by EPA 6000/7000 Series Methods

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

Units: ug/L Analyzed: 07/16/21 10:15

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>
Calcium	116000		300
Chromium	< 5.00		5.00
Cobalt	< 10.0		10.0
Copper	< 10.0		10.0
Hardness	468000		1980
Iron	2360		150
Lead	< 5.00		5.00
Magnesium	43100		300
Manganese	77.8		15.0
Nickel	< 5.00		5.00
Potassium	< 1400		1400
Selenium	< 25.0		25.0
Silver	< 3.00		3.00
Sodium	10800		300
Strontium	71.8		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: **W31 DECANTED** Lab Sample ID: **21G0532-02**

Matrix: Water Collected By: MW Date/Time Collected: 07/14/21 15:25

Metals by EPA 6000/7000 Series Methods

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

Units: ug/L Analyzed: 07/20/21 13:47

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>
Aluminum	519		100
Antimony	< 10.0		10.0
Arsenic	< 10.0		10.0
Barium	41.7		10.0
Beryllium	< 1.00		1.00
Boron	103		25.0
Cadmium	< 3.00		3.00
Calcium	104000		300
Chromium	< 5.00		5.00
Cobalt	< 10.0		10.0
Copper	< 10.0		10.0
Hardness	422000		1980
Iron	762		150
Lead	< 5.00		5.00
Magnesium	39300		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	10700		300
Strontium	66.6		5.00
Thallium	< 10.0		10.0

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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: **W31 DECANTED** Lab Sample ID: **21G0532-02**

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Metals by EPA 6000/7000 Series Methods

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

Units: ug/L Analyzed: 07/20/21 13:47

<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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Name: **CHEMTOOL**

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

Funding Code: CS29 B50 Temperature C: 5.00

Client Sample ID: **W22** Lab Sample ID: **21G0532-03**

Matrix: Water Collected By: MW Date/Time Collected: 07/14/21 16:25

Volatiles Organic Compounds by Purge and Trap GC/MS

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

Units: ug/L Analyzed: 07/17/21 18:15

<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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Volatiles Organic Compounds by Purge and Trap GC/MS

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

Units: ug/L Analyzed: 07/17/21 18:15

<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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Name: **CHEMTOOL**

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

Funding Code: CS29 B50 Temperature C: 5.00

Client Sample ID: **W22** Lab Sample ID: **21G0532-03**

Matrix: Water Collected By: MW Date/Time Collected: 07/14/21 16:25

Semivolatiles by GC/MS

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

Units: ug/L Analyzed: 07/20/21 20:32

<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: **W22** Lab Sample ID: **21G0532-03**

Matrix: Water Collected By: MW Date/Time Collected: 07/14/21 16:25

Semivolatiles by GC/MS

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

Units: ug/L Analyzed: 07/20/21 20:32

<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: **W22** Lab Sample ID: **21G0532-03**

Matrix: Water Collected By: MW Date/Time Collected: 07/14/21 16:25

Semivolatiles by GC/MS

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

Units: ug/L Analyzed: 07/20/21 20:32

<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: **W22** Lab Sample ID: **21G0532-03**

Matrix: Water Collected By: MW Date/Time Collected: 07/14/21 16:25

Semivolatiles by GC/MS

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

Units: ug/L Analyzed: 07/20/21 20:32

<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: **W22** Lab Sample ID: **21G0532-03**

Matrix: Water Collected By: MW Date/Time Collected: 07/14/21 16:25

Semivolatiles by GC/MS

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

Units: ug/L Analyzed: 07/20/21 20:32

<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 10:16

<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 10:18

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>
Aluminum	2320		100
Antimony	< 10.0		10.0
Arsenic	< 10.0		10.0
Barium	62.3		10.0
Beryllium	< 1.00		1.00
Boron	39.2		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: **W22** Lab Sample ID: **21G0532-03**

Matrix: Water Collected By: MW Date/Time Collected: 07/14/21 16:25

Metals by EPA 6000/7000 Series Methods

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

Units: ug/L Analyzed: 07/16/21 10:18

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>
Calcium	152000		300
Chromium	17.4		5.00
Cobalt	< 10.0		10.0
Copper	< 10.0		10.0
Hardness	682000		1980
Iron	5450		150
Lead	< 5.00		5.00
Magnesium	73500		300
Manganese	203		15.0
Nickel	10.7		5.00
Potassium	1430		1400
Selenium	< 25.0		25.0
Silver	4.02		3.00
Sodium	14000		300
Strontium	74.4		5.00
Thallium	< 10.0		10.0
Vanadium	6.44		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: **W22 DECANTED** Lab Sample ID: **21G0532-04**

