



# Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

## LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: [none] Date Received : 06/18/21

Funding Code: WP02 Visit Number:

Trip ID: Temperature C: 5.00

Client Sample ID: **B** Lab Sample ID: **21F0728-01**

Matrix: Water Date/Time Collected: 06/17/21 11:24

Sample Type: Field pH: 8.13 Collected By: TAB

### Volatiles Organic Compounds by Purge and Trap GC/MS

Method: 8260 Prepared: 06/18/21 11:00

Units: ug/L Analyzed: 06/18/21 15:48

<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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**Reported:**  
07/07/21 10:48  
Page 1 of 63



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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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Reported:  
07/07/21 10:48  
Page 2 of 63



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Sample Type: Field pH: 8.13 Collected By: TAB

### Semivolatiles by GC/MS

Method: 8270 Prepared: 06/18/21 14:25

Units: ug/L Analyzed: 06/19/21 13:00

<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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**Reported:**  
07/07/21 10:48  
Page 3 of 63



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Sample Type: Field pH: 8.13 Collected By: TAB

### Semivolatiles by GC/MS

Method: 8270 Prepared: 06/18/21 14:25

Units: ug/L Analyzed: 06/19/21 13:00

<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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**Reported:**  
07/07/21 10:48  
Page 4 of 63



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Units: ug/L Analyzed: 06/19/21 13:00

<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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**Reported:**  
07/07/21 10:48  
Page 5 of 63



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Units: ug/L Analyzed: 06/19/21 13:00

<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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**Reported:**  
07/07/21 10:48  
Page 6 of 63



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Sample Type: Field pH: 8.13 Collected By: TAB

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

Method: 5210B Prepared: 06/18/21 10:31

Units: mg/L Analyzed: 06/23/21 09:26

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
<b>BOD 5DAY</b>	26.7		2.00	

#### **Carbonaceous BOD, 5 day, by Standard Method 5210B**

Method: 5210B Prepared: 06/18/21 11:35

Units: mg/L Analyzed: 06/23/21 09:26

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
<b>CBOD, 5 day</b>	12.6		2.00	

#### **Metals by EPA 200 Series Methods ICP/MS**

Method: 200.8 Prepared: 06/21/21 11:57

Units: ug/L Analyzed: 06/22/21 14:50

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
<b>Antimony</b>	42.4		2.00	
<b>Molybdenum</b>	1100		20.0	

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**Reported:**  
07/07/21 10:48  
Page 7 of 63



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Trip ID: Temperature C: 5.00

Client Sample ID: **B** Lab Sample ID: **21F0728-01**

Matrix: Water Date/Time Collected: 06/17/21 11:24

Sample Type: Field pH: 8.13 Collected By: TAB

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

Method: 200.7/2340B Prepared: 06/21/21 11:47

Units: ug/L Analyzed: 06/22/21 10:47

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
<b>Aluminum</b>	117		100	40000
<b>Antimony</b>	42.0		10.0	
Arsenic	ND		10.0	
<b>Barium</b>	51.2		5.00	
Beryllium	ND		1.00	
<b>Boron</b>	825		20.0	
Cadmium	ND		3.00	
<b>Calcium</b>	79800		300	100000
Chromium	ND		5.00	
Cobalt	ND		10.0	
<b>Copper</b>	32.4		10.0	
Iron	ND		200	40000
Lead	ND		5.00	
<b>Magnesium</b>	33500		300	100000
<b>Manganese</b>	37.7		15.0	
Nickel	ND		5.00	
<b>Potassium</b>	23000		1400	100000
Selenium	ND		20.0	
Silver	ND		3.00	
<b>Sodium</b>	292000		10000	
<b>Strontium</b>	142		10.0	
Vanadium	ND		5.00	
<b>Zinc</b>	103		25.0	
<b>Hardness</b>	337000		1980	

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**Reported:**  
07/07/21 10:48  
Page 8 of 63





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Matrix: Water Date/Time Collected: 06/17/21 11:24

Sample Type: Field pH: 8.13 Collected By: TAB

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

Method: 353.2 Prepared: 06/18/21 15:58

Units: mg/L Analyzed: 06/18/21 16:51

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Nitrogen, Nitrite (NO <sub>2</sub> ) + Nitrate (NC)	5.26		0.100	

#### **Nitrogen, Ammonia, Potentiometric, Ion Selective by Standard Method 4500 NH<sub>3</sub> D**

Method: SM 4500 NH<sub>3</sub> D Prepared: 06/18/21 13:28

Units: mg/L Analyzed: 06/18/21 13:28

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Ammonia as N	5.54		0.10	

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

Method: 351.2 Prepared: 06/18/21 09:41

Units: mg/L Analyzed: 06/18/21 18:52

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Nitrogen, Kjeldahl	7.27		0.50	

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**Reported:**  
07/07/21 10:48  
Page 9 of 63



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Matrix: Water Date/Time Collected: 06/17/21 11:24

Sample Type: Field pH: 8.13 Collected By: TAB

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

Method: EPA 365.1 Prepared: 06/18/21 08:55

Units: mg/L Analyzed: 06/18/21 16:38

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
<b>Phosphorus as P</b>	<b>3.58</b>		0.0050	

#### **Total Suspended Solids by Standard Method 2540D**

Method: SM 2540D Prepared: 06/18/21 13:38

Units: mg/L Analyzed: 06/18/21 13:38

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
<b>Total Suspended Solids</b>	<b>22</b>		4	

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**Reported:**  
07/07/21 10:48  
Page 10 of 63



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Name: **CHEMTOOL**

Project/Facility Number: [none] Date Received : 06/18/21

Funding Code: WP02 Visit Number:

Trip ID: Temperature C: 5.00

Client Sample ID: **B-1** Lab Sample ID: **21F0728-02**

Matrix: Water Date/Time Collected: 06/17/21 14:00

Sample Type: Field pH: Collected By: TAB

### **Volatiles Organic Compounds by Purge and Trap GC/MS**

Method: 8260 Prepared: 06/18/21 12:00

Units: ug/L Analyzed: 06/23/21 17:45

<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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**Reported:**  
07/07/21 10:48  
Page 11 of 63



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Funding Code: WP02 Visit Number:

Trip ID: Temperature C: 5.00

Client Sample ID: **B-1** Lab Sample ID: **21F0728-02**

Matrix: Water Date/Time Collected: 06/17/21 14:00

Sample Type: Field pH: Collected By: TAB

### **Volatiles Organic Compounds by Purge and Trap GC/MS**

Method: 8260 Prepared: 06/18/21 12:00

Units: ug/L Analyzed: 06/23/21 17:45

<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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**Reported:**  
07/07/21 10:48  
Page 12 of 63



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: [none] Date Received : 06/18/21

Funding Code: WP02 Visit Number:

Trip ID: Temperature C: 5.00

Client Sample ID: **B-1** Lab Sample ID: **21F0728-02**

Matrix: Water Date/Time Collected: 06/17/21 14:00

Sample Type: Field pH: Collected By: TAB

### Semivolatiles by GC/MS

Method: 8270 Prepared: 06/18/21 14:25

Units: ug/L Analyzed: 06/19/21 13:34

<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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**Reported:**  
07/07/21 10:48  
Page 13 of 63



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: [none] Date Received : 06/18/21

Funding Code: WP02 Visit Number:

Trip ID: Temperature C: 5.00

Client Sample ID: **B-1** Lab Sample ID: **21F0728-02**

Matrix: Water Date/Time Collected: 06/17/21 14:00

Sample Type: Field pH: Collected By: TAB

### Semivolatiles by GC/MS

Method: 8270 Prepared: 06/18/21 14:25

Units: ug/L Analyzed: 06/19/21 13:34

<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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**Reported:**  
07/07/21 10:48  
Page 14 of 63



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: [none] Date Received : 06/18/21

Funding Code: WP02 Visit Number:

Trip ID: Temperature C: 5.00

Client Sample ID: **B-1** Lab Sample ID: **21F0728-02**

Matrix: Water Date/Time Collected: 06/17/21 14:00

Sample Type: Field pH: Collected By: TAB

### Semivolatiles by GC/MS

Method: 8270 Prepared: 06/18/21 14:25

Units: ug/L Analyzed: 06/19/21 13:34

<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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**Reported:**  
07/07/21 10:48  
Page 15 of 63



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: [none] Date Received : 06/18/21

Funding Code: WP02 Visit Number:

Trip ID: Temperature C: 5.00

Client Sample ID: **B-1** Lab Sample ID: **21F0728-02**

Matrix: Water Date/Time Collected: 06/17/21 14:00

Sample Type: Field pH: Collected By: TAB

### Semivolatiles by GC/MS

Method: 8270 Prepared: 06/18/21 14:25

Units: ug/L Analyzed: 06/19/21 13:34

<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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**Reported:**  
07/07/21 10:48  
Page 16 of 63





## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: [none] Date Received : 06/18/21

Funding Code: WP02 Visit Number:

Trip ID: Temperature C: 5.00

Client Sample ID: **B-1** Lab Sample ID: **21F0728-02**

Matrix: Water Date/Time Collected: 06/17/21 14:00

Sample Type: Field pH: Collected By: TAB

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

Method: 5210B Prepared: 06/18/21 10:31

Units: mg/L Analyzed: 06/23/21 09:26

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

#### **Metals by EPA 200 Series Methods ICP/MS**

Method: 200.8 Prepared: 06/21/21 11:57

Units: ug/L Analyzed: 06/22/21 14:54

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Molybdenum	ND		20.0	

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

Method: 200.7/2340B Prepared: 06/21/21 11:47

Units: ug/L Analyzed: 06/22/21 10:54

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
<b>Aluminum</b>	<b>1050</b>		100	40000
Arsenic	ND		10.0	
<b>Barium</b>	<b>47.6</b>		5.00	
Beryllium	ND		1.00	
Boron	ND		20.0	
Cadmium	ND		3.00	
<b>Calcium</b>	<b>69100</b>		300	100000

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**Reported:**  
07/07/21 10:48  
Page 17 of 63



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: [none] Date Received : 06/18/21

Funding Code: WP02 Visit Number:

Trip ID: Temperature C: 5.00

Client Sample ID: **B-1** Lab Sample ID: **21F0728-02**

Matrix: Water Date/Time Collected: 06/17/21 14:00

Sample Type: Field pH: Collected By: TAB

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

Method: 200.7/2340B Prepared: 06/21/21 11:47

Units: ug/L Analyzed: 06/22/21 10:54

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Chromium	ND		5.00	
Cobalt	ND		10.0	
Copper	ND		10.0	
<b>Iron</b>	<b>1150</b>		200	40000
Lead	ND		5.00	
<b>Magnesium</b>	<b>26400</b>		300	100000
<b>Manganese</b>	<b>120</b>		15.0	
Nickel	ND		5.00	
Potassium	ND		1400	100000
Selenium	ND		20.0	
Silver	ND		3.00	
<b>Sodium</b>	<b>4150</b>		1000	
<b>Strontium</b>	<b>60.4</b>		10.0	
Vanadium	ND		5.00	
Zinc	ND		25.0	
<b>Hardness</b>	<b>281000</b>		1980	

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

Method: 353.2 Prepared: 06/18/21 15:58

Units: mg/L Analyzed: 06/18/21 16:55

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
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**Reported:**  
07/07/21 10:48  
Page 18 of 63



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: [none] Date Received : 06/18/21

Funding Code: WP02 Visit Number:

Trip ID: Temperature C: 5.00

Client Sample ID: **B-1** Lab Sample ID: **21F0728-02**

Matrix: Water Date/Time Collected: 06/17/21 14:00

Sample Type: Field pH: Collected By: TAB

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

Method: 353.2 Prepared: 06/18/21 15:58

Units: mg/L Analyzed: 06/18/21 16:55

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Nitrogen, Nitrite (NO <sub>2</sub> ) + Nitrate (NC)	0.535		0.100	

#### **Nitrogen, Ammonia, Potentiometric, Ion Selective by Standard Method 4500 NH<sub>3</sub> D**

Method: SM 4500 NH<sub>3</sub> D Prepared: 06/18/21 13:28

Units: mg/L Analyzed: 06/18/21 13:28

<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: 06/18/21 09:41

Units: mg/L Analyzed: 06/18/21 18:26

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

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**Reported:**  
07/07/21 10:48  
Page 19 of 63



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: [none] Date Received : 06/18/21

Funding Code: WP02 Visit Number:

Trip ID: Temperature C: 5.00

Client Sample ID: **B-1** Lab Sample ID: **21F0728-02**

Matrix: Water Date/Time Collected: 06/17/21 14:00

Sample Type: Field pH: Collected By: TAB

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

Method: EPA 365.1 Prepared: 06/18/21 08:55

Units: mg/L Analyzed: 06/18/21 16:11

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Phosphorus as P	0.105		0.0050	

#### **Total Suspended Solids by Standard Method 2540D**

Method: SM 2540D Prepared: 06/18/21 13:38

Units: mg/L Analyzed: 06/18/21 13:38

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Total Suspended Solids	43		4	

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**Reported:**  
07/07/21 10:48  
Page 20 of 63



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: [none] Date Received : 06/18/21

Funding Code: WP02 Visit Number:

Trip ID: Temperature C: 5.00

Client Sample ID: **B-2** Lab Sample ID: **21F0728-03**

Matrix: Solid Date/Time Collected: 06/17/21 14:33

Sample Type: Field pH: Collected By: TAB

### **Volatiles Organic Compounds by Purge and Trap GC/MS**

Method: 8260 Prepared: 06/30/21 08:00

Units: ug/kg wet Analyzed: 06/30/21 16:06

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Chloromethane	ND	J1	2.1	
Vinyl chloride	ND	J1	2.1	
Bromomethane	ND	J1	2.1	
Chloroethane	ND	J1	2.1	
Trichlorofluoromethane	ND	J1	2.1	
<b>Acetone</b>	<b>210</b>	L, J1	10	
1,1-Dichloroethene	ND	J1	2.1	
Methylene chloride	ND	J1	5.1	
Carbon disulfide	ND	J1	2.1	
trans-1,2-Dichloroethene	ND	J7, J1	2.1	
Methyl tert-butyl ether	ND	J1	2.1	
1,1-Dichloroethane	ND	J1	2.1	
<b>2-Butanone (MEK)</b>	<b>210</b>	L, J1	10	
cis-1,2-Dichloroethene	ND	J1	2.1	
Bromochloromethane	ND	J1	2.1	
Chloroform	ND	J1	2.1	
2,2-Dichloropropane	ND	J1	2.1	
1,2-Dichloroethane	ND	J1	2.1	
1,1,1-Trichloroethane	ND	J1	2.1	
1,1-Dichloropropene	ND	J1	2.1	
Carbon tetrachloride	ND	J1	2.1	
<b>Benzene</b>	<b>150</b>	J1	2.1	
Dibromomethane	ND	J1	2.1	
1,2-Dichloropropane	ND	J1	2.1	

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**Reported:**  
07/07/21 10:48  
Page 21 of 63



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: [none] Date Received : 06/18/21

Funding Code: WP02 Visit Number:

Trip ID: Temperature C: 5.00

Client Sample ID: **B-2** Lab Sample ID: **21F0728-03**

Matrix: Solid Date/Time Collected: 06/17/21 14:33

Sample Type: Field pH: Collected By: TAB

### **Volatiles Organic Compounds by Purge and Trap GC/MS**

Method: 8260 Prepared: 06/30/21 08:00

Units: ug/kg wet Analyzed: 06/30/21 16:06

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Trichloroethene	ND	J1	2.1	
Bromodichloromethane	ND	J1	2.1	
cis-1,3-Dichloropropene	ND	J1	2.1	
<b>4-Methyl-2-pentanone (MIBK)</b>	<b>24</b>	J1	2.1	
trans-1,3-Dichloropropene	ND	J1	2.1	
1,1,2-Trichloroethane	ND	J1	2.1	
<b>Toluene</b>	<b>150</b>	J1	2.1	
1,3-Dichloropropane	ND	J1	2.1	
<b>2-Hexanone (MBK)</b>	<b>61</b>	J1	2.1	
Dibromochloromethane	ND	J1	2.1	
1,2-Dibromoethane	ND	J1	2.1	
Tetrachloroethene	ND	J1	2.1	
1,1,1,2-Tetrachloroethane	ND	J1	2.1	
Chlorobenzene	ND	J1	2.1	
<b>Ethylbenzene</b>	<b>41</b>	J1	2.1	
Bromoform	ND	J1	2.1	
<b>Styrene</b>	<b>130</b>	J1	2.1	
1,1,2,2-Tetrachloroethane	ND	J1	2.1	
<b>Xylenes, total</b>	<b>130</b>	J1	2.1	
1,2,3-Trichloropropane	ND	J1	2.1	
<b>Isopropylbenzene</b>	<b>2.3</b>	J1	2.1	
Bromobenzene	ND	J1	2.1	

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**Reported:**  
07/07/21 10:48  
Page 22 of 63



# Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

## LABORATORY RESULTS

Name:	<b>CHEMTOOL</b>	Date Received :	06/18/21
Project/Facility Number:	[none]	Visit Number:	
Funding Code:	WP02	Temperature C:	5.00
Trip ID:		Lab Sample ID:	<b>21F0728-03</b>
Client Sample ID:	<b>B-2</b>	Date/Time Collected:	06/17/21 14:33
Matrix:	Solid	Collected By:	TAB
Sample Type:	Field pH:		

### Semivolatiles by GC/MS

Method:	8270	Prepared:	06/18/21 12:08
Units:	ug/kg wet	Analyzed:	06/18/21 14:06

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Pyridine	ND		30000	
2-Picoline	ND		30000	
Methyl methanesulfonate	ND		30000	
Ethyl methanesulfonate	ND		30000	
Phenol	ND		30000	
Bis(2-chloroethyl)ether	ND		30000	
2-Chlorophenol	ND		30000	
1,3-Dichlorobenzene	ND		30000	
1,4-Dichlorobenzene	ND		30000	
1,2-Dichlorobenzene	ND		30000	
2-Methylphenol	ND		30000	
2,2-Oxybis(1-chloropropane)	ND		30000	
Acetophenone	ND		30000	
4-Methylphenol	ND		30000	
N-Nitrosodi-n-propylamine	ND		30000	
Hexachloroethane	ND		30000	
Nitrobenzene	ND		30000	
N-Nitrosopiperidine	ND		30000	
Isophorone	ND		30000	
2-Nitrophenol	ND		30000	
2,4-Dimethylphenol	ND		30000	
Bis(2-chloroethoxy)methane	ND		30000	
2,4-Dichlorophenol	ND		30000	
1,2,4-Trichlorobenzene	ND		30000	

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**Reported:**  
07/07/21 10:48  
Page 23 of 63



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: [none] Date Received : 06/18/21

Funding Code: WP02 Visit Number:

Trip ID: Temperature C: 5.00

Client Sample ID: **B-2** Lab Sample ID: **21F0728-03**

Matrix: Solid Date/Time Collected: 06/17/21 14:33

Sample Type: Field pH: Collected By: TAB

### Semivolatiles by GC/MS

Method: 8270 Prepared: 06/18/21 12:08

Units: ug/kg wet Analyzed: 06/18/21 14:06

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Naphthalene	ND		30000	
4-Chloroaniline	ND		30000	
2,6-Dichlorophenol	ND		30000	
Hexachloropropene	ND		30000	
Hexachlorobutadiene	ND		30000	
N-Nitrosodi-n-butylamine	ND		30000	
4-Chloro-3-methylphenol	ND		30000	
Isosafrole	ND		30000	
2-Methylnaphthalene	ND		30000	
1,2,4,5-Tetrachlorobenzene	ND		30000	
Hexachlorocyclopentadiene	ND		30000	
2,4,6-Trichlorophenol	ND		30000	
2,4,5-Trichlorophenol	ND		30000	
Safrole	ND		30000	
2-Chloronaphthalene	ND		30000	
1-Chloronaphthalene	ND		30000	
2-Nitroaniline	ND		30000	
1,4-Dinitrobenzene	ND		30000	
Dimethylphthalate	ND		30000	
1,3-Dinitrobenzene	ND		30000	
2,6-Dinitrotoluene	ND		30000	
Acenaphthylene	ND		30000	
1,2-Dinitrobenzene	ND		30000	
3-Nitroaniline	ND		30000	

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**Reported:**  
07/07/21 10:48  
Page 24 of 63





## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: [none] Date Received : 06/18/21

Funding Code: WP02 Visit Number:

Trip ID: Temperature C: 5.00

Client Sample ID: **B-2** Lab Sample ID: **21F0728-03**

Matrix: Solid Date/Time Collected: 06/17/21 14:33

Sample Type: Field pH: Collected By: TAB

### Semivolatiles by GC/MS

Method: 8270 Prepared: 06/18/21 12:08

Units: ug/kg wet Analyzed: 06/18/21 14:06

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Acenaphthene	ND		30000	
2,4-Dinitrophenol	ND		30000	
4-Nitrophenol	ND		30000	
Dibenzofuran	ND		30000	
2,4-Dinitrotoluene	ND		30000	
Pentachlorobenzene	ND		30000	
1-Naphthylamine	ND		30000	
2-Naphthylamine	ND		30000	
2,3,4,6-Tetrachlorophenol	ND		30000	
Diethylphthalate	ND		30000	
4-Chlorophenyl phenyl ether	ND		30000	
Fluorene	ND		30000	
4-Nitroaniline	ND		30000	
4,6-Dinitro-2-methylphenol	ND		30000	
Diphenylamine	ND		30000	
Azobenzene	ND		30000	
Phenacetin	ND		30000	
4-Bromophenyl phenyl ether	ND		30000	
Hexachlorobenzene	ND		30000	
Pentachlorophenol	ND		30000	
Pronamide	ND		30000	
Pentachloronitrobenzene	ND		30000	
Phenanthrene	ND		30000	
Anthracene	ND		30000	

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**Reported:**  
07/07/21 10:48  
Page 25 of 63



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: [none] Date Received : 06/18/21

Funding Code: WP02 Visit Number:

Trip ID: Temperature C: 5.00

Client Sample ID: **B-2** Lab Sample ID: **21F0728-03**

Matrix: Solid Date/Time Collected: 06/17/21 14:33

Sample Type: Field pH: Collected By: TAB

### Semivolatiles by GC/MS

Method: 8270 Prepared: 06/18/21 12:08

Units: ug/kg wet Analyzed: 06/18/21 14:06

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Carbazole	ND		30000	
4-Nitrobiphenyl	ND		30000	
Di-n-butylphthalate	ND		30000	
5-Nitroacenaphthene	ND		30000	
Isodrin	ND		30000	
Fluoranthene	ND		30000	
Pyrene	ND		30000	
p-Dimethylaminoazobenzene	ND		30000	
Butyl benzyl phthalate	ND		30000	
3,3-Dichlorobenzidine	ND		30000	
Benzo(a)anthracene	ND		30000	
Chrysene	ND		30000	
Bis(2-ethylhexyl)phthalate	ND		30000	
Mestranol	ND		30000	
Di-n-octylphthalate	ND		30000	
Benzo(b)fluoranthene	ND		30000	
7,12-Dimethylbenzo(a)anthracene	ND		30000	
Benzo(k)fluoranthene	ND		30000	
Benzo(a)pyrene	ND		30000	
Indeno(1,2,3-cd)pyrene	ND		30000	
Dibenzo(a,h)anthracene	ND		30000	
Benzo(ghi)perylene	ND		30000	

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**Reported:**  
07/07/21 10:48  
Page 26 of 63



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: [none] Date Received : 06/18/21

Funding Code: WP02 Visit Number:

Trip ID: Temperature C: 5.00

Client Sample ID: **B-2** Lab Sample ID: **21F0728-03**

Matrix: Solid Date/Time Collected: 06/17/21 14:33

Sample Type: Field pH: Collected By: TAB

### Metals by EPA Method 6010 - ICP

Method: SW-846 6010 Prepared: 06/18/21 12:24

Units: mg/kg wet Analyzed: 06/21/21 12:55

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
<b>Aluminum</b>	<b>16.2</b>		10.0	
Arsenic	ND	I, J3	2.00	
<b>Barium</b>	<b>0.95</b>		0.50	
Beryllium	ND		0.10	
<b>Boron</b>	<b>8.30</b>	B1	5.00	
Cadmium	ND	B2	0.50	
<b>Calcium</b>	<b>37300</b>		300	
<b>Chromium</b>	<b>0.52</b>		0.50	
Cobalt	ND		1.00	
Copper	ND		1.00	
Iron	ND		100	
<b>Lead</b>	<b>0.95</b>		0.50	
<b>Magnesium</b>	<b>188</b>		50.0	
<b>Manganese</b>	<b>2.27</b>		1.50	
Nickel	ND		0.50	
Potassium	ND		200	
<b>Silver</b>	<b>0.68</b>		0.50	
<b>Sodium</b>	<b>242</b>		200	
<b>Strontium</b>	<b>18.2</b>		0.50	
Vanadium	ND	B2	0.50	
<b>Zinc</b>	<b>31.7</b>		5.00	
Antimony	ND		2.00	
Selenium	ND		2.00	
Thallium	ND		2.00	

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**Reported:**  
07/07/21 10:48  
Page 27 of 63



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: [none] Date Received : 06/18/21

Funding Code: WP02 Visit Number:

Trip ID: Temperature C: 5.00

Client Sample ID: **B-2** Lab Sample ID: **21F0728-03**

Matrix: Solid Date/Time Collected: 06/17/21 14:33

Sample Type: Field pH: Collected By: TAB

#### **Nitrogen, Kjeldahl, Total, Colorimetric, Semi- by EPA Method 351.2\***

Method: 351.2 Prepared: 06/18/21 16:04

Units: mg/kg wet Analyzed: 06/21/21 17:13

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
<b>Nitrogen, Kjeldahl</b>	<b>34.6</b>	J3	19.2	

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**Reported:**  
07/07/21 10:48  
Page 28 of 63



# Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

## LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: [none] Date Received : 06/18/21

Funding Code: WP02 Visit Number:

Trip ID: Temperature C: 5.00

Client Sample ID: **C-1** Lab Sample ID: **21F0728-04**

Matrix: Water Date/Time Collected: 06/17/21 15:23

Sample Type: Field pH: 8.8 Collected By: TAB

### **Volatiles Organic Compounds by Purge and Trap GC/MS**

Method: 8260 Prepared: 06/18/21 12:00

Units: ug/L Analyzed: 06/23/21 18:06

<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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**Reported:**  
07/07/21 10:48  
Page 29 of 63



# Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

## LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: [none] Date Received : 06/18/21

Funding Code: WP02 Visit Number:

Trip ID: Temperature C: 5.00

Client Sample ID: **C-1** Lab Sample ID: **21F0728-04**

Matrix: Water Date/Time Collected: 06/17/21 15:23

Sample Type: Field pH: 8.8 Collected By: TAB

### Volatiles Organic Compounds by Purge and Trap GC/MS

Method: 8260 Prepared: 06/18/21 12:00

Units: ug/L Analyzed: 06/23/21 18:06

<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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**Reported:**  
07/07/21 10:48  
Page 30 of 63



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: [none] Date Received : 06/18/21

Funding Code: WP02 Visit Number:

