



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Facility Name: ROCKTON

Project/Facility Number: 2010350

Funding Code: PW33

Date Received : 06/18/21

Temperature C: 13.00

Client Sample ID: **WL11665/SOC WELL 5**

Lab Sample ID: **21F0771-01**

Matrix: Ground Water

Date/Time Collected: 06/18/21 9:30

Sample Type: Raw

Collected By: G. WHITE

#### **Field Parameters--PW33 \***

Method: 9911

Prepared: 06/18/21 09:30

Units: SU

Analyzed: 06/18/21 09:30

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
<b>Pump Rate GPM</b>	<b>800.0</b>			
<b>Run Time min.</b>	<b>20.00</b>			

#### **Chlorinated Acids by GC**

Method: 515.4

Prepared: 06/21/21 14:26

Units: ug/L

Analyzed: 06/23/21 06:06

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Dalapon	ND		5.0	
Dicamba	ND		0.25	
2,4-D	ND		1.0	
Pentachlorophenol	ND		0.40	
Silvex	ND		1.0	
Dinoseb	ND		1.0	
Picloram	ND		1.0	
Acifluorfen	ND		0.50	

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Test results meet all requirements of NELAC (accredited by Florida DOH #E37645). If you have any questions about this report, please contact Tom Weiss, Laboratory Manager, at 217.782.9780.*

**Reported:**  
06/30/21 07:44  
Page 1 of 67



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Facility Name: ROCKTON  
Project/Facility Number: 2010350 Date Received : 06/18/21  
Funding Code: PW33 Temperature C: 13.00  
Client Sample ID: **WL11665/SOC WELL 5** Lab Sample ID: **21F0771-01**  
Matrix: Ground Water Date/Time Collected: 06/18/21 9:30  
Sample Type: Raw Collected By: G. WHITE

### **Organic Compounds by GC/MS**

Method: 525.2 Prepared: 06/21/21 14:05  
Units: ug/L Analyzed: 06/22/21 12:26

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Hexachlorocyclopentadiene	ND		0.50	
Propachlor	ND		0.50	
Trifluralin	ND		0.050	
Hexachlorobenzene	ND		0.10	
Simazine	ND		0.35	
Atrazine	ND		0.30	
gamma-BHC (Lindane)	ND		0.020	
Acetochlor	ND		1.0	
Metribuzin	ND		0.10	
Alachlor	ND		0.20	
Heptachlor	ND		0.040	
Bromacil	ND		1.0	
Metolachlor	ND		0.25	
Dacthal	ND		0.50	
Aldrin	ND		0.050	
Cyanazine	ND		0.50	
Heptachlor epoxide	ND		0.020	
Dieldrin	ND		0.050	
Endrin	ND		0.10	
Di(2-ethylhexyl)adipate	ND		0.60	
Methoxychlor	ND		0.10	
Di(2-ethylhexyl)phthalate	ND		1.8	
Benzo(a)pyrene	ND		0.10	
Toxaphene	ND		1.0	

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Test results meet all requirements of NELAC (accredited by Florida DOH #E37645). If you have any questions about this report, please contact Tom Weiss, Laboratory Manager, at 217.782.9780.*

**Reported:**  
06/30/21 07:44  
Page 2 of 67



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Facility Name: ROCKTON  
Project/Facility Number: 2010350 Date Received : 06/18/21  
Funding Code: PW33 Temperature C: 13.00  
Client Sample ID: **WL11665/SOC WELL 5** Lab Sample ID: **21F0771-01**  
Matrix: Ground Water Date/Time Collected: 06/18/21 9:30  
Sample Type: Raw Collected By: G. WHITE

#### **Organic Compounds by GC/MS**

Method: 525.2 Prepared: 06/21/21 14:05  
Units: ug/L Analyzed: 06/22/21 12:26

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Chlordane	ND		0.20	
Total DDT	ND		1.0	
Total PCBs	ND		0.40	

