



Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: [none] Date Received : 06/15/21

Funding Code: WP02 Visit Number:

Trip ID: Temperature C: 4.00

Client Sample ID: **C-1** Lab Sample ID: **21F0567-01**

Matrix: Water Date/Time Collected: 06/15/21 12:55

Sample Type: Grab Field pH: 8.7 Collected By: TAB

Volatiles Organic Compounds by Purge and Trap GC/MS

Method: 8260 Prepared: 06/17/21 08:00

Units: ug/L Analyzed: 06/17/21 20:20

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Chloromethane	ND		2.0	
Vinyl chloride	ND		2.0	
Bromomethane	ND		5.0	
Chloroethane	ND		2.0	
Trichlorofluoromethane	ND		2.0	
Acetone	ND		10	
1,1-Dichloroethene	ND		2.0	
Methylene chloride	ND		5.0	
Carbon disulfide	ND		2.0	
trans-1,2-Dichloroethene	ND		2.0	
Methyl tert-butyl ether	ND		2.0	
1,1-Dichloroethane	ND		2.0	
2-Butanone (MEK)	ND		10	
cis-1,2-Dichloroethene	ND		2.0	
Bromochloromethane	ND		2.0	
Chloroform	ND		2.0	
2,2-Dichloropropane	ND		2.0	
1,2-Dichloroethane	ND		2.0	
1,1,1-Trichloroethane	ND		2.0	
1,1-Dichloropropene	ND		2.0	
Carbon tetrachloride	ND		2.0	
Benzene	ND		2.0	
Dibromomethane	ND		2.0	
1,2-Dichloropropane	ND		2.0	

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Name: **CHEMTOOL**

Project/Facility Number: [none] Date Received : 06/15/21

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<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Trichloroethene	ND		2.0	
Bromodichloromethane	ND		2.0	
cis-1,3-Dichloropropene	ND		2.0	
4-Methyl-2-pentanone (MIBK)	ND		10	
trans-1,3-Dichloropropene	ND		5.0	
1,1,2-Trichloroethane	ND		2.0	
Toluene	ND		2.0	
1,3-Dichloropropane	ND		2.0	
2-Hexanone (MBK)	ND		5.0	
Dibromochloromethane	ND		5.0	
1,2-Dibromoethane	ND		2.0	
Tetrachloroethene	ND		2.0	
1,1,1,2-Tetrachloroethane	ND		2.0	
Chlorobenzene	ND		2.0	
Ethylbenzene	ND		2.0	
Bromoform	ND		5.0	
Styrene	ND		2.0	
1,1,2,2-Tetrachloroethane	ND		2.0	
Xylenes, total	ND		2.0	
1,2,3-Trichloropropane	ND		2.0	
Isopropylbenzene	ND		2.0	
Bromobenzene	ND		2.0	

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Name: **CHEMTOOL**

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Trip ID: Temperature C: 4.00

Client Sample ID: **C-1** Lab Sample ID: **21F0567-01**

Matrix: Water Date/Time Collected: 06/15/21 12:55

Sample Type: Grab Field pH: 8.7 Collected By: TAB

Semivolatiles by GC/MS

Method: 8270 Prepared: 06/16/21 09:32

Units: ug/L Analyzed: 06/17/21 12:29

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Pyridine	ND		1.5	
2-Picoline	ND		1.5	
Methyl methanesulfonate	ND		1.5	
Ethyl methanesulfonate	ND		1.5	
Phenol	ND		1.5	
Bis(2-chloroethyl)ether	ND		1.5	
2-Chlorophenol	ND		1.5	
1,3-Dichlorobenzene	ND		1.5	
1,4-Dichlorobenzene	ND		1.5	
1,2-Dichlorobenzene	ND		1.5	
2-Methylphenol	ND		1.5	
2,2-Oxybis(1-chloropropane)	ND		1.5	
Acetophenone	ND		1.5	
4-Methylphenol	ND		1.5	
N-Nitrosodi-n-propylamine	ND		1.5	
Hexachloroethane	ND		1.5	
Nitrobenzene	ND		1.5	
N-Nitrosopiperidine	ND		1.5	
Isophorone	ND		1.5	
2-Nitrophenol	ND		5.0	
2,4-Dimethylphenol	ND		1.5	
Bis(2-chloroethoxy)methane	ND		1.5	
2,4-Dichlorophenol	ND		1.5	
1,2,4-Trichlorobenzene	ND		1.5	

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Client Sample ID: **C-1** Lab Sample ID: **21F0567-01**

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Semivolatiles by GC/MS

Method: 8270 Prepared: 06/16/21 09:32

Units: ug/L Analyzed: 06/17/21 12:29

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Naphthalene	ND		1.5	
4-Chloroaniline	ND		1.5	
2,6-Dichlorophenol	ND		1.5	
Hexachloropropene	ND		1.5	
Hexachlorobutadiene	ND		1.5	
N-Nitrosodi-n-butylamine	ND		1.5	
4-Chloro-3-methylphenol	ND		1.5	
Isosafrole	ND		1.5	
2-Methylnaphthalene	ND		1.5	
1,2,4,5-Tetrachlorobenzene	ND		1.5	
Hexachlorocyclopentadiene	ND		1.5	
2,4,6-Trichlorophenol	ND		1.5	
2,4,5-Trichlorophenol	ND		1.5	
Safrole	ND		1.5	
2-Chloronaphthalene	ND		1.5	
1-Chloronaphthalene	ND		1.5	
2-Nitroaniline	ND		1.5	
1,4-Dinitrobenzene	ND		5.0	
Dimethylphthalate	ND		1.5	
1,3-Dinitrobenzene	ND		5.0	
2,6-Dinitrotoluene	ND		1.5	
Acenaphthylene	ND		1.5	
1,2-Dinitrobenzene	ND		1.5	
3-Nitroaniline	ND		1.5	

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Method: 8270 Prepared: 06/16/21 09:32

Units: ug/L Analyzed: 06/17/21 12:29

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Acenaphthene	ND		1.5	
2,4-Dinitrophenol	ND	O2	5.0	
4-Nitrophenol	ND		5.0	
Dibenzofuran	ND		1.5	
2,4-Dinitrotoluene	ND		5.0	
Pentachlorobenzene	ND		1.5	
1-Naphthylamine	ND		5.0	
2-Naphthylamine	ND		5.0	
2,3,4,6-Tetrachlorophenol	ND		1.5	
Diethylphthalate	ND		1.5	
4-Chlorophenyl phenyl ether	ND		1.5	
Fluorene	ND		1.5	
4-Nitroaniline	ND		1.5	
4,6-Dinitro-2-methylphenol	ND		5.0	
Diphenylamine	ND		1.5	
Azobenzene	ND		1.5	
Phenacetin	ND		1.5	
4-Bromophenyl phenyl ether	ND		1.5	
Hexachlorobenzene	ND		1.5	
Pentachlorophenol	ND	O2	5.0	
Pronamide	ND		1.5	
Pentachloronitrobenzene	ND		1.5	
Phenanthrene	ND		1.5	
Anthracene	ND		1.5	

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Method: 8270 Prepared: 06/16/21 09:32

Units: ug/L Analyzed: 06/17/21 12:29

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Carbazole	ND		1.5	
4-Nitrobiphenyl	ND		5.0	
Di-n-butylphthalate	ND		1.5	
5-Nitroacenaphthene	ND		5.0	
Isodrin	ND		1.5	
Fluoranthene	ND		1.5	
Pyrene	ND		1.5	
p-Dimethylaminoazobenzene	ND		1.5	
Butyl benzyl phthalate	ND		5.0	
3,3-Dichlorobenzidine	ND		1.5	
Benzo(a)anthracene	ND		1.5	
Chrysene	ND		1.5	
Bis(2-ethylhexyl)phthalate	ND		5.0	
Mestranol	ND		5.0	
Di-n-octylphthalate	ND		5.0	
Benzo(b)fluoranthene	ND		1.5	
7,12-Dimethylbenzo(a)anthracene	ND		5.0	
Benzo(k)fluoranthene	ND		1.5	
Benzo(a)pyrene	ND		1.5	
Indeno(1,2,3-cd)pyrene	ND		5.0	
Dibenzo(a,h)anthracene	ND		5.0	
Benzo(ghi)perylene	ND		5.0	