Trip ID: Temperature C: 5.00

Client Sample ID: **C-1** Lab Sample ID: **21F0728-04**

Matrix: Water Date/Time Collected: 06/17/21 15:23

Sample Type: Field pH: 8.8 Collected By: TAB

### Semivolatiles by GC/MS

Method: 8270 Prepared: 06/18/21 14:25

Units: ug/L Analyzed: 06/19/21 14:09

<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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**Reported:**  
07/07/21 10:48  
Page 31 of 63



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: [none] Date Received : 06/18/21

Funding Code: WP02 Visit Number:

Trip ID: Temperature C: 5.00

Client Sample ID: **C-1** Lab Sample ID: **21F0728-04**

Matrix: Water Date/Time Collected: 06/17/21 15:23

Sample Type: Field pH: 8.8 Collected By: TAB

### Semivolatiles by GC/MS

Method: 8270 Prepared: 06/18/21 14:25

Units: ug/L Analyzed: 06/19/21 14:09

<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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**Reported:**  
07/07/21 10:48  
Page 32 of 63





# Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

## LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: [none] Date Received : 06/18/21

Funding Code: WP02 Visit Number:

Trip ID: Temperature C: 5.00

Client Sample ID: **C-1** Lab Sample ID: **21F0728-04**

Matrix: Water Date/Time Collected: 06/17/21 15:23

Sample Type: Field pH: 8.8 Collected By: TAB

### Semivolatiles by GC/MS

Method: 8270 Prepared: 06/18/21 14:25

Units: ug/L Analyzed: 06/19/21 14:09

<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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**Reported:**  
07/07/21 10:48  
Page 33 of 63



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: [none] Date Received : 06/18/21

Funding Code: WP02 Visit Number:

Trip ID: Temperature C: 5.00

Client Sample ID: **C-1** Lab Sample ID: **21F0728-04**

Matrix: Water Date/Time Collected: 06/17/21 15:23

Sample Type: Field pH: 8.8 Collected By: TAB

### Semivolatiles by GC/MS

Method: 8270 Prepared: 06/18/21 14:25

Units: ug/L Analyzed: 06/19/21 14:09

<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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**Reported:**  
07/07/21 10:48  
Page 34 of 63



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: [none] Date Received : 06/18/21

Funding Code: WP02 Visit Number:

Trip ID: Temperature C: 5.00

Client Sample ID: **C-1** Lab Sample ID: **21F0728-04**

Matrix: Water Date/Time Collected: 06/17/21 15:23

Sample Type: Field pH: 8.8 Collected By: TAB

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

Method: 5210B Prepared: 06/18/21 10:31

Units: mg/L Analyzed: 06/23/21 09:26

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
<b>BOD 5DAY</b>	<b>9.80</b>		2.00	

#### **Metals by EPA 200 Series Methods ICP/MS**

Method: 200.8 Prepared: 06/21/21 11:57

Units: ug/L Analyzed: 06/22/21 15:03

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
<b>Molybdenum</b>	<b>ND</b>		20.0	

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

Method: 200.7/2340B Prepared: 06/21/21 11:47

Units: ug/L Analyzed: 06/22/21 11:01

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
<b>Aluminum</b>	<b>107</b>		100	40000
<b>Arsenic</b>	<b>ND</b>		10.0	
<b>Barium</b>	<b>47.9</b>		5.00	
<b>Beryllium</b>	<b>ND</b>		1.00	
<b>Boron</b>	<b>36.8</b>		20.0	
<b>Cadmium</b>	<b>ND</b>		3.00	
<b>Calcium</b>	<b>54600</b>		300	100000

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**Reported:**  
07/07/21 10:48  
Page 35 of 63



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: [none] Date Received : 06/18/21

Funding Code: WP02 Visit Number:

Trip ID: Temperature C: 5.00

Client Sample ID: **C-1** Lab Sample ID: **21F0728-04**

Matrix: Water Date/Time Collected: 06/17/21 15:23

Sample Type: Field pH: 8.8 Collected By: TAB

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

Method: 200.7/2340B Prepared: 06/21/21 11:47

Units: ug/L Analyzed: 06/22/21 11:01

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Chromium	ND		5.00	
Cobalt	ND		10.0	
Copper	ND		10.0	
<b>Iron</b>	<b>235</b>		200	40000
Lead	ND		5.00	
<b>Magnesium</b>	<b>38300</b>		300	100000
<b>Manganese</b>	<b>131</b>		15.0	
Nickel	ND		5.00	
<b>Potassium</b>	<b>3560</b>		1400	100000
Selenium	ND		20.0	
Silver	ND		3.00	
<b>Sodium</b>	<b>36000</b>		1000	
<b>Strontium</b>	<b>94.4</b>		10.0	
Vanadium	ND		5.00	
Zinc	ND		25.0	
<b>Hardness</b>	<b>294000</b>		1980	

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

Method: 353.2 Prepared: 06/18/21 15:58

Units: mg/L Analyzed: 06/18/21 16:56

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
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**Reported:**  
07/07/21 10:48  
Page 36 of 63



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: [none] Date Received : 06/18/21

Funding Code: WP02 Visit Number:

Trip ID: Temperature C: 5.00

Client Sample ID: **C-1** Lab Sample ID: **21F0728-04**

Matrix: Water Date/Time Collected: 06/17/21 15:23

Sample Type: Field pH: 8.8 Collected By: TAB

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

Method: 353.2 Prepared: 06/18/21 15:58

Units: mg/L Analyzed: 06/18/21 16:56

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Nitrogen, Nitrite (NO <sub>2</sub> ) + Nitrate (NC)	2.37		0.100	

#### **Nitrogen, Ammonia, Potentiometric, Ion Selective by Standard Method 4500 NH<sub>3</sub> D**

Method: SM 4500 NH<sub>3</sub> D Prepared: 06/18/21 13:28

Units: mg/L Analyzed: 06/18/21 13:28

<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: 06/18/21 09:41

Units: mg/L Analyzed: 06/18/21 18:29

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Nitrogen, Kjeldahl	1.55		0.50	

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**Reported:**  
07/07/21 10:48  
Page 37 of 63



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: [none] Date Received : 06/18/21

Funding Code: WP02 Visit Number:

Trip ID: Temperature C: 5.00

Client Sample ID: **C-1** Lab Sample ID: **21F0728-04**

Matrix: Water Date/Time Collected: 06/17/21 15:23

Sample Type: Field pH: 8.8 Collected By: TAB

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

Method: EPA 365.1 Prepared: 06/18/21 08:55

Units: mg/L Analyzed: 06/18/21 16:13

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
<b>Phosphorus as P</b>	<b>0.153</b>		0.0050	

#### **Total Suspended Solids by Standard Method 2540D**

Method: SM 2540D Prepared: 06/18/21 13:38

Units: mg/L Analyzed: 06/18/21 13:38

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
<b>Total Suspended Solids</b>	<b>44</b>		4	

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**Reported:**  
07/07/21 10:48  
Page 38 of 63



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: [none] Date Received : 06/18/21