#### **Semivolatiles by GC/MS \***

Method: 8270 Prepared: 06/20/21 11:38  
Units: ug/L Analyzed: 06/21/21 12:46

<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		5.0	
Bis(2-chloroethyl)ether	ND		1.5	
2-Chlorophenol	ND		5.0	
1,3-Dichlorobenzene	ND		1.5	
1,4-Dichlorobenzene	ND		1.5	
1,2-Dichlorobenzene	ND		1.5	
2-Methylphenol	ND		5.0	
2,2-Oxybis(1-chloropropane)	ND		1.5	

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Test results meet all requirements of NELAC (accredited by Florida DOH #E37645). If you have any questions about this report, please contact Tom Weiss, Laboratory Manager, at 217.782.9780.*

**Reported:**  
06/30/21 07:44  
Page 3 of 67



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Facility Name: ROCKTON  
Project/Facility Number: 2010350 Date Received : 06/18/21  
Funding Code: PW33 Temperature C: 13.00  
Client Sample ID: **WL11665/SOC WELL 5** Lab Sample ID: **21F0771-01**  
Matrix: Ground Water Date/Time Collected: 06/18/21 9:30  
Sample Type: Raw Collected By: G. WHITE

### **Semivolatiles by GC/MS \***

Method: 8270 Prepared: 06/20/21 11:38  
Units: ug/L Analyzed: 06/21/21 12:46

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Acetophenone	ND		1.5	
4-Methylphenol	ND		5.0	
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		1.5	
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	
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		5.0	
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	

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Test results meet all requirements of NELAC (accredited by Florida DOH #E37645). If you have any questions about this report, please contact Tom Weiss, Laboratory Manager, at 217.782.9780.*

**Reported:**  
06/30/21 07:44  
Page 4 of 67



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Facility Name: ROCKTON  
Project/Facility Number: 2010350 Date Received : 06/18/21  
Funding Code: PW33 Temperature C: 13.00  
Client Sample ID: **WL11665/SOC WELL 5** Lab Sample ID: **21F0771-01**  
Matrix: Ground Water Date/Time Collected: 06/18/21 9:30  
Sample Type: Raw Collected By: G. WHITE

### **Semivolatiles by GC/MS \***

Method: 8270 Prepared: 06/20/21 11:38  
Units: ug/L Analyzed: 06/21/21 12:46

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
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		1.5	
Dimethylphthalate	ND		5.0	
1,3-Dinitrobenzene	ND		1.5	
2,6-Dinitrotoluene	ND		1.5	
Acenaphthylene	ND		1.5	
1,2-Dinitrobenzene	ND		1.5	
3-Nitroaniline	ND		1.5	
Acenaphthene	ND		1.5	
2,4-Dinitrophenol	ND	O2	5.0	
4-Nitrophenol	ND		1.5	
Dibenzofuran	ND		1.5	
2,4-Dinitrotoluene	ND		1.5	
Pentachlorobenzene	ND		1.5	
1-Naphthylamine	ND		5.0	
2-Naphthylamine	ND		1.5	
2,3,4,6-Tetrachlorophenol	ND	J3	1.5	
Diethylphthalate	ND		5.0	
4-Chlorophenyl phenyl ether	ND		1.5	
Fluorene	ND		1.5	

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Test results meet all requirements of NELAC (accredited by Florida DOH #E37645). If you have any questions about this report, please contact Tom Weiss, Laboratory Manager, at 217.782.9780.*

**Reported:**  
06/30/21 07:44  
Page 5 of 67



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Facility Name: ROCKTON  
Project/Facility Number: 2010350 Date Received : 06/18/21  
Funding Code: PW33 Temperature C: 13.00  
Client Sample ID: **WL11665/SOC WELL 5** Lab Sample ID: **21F0771-01**  
Matrix: Ground Water Date/Time Collected: 06/18/21 9:30  
Sample Type: Raw Collected By: G. WHITE