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Trip ID: Temperature C: 4.00

Client Sample ID: **C-1** Lab Sample ID: **21F0567-01**

Matrix: Water Date/Time Collected: 06/15/21 12:55

Sample Type: Grab Field pH: 8.7 Collected By: TAB

Biochemical Oxygen Demand, 5 day, by Standard Method 5210B

Method: 5210B Prepared: 06/16/21 10:49

Units: mg/L Analyzed: 06/21/21 08:36

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
BOD 5DAY	7.00		2.00	

Metals by EPA Method 200.7 - ICP/Hardness by Standard Method 2340B

Method: 200.7/2340B Prepared: 06/17/21 08:40

Units: ug/L Analyzed: 06/17/21 22:24

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Aluminum	101		100	40000
Arsenic	ND		10.0	
Barium	55.0		5.00	
Beryllium	ND		1.00	
Boron	36.4		20.0	
Cadmium	ND		3.00	
Calcium	63500		300	100000
Chromium	ND		5.00	
Cobalt	ND		10.0	
Copper	ND		10.0	
Iron	285		200	40000
Lead	ND		5.00	
Magnesium	41500		300	100000
Manganese	154		15.0	
Nickel	ND		5.00	

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LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: [none] Date Received : 06/15/21

Funding Code: WP02 Visit Number:

Trip ID: Temperature C: 4.00

Client Sample ID: **C-1** Lab Sample ID: **21F0567-01**

Matrix: Water Date/Time Collected: 06/15/21 12:55

Sample Type: Grab Field pH: 8.7 Collected By: TAB

Metals by EPA Method 200.7 - ICP/Hardness by Standard Method 2340B

Method: 200.7/2340B Prepared: 06/17/21 08:40

Units: ug/L Analyzed: 06/17/21 22:24

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Potassium	3970		1400	100000
Selenium	ND		20.0	
Silver	ND		3.00	
Sodium	41200		1000	
Strontium	102		10.0	
Vanadium	ND		5.00	
Zinc	ND		25.0	
Hardness	329000		1980	

Nitrate-Nitrite, Colorimetric, Automated Cadmium by EPA Method 353.2

Method: 353.2 Prepared: 06/16/21 13:16

Units: mg/L Analyzed: 06/17/21 09:48

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Nitrogen, Nitrite (NO2) + Nitrate (NC)	2.30		0.100	

Nitrogen, Ammonia, Potentiometric, Ion Selective by Standard Method 4500 NH3 D

Method: SM 4500 NH3 D Prepared: 06/18/21 13:30

Units: mg/L Analyzed: 06/18/21 13:30

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
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Name: **CHEMTOOL**

Project/Facility Number: [none] Date Received : 06/15/21

Funding Code: WP02 Visit Number:

Trip ID: Temperature C: 4.00

Client Sample ID: **C-1** Lab Sample ID: **21F0567-01**

Matrix: Water Date/Time Collected: 06/15/21 12:55

Sample Type: Grab Field pH: 8.7 Collected By: TAB

Nitrogen, Ammonia, Potentiometric, Ion Selective by Standard Method 4500 NH3 D

Method: SM 4500 NH3 D Prepared: 06/18/21 13:30

Units: mg/L Analyzed: 06/18/21 13:30

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Ammonia as N	ND		0.10	

Nitrogen, Kjeldahl, Total, Colorimetric, Semi- by EPA Method 351.2

Method: 351.2 Prepared: 06/16/21 08:31

Units: mg/L Analyzed: 06/17/21 16:24

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Nitrogen, Kjeldahl	2.34		0.50	

Phosphorus, All Forms, Colorimetric, Automated, by EPA Method 365.1

Method: EPA 365.1 Prepared: 06/17/21 08:38

Units: mg/L Analyzed: 06/18/21 08:17

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Phosphorus as P	0.179		0.0050	

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Funding Code:	WP02	Temperature C:	4.00
Trip ID:		Lab Sample ID:	21F0567-01
Client Sample ID:	C-1	Date/Time Collected:	06/15/21 12:55
Matrix:	Water	Collected By:	TAB
Sample Type:	Grab	Field pH:	8.7

Total Suspended Solids by Standard Method 2540D

Method:	SM 2540D	Prepared:	06/17/21 10:55
Units:	mg/L	Analyzed:	06/17/21 10:55

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Total Suspended Solids	40		4	

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Name: **CHEMTOOL**

Project/Facility Number: [none] Date Received : 06/15/21

Funding Code: WP02 Visit Number:

Trip ID: Temperature C: 4.00

Client Sample ID: **C-2** Lab Sample ID: **21F0567-02**

Matrix: Water Date/Time Collected: 06/15/21 12:32

Sample Type: Grab Field pH: 8.6 Collected By: TAB

Volatiles Organic Compounds by Purge and Trap GC/MS

Method: 8260 Prepared: 06/17/21 08:00

Units: ug/L Analyzed: 06/17/21 20:41

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Chloromethane	ND		2.0	
Vinyl chloride	ND		2.0	
Bromomethane	ND		5.0	
Chloroethane	ND		2.0	
Trichlorofluoromethane	ND		2.0	
Acetone	ND		10	
1,1-Dichloroethene	ND		2.0	
Methylene chloride	ND		5.0	
Carbon disulfide	ND		2.0	
trans-1,2-Dichloroethene	ND		2.0	
Methyl tert-butyl ether	ND		2.0	
1,1-Dichloroethane	ND		2.0	
2-Butanone (MEK)	ND		10	
cis-1,2-Dichloroethene	ND		2.0	
Bromochloromethane	ND		2.0	
Chloroform	ND		2.0	
2,2-Dichloropropane	ND		2.0	
1,2-Dichloroethane	ND		2.0	
1,1,1-Trichloroethane	ND		2.0	
1,1-Dichloropropene	ND		2.0	
Carbon tetrachloride	ND		2.0	
Benzene	ND		2.0	
Dibromomethane	ND		2.0	
1,2-Dichloropropane	ND		2.0	

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Name: **CHEMTOOL**

Project/Facility Number: [none] Date Received : 06/15/21

Funding Code: WP02 Visit Number:

Trip ID: Temperature C: 4.00

Client Sample ID: **C-2** Lab Sample ID: **21F0567-02**

Matrix: Water Date/Time Collected: 06/15/21 12:32

Sample Type: Grab Field pH: 8.6 Collected By: TAB

Volatiles Organic Compounds by Purge and Trap GC/MS

Method: 8260 Prepared: 06/17/21 08:00

Units: ug/L Analyzed: 06/17/21 20:41

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Trichloroethene	ND		2.0	
Bromodichloromethane	ND		2.0	
cis-1,3-Dichloropropene	ND		2.0	
4-Methyl-2-pentanone (MIBK)	ND		10	
trans-1,3-Dichloropropene	ND		5.0	
1,1,2-Trichloroethane	ND		2.0	
Toluene	ND		2.0	
1,3-Dichloropropane	ND		2.0	
2-Hexanone (MBK)	ND		5.0	
Dibromochloromethane	ND		5.0	
1,2-Dibromoethane	ND		2.0	
Tetrachloroethene	ND		2.0	
1,1,1,2-Tetrachloroethane	ND		2.0	
Chlorobenzene	ND		2.0	
Ethylbenzene	ND		2.0	
Bromoform	ND		5.0	
Styrene	ND		2.0	
1,1,2,2-Tetrachloroethane	ND		2.0	
Xylenes, total	ND		2.0	
1,2,3-Trichloropropane	ND		2.0	
Isopropylbenzene	ND		2.0	
Bromobenzene	ND		2.0	