Funding Code: WP02 Visit Number:

Trip ID: Temperature C: 5.00

Client Sample ID: **C-4** Lab Sample ID: **21F0728-05**

Matrix: Water Date/Time Collected: 06/17/21 16:00

Sample Type: Field pH: 9.0 Collected By: TAB

### **Volatiles Organic Compounds by Purge and Trap GC/MS**

Method: 8260 Prepared: 06/18/21 12:00

Units: ug/L Analyzed: 06/23/21 18:26

<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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**Reported:**  
07/07/21 10:48  
Page 39 of 63



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: [none] Date Received : 06/18/21

Funding Code: WP02 Visit Number:

Trip ID: Temperature C: 5.00

Client Sample ID: **C-4** Lab Sample ID: **21F0728-05**

Matrix: Water Date/Time Collected: 06/17/21 16:00

Sample Type: Field pH: 9.0 Collected By: TAB

### **Volatiles Organic Compounds by Purge and Trap GC/MS**

Method: 8260 Prepared: 06/18/21 12:00

Units: ug/L Analyzed: 06/23/21 18:26

<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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**Reported:**  
07/07/21 10:48  
Page 40 of 63





## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: [none] Date Received : 06/18/21

Funding Code: WP02 Visit Number:

Trip ID: Temperature C: 5.00

Client Sample ID: **C-4** Lab Sample ID: **21F0728-05**

Matrix: Water Date/Time Collected: 06/17/21 16:00

Sample Type: Field pH: 9.0 Collected By: TAB

### Semivolatiles by GC/MS

Method: 8270 Prepared: 06/18/21 14:25

Units: ug/L Analyzed: 06/19/21 14:43

<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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**Reported:**  
07/07/21 10:48  
Page 41 of 63



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: [none] Date Received : 06/18/21

Funding Code: WP02 Visit Number:

Trip ID: Temperature C: 5.00

Client Sample ID: **C-4** Lab Sample ID: **21F0728-05**

Matrix: Water Date/Time Collected: 06/17/21 16:00

Sample Type: Field pH: 9.0 Collected By: TAB

### Semivolatiles by GC/MS

Method: 8270 Prepared: 06/18/21 14:25

Units: ug/L Analyzed: 06/19/21 14:43

<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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**Reported:**  
07/07/21 10:48  
Page 42 of 63



# Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

## LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: [none] Date Received : 06/18/21

Funding Code: WP02 Visit Number:

Trip ID: Temperature C: 5.00

Client Sample ID: **C-4** Lab Sample ID: **21F0728-05**

Matrix: Water Date/Time Collected: 06/17/21 16:00

Sample Type: Field pH: 9.0 Collected By: TAB

### Semivolatiles by GC/MS

Method: 8270 Prepared: 06/18/21 14:25

Units: ug/L Analyzed: 06/19/21 14:43

<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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**Reported:**  
07/07/21 10:48  
Page 43 of 63



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: [none] Date Received : 06/18/21

Funding Code: WP02 Visit Number:

Trip ID: Temperature C: 5.00

Client Sample ID: **C-4** Lab Sample ID: **21F0728-05**

Matrix: Water Date/Time Collected: 06/17/21 16:00

Sample Type: Field pH: 9.0 Collected By: TAB

### Semivolatiles by GC/MS

Method: 8270 Prepared: 06/18/21 14:25

Units: ug/L Analyzed: 06/19/21 14:43

<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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**Reported:**  
07/07/21 10:48  
Page 44 of 63



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: [none] Date Received : 06/18/21

Funding Code: WP02 Visit Number:

Trip ID: Temperature C: 5.00

Client Sample ID: **C-4** Lab Sample ID: **21F0728-05**

Matrix: Water Date/Time Collected: 06/17/21 16:00

Sample Type: Field pH: 9.0 Collected By: TAB

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

Method: 5210B Prepared: 06/18/21 10:31

Units: mg/L Analyzed: 06/23/21 09:26

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
<b>BOD 5DAY</b>	<b>10.0</b>		2.00	

#### **Metals by EPA 200 Series Methods ICP/MS**

Method: 200.8 Prepared: 06/21/21 11:57

Units: ug/L Analyzed: 06/23/21 10:51

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Molybdenum	ND		20.0	

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

Method: 200.7/2340B Prepared: 06/21/21 11:47

Units: ug/L Analyzed: 06/22/21 11:07

<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>48.0</b>		5.00	
Beryllium	ND		1.00	
<b>Boron</b>	<b>36.6</b>		20.0	
Cadmium	ND		3.00	
<b>Calcium</b>	<b>54900</b>		300	100000

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**Reported:**  
07/07/21 10:48  
Page 45 of 63



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: [none] Date Received : 06/18/21

Funding Code: WP02 Visit Number:

Trip ID: Temperature C: 5.00

Client Sample ID: **C-4** Lab Sample ID: **21F0728-05**

Matrix: Water Date/Time Collected: 06/17/21 16:00

Sample Type: Field pH: 9.0 Collected By: TAB

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

Method: 200.7/2340B Prepared: 06/21/21 11:47

Units: ug/L Analyzed: 06/22/21 11:07

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Chromium	ND		5.00	
Cobalt	ND		10.0	
Copper	ND		10.0	
Iron	ND		200	40000
Lead	ND		5.00	
<b>Magnesium</b>	<b>38500</b>		300	100000
<b>Manganese</b>	<b>123</b>		15.0	
Nickel	ND		5.00	
<b>Potassium</b>	<b>3610</b>		1400	100000
Selenium	ND		20.0	
Silver	ND		3.00	
<b>Sodium</b>	<b>39100</b>		1000	
<b>Strontium</b>	<b>94.7</b>		10.0	
Vanadium	ND		5.00	
Zinc	ND		25.0	
<b>Hardness</b>	<b>296000</b>		1980	

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

Method: 353.2 Prepared: 06/18/21 15:58

Units: mg/L Analyzed: 06/18/21 16:57

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
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**Reported:**  
07/07/21 10:48  
Page 46 of 63



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: [none] Date Received : 06/18/21

Funding Code: WP02 Visit Number:

Trip ID: Temperature C: 5.00

Client Sample ID: **C-4** Lab Sample ID: **21F0728-05**

Matrix: Water Date/Time Collected: 06/17/21 16:00

Sample Type: Field pH: 9.0 Collected By: TAB

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

Method: 353.2 Prepared: 06/18/21 15:58

Units: mg/L Analyzed: 06/18/21 16:57

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Nitrogen, Nitrite (NO <sub>2</sub> ) + Nitrate (NC)	2.01		0.100	

#### **Nitrogen, Ammonia, Potentiometric, Ion Selective by Standard Method 4500 NH<sub>3</sub> D**

Method: SM 4500 NH<sub>3</sub> D Prepared: 06/18/21 15:50

Units: mg/L Analyzed: 06/18/21 15:50

<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: 06/18/21 09:41

Units: mg/L Analyzed: 06/18/21 18:31

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Nitrogen, Kjeldahl	1.81		0.50	

