



# 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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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>
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

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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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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

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

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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>
<b>BOD 5DAY</b>	<b>7.00</b>		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>
<b>Aluminum</b>	<b>101</b>		100	40000
Arsenic	ND		10.0	
<b>Barium</b>	<b>55.0</b>		5.00	
Beryllium	ND		1.00	
<b>Boron</b>	<b>36.4</b>		20.0	
Cadmium	ND		3.00	
<b>Calcium</b>	<b>63500</b>		300	100000
Chromium	ND		5.00	
Cobalt	ND		10.0	
Copper	ND		10.0	
<b>Iron</b>	<b>285</b>		200	40000
Lead	ND		5.00	
<b>Magnesium</b>	<b>41500</b>		300	100000
<b>Manganese</b>	<b>154</b>		15.0	
Nickel	ND		5.00	

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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>
<b>Potassium</b>	<b>3970</b>		1400	100000
Selenium	ND		20.0	
Silver	ND		3.00	
<b>Sodium</b>	<b>41200</b>		1000	
<b>Strontium</b>	<b>102</b>		10.0	
Vanadium	ND		5.00	
Zinc	ND		25.0	
<b>Hardness</b>	<b>329000</b>		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>
<b>Nitrogen, Nitrite (NO2) + Nitrate (NC)</b>	<b>2.30</b>		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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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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Project/Facility Number:	[none]	Visit Number:	
Funding Code:	WP02	Temperature C:	4.00
Trip ID:		Lab Sample ID:	<b>21F0567-01</b>
Client Sample ID:	<b>C-1</b>	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>
<b>Total Suspended Solids</b>	<b>40</b>		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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## 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-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>
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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## 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-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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## 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-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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## Illinois Environmental Protection Agency Laboratory

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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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## Illinois Environmental Protection Agency Laboratory

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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>
<b>BOD 5DAY</b>	<b>6.70</b>		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>
<b>Aluminum</b>	<b>102</b>		100	
Antimony	ND		2.00	
<b>Arsenic</b>	<b>1.60</b>		1.00	
<b>Barium</b>	<b>52.6</b>		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	
<b>Manganese</b>	<b>129</b>		15.0	
Molybdenum	ND		20.0	
Nickel	ND		25.0	
Selenium	ND		2.00	
Silver	ND		10.0	

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## Illinois Environmental Protection Agency Laboratory

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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	
<b>Vanadium</b>	<b>6.81</b>		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	
<b>Barium</b>	<b>53.4</b>		5.00	
Beryllium	ND		1.00	
<b>Boron</b>	<b>33.0</b>		20.0	
Cadmium	ND		3.00	
<b>Calcium</b>	<b>60000</b>		300	100000
Chromium	ND		5.00	
Cobalt	ND		10.0	
Copper	ND		10.0	
<b>Iron</b>	<b>209</b>		200	40000
Lead	ND		5.00	
<b>Magnesium</b>	<b>39000</b>		300	100000

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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: **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>
<b>Manganese</b>	<b>141</b>		15.0	
Nickel	ND		5.00	
<b>Potassium</b>	<b>3880</b>		1400	100000
Selenium	ND		20.0	
Silver	ND		3.00	
<b>Sodium</b>	<b>40500</b>		1000	
<b>Strontium</b>	<b>99.8</b>		10.0	
Vanadium	ND		5.00	
Zinc	ND		25.0	
<b>Hardness</b>	<b>311000</b>		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>
<b>Nitrogen, Nitrite (NO2) + Nitrate (NC)</b>	<b>2.16</b>		0.100	

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## Illinois Environmental Protection Agency Laboratory

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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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## Illinois Environmental Protection Agency Laboratory

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### LABORATORY RESULTS

Name:	<b>CHEMTOOL</b>	Date Received :	06/15/21
Project/Facility Number:	[none]	Visit Number:	
Funding Code:	WP02	Temperature C:	4.00
Trip ID:		Lab Sample ID:	<b>21F0567-02</b>
Client Sample ID:	<b>C-2</b>	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>
<b>Total Suspended Solids</b>	<b>34</b>		<b>4</b>	

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## Illinois Environmental Protection Agency Laboratory

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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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## 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-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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## Illinois Environmental Protection Agency Laboratory

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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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## Illinois Environmental Protection Agency Laboratory

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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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# Illinois Environmental Protection Agency Laboratory

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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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## Illinois Environmental Protection Agency Laboratory

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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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## Illinois Environmental Protection Agency Laboratory

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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>
<b>BOD 5DAY</b>	<b>6.90</b>		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>
<b>Aluminum</b>	<b>128</b>		100	
Antimony	ND		2.00	
<b>Arsenic</b>	<b>1.62</b>		1.00	
<b>Barium</b>	<b>55.0</b>		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	
<b>Manganese</b>	<b>135</b>		15.0	
Molybdenum	ND		20.0	
Nickel	ND		25.0	
Selenium	ND		2.00	
Silver	ND		10.0	

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## Illinois Environmental Protection Agency Laboratory