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LABORATORY RESULTS

Name:	CHEMTOOL	Date Received :	06/15/21
Project/Facility Number:	[none]	Visit Number:	
Funding Code:	WP02	Temperature C:	4.00
Trip ID:		Lab Sample ID:	21F0567-02
Client Sample ID:	C-2	Date/Time Collected:	06/15/21 12:32
Matrix:	Water	Collected By:	TAB
Sample Type:	Grab	Field pH:	8.6

Semivolatiles by GC/MS

Method:	8270	Prepared:	06/16/21 09:32
Units:	ug/L	Analyzed:	06/17/21 13:04

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Pyridine	ND		1.5	
2-Picoline	ND		1.5	
Methyl methanesulfonate	ND		1.5	
Ethyl methanesulfonate	ND		1.5	
Phenol	ND		1.5	
Bis(2-chloroethyl)ether	ND		1.5	
2-Chlorophenol	ND		1.5	
1,3-Dichlorobenzene	ND		1.5	
1,4-Dichlorobenzene	ND		1.5	
1,2-Dichlorobenzene	ND		1.5	
2-Methylphenol	ND		1.5	
2,2-Oxybis(1-chloropropane)	ND		1.5	
Acetophenone	ND		1.5	
4-Methylphenol	ND		1.5	
N-Nitrosodi-n-propylamine	ND		1.5	
Hexachloroethane	ND		1.5	
Nitrobenzene	ND		1.5	
N-Nitrosopiperidine	ND		1.5	
Isophorone	ND		1.5	
2-Nitrophenol	ND		5.0	
2,4-Dimethylphenol	ND		1.5	
Bis(2-chloroethoxy)methane	ND		1.5	
2,4-Dichlorophenol	ND		1.5	
1,2,4-Trichlorobenzene	ND		1.5	

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LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: [none] Date Received : 06/15/21

Funding Code: WP02 Visit Number:

Trip ID: Temperature C: 4.00

Client Sample ID: **C-2** Lab Sample ID: **21F0567-02**

Matrix: Water Date/Time Collected: 06/15/21 12:32

Sample Type: Grab Field pH: 8.6 Collected By: TAB

Semivolatiles by GC/MS

Method: 8270 Prepared: 06/16/21 09:32

Units: ug/L Analyzed: 06/17/21 13:04

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Naphthalene	ND		1.5	
4-Chloroaniline	ND		1.5	
2,6-Dichlorophenol	ND		1.5	
Hexachloropropene	ND		1.5	
Hexachlorobutadiene	ND		1.5	
N-Nitrosodi-n-butylamine	ND		1.5	
4-Chloro-3-methylphenol	ND		1.5	
Isosafrole	ND		1.5	
2-Methylnaphthalene	ND		1.5	
1,2,4,5-Tetrachlorobenzene	ND		1.5	
Hexachlorocyclopentadiene	ND		1.5	
2,4,6-Trichlorophenol	ND		1.5	
2,4,5-Trichlorophenol	ND		1.5	
Safrole	ND		1.5	
2-Chloronaphthalene	ND		1.5	
1-Chloronaphthalene	ND		1.5	
2-Nitroaniline	ND		1.5	
1,4-Dinitrobenzene	ND		5.0	
Dimethylphthalate	ND		1.5	
1,3-Dinitrobenzene	ND		5.0	
2,6-Dinitrotoluene	ND		1.5	
Acenaphthylene	ND		1.5	
1,2-Dinitrobenzene	ND		1.5	
3-Nitroaniline	ND		1.5	

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LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: [none] Date Received : 06/15/21

Funding Code: WP02 Visit Number:

Trip ID: Temperature C: 4.00

Client Sample ID: **C-2** Lab Sample ID: **21F0567-02**

Matrix: Water Date/Time Collected: 06/15/21 12:32

Sample Type: Grab Field pH: 8.6 Collected By: TAB

Semivolatiles by GC/MS

Method: 8270 Prepared: 06/16/21 09:32

Units: ug/L Analyzed: 06/17/21 13:04

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Acenaphthene	ND		1.5	
2,4-Dinitrophenol	ND	O2	5.0	
4-Nitrophenol	ND		5.0	
Dibenzofuran	ND		1.5	
2,4-Dinitrotoluene	ND		5.0	
Pentachlorobenzene	ND		1.5	
1-Naphthylamine	ND		5.0	
2-Naphthylamine	ND		5.0	
2,3,4,6-Tetrachlorophenol	ND		1.5	
Diethylphthalate	ND		1.5	
4-Chlorophenyl phenyl ether	ND		1.5	
Fluorene	ND		1.5	
4-Nitroaniline	ND		1.5	
4,6-Dinitro-2-methylphenol	ND		5.0	
Diphenylamine	ND		1.5	
Azobenzene	ND		1.5	
Phenacetin	ND		1.5	
4-Bromophenyl phenyl ether	ND		1.5	
Hexachlorobenzene	ND		1.5	
Pentachlorophenol	ND	O2	5.0	
Pronamide	ND		1.5	
Pentachloronitrobenzene	ND		1.5	
Phenanthrene	ND		1.5	
Anthracene	ND		1.5	

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LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: [none] Date Received : 06/15/21

Funding Code: WP02 Visit Number:

Trip ID: Temperature C: 4.00

Client Sample ID: **C-2** Lab Sample ID: **21F0567-02**

Matrix: Water Date/Time Collected: 06/15/21 12:32

Sample Type: Grab Field pH: 8.6 Collected By: TAB

Semivolatiles by GC/MS

Method: 8270 Prepared: 06/16/21 09:32

Units: ug/L Analyzed: 06/17/21 13:04

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Carbazole	ND		1.5	
4-Nitrobiphenyl	ND		5.0	
Di-n-butylphthalate	ND		1.5	
5-Nitroacenaphthene	ND		5.0	
Isodrin	ND		1.5	
Fluoranthene	ND		1.5	
Pyrene	ND		1.5	
p-Dimethylaminoazobenzene	ND		1.5	
Butyl benzyl phthalate	ND		5.0	
3,3-Dichlorobenzidine	ND		1.5	
Benzo(a)anthracene	ND		1.5	
Chrysene	ND		1.5	
Bis(2-ethylhexyl)phthalate	ND		5.0	
Mestranol	ND		5.0	
Di-n-octylphthalate	ND		5.0	
Benzo(b)fluoranthene	ND		1.5	
7,12-Dimethylbenzo(a)anthracene	ND		5.0	
Benzo(k)fluoranthene	ND		1.5	
Benzo(a)pyrene	ND		1.5	
Indeno(1,2,3-cd)pyrene	ND		5.0	
Dibenzo(a,h)anthracene	ND		5.0	
Benzo(ghi)perylene	ND		5.0	

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LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: [none] Date Received : 06/15/21

Funding Code: WP02 Visit Number:

Trip ID: Temperature C: 4.00

Client Sample ID: **C-2** Lab Sample ID: **21F0567-02**

Matrix: Water Date/Time Collected: 06/15/21 12:32

Sample Type: Grab Field pH: 8.6 Collected By: TAB

Biochemical Oxygen Demand, 5 day, by Standard Method 5210B

Method: 5210B Prepared: 06/16/21 10:49

Units: mg/L Analyzed: 06/21/21 08:36

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
BOD 5DAY	6.70		2.00	

Metals by EPA 200 Series Methods ICP/MS

Method: 200.8 Prepared: 06/17/21 11:26

Units: ug/L Analyzed: 06/17/21 13:47

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Aluminum	102		100	
Antimony	ND		2.00	
Arsenic	1.60		1.00	
Barium	52.6		5.00	
Beryllium	ND		1.00	
Cadmium	ND		3.00	
Chromium	ND		5.00	
Cobalt	ND		10.0	
Copper	ND		100	
Lead	ND		5.00	
Manganese	129		15.0	
Molybdenum	ND		20.0	
Nickel	ND		25.0	
Selenium	ND		2.00	
Silver	ND		10.0	