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**Reported:**  
07/07/21 10:48  
Page 47 of 63



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: [none] Date Received : 06/18/21

Funding Code: WP02 Visit Number:

Trip ID: Temperature C: 5.00

Client Sample ID: **C-4** Lab Sample ID: **21F0728-05**

Matrix: Water Date/Time Collected: 06/17/21 16:00

Sample Type: Field pH: 9.0 Collected By: TAB

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

Method: EPA 365.1 Prepared: 06/18/21 08:55

Units: mg/L Analyzed: 06/18/21 16:13

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
<b>Phosphorus as P</b>	<b>0.176</b>		0.0050	

#### **Total Suspended Solids by Standard Method 2540D**

Method: SM 2540D Prepared: 06/18/21 13:38

Units: mg/L Analyzed: 06/18/21 13:38

<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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**Reported:**  
07/07/21 10:48  
Page 48 of 63





# Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

## LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: [none] Date Received : 06/18/21

Funding Code: WP02 Visit Number:

Trip ID: Temperature C: 5.00

Client Sample ID: **C-6** Lab Sample ID: **21F0728-06**

Matrix: Water Date/Time Collected: 06/17/21 13:02

Sample Type: Field pH: 9.5 Collected By: TAB

### **Volatiles Organic Compounds by Purge and Trap GC/MS**

Method: 8260 Prepared: 06/18/21 12:00

Units: ug/L Analyzed: 06/23/21 18:47

<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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**Reported:**  
07/07/21 10:48  
Page 49 of 63



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: [none] Date Received : 06/18/21

Funding Code: WP02 Visit Number:

Trip ID: Temperature C: 5.00

Client Sample ID: **C-6** Lab Sample ID: **21F0728-06**

Matrix: Water Date/Time Collected: 06/17/21 13:02

Sample Type: Field pH: 9.5 Collected By: TAB

### **Volatiles Organic Compounds by Purge and Trap GC/MS**

Method: 8260 Prepared: 06/18/21 12:00

Units: ug/L Analyzed: 06/23/21 18:47

<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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**Reported:**  
07/07/21 10:48  
Page 50 of 63



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: [none] Date Received : 06/18/21

Funding Code: WP02 Visit Number:

Trip ID: Temperature C: 5.00

Client Sample ID: **C-6** Lab Sample ID: **21F0728-06**

Matrix: Water Date/Time Collected: 06/17/21 13:02

Sample Type: Field pH: 9.5 Collected By: TAB

### Semivolatiles by GC/MS

Method: 8270 Prepared: 06/18/21 14:25

Units: ug/L Analyzed: 06/19/21 15:18

<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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**Reported:**  
07/07/21 10:48  
Page 51 of 63



# Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

## LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: [none] Date Received : 06/18/21

Funding Code: WP02 Visit Number:

Trip ID: Temperature C: 5.00

Client Sample ID: **C-6** Lab Sample ID: **21F0728-06**

Matrix: Water Date/Time Collected: 06/17/21 13:02

Sample Type: Field pH: 9.5 Collected By: TAB

### Semivolatiles by GC/MS

Method: 8270 Prepared: 06/18/21 14:25

Units: ug/L Analyzed: 06/19/21 15:18

<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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**Reported:**  
07/07/21 10:48  
Page 52 of 63



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: [none] Date Received : 06/18/21

Funding Code: WP02 Visit Number:

Trip ID: Temperature C: 5.00

Client Sample ID: **C-6** Lab Sample ID: **21F0728-06**

Matrix: Water Date/Time Collected: 06/17/21 13:02

Sample Type: Field pH: 9.5 Collected By: TAB

### Semivolatiles by GC/MS

Method: 8270 Prepared: 06/18/21 14:25

Units: ug/L Analyzed: 06/19/21 15:18

<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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**Reported:**  
07/07/21 10:48  
Page 53 of 63



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: [none] Date Received : 06/18/21

Funding Code: WP02 Visit Number:

Trip ID: Temperature C: 5.00

Client Sample ID: **C-6** Lab Sample ID: **21F0728-06**

Matrix: Water Date/Time Collected: 06/17/21 13:02

Sample Type: Field pH: 9.5 Collected By: TAB

### Semivolatiles by GC/MS

Method: 8270 Prepared: 06/18/21 14:25

Units: ug/L Analyzed: 06/19/21 15:18

<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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**Reported:**  
07/07/21 10:48  
Page 54 of 63



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: [none] Date Received : 06/18/21

Funding Code: WP02 Visit Number:

Trip ID: Temperature C: 5.00

Client Sample ID: **C-6** Lab Sample ID: **21F0728-06**

Matrix: Water Date/Time Collected: 06/17/21 13:02

Sample Type: Field pH: 9.5 Collected By: TAB

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

Method: 5210B Prepared: 06/18/21 10:31

Units: mg/L Analyzed: 06/23/21 09:26

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
<b>BOD 5DAY</b>	<b>15.9</b>		<b>2.00</b>	

#### **Metals by EPA 200 Series Methods ICP/MS**

Method: 200.8 Prepared: 06/21/21 11:57

Units: ug/L Analyzed: 06/23/21 10:55

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
<b>Molybdenum</b>	<b>ND</b>		<b>20.0</b>	

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

Method: 200.7/2340B Prepared: 06/21/21 11:47

Units: ug/L Analyzed: 06/22/21 11:14

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
<b>Aluminum</b>	<b>106</b>		<b>100</b>	<b>40000</b>
<b>Arsenic</b>	<b>ND</b>		<b>10.0</b>	
<b>Barium</b>	<b>51.6</b>		<b>5.00</b>	
<b>Beryllium</b>	<b>ND</b>		<b>1.00</b>	
<b>Boron</b>	<b>38.1</b>		<b>20.0</b>	
<b>Cadmium</b>	<b>ND</b>		<b>3.00</b>	
<b>Calcium</b>	<b>57800</b>		<b>300</b>	<b>100000</b>

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**Reported:**  
07/07/21 10:48  
Page 55 of 63



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: [none] Date Received : 06/18/21

Funding Code: WP02 Visit Number:

Trip ID: Temperature C: 5.00

Client Sample ID: **C-6** Lab Sample ID: **21F0728-06**

Matrix: Water Date/Time Collected: 06/17/21 13:02

Sample Type: Field pH: 9.5 Collected By: TAB

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

Method: 200.7/2340B Prepared: 06/21/21 11:47

Units: ug/L Analyzed: 06/22/21 11:14

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Chromium	ND		5.00	
Cobalt	ND		10.0	
Copper	ND		10.0	
<b>Iron</b>	<b>349</b>		200	40000
Lead	ND		5.00	
<b>Magnesium</b>	<b>39900</b>		300	100000
<b>Manganese</b>	<b>161</b>		15.0	
Nickel	ND		5.00	
<b>Potassium</b>	<b>3760</b>		1400	100000
Selenium	ND		20.0	
Silver	ND		3.00	
<b>Sodium</b>	<b>37600</b>		1000	
<b>Strontium</b>	<b>98.7</b>		10.0	
Vanadium	ND		5.00	
Zinc	ND		25.0	
<b>Hardness</b>	<b>309000</b>		1980	