### **Semivolatiles by GC/MS \***

Method: 8270 Prepared: 06/20/21 11:38  
Units: ug/L Analyzed: 06/21/21 12:46

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
4-Nitroaniline	ND		1.5	
4,6-Dinitro-2-methylphenol	ND		1.5	
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	J3, O2	1.5	
Pronamide	ND		1.5	
Pentachloronitrobenzene	ND		1.5	
Phenanthrene	ND		1.5	
Anthracene	ND		1.5	
Carbazole	ND		1.5	
4-Nitrobiphenyl	ND		1.5	
Di-n-butylphthalate	ND		1.5	
5-Nitroacenaphthene	ND		1.5	
Isodrin	ND		1.5	
Fluoranthene	ND		1.5	
Pyrene	ND		5.0	
p-Dimethylaminoazobenzene	ND		5.0	
Butyl benzyl phthalate	ND		5.0	
3,3-Dichlorobenzidine	ND		1.5	
Benzo(a)anthracene	ND		1.5	
Chrysene	ND		1.5	

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Test results meet all requirements of NELAC (accredited by Florida DOH #E37645). If you have any questions about this report, please contact Tom Weiss, Laboratory Manager, at 217.782.9780.*

**Reported:**  
06/30/21 07:44  
Page 6 of 67



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Facility Name: ROCKTON  
Project/Facility Number: 2010350 Date Received : 06/18/21  
Funding Code: PW33 Temperature C: 13.00  
Client Sample ID: **WL11665/SOC WELL 5** Lab Sample ID: **21F0771-01**  
Matrix: Ground Water Date/Time Collected: 06/18/21 9:30  
Sample Type: Raw Collected By: G. WHITE

#### **Semivolatiles by GC/MS \***

Method: 8270 Prepared: 06/20/21 11:38  
Units: ug/L Analyzed: 06/21/21 12:46

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Bis(2-ethylhexyl)phthalate	ND		5.0	
Mestranol	ND		5.0	
Di-n-octylphthalate	ND		1.5	
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		1.5	
Dibenzo(a,h)anthracene	ND		5.0	
Benzo(ghi)perylene	ND		1.5	

#### **Alkalinity by Standard Method 2320B**

Method: 2320B Prepared: 06/21/21 14:42  
Units: mg/L Analyzed: 06/21/21 14:42

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Alkalinity	260	I	20.0	

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Test results meet all requirements of NELAC (accredited by Florida DOH #E37645). If you have any questions about this report, please contact Tom Weiss, Laboratory Manager, at 217.782.9780.*

**Reported:**  
06/30/21 07:44  
Page 7 of 67



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Facility Name: ROCKTON

Project/Facility Number: 2010350

Funding Code: PW33

Date Received : 06/18/21

Temperature C: 13.00

Client Sample ID: **WL11665/SOC WELL 5**

Lab Sample ID: **21F0771-01**

Matrix: Ground Water

Date/Time Collected: 06/18/21 9:30

Sample Type: Raw

Collected By: G. WHITE

#### **Chloride by Ion Chromatography 300.0**

Method: 300.0

Prepared: 06/21/21 11:35

Units: mg/L

Analyzed: 06/29/21 10:35

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
<b>Chloride</b>	<b>78.1</b>		1.00	

#### **Cyanide by EPA Method 335.4**

Method: 335.4

Prepared: 06/21/21 08:54

Units: mg/L

Analyzed: 06/21/21 12:01

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
<b>Cyanide</b>	<b>ND</b>		0.005	

#### **Fluoride by Ion Chromatography 300.0**

Method: 300.0

Prepared: 06/21/21 11:35

Units: mg/L

Analyzed: 06/29/21 10:35

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
<b>Fluoride</b>	<b>0.10</b>		0.10	

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Test results meet all requirements of NELAC (accredited by Florida DOH #E37645). If you have any questions about this report, please contact Tom Weiss, Laboratory Manager, at 217.782.9780.*

**Reported:**  
06/30/21 07:44  
Page 8 of 67





## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Facility Name: ROCKTON  
Project/Facility Number: 2010350 Date Received : 06/18/21  
Funding Code: PW33 Temperature C: 13.00

Client Sample ID: **WL11665/SOC WELL 5** Lab Sample ID: **21F0771-01**  
Matrix: Ground Water Date/Time Collected: 06/18/21 9:30  
Sample Type: Raw Collected By: G. WHITE