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LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: [none] Date Received : 06/15/21

Funding Code: WP02 Visit Number:

Trip ID: Temperature C: 4.00

Client Sample ID: **C-2** Lab Sample ID: **21F0567-02**

Matrix: Water Date/Time Collected: 06/15/21 12:32

Sample Type: Grab Field pH: 8.6 Collected By: TAB

Metals by EPA 200 Series Methods ICP/MS

Method: 200.8 Prepared: 06/17/21 11:26

Units: ug/L Analyzed: 06/17/21 13:47

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Thallium	ND		2.00	
Vanadium	6.81		5.00	
Zinc	ND		100	

Metals by EPA Method 200.7 - ICP/Hardness by Standard Method 2340B

Method: 200.7/2340B Prepared: 06/17/21 08:40

Units: ug/L Analyzed: 06/17/21 22:31

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Aluminum	ND		100	40000
Arsenic	ND		10.0	
Barium	53.4		5.00	
Beryllium	ND		1.00	
Boron	33.0		20.0	
Cadmium	ND		3.00	
Calcium	60000		300	100000
Chromium	ND		5.00	
Cobalt	ND		10.0	
Copper	ND		10.0	
Iron	209		200	40000
Lead	ND		5.00	
Magnesium	39000		300	100000

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LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: [none] Date Received : 06/15/21

Funding Code: WP02 Visit Number:

Trip ID: Temperature C: 4.00

Client Sample ID: **C-2** Lab Sample ID: **21F0567-02**

Matrix: Water Date/Time Collected: 06/15/21 12:32

Sample Type: Grab Field pH: 8.6 Collected By: TAB

Metals by EPA Method 200.7 - ICP/Hardness by Standard Method 2340B

Method: 200.7/2340B Prepared: 06/17/21 08:40

Units: ug/L Analyzed: 06/17/21 22:31

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Manganese	141		15.0	
Nickel	ND		5.00	
Potassium	3880		1400	100000
Selenium	ND		20.0	
Silver	ND		3.00	
Sodium	40500		1000	
Strontium	99.8		10.0	
Vanadium	ND		5.00	
Zinc	ND		25.0	
Hardness	311000		1980	

Nitrate-Nitrite, Colorimetric, Automated Cadmium by EPA Method 353.2

Method: 353.2 Prepared: 06/16/21 13:16

Units: mg/L Analyzed: 06/17/21 09:50

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Nitrogen, Nitrite (NO2) + Nitrate (NC)	2.16		0.100	

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LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: [none] Date Received : 06/15/21

Funding Code: WP02 Visit Number:

Trip ID: Temperature C: 4.00

Client Sample ID: **C-2** Lab Sample ID: **21F0567-02**

Matrix: Water Date/Time Collected: 06/15/21 12:32

Sample Type: Grab Field pH: 8.6 Collected By: TAB

Nitrogen, Ammonia, Potentiometric, Ion Selective by Standard Method 4500 NH3 D

Method: SM 4500 NH3 D Prepared: 06/18/21 13:30

Units: mg/L Analyzed: 06/18/21 13:30

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Ammonia as N	ND		0.10	

Nitrogen, Kjeldahl, Total, Colorimetric, Semi- by EPA Method 351.2

Method: 351.2 Prepared: 06/16/21 08:31

Units: mg/L Analyzed: 06/17/21 16:26

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Nitrogen, Kjeldahl	2.45		0.50	

Phosphorus, All Forms, Colorimetric, Automated, by EPA Method 365.1

Method: EPA 365.1 Prepared: 06/17/21 08:38

Units: mg/L Analyzed: 06/18/21 08:17

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Phosphorus as P	0.177		0.0050	

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LABORATORY RESULTS

Name:	CHEMTOOL	Date Received :	06/15/21
Project/Facility Number:	[none]	Visit Number:	
Funding Code:	WP02	Temperature C:	4.00
Trip ID:		Lab Sample ID:	21F0567-02
Client Sample ID:	C-2	Date/Time Collected:	06/15/21 12:32
Matrix:	Water	Collected By:	TAB
Sample Type:	Grab	Field pH:	8.6

Total Suspended Solids by Standard Method 2540D

Method:	SM 2540D	Prepared:	06/17/21 10:55
Units:	mg/L	Analyzed:	06/17/21 10:55

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Total Suspended Solids	34		4	

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LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: [none] Date Received : 06/15/21

Funding Code: WP02 Visit Number:

Trip ID: Temperature C: 4.00

Client Sample ID: **C-4** Lab Sample ID: **21F0567-03**

Matrix: Water Date/Time Collected: 06/15/21 11:56

Sample Type: Grab Field pH: 8.4 Collected By: TAB

Volatiles Organic Compounds by Purge and Trap GC/MS

Method: 8260 Prepared: 06/17/21 08:00

Units: ug/L Analyzed: 06/17/21 21:02

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Chloromethane	ND		2.0	
Vinyl chloride	ND		2.0	
Bromomethane	ND		5.0	
Chloroethane	ND		2.0	
Trichlorofluoromethane	ND		2.0	
Acetone	ND		10	
1,1-Dichloroethene	ND		2.0	
Methylene chloride	ND		5.0	
Carbon disulfide	ND		2.0	
trans-1,2-Dichloroethene	ND		2.0	
Methyl tert-butyl ether	ND		2.0	
1,1-Dichloroethane	ND		2.0	
2-Butanone (MEK)	ND		10	
cis-1,2-Dichloroethene	ND		2.0	
Bromochloromethane	ND		2.0	
Chloroform	ND		2.0	
2,2-Dichloropropane	ND		2.0	
1,2-Dichloroethane	ND		2.0	
1,1,1-Trichloroethane	ND		2.0	
1,1-Dichloropropene	ND		2.0	
Carbon tetrachloride	ND		2.0	
Benzene	ND		2.0	
Dibromomethane	ND		2.0	
1,2-Dichloropropane	ND		2.0	

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LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: [none] Date Received : 06/15/21

Funding Code: WP02 Visit Number:

Trip ID: Temperature C: 4.00

Client Sample ID: **C-4** Lab Sample ID: **21F0567-03**

Matrix: Water Date/Time Collected: 06/15/21 11:56

Sample Type: Grab Field pH: 8.4 Collected By: TAB

Volatiles Organic Compounds by Purge and Trap GC/MS

Method: 8260 Prepared: 06/17/21 08:00

Units: ug/L Analyzed: 06/17/21 21:02

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Trichloroethene	ND		2.0	
Bromodichloromethane	ND		2.0	
cis-1,3-Dichloropropene	ND		2.0	
4-Methyl-2-pentanone (MIBK)	ND		10	
trans-1,3-Dichloropropene	ND		5.0	
1,1,2-Trichloroethane	ND		2.0	
Toluene	ND		2.0	
1,3-Dichloropropane	ND		2.0	
2-Hexanone (MBK)	ND		5.0	
Dibromochloromethane	ND		5.0	
1,2-Dibromoethane	ND		2.0	
Tetrachloroethene	ND		2.0	
1,1,1,2-Tetrachloroethane	ND		2.0	
Chlorobenzene	ND		2.0	
Ethylbenzene	ND		2.0	
Bromoform	ND		5.0	
Styrene	ND		2.0	
1,1,2,2-Tetrachloroethane	ND		2.0	
Xylenes, total	ND		2.0	
1,2,3-Trichloropropane	ND		2.0	
Isopropylbenzene	ND		2.0	
Bromobenzene	ND		2.0	

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LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: [none] Date Received : 06/15/21

Funding Code: WP02 Visit Number:

Trip ID: Temperature C: 4.00

Client Sample ID: **C-4** Lab Sample ID: **21F0567-03**

Matrix: Water Date/Time Collected: 06/15/21 11:56

Sample Type: Grab Field pH: 8.4 Collected By: TAB

Semivolatiles by GC/MS

Method: 8270 Prepared: 06/16/21 09:32

Units: ug/L Analyzed: 06/17/21 13:38

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Pyridine	ND		1.5	
2-Picoline	ND		1.5	
Methyl methanesulfonate	ND		1.5	
Ethyl methanesulfonate	ND		1.5	
Phenol	ND		1.5	
Bis(2-chloroethyl)ether	ND		1.5	
2-Chlorophenol	ND		1.5	
1,3-Dichlorobenzene	ND		1.5	
1,4-Dichlorobenzene	ND		1.5	
1,2-Dichlorobenzene	ND		1.5	
2-Methylphenol	ND		1.5	
2,2-Oxybis(1-chloropropane)	ND		1.5	
Acetophenone	ND		1.5	
4-Methylphenol	ND		1.5	
N-Nitrosodi-n-propylamine	ND		1.5	
Hexachloroethane	ND		1.5	
Nitrobenzene	ND		1.5	
N-Nitrosopiperidine	ND		1.5	
Isophorone	ND		1.5	
2-Nitrophenol	ND		5.0	
2,4-Dimethylphenol	ND		1.5	
Bis(2-chloroethoxy)methane	ND		1.5	
2,4-Dichlorophenol	ND		1.5	
1,2,4-Trichlorobenzene	ND		1.5	

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LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: [none] Date Received : 06/15/21

Funding Code: WP02 Visit Number:

Trip ID: Temperature C: 4.00

Client Sample ID: **C-4** Lab Sample ID: **21F0567-03**

Matrix: Water Date/Time Collected: 06/15/21 11:56

Sample Type: Grab Field pH: 8.4 Collected By: TAB

Semivolatiles by GC/MS

Method: 8270 Prepared: 06/16/21 09:32

Units: ug/L Analyzed: 06/17/21 13:38

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Naphthalene	ND		1.5	
4-Chloroaniline	ND		1.5	
2,6-Dichlorophenol	ND		1.5	
Hexachloropropene	ND		1.5	
Hexachlorobutadiene	ND		1.5	
N-Nitrosodi-n-butylamine	ND		1.5	
4-Chloro-3-methylphenol	ND		1.5	
Isosafrole	ND		1.5	
2-Methylnaphthalene	ND		1.5	
1,2,4,5-Tetrachlorobenzene	ND		1.5	
Hexachlorocyclopentadiene	ND		1.5	
2,4,6-Trichlorophenol	ND		1.5	
2,4,5-Trichlorophenol	ND		1.5	
Safrole	ND		1.5	
2-Chloronaphthalene	ND		1.5	
1-Chloronaphthalene	ND		1.5	
2-Nitroaniline	ND		1.5	
1,4-Dinitrobenzene	ND		5.0	
Dimethylphthalate	ND		1.5	
1,3-Dinitrobenzene	ND		5.0	
2,6-Dinitrotoluene	ND		1.5	
Acenaphthylene	ND		1.5	
1,2-Dinitrobenzene	ND		1.5	
3-Nitroaniline	ND		1.5	

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LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: [none] Date Received : 06/15/21

Funding Code: WP02 Visit Number:

Trip ID: Temperature C: 4.00

Client Sample ID: **C-4** Lab Sample ID: **21F0567-03**

Matrix: Water Date/Time Collected: 06/15/21 11:56

Sample Type: Grab Field pH: 8.4 Collected By: TAB

Semivolatiles by GC/MS

Method: 8270 Prepared: 06/16/21 09:32

Units: ug/L Analyzed: 06/17/21 13:38

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Acenaphthene	ND		1.5	
2,4-Dinitrophenol	ND	O2	5.0	
4-Nitrophenol	ND		5.0	
Dibenzofuran	ND		1.5	
2,4-Dinitrotoluene	ND		5.0	
Pentachlorobenzene	ND		1.5	
1-Naphthylamine	ND		5.0	
2-Naphthylamine	ND		5.0	
2,3,4,6-Tetrachlorophenol	ND		1.5	
Diethylphthalate	ND		1.5	
4-Chlorophenyl phenyl ether	ND		1.5	
Fluorene	ND		1.5	
4-Nitroaniline	ND		1.5	
4,6-Dinitro-2-methylphenol	ND		5.0	
Diphenylamine	ND		1.5	
Azobenzene	ND		1.5	
Phenacetin	ND		1.5	
4-Bromophenyl phenyl ether	ND		1.5	
Hexachlorobenzene	ND		1.5	
Pentachlorophenol	ND	O2	5.0	
Pronamide	ND		1.5	
Pentachloronitrobenzene	ND		1.5	
Phenanthrene	ND		1.5	
Anthracene	ND		1.5	

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LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: [none] Date Received : 06/15/21

Funding Code: WP02 Visit Number:

Trip ID: Temperature C: 4.00

Client Sample ID: **C-4** Lab Sample ID: **21F0567-03**

Matrix: Water Date/Time Collected: 06/15/21 11:56

Sample Type: Grab Field pH: 8.4 Collected By: TAB

Semivolatiles by GC/MS

Method: 8270 Prepared: 06/16/21 09:32

Units: ug/L Analyzed: 06/17/21 13:38

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Carbazole	ND		1.5	
4-Nitrobiphenyl	ND		5.0	
Di-n-butylphthalate	ND		1.5	
5-Nitroacenaphthene	ND		5.0	
Isodrin	ND		1.5	
Fluoranthene	ND		1.5	
Pyrene	ND		1.5	
p-Dimethylaminoazobenzene	ND		1.5	
Butyl benzyl phthalate	ND		5.0	
3,3-Dichlorobenzidine	ND		1.5	
Benzo(a)anthracene	ND		1.5	
Chrysene	ND		1.5	
Bis(2-ethylhexyl)phthalate	ND		5.0	
Mestranol	ND		5.0	
Di-n-octylphthalate	ND		5.0	
Benzo(b)fluoranthene	ND		1.5	
7,12-Dimethylbenzo(a)anthracene	ND		5.0	
Benzo(k)fluoranthene	ND		1.5	
Benzo(a)pyrene	ND		1.5	
Indeno(1,2,3-cd)pyrene	ND		5.0	
Dibenzo(a,h)anthracene	ND		5.0	
Benzo(ghi)perylene	ND		5.0	

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LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: [none] Date Received : 06/15/21

Funding Code: WP02 Visit Number:

Trip ID: Temperature C: 4.00

Client Sample ID: **C-4** Lab Sample ID: **21F0567-03**

Matrix: Water Date/Time Collected: 06/15/21 11:56

Sample Type: Grab Field pH: 8.4 Collected By: TAB

Biochemical Oxygen Demand, 5 day, by Standard Method 5210B

Method: 5210B Prepared: 06/16/21 10:49

Units: mg/L Analyzed: 06/21/21 08:36

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
BOD 5DAY	6.90		2.00	

Metals by EPA 200 Series Methods ICP/MS

Method: 200.8 Prepared: 06/17/21 11:26

Units: ug/L Analyzed: 06/17/21 13:52

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Aluminum	128		100	
Antimony	ND		2.00	
Arsenic	1.62		1.00	
Barium	55.0		5.00	
Beryllium	ND		1.00	
Cadmium	ND		3.00	
Chromium	ND		5.00	
Cobalt	ND		10.0	
Copper	ND		100	
Lead	ND		5.00	
Manganese	135		15.0	
Molybdenum	ND		20.0	
Nickel	ND		25.0	
Selenium	ND		2.00	
Silver	ND		10.0	

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LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: [none] Date Received : 06/15/21

Funding Code: WP02 Visit Number:

Trip ID: Temperature C: 4.00

Client Sample ID: **C-4** Lab Sample ID: **21F0567-03**

Matrix: Water Date/Time Collected: 06/15/21 11:56

Sample Type: Grab Field pH: 8.4 Collected By: TAB

Metals by EPA 200 Series Methods ICP/MS

Method: 200.8 Prepared: 06/17/21 11:26

Units: ug/L Analyzed: 06/17/21 13:52

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Thallium	ND		2.00	
Vanadium	7.36		5.00	
Zinc	ND		100	