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

Method: 353.2 Prepared: 06/18/21 15:58

Units: mg/L Analyzed: 06/18/21 16:59

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
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**Reported:**  
07/07/21 10:48  
Page 56 of 63





## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: [none] Date Received : 06/18/21

Funding Code: WP02 Visit Number:

Trip ID: Temperature C: 5.00

Client Sample ID: **C-6** Lab Sample ID: **21F0728-06**

Matrix: Water Date/Time Collected: 06/17/21 13:02

Sample Type: Field pH: 9.5 Collected By: TAB

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

Method: 353.2 Prepared: 06/18/21 15:58

Units: mg/L Analyzed: 06/18/21 16:59

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Nitrogen, Nitrite (NO <sub>2</sub> ) + Nitrate (NC)	2.19		0.100	

#### **Nitrogen, Ammonia, Potentiometric, Ion Selective by Standard Method 4500 NH<sub>3</sub> D**

Method: SM 4500 NH<sub>3</sub> D Prepared: 06/18/21 13:28

Units: mg/L Analyzed: 06/18/21 13:28

<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: 06/18/21 09:41

Units: mg/L Analyzed: 06/18/21 18:31

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Nitrogen, Kjeldahl	1.96		0.50	

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**Reported:**  
07/07/21 10:48  
Page 57 of 63



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: [none] Date Received : 06/18/21

Funding Code: WP02 Visit Number:

Trip ID: Temperature C: 5.00

Client Sample ID: **C-6** Lab Sample ID: **21F0728-06**

Matrix: Water Date/Time Collected: 06/17/21 13:02

Sample Type: Field pH: 9.5 Collected By: TAB

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

Method: EPA 365.1 Prepared: 06/18/21 08:55

Units: mg/L Analyzed: 06/18/21 16:14

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
<b>Phosphorus as P</b>	<b>0.169</b>		0.0050	

#### **Total Suspended Solids by Standard Method 2540D**

Method: SM 2540D Prepared: 06/18/21 13:38

Units: mg/L Analyzed: 06/18/21 13:38

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
<b>Total Suspended Solids</b>	<b>53</b>		4	

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**Reported:**  
07/07/21 10:48  
Page 58 of 63



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: [none] Date Received : 06/18/21

Funding Code: WP02 Visit Number:

Trip ID: Temperature C: 5.00

Client Sample ID: **TRIP BLANK** Lab Sample ID: **21F0728-07**

Matrix: Water Date/Time Collected: 06/17/21 0:00

Sample Type: Field pH: Collected By:

### **Volatiles Organic Compounds by Purge and Trap GC/MS**

Method: 8260 Prepared: 06/18/21 11:00

Units: ug/L Analyzed: 06/23/21 16:22

<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	
<b>Chloroform</b>	<b>17</b>		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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**Reported:**  
07/07/21 10:48  
Page 59 of 63



# Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

## LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: [none] Date Received : 06/18/21

Funding Code: WP02 Visit Number:

Trip ID: Temperature C: 5.00

Client Sample ID: **TRIP BLANK** Lab Sample ID: **21F0728-07**

Matrix: Water Date/Time Collected: 06/17/21 0:00

Sample Type: Field pH: Collected By:

### Volatiles Organic Compounds by Purge and Trap GC/MS

Method: 8260 Prepared: 06/18/21 11:00

Units: ug/L Analyzed: 06/23/21 16:22

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Trichloroethene	ND		2.0	
<b>Bromodichloromethane</b>	<b>11</b>		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	
<b>Dibromochloromethane</b>	<b>5.1</b>		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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**Reported:**  
07/07/21 10:48  
Page 60 of 63



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: [none] Date Received : 06/18/21

Funding Code: WP02 Visit Number:

Trip ID: Temperature C: 5.00

Client Sample ID: **B-2** Lab Sample ID: **21F0728-08**

Matrix: Solid Date/Time Collected: 06/17/21 14:33

Sample Type: Field pH: Collected By: TAB

### **Volatiles Organic Compounds by Purge and Trap GC/MS**

Method: 8260 Prepared: 07/01/21 08:00

Units: ug/kg wet Analyzed: 07/01/21 14:42

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Acetone	1200		120	
2-Butanone (MEK)	310		120	

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**Reported:**  
07/07/21 10:48  
Page 61 of 63



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Name: **CHEMTOOL**

Project/Facility Number: [none] Date Received : 06/18/21

Funding Code: WP02 Visit Number:

Trip ID: Temperature C: 5.00

### **Notes and Definitions**

- O2 Quality control sample failed low - possible low bias or false non-detect result.
- L Actual value not known, but known to be greater than value shown. Value shown is the highest acceptable level for quantitation. (For bacteria, result calculated as if the smallest filtration volume had a count of 200).
- J7 Blank spike failed low - possible low bias or false non-detect result.
- J3 The reported value failed to meet the established quality control criteria for either precision or accuracy possibly due to matrix effects.
- J1 Surrogate compound recovery limits have not been met.
- I See Case Narrative for more information.
- B2 The sample matrix caused possible effects on measurement. The result may be biased high.
- B1 The sample matrix caused possible effects on measurement. The result may be biased low.
- ND Analyte NOT DETECTED at or above the reporting limit
- \* Non-NELAP accredited

21F0728-03 could not be analyzed as a liquid. Matrix changed to solid. BOD analysis is not amenable to solid matrices. Too much oil content in this sample to calculate a dry weight.

Method 8260: Sample 21F0728-08 is the methanol dilution of sample 21F0728-03.

Method 8260: Due to the nature of the matrix for sample 21F0728-03, no matrix spike or matrix spike duplicate were performed on this sample.

Method 8270: Waste dilution performed on sample 21F0728-03 for this analysis. Surrogate recovery not evaluated for sample 21F0728-03. Matrix spikes not performed.

Method 8270: Tentatively Identified Compounds (TICs) were detected in the semi-volatile analysis of sample 21F0728-06. Please contact the laboratory if additional information about the TICs is needed.

Method 8270: Surrogate recovery not evaluated for QC samples.

Metals Analysis: Antimony detected and reported in sample 21F0728-01.

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**Reported:**  
07/07/21 10:48  
Page 62 of 63



**Illinois Environmental Protection Agency Laboratory**

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

**LABORATORY RESULTS**

Name:	<b>CHEMTOOL</b>	Date Received :	06/18/21
Project/Facility Number:	[none]	Visit Number:	
Funding Code:	WP02	Temperature C:	5.00
Trip ID:			

Metals: 21F0728-03 ICP24 - Client Matrix Assessment- sample failed method post spike test for Arsenic, indicating probable matrix interference.

Report Authorized by:

Tom Weiss  
Laboratory Manager

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**Reported:**  
07/07/21 10:48  
Page 63 of 63