Matrix: Water Collected By: MW Date/Time Collected: 07/14/21 16:25

Metals by EPA 6000/7000 Series Methods

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

Units: ug/L Analyzed: 07/20/21 13:50

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>
Aluminum	862		100
Antimony	< 10.0		10.0
Arsenic	< 10.0		10.0
Barium	49.9		10.0
Beryllium	< 1.00		1.00
Boron	73.3		25.0
Cadmium	< 3.00		3.00
Calcium	97900		300
Chromium	< 5.00		5.00
Cobalt	< 10.0		10.0
Copper	< 10.0		10.0
Hardness	451000		1980
Iron	1580		150
Lead	< 5.00		5.00
Magnesium	50100		300
Manganese	34.0		15.0
Nickel	< 5.00		5.00
Potassium	< 1400		1400
Selenium	< 25.0		25.0
Silver	< 3.00		3.00
Sodium	14000		300
Strontium	55.6		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: **W22 DECANTED** Lab Sample ID: **21G0532-04**

Matrix: Water Collected By: MW Date/Time Collected: 07/14/21 16:25

Metals by EPA 6000/7000 Series Methods

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

Units: ug/L Analyzed: 07/20/21 13:50

<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: **W45** Lab Sample ID: **21G0532-05**

Matrix: Water Collected By: MW Date/Time Collected: 07/14/21 17:00

Volatiles Organic Compounds by Purge and Trap GC/MS

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

Units: ug/L Analyzed: 07/17/21 18:38

<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: **W45** Lab Sample ID: **21G0532-05**

Matrix: Water Collected By: MW Date/Time Collected: 07/14/21 17:00

Volatiles Organic Compounds by Purge and Trap GC/MS

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

Units: ug/L Analyzed: 07/17/21 18:38

<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: **W45** Lab Sample ID: **21G0532-05**

Matrix: Water Collected By: MW Date/Time Collected: 07/14/21 17:00

Semivolatiles by GC/MS

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

Units: ug/L Analyzed: 07/20/21 21:06

<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: **W45** Lab Sample ID: **21G0532-05**

Matrix: Water Collected By: MW Date/Time Collected: 07/14/21 17:00

Semivolatiles by GC/MS

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

Units: ug/L Analyzed: 07/20/21 21:06

<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: **W45** Lab Sample ID: **21G0532-05**

Matrix: Water Collected By: MW Date/Time Collected: 07/14/21 17:00

Semivolatiles by GC/MS

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

Units: ug/L Analyzed: 07/20/21 21:06

<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: **W45** Lab Sample ID: **21G0532-05**

Matrix: Water Collected By: MW Date/Time Collected: 07/14/21 17:00

Semivolatiles by GC/MS

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

Units: ug/L Analyzed: 07/20/21 21:06

<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: **W45** Lab Sample ID: **21G0532-05**

Matrix: Water Collected By: MW Date/Time Collected: 07/14/21 17:00

Semivolatiles by GC/MS

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

Units: ug/L Analyzed: 07/20/21 21:06

<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 10:23

<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 10:27

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>
Aluminum	1350		100
Antimony	< 10.0		10.0
Arsenic	< 10.0		10.0
Barium	33.2		10.0
Beryllium	< 1.00		1.00
Boron	32.7		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: **W45** Lab Sample ID: **21G0532-05**

Matrix: Water Collected By: MW Date/Time Collected: 07/14/21 17:00

Metals by EPA 6000/7000 Series Methods

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

Units: ug/L Analyzed: 07/16/21 10:27

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>
Calcium	74300		300
Chromium	< 5.00		5.00
Cobalt	< 10.0		10.0
Copper	< 10.0		10.0
Hardness	324000		1980
Iron	1550		150
Lead	< 5.00		5.00
Magnesium	33600		300
Manganese	51.9		15.0
Nickel	< 5.00		5.00
Potassium	< 1400		1400
Selenium	< 25.0		25.0
Silver	< 3.00		3.00
Sodium	1460		300
Strontium	38.9		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: **W45 DECANTED** Lab Sample ID: **21G0532-06**

Matrix: Water Collected By: MW Date/Time Collected: 07/14/21 17:00

Metals by EPA 6000/7000 Series Methods

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

Units: ug/L Analyzed: 07/20/21 13:59

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>
Aluminum	889		100
Antimony	< 10.0		10.0
Arsenic	< 10.0		10.0
Barium	28.0		10.0
Beryllium	< 1.00		1.00
Boron	78.1		25.0
Cadmium	< 3.00		3.00
Calcium	70900		300
Chromium	< 5.00		5.00
Cobalt	< 10.0		10.0
Copper	< 10.0		10.0
Hardness	315000		1980
Iron	1060		150
Lead	< 5.00		5.00
Magnesium	33600		300
Manganese	27.4		15.0
Nickel	< 5.00		5.00
Potassium	< 1400		1400
Selenium	< 25.0		25.0
Silver	< 3.00		3.00
Sodium	1650		300
Strontium	37.3		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: **W45 DECANTED** Lab Sample ID: **21G0532-06**