Metals by EPA Method 200.7 - ICP/Hardness by Standard Method 2340B

Method: 200.7/2340B Prepared: 06/17/21 08:40

Units: ug/L Analyzed: 06/17/21 22:38

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Aluminum	ND		100	40000
Arsenic	ND		10.0	
Barium	57.0		5.00	
Beryllium	ND		1.00	
Boron	35.1		20.0	
Cadmium	ND		3.00	
Calcium	62800		300	100000
Chromium	ND		5.00	
Cobalt	ND		10.0	
Copper	ND		10.0	
Iron	239		200	40000
Lead	ND		5.00	
Magnesium	40000		300	100000

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LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: [none] Date Received : 06/15/21

Funding Code: WP02 Visit Number:

Trip ID: Temperature C: 4.00

Client Sample ID: **C-4** Lab Sample ID: **21F0567-03**

Matrix: Water Date/Time Collected: 06/15/21 11:56

Sample Type: Grab Field pH: 8.4 Collected By: TAB

Metals by EPA Method 200.7 - ICP/Hardness by Standard Method 2340B

Method: 200.7/2340B Prepared: 06/17/21 08:40

Units: ug/L Analyzed: 06/17/21 22:38

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Manganese	151		15.0	
Nickel	ND		5.00	
Potassium	4050		1400	100000
Selenium	ND		20.0	
Silver	ND		3.00	
Sodium	44100		1000	
Strontium	102		10.0	
Vanadium	ND		5.00	
Zinc	ND		25.0	
Hardness	322000		1980	

Nitrate-Nitrite, Colorimetric, Automated Cadmium by EPA Method 353.2

Method: 353.2 Prepared: 06/16/21 13:16

Units: mg/L Analyzed: 06/17/21 09:51

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Nitrogen, Nitrite (NO2) + Nitrate (NC)	2.18		0.100	

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LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: [none] Date Received : 06/15/21

Funding Code: WP02 Visit Number:

Trip ID: Temperature C: 4.00

Client Sample ID: **C-4** Lab Sample ID: **21F0567-03**

Matrix: Water Date/Time Collected: 06/15/21 11:56

Sample Type: Grab Field pH: 8.4 Collected By: TAB

Nitrogen, Ammonia, Potentiometric, Ion Selective by Standard Method 4500 NH3 D

Method: SM 4500 NH3 D Prepared: 06/18/21 13:30

Units: mg/L Analyzed: 06/18/21 13:30

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Ammonia as N	ND		0.10	

Nitrogen, Kjeldahl, Total, Colorimetric, Semi- by EPA Method 351.2

Method: 351.2 Prepared: 06/16/21 08:31

Units: mg/L Analyzed: 06/17/21 16:26

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Nitrogen, Kjeldahl	2.35		0.50	

Phosphorus, All Forms, Colorimetric, Automated, by EPA Method 365.1

Method: EPA 365.1 Prepared: 06/17/21 08:38

Units: mg/L Analyzed: 06/18/21 08:17

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Phosphorus as P	0.194		0.0050	

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LABORATORY RESULTS

Name:	CHEMTOOL	Date Received :	06/15/21
Project/Facility Number:	[none]	Visit Number:	
Funding Code:	WP02	Temperature C:	4.00
Trip ID:		Lab Sample ID:	21F0567-03
Client Sample ID:	C-4	Date/Time Collected:	06/15/21 11:56
Matrix:	Water	Collected By:	TAB
Sample Type:	Grab	Field pH:	8.4

Total Suspended Solids by Standard Method 2540D

Method:	SM 2540D	Prepared:	06/17/21 10:55
Units:	mg/L	Analyzed:	06/17/21 10:55

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Total Suspended Solids	40		4	

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LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: [none] Date Received : 06/15/21

Funding Code: WP02 Visit Number:

Trip ID: Temperature C: 4.00

Client Sample ID: **A** Lab Sample ID: **21F0567-04**

Matrix: Water Date/Time Collected: 06/15/21 13:37

Sample Type: Grab Field pH: 8.3 Collected By: TAB

Volatiles Organic Compounds by Purge and Trap GC/MS

Method: 8260 Prepared: 06/17/21 08:00

Units: ug/L Analyzed: 06/17/21 21:22

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Chloromethane	ND		2.0	
Vinyl chloride	ND		2.0	
Bromomethane	ND		5.0	
Chloroethane	ND		2.0	
Trichlorofluoromethane	ND		2.0	
Acetone	ND		10	
1,1-Dichloroethene	ND		2.0	
Methylene chloride	ND		5.0	
Carbon disulfide	ND		2.0	
trans-1,2-Dichloroethene	ND		2.0	
Methyl tert-butyl ether	ND		2.0	
1,1-Dichloroethane	ND		2.0	
2-Butanone (MEK)	ND		10	
cis-1,2-Dichloroethene	ND		2.0	
Bromochloromethane	ND		2.0	
Chloroform	ND		2.0	
2,2-Dichloropropane	ND		2.0	
1,2-Dichloroethane	ND		2.0	
1,1,1-Trichloroethane	ND		2.0	
1,1-Dichloropropene	ND		2.0	
Carbon tetrachloride	ND		2.0	
Benzene	ND		2.0	
Dibromomethane	ND		2.0	
1,2-Dichloropropane	ND		2.0	

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LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: [none] Date Received : 06/15/21

Funding Code: WP02 Visit Number:

Trip ID: Temperature C: 4.00

Client Sample ID: **A** Lab Sample ID: **21F0567-04**

Matrix: Water Date/Time Collected: 06/15/21 13:37

Sample Type: Grab Field pH: 8.3 Collected By: TAB

Volatiles Organic Compounds by Purge and Trap GC/MS

Method: 8260 Prepared: 06/17/21 08:00

Units: ug/L Analyzed: 06/17/21 21:22

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Trichloroethene	ND		2.0	
Bromodichloromethane	ND		2.0	
cis-1,3-Dichloropropene	ND		2.0	
4-Methyl-2-pentanone (MIBK)	ND		10	
trans-1,3-Dichloropropene	ND		5.0	
1,1,2-Trichloroethane	ND		2.0	
Toluene	ND		2.0	
1,3-Dichloropropane	ND		2.0	
2-Hexanone (MBK)	ND		5.0	
Dibromochloromethane	ND		5.0	
1,2-Dibromoethane	ND		2.0	
Tetrachloroethene	ND		2.0	
1,1,1,2-Tetrachloroethane	ND		2.0	
Chlorobenzene	ND		2.0	
Ethylbenzene	ND		2.0	
Bromoform	ND		5.0	
Styrene	ND		2.0	
1,1,2,2-Tetrachloroethane	ND		2.0	
Xylenes, total	ND		2.0	
1,2,3-Trichloropropane	ND		2.0	
Isopropylbenzene	ND		2.0	
Bromobenzene	ND		2.0	

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LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: [none] Date Received : 06/15/21

Funding Code: WP02 Visit Number:

Trip ID: Temperature C: 4.00

Client Sample ID: **A** Lab Sample ID: **21F0567-04**

Matrix: Water Date/Time Collected: 06/15/21 13:37

Sample Type: Grab Field pH: 8.3 Collected By: TAB

Semivolatiles by GC/MS

Method: 8270 Prepared: 06/16/21 09:32

Units: ug/L Analyzed: 06/17/21 14:13

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Pyridine	ND		1.5	
2-Picoline	ND		1.5	
Methyl methanesulfonate	ND		1.5	
Ethyl methanesulfonate	ND		1.5	
Phenol	ND		1.5	
Bis(2-chloroethyl)ether	ND		1.5	
2-Chlorophenol	ND		1.5	
1,3-Dichlorobenzene	ND		1.5	
1,4-Dichlorobenzene	ND		1.5	
1,2-Dichlorobenzene	ND		1.5	
2-Methylphenol	ND		1.5	
2,2-Oxybis(1-chloropropane)	ND		1.5	
Acetophenone	ND		1.5	
4-Methylphenol	ND		1.5	
N-Nitrosodi-n-propylamine	ND		1.5	
Hexachloroethane	ND		1.5	
Nitrobenzene	ND		1.5	
N-Nitrosopiperidine	ND		1.5	
Isophorone	ND		1.5	
2-Nitrophenol	ND		5.0	
2,4-Dimethylphenol	ND		1.5	
Bis(2-chloroethoxy)methane	ND		1.5	
2,4-Dichlorophenol	ND		1.5	
1,2,4-Trichlorobenzene	ND		1.5	