#### **Mercury by EPA Method 245.1**

Method: 245.1 Prepared: 06/22/21 07:59  
Units: ug/L Analyzed: 06/22/21 12:21

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Mercury	ND		0.06	

#### **Metals (Drinking Water) by EPA 200 Series Methods ICP**

Method: 200.7 Prepared: 06/19/21 11:10  
Units: ug/L Analyzed: 06/19/21 17:18

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Boron	ND		25.0	
<b>Calcium</b>	<b>77100</b>	J3	300	
<b>Hardness</b>	<b>320000</b>		1980	
Iron	ND		50.0	
<b>Magnesium</b>	<b>30900</b>		300	
<b>Potassium</b>	<b>1950</b>		1400	
<b>Sodium</b>	<b>34400</b>	J3	300	
<b>Strontium</b>	<b>73.5</b>		5.00	

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Test results meet all requirements of NELAC (accredited by Florida DOH #E37645). If you have any questions about this report, please contact Tom Weiss, Laboratory Manager, at 217.782.9780.*

**Reported:**  
06/30/21 07:44  
Page 9 of 67



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Facility Name: ROCKTON  
Project/Facility Number: 2010350 Date Received : 06/18/21  
Funding Code: PW33 Temperature C: 13.00  
Client Sample ID: **WL11665/SOC WELL 5** Lab Sample ID: **21F0771-01**  
Matrix: Ground Water Date/Time Collected: 06/18/21 9:30  
Sample Type: Raw Collected By: G. WHITE

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

Method: 200.8 Prepared: 06/19/21 11:06  
Units: ug/L Analyzed: 06/19/21 14:16

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Aluminum	ND		100	
Antimony	ND		2.00	
Arsenic	ND		1.00	
<b>Barium</b>	<b>40.5</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	
Manganese	ND		15.0	
Molybdenum	ND		20.0	
Nickel	ND		25.0	
Selenium	ND		2.00	
Silver	ND		10.0	
Thallium	ND		2.00	
Vanadium	ND		5.00	
Zinc	ND		100	

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Test results meet all requirements of NELAC (accredited by Florida DOH #E37645). If you have any questions about this report, please contact Tom Weiss, Laboratory Manager, at 217.782.9780.*

**Reported:**  
06/30/21 07:44  
Page 10 of 67



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Facility Name: ROCKTON  
Project/Facility Number: 2010350 Date Received : 06/18/21  
Funding Code: PW33 Temperature C: 13.00

Client Sample ID: **WL11665/SOC WELL 5** Lab Sample ID: **21F0771-01**  
Matrix: Ground Water Date/Time Collected: 06/18/21 9:30  
Sample Type: Raw Collected By: G. WHITE

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

Method: 353.2 Prepared: 06/21/21 10:48  
Units: mg/L Analyzed: 06/21/21 13:57

<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)	2.92		0.100	

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

Method: 4500-NH<sub>3</sub> D Prepared: 06/21/21 11:33  
Units: mg/L Analyzed: 06/21/21 11:33

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

#### **Phenols by EPA Method 420.4**

Method: 420.4 Prepared: 06/21/21 11:28  
Units: ug/L Analyzed: 06/21/21 14:13

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Phenol	ND		10.0	

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Test results meet all requirements of NELAC (accredited by Florida DOH #E37645). If you have any questions about this report, please contact Tom Weiss, Laboratory Manager, at 217.782.9780.*

**Reported:**  
06/30/21 07:44  
Page 11 of 67



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Facility Name: ROCKTON  
Project/Facility Number: 2010350 Date Received : 06/18/21  
Funding Code: PW33 Temperature C: 13.00  
Client Sample ID: **WL11665/SOC WELL 5** Lab Sample ID: **21F0771-01**  
Matrix: Ground Water Date/Time Collected: 06/18/21 9:30  
Sample Type: Raw Collected By: G. WHITE

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

Method: 365.1 Prepared: 06/21/21 08:39  
Units: mg/L Analyzed: 06/21/21 13:02

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
<b>Phosphorus as P</b>	<b>0.0100</b>		0.0050	

#### **Sulfate by Ion Chromatography 300.0**

Method: 300.0 Prepared: 06/21/21 11:35  
Units: mg/L Analyzed: 06/29/21 10:35

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
<b>Sulfate</b>	<b>22.0</b>		10.0	