Matrix: Water Collected By: MW Date/Time Collected: 07/14/21 17:00

Metals by EPA 6000/7000 Series Methods

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

Units: ug/L Analyzed: 07/20/21 13:59

<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: **W12R** Lab Sample ID: **21G0532-07**

Matrix: Water Collected By: MW Date/Time Collected: 07/14/21 17:40

Volatiles Organic Compounds by Purge and Trap GC/MS

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

Units: ug/L Analyzed: 07/17/21 19:00

<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: **W12R** Lab Sample ID: **21G0532-07**

Matrix: Water Collected By: MW Date/Time Collected: 07/14/21 17:40

Volatiles Organic Compounds by Purge and Trap GC/MS

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

Units: ug/L Analyzed: 07/17/21 19:00

<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: **W12R** Lab Sample ID: **21G0532-07**

Matrix: Water Collected By: MW Date/Time Collected: 07/14/21 17:40

Semivolatiles by GC/MS

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

Units: ug/L Analyzed: 07/20/21 21:41

<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: **W12R** Lab Sample ID: **21G0532-07**

Matrix: Water Collected By: MW Date/Time Collected: 07/14/21 17:40

Semivolatiles by GC/MS

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

Units: ug/L Analyzed: 07/20/21 21:41

<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: **W12R** Lab Sample ID: **21G0532-07**

Matrix: Water Collected By: MW Date/Time Collected: 07/14/21 17:40

Semivolatiles by GC/MS

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

Units: ug/L Analyzed: 07/20/21 21:41

<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: **W12R** Lab Sample ID: **21G0532-07**

Matrix: Water Collected By: MW Date/Time Collected: 07/14/21 17:40

Semivolatiles by GC/MS

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

Units: ug/L Analyzed: 07/20/21 21:41

<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: **W12R** Lab Sample ID: **21G0532-07**

Matrix: Water Collected By: MW Date/Time Collected: 07/14/21 17:40

Semivolatiles by GC/MS

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

Units: ug/L Analyzed: 07/20/21 21:41

<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 10:25

<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 10:30

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>
Aluminum	668		100
Antimony	< 10.0		10.0
Arsenic	< 10.0		10.0
Barium	25.9		10.0
Beryllium	< 1.00		1.00
Boron	146		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: **W12R** Lab Sample ID: **21G0532-07**

Matrix: Water Collected By: MW Date/Time Collected: 07/14/21 17:40

Metals by EPA 6000/7000 Series Methods

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

Units: ug/L Analyzed: 07/16/21 10:30

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>
Calcium	73500		300
Chromium	< 5.00		5.00
Cobalt	< 10.0		10.0
Copper	< 10.0		10.0
Hardness	300000		1980
Iron	1040		150
Lead	< 5.00		5.00
Magnesium	28300		300
Manganese	36.9		15.0
Nickel	< 5.00		5.00
Potassium	< 1400		1400
Selenium	< 25.0		25.0
Silver	< 3.00		3.00
Sodium	1880		300
Strontium	72.8		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: **W12R DECANTED** Lab Sample ID: **21G0532-08**

Matrix: Water Collected By: MW Date/Time Collected: 07/14/21 17:40

Metals by EPA 6000/7000 Series Methods

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

Units: ug/L Analyzed: 07/20/21 14:02

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>
Aluminum	665		100
Antimony	< 10.0		10.0
Arsenic	< 10.0		10.0
Barium	23.6		10.0
Beryllium	< 1.00		1.00
Boron	192		25.0
Cadmium	< 3.00		3.00
Calcium	73800		300
Chromium	< 5.00		5.00
Cobalt	< 10.0		10.0
Copper	< 10.0		10.0
Hardness	308000		1980
Iron	953		150
Lead	< 5.00		5.00
Magnesium	30100		300
Manganese	29.6		15.0
Nickel	< 5.00		5.00
Potassium	< 1400		1400
Selenium	< 25.0		25.0
Silver	< 3.00		3.00
Sodium	2130		300
Strontium	66.6		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: **W12R DECANTED** Lab Sample ID: **21G0532-08**

Matrix: Water Collected By: MW Date/Time Collected: 07/14/21 17:40

Metals by EPA 6000/7000 Series Methods

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

Units: ug/L Analyzed: 07/20/21 14:02

<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: **TB-W31** Lab Sample ID: **21G0532-09**

Matrix: Water Collected By: MW Date/Time Collected: 07/14/21 16:10

Volatiles Organic Compounds by Purge and Trap GC/MS

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

Units: ug/L Analyzed: 07/17/21 19:23

<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-W31** Lab Sample ID: **21G0532-09**

Matrix: Water Collected By: MW Date/Time Collected: 07/14/21 16:10

Volatiles Organic Compounds by Purge and Trap GC/MS

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

Units: ug/L Analyzed: 07/17/21 19:23

<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

Notes and Definitions

- O1 Quality control sample 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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