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LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: [none] Date Received : 06/15/21

Funding Code: WP02 Visit Number:

Trip ID: Temperature C: 4.00

Client Sample ID: **A** Lab Sample ID: **21F0567-04**

Matrix: Water Date/Time Collected: 06/15/21 13:37

Sample Type: Grab Field pH: 8.3 Collected By: TAB

Semivolatiles by GC/MS

Method: 8270 Prepared: 06/16/21 09:32

Units: ug/L Analyzed: 06/17/21 14:13

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Naphthalene	ND		1.5	
4-Chloroaniline	ND		1.5	
2,6-Dichlorophenol	ND		1.5	
Hexachloropropene	ND		1.5	
Hexachlorobutadiene	ND		1.5	
N-Nitrosodi-n-butylamine	ND		1.5	
4-Chloro-3-methylphenol	ND		1.5	
Isosafrole	ND		1.5	
2-Methylnaphthalene	ND		1.5	
1,2,4,5-Tetrachlorobenzene	ND		1.5	
Hexachlorocyclopentadiene	ND		1.5	
2,4,6-Trichlorophenol	ND		1.5	
2,4,5-Trichlorophenol	ND		1.5	
Safrole	ND		1.5	
2-Chloronaphthalene	ND		1.5	
1-Chloronaphthalene	ND		1.5	
2-Nitroaniline	ND		1.5	
1,4-Dinitrobenzene	ND		5.0	
Dimethylphthalate	ND		1.5	
1,3-Dinitrobenzene	ND		5.0	
2,6-Dinitrotoluene	ND		1.5	
Acenaphthylene	ND		1.5	
1,2-Dinitrobenzene	ND		1.5	
3-Nitroaniline	ND		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: [none] Date Received : 06/15/21

Funding Code: WP02 Visit Number:

Trip ID: Temperature C: 4.00

Client Sample ID: **A** Lab Sample ID: **21F0567-04**

Matrix: Water Date/Time Collected: 06/15/21 13:37

Sample Type: Grab Field pH: 8.3 Collected By: TAB

Semivolatiles by GC/MS

Method: 8270 Prepared: 06/16/21 09:32

Units: ug/L Analyzed: 06/17/21 14:13

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Acenaphthene	ND		1.5	
2,4-Dinitrophenol	ND	O2	5.0	
4-Nitrophenol	ND		5.0	
Dibenzofuran	ND		1.5	
2,4-Dinitrotoluene	ND		5.0	
Pentachlorobenzene	ND		1.5	
1-Naphthylamine	ND		5.0	
2-Naphthylamine	ND		5.0	
2,3,4,6-Tetrachlorophenol	ND		1.5	
Diethylphthalate	ND		1.5	
4-Chlorophenyl phenyl ether	ND		1.5	
Fluorene	ND		1.5	
4-Nitroaniline	ND		1.5	
4,6-Dinitro-2-methylphenol	ND		5.0	
Diphenylamine	ND		1.5	
Azobenzene	ND		1.5	
Phenacetin	ND		1.5	
4-Bromophenyl phenyl ether	ND		1.5	
Hexachlorobenzene	ND		1.5	
Pentachlorophenol	ND	O2	5.0	
Pronamide	ND		1.5	
Pentachloronitrobenzene	ND		1.5	
Phenanthrene	ND		1.5	
Anthracene	ND		1.5	

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LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: [none] Date Received : 06/15/21

Funding Code: WP02 Visit Number:

Trip ID: Temperature C: 4.00

Client Sample ID: **A** Lab Sample ID: **21F0567-04**

Matrix: Water Date/Time Collected: 06/15/21 13:37

Sample Type: Grab Field pH: 8.3 Collected By: TAB

Semivolatiles by GC/MS

Method: 8270 Prepared: 06/16/21 09:32

Units: ug/L Analyzed: 06/17/21 14:13

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Carbazole	ND		1.5	
4-Nitrobiphenyl	ND		5.0	
Di-n-butylphthalate	ND		1.5	
5-Nitroacenaphthene	ND		5.0	
Isodrin	ND		1.5	
Fluoranthene	ND		1.5	
Pyrene	ND		1.5	
p-Dimethylaminoazobenzene	ND		1.5	
Butyl benzyl phthalate	ND		5.0	
3,3-Dichlorobenzidine	ND		1.5	
Benzo(a)anthracene	ND		1.5	
Chrysene	ND		1.5	
Bis(2-ethylhexyl)phthalate	ND		5.0	
Mestranol	ND		5.0	
Di-n-octylphthalate	ND		5.0	
Benzo(b)fluoranthene	ND		1.5	
7,12-Dimethylbenzo(a)anthracene	ND		5.0	
Benzo(k)fluoranthene	ND		1.5	
Benzo(a)pyrene	ND		1.5	
Indeno(1,2,3-cd)pyrene	ND		5.0	
Dibenzo(a,h)anthracene	ND		5.0	
Benzo(ghi)perylene	ND		5.0	

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825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: [none] Date Received : 06/15/21

Funding Code: WP02 Visit Number:

Trip ID: Temperature C: 4.00

Client Sample ID: **A** Lab Sample ID: **21F0567-04**

Matrix: Water Date/Time Collected: 06/15/21 13:37

Sample Type: Grab Field pH: 8.3 Collected By: TAB

Biochemical Oxygen Demand, 5 day, by Standard Method 5210B

Method: 5210B Prepared: 06/16/21 10:49

Units: mg/L Analyzed: 06/21/21 08:36

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
BOD 5DAY	7.60		2.00	

Metals by EPA 200 Series Methods ICP/MS

Method: 200.8 Prepared: 06/17/21 11:26

Units: ug/L Analyzed: 06/17/21 13:56

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Aluminum	ND		100	
Antimony	ND		2.00	
Arsenic	1.34		1.00	
Barium	48.4		5.00	
Beryllium	ND		1.00	
Cadmium	ND		3.00	
Chromium	ND		5.00	
Cobalt	ND		10.0	
Copper	ND		100	
Lead	ND		5.00	
Manganese	116		15.0	
Molybdenum	ND		20.0	
Nickel	ND		25.0	
Selenium	ND		2.00	
Silver	ND		10.0	

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LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: [none] Date Received : 06/15/21

Funding Code: WP02 Visit Number:

Trip ID: Temperature C: 4.00

Client Sample ID: **A** Lab Sample ID: **21F0567-04**

Matrix: Water Date/Time Collected: 06/15/21 13:37

Sample Type: Grab Field pH: 8.3 Collected By: TAB

Metals by EPA 200 Series Methods ICP/MS

Method: 200.8 Prepared: 06/17/21 11:26

Units: ug/L Analyzed: 06/17/21 13:56

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Thallium	ND		2.00	
Vanadium	8.92		5.00	
Zinc	ND		100	

Metals by EPA Method 200.7 - ICP/Hardness by Standard Method 2340B

Method: 200.7/2340B Prepared: 06/17/21 08:40

Units: ug/L Analyzed: 06/17/21 22:45

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Aluminum	ND		100	40000
Arsenic	ND		10.0	
Barium	49.5		5.00	
Beryllium	ND		1.00	
Boron	54.3		20.0	
Cadmium	ND		3.00	
Calcium	67600		300	100000
Chromium	ND		5.00	
Cobalt	ND		10.0	
Copper	ND		10.0	
Iron	262		200	40000
Lead	ND		5.00	
Magnesium	40200		300	100000