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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	
<b>Vanadium</b>	<b>7.36</b>		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	
<b>Barium</b>	<b>57.0</b>		5.00	
Beryllium	ND		1.00	
<b>Boron</b>	<b>35.1</b>		20.0	
Cadmium	ND		3.00	
<b>Calcium</b>	<b>62800</b>		300	100000
Chromium	ND		5.00	
Cobalt	ND		10.0	
Copper	ND		10.0	
<b>Iron</b>	<b>239</b>		200	40000
Lead	ND		5.00	
<b>Magnesium</b>	<b>40000</b>		300	100000

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## Illinois Environmental Protection Agency Laboratory

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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>
<b>Manganese</b>	<b>151</b>		15.0	
Nickel	ND		5.00	
<b>Potassium</b>	<b>4050</b>		1400	100000
Selenium	ND		20.0	
Silver	ND		3.00	
<b>Sodium</b>	<b>44100</b>		1000	
<b>Strontium</b>	<b>102</b>		10.0	
Vanadium	ND		5.00	
Zinc	ND		25.0	
<b>Hardness</b>	<b>322000</b>		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>
<b>Nitrogen, Nitrite (NO2) + Nitrate (NC)</b>	<b>2.18</b>		0.100	

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## Illinois Environmental Protection Agency Laboratory

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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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## Illinois Environmental Protection Agency Laboratory

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### LABORATORY RESULTS

Name:	<b>CHEMTOOL</b>	Date Received :	06/15/21
Project/Facility Number:	[none]	Visit Number:	
Funding Code:	WP02	Temperature C:	4.00
Trip ID:		Lab Sample ID:	<b>21F0567-03</b>
Client Sample ID:	<b>C-4</b>	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>
<b>Total Suspended Solids</b>	<b>40</b>		<b>4</b>	

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## Illinois Environmental Protection Agency Laboratory

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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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# Illinois Environmental Protection Agency Laboratory

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

### 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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# Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

## LABORATORY RESULTS

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

### 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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## Illinois Environmental Protection Agency Laboratory

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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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## Illinois Environmental Protection Agency Laboratory

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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

#### **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>
<b>BOD 5DAY</b>	<b>7.60</b>		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	
<b>Arsenic</b>	<b>1.34</b>		1.00	
<b>Barium</b>	<b>48.4</b>		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	
<b>Manganese</b>	<b>116</b>		15.0	
Molybdenum	ND		20.0	
Nickel	ND		25.0	
Selenium	ND		2.00	
Silver	ND		10.0	

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## Illinois Environmental Protection Agency Laboratory

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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	
<b>Vanadium</b>	<b>8.92</b>		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	
<b>Barium</b>	<b>49.5</b>		5.00	
Beryllium	ND		1.00	
<b>Boron</b>	<b>54.3</b>		20.0	
Cadmium	ND		3.00	
<b>Calcium</b>	<b>67600</b>		300	100000
Chromium	ND		5.00	
Cobalt	ND		10.0	
Copper	ND		10.0	
<b>Iron</b>	<b>262</b>		200	40000
Lead	ND		5.00	
<b>Magnesium</b>	<b>40200</b>		300	100000

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## Illinois Environmental Protection Agency Laboratory

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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>
<b>Manganese</b>	<b>126</b>		15.0	
Nickel	ND		5.00	
<b>Potassium</b>	<b>10600</b>		1400	100000
Selenium	ND		20.0	
Silver	ND		3.00	
<b>Sodium</b>	<b>91500</b>		1000	
<b>Strontium</b>	<b>107</b>		10.0	
Vanadium	ND		5.00	
Zinc	ND		25.0	
<b>Hardness</b>	<b>334000</b>		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>
<b>Nitrogen, Nitrite (NO<sub>2</sub>) + Nitrate (NC)</b>	<b>7.56</b>		0.100	

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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

#### **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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## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Name:	<b>CHEMTOOL</b>	Date Received :	06/15/21
Project/Facility Number:	[none]	Visit Number:	
Funding Code:	WP02	Temperature C:	4.00
Trip ID:		Lab Sample ID:	<b>21F0567-04</b>
Client Sample ID:	<b>A</b>	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>
<b>Total Suspended Solids</b>	<b>30</b>		<b>4</b>	

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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: **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	
<b>Acetone</b>	<b>13</b>		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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## 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: **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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## 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: **21F0567-06**

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>
<b>Aluminum</b>	<b>138</b>		100	
Antimony	ND		2.00	
<b>Arsenic</b>	<b>1.66</b>		1.00	
<b>Barium</b>	<b>54.5</b>		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	
<b>Manganese</b>	<b>141</b>		15.0	
Molybdenum	ND		20.0	
Nickel	ND		25.0	
Selenium	ND		2.00	
Silver	ND		10.0	
Thallium	ND		2.00	
<b>Vanadium</b>	<b>5.28</b>		5.00	
Zinc	ND		100	

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## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Name:	<b>CHEMTOOL</b>	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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