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LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: [none] Date Received : 06/15/21

Funding Code: WP02 Visit Number:

Trip ID: Temperature C: 4.00

Client Sample ID: **A** Lab Sample ID: **21F0567-04**

Matrix: Water Date/Time Collected: 06/15/21 13:37

Sample Type: Grab Field pH: 8.3 Collected By: TAB

Metals by EPA Method 200.7 - ICP/Hardness by Standard Method 2340B

Method: 200.7/2340B Prepared: 06/17/21 08:40

Units: ug/L Analyzed: 06/17/21 22:45

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Manganese	126		15.0	
Nickel	ND		5.00	
Potassium	10600		1400	100000
Selenium	ND		20.0	
Silver	ND		3.00	
Sodium	91500		1000	
Strontium	107		10.0	
Vanadium	ND		5.00	
Zinc	ND		25.0	
Hardness	334000		1980	

Nitrate-Nitrite, Colorimetric, Automated Cadmium by EPA Method 353.2

Method: 353.2 Prepared: 06/16/21 13:16

Units: mg/L Analyzed: 06/17/21 09:52

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Nitrogen, Nitrite (NO2) + Nitrate (NC)	7.56		0.100	

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LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: [none] Date Received : 06/15/21

Funding Code: WP02 Visit Number:

Trip ID: Temperature C: 4.00

Client Sample ID: **A** Lab Sample ID: **21F0567-04**

Matrix: Water Date/Time Collected: 06/15/21 13:37

Sample Type: Grab Field pH: 8.3 Collected By: TAB

Nitrogen, Ammonia, Potentiometric, Ion Selective by Standard Method 4500 NH3 D

Method: SM 4500 NH3 D Prepared: 06/18/21 13:30

Units: mg/L Analyzed: 06/18/21 13:30

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Ammonia as N	ND		0.10	

Nitrogen, Kjeldahl, Total, Colorimetric, Semi- by EPA Method 351.2

Method: 351.2 Prepared: 06/16/21 08:31

Units: mg/L Analyzed: 06/17/21 16:28

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Nitrogen, Kjeldahl	2.77		0.50	

Phosphorus, All Forms, Colorimetric, Automated, by EPA Method 365.1

Method: EPA 365.1 Prepared: 06/17/21 08:38

Units: mg/L Analyzed: 06/18/21 08:17

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Phosphorus as P	0.365		0.0050	

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LABORATORY RESULTS

Name:	CHEMTOOL	Date Received :	06/15/21
Project/Facility Number:	[none]	Visit Number:	
Funding Code:	WP02	Temperature C:	4.00
Trip ID:		Lab Sample ID:	21F0567-04
Client Sample ID:	A	Date/Time Collected:	06/15/21 13:37
Matrix:	Water	Collected By:	TAB
Sample Type:	Grab	Field pH:	8.3

Total Suspended Solids by Standard Method 2540D

Method:	SM 2540D	Prepared:	06/17/21 10:55
Units:	mg/L	Analyzed:	06/17/21 10:55

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Total Suspended Solids	30		4	

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LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: [none] Date Received : 06/15/21

Funding Code: WP02 Visit Number:

Trip ID: Temperature C: 4.00

Client Sample ID: **TRIP BLANK** Lab Sample ID: **21F0567-05**

Matrix: Water Date/Time Collected: 06/15/21 0:00

Sample Type: Grab Field pH: Collected By: TAB

Volatiles Organic Compounds by Purge and Trap GC/MS

Method: 8260 Prepared: 06/17/21 08:00

Units: ug/L Analyzed: 06/17/21 16:34

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Chloromethane	ND		2.0	
Vinyl chloride	ND		2.0	
Bromomethane	ND		5.0	
Chloroethane	ND		2.0	
Trichlorofluoromethane	ND		2.0	
Acetone	13		10	
1,1-Dichloroethene	ND		2.0	
Methylene chloride	ND		5.0	
Carbon disulfide	ND		2.0	
trans-1,2-Dichloroethene	ND		2.0	
Methyl tert-butyl ether	ND		2.0	
1,1-Dichloroethane	ND		2.0	
2-Butanone (MEK)	ND		10	
cis-1,2-Dichloroethene	ND		2.0	
Bromochloromethane	ND		2.0	
Chloroform	ND		2.0	
2,2-Dichloropropane	ND		2.0	
1,2-Dichloroethane	ND		2.0	
1,1,1-Trichloroethane	ND		2.0	
1,1-Dichloropropene	ND		2.0	
Carbon tetrachloride	ND		2.0	
Benzene	ND		2.0	
Dibromomethane	ND		2.0	
1,2-Dichloropropane	ND		2.0	

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LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: [none] Date Received : 06/15/21

Funding Code: WP02 Visit Number:

Trip ID: Temperature C: 4.00

Client Sample ID: **TRIP BLANK** Lab Sample ID: **21F0567-05**

Matrix: Water Date/Time Collected: 06/15/21 0:00

Sample Type: Grab Field pH: Collected By: TAB

Volatiles Organic Compounds by Purge and Trap GC/MS

Method: 8260 Prepared: 06/17/21 08:00

Units: ug/L Analyzed: 06/17/21 16:34

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Trichloroethene	ND		2.0	
Bromodichloromethane	ND		2.0	
cis-1,3-Dichloropropene	ND		2.0	
4-Methyl-2-pentanone (MIBK)	ND		10	
trans-1,3-Dichloropropene	ND		5.0	
1,1,2-Trichloroethane	ND		2.0	
Toluene	ND		2.0	
1,3-Dichloropropane	ND		2.0	
2-Hexanone (MBK)	ND		5.0	
Dibromochloromethane	ND		5.0	
1,2-Dibromoethane	ND		2.0	
Tetrachloroethene	ND		2.0	
1,1,1,2-Tetrachloroethane	ND		2.0	
Chlorobenzene	ND		2.0	
Ethylbenzene	ND		2.0	
Bromoform	ND		5.0	
Styrene	ND		2.0	
1,1,2,2-Tetrachloroethane	ND		2.0	
Xylenes, total	ND		2.0	
1,2,3-Trichloropropane	ND		2.0	
Isopropylbenzene	ND		2.0	
Bromobenzene	ND		2.0	

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LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: [none] Date Received : 06/15/21

Funding Code: WP02 Visit Number:

Trip ID: Temperature C: 4.00

Client Sample ID: **C-1** Lab Sample ID: **21F0567-06**

Matrix: Water Date/Time Collected: 06/15/21 12:55

Sample Type: Grab Field pH: 8.6 Collected By: TAB

Metals by EPA 200 Series Methods ICP/MS

Method: 200.8 Prepared: 06/17/21 11:26

Units: ug/L Analyzed: 06/17/21 13:43

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Aluminum	138		100	
Antimony	ND		2.00	
Arsenic	1.66		1.00	
Barium	54.5		5.00	
Beryllium	ND		1.00	
Cadmium	ND		3.00	
Chromium	ND		5.00	
Cobalt	ND		10.0	
Copper	ND		100	
Lead	ND		5.00	
Manganese	141		15.0	
Molybdenum	ND		20.0	
Nickel	ND		25.0	
Selenium	ND		2.00	
Silver	ND		10.0	
Thallium	ND		2.00	
Vanadium	5.28		5.00	
Zinc	ND		100	

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LABORATORY RESULTS

Name:	CHEMTOOL	Date Received :	06/15/21
Project/Facility Number:	[none]	Visit Number:	
Funding Code:	WP02	Temperature C:	4.00
Trip ID:			

Notes and Definitions

O2 Quality control sample failed low - possible low bias or false non-detect result.
ND Analyte NOT DETECTED at or above the reporting limit
* Non-NELAP accredited

Method 8270: Surrogate recovery not evaluated in sample 21F0567-03.

Report Authorized by:

Tom Weiss
Laboratory Manager

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