#### **Total Dissolved Solids, Gravimetric, Dried at 180oC by Std. Method 2540C\***

Method: 2540C Prepared: 06/22/21 10:56  
Units: mg/L Analyzed: 06/22/21 10:56

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
<b>Total Dissolved Solids</b>	<b>472</b>		20	1200

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Test results meet all requirements of NELAC (accredited by Florida DOH #E37645). If you have any questions about this report, please contact Tom Weiss, Laboratory Manager, at 217.782.9780.*

**Reported:**  
06/30/21 07:44  
Page 12 of 67



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Facility Name: ROCKTON  
Project/Facility Number: 2010350 Date Received : 06/18/21  
Funding Code: PW33 Temperature C: 13.00

Client Sample ID: **WL11666/IOC WELL 6** Lab Sample ID: **21F0771-02**  
Matrix: Ground Water Date/Time Collected: 06/18/21 10:40  
Sample Type: Raw Collected By: RYAN BENNETT

#### **Field Parameters--PW33 \***

Method: 9911 Prepared: 06/18/21 10:40  
Units: SU Analyzed: 06/18/21 10:40

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
<b>Pump Rate GPM</b>	<b>650.0</b>			
<b>Specific Conductance</b>	<b>595.0</b>			
<b>Field EH</b>	<b>426.0</b>			
<b>Field pH</b>	<b>6.730</b>			
<b>Field Temperature</b>	<b>12.45</b>			
<b>Run Time min.</b>	<b>35.00</b>			

#### **Semivolatiles by GC/MS \***

Method: 8270 Prepared: 06/20/21 11:38  
Units: ug/L Analyzed: 06/21/21 13:21

<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		5.0	
Bis(2-chloroethyl)ether	ND		1.5	
2-Chlorophenol	ND		5.0	
1,3-Dichlorobenzene	ND		1.5	
1,4-Dichlorobenzene	ND		1.5	
1,2-Dichlorobenzene	ND		1.5	

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Test results meet all requirements of NELAC (accredited by Florida DOH #E37645). If you have any questions about this report, please contact Tom Weiss, Laboratory Manager, at 217.782.9780.*

**Reported:**  
06/30/21 07:44  
Page 13 of 67



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Facility Name: ROCKTON  
Project/Facility Number: 2010350 Date Received : 06/18/21  
Funding Code: PW33 Temperature C: 13.00

Client Sample ID: **WL11666/IOC WELL 6** Lab Sample ID: **21F0771-02**  
Matrix: Ground Water Date/Time Collected: 06/18/21 10:40  
Sample Type: Raw Collected By: RYAN BENNETT

### **Semivolatiles by GC/MS \***

Method: 8270 Prepared: 06/20/21 11:38  
Units: ug/L Analyzed: 06/21/21 13:21

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
2-Methylphenol	ND		5.0	
2,2-Oxybis(1-chloropropane)	ND		1.5	
Acetophenone	ND		1.5	
4-Methylphenol	ND		5.0	
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		1.5	
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	
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		5.0	
Isosafrole	ND		1.5	
2-Methylnaphthalene	ND		1.5	
1,2,4,5-Tetrachlorobenzene	ND		1.5	

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Test results meet all requirements of NELAC (accredited by Florida DOH #E37645). If you have any questions about this report, please contact Tom Weiss, Laboratory Manager, at 217.782.9780.*

**Reported:**  
06/30/21 07:44  
Page 14 of 67



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Facility Name: ROCKTON  
Project/Facility Number: 2010350 Date Received : 06/18/21  
Funding Code: PW33 Temperature C: 13.00  
Client Sample ID: **WL11666/IOC WELL 6** Lab Sample ID: **21F0771-02**  
Matrix: Ground Water Date/Time Collected: 06/18/21 10:40  
Sample Type: Raw Collected By: RYAN BENNETT

### **Semivolatiles by GC/MS \***

Method: 8270 Prepared: 06/20/21 11:38  
Units: ug/L Analyzed: 06/21/21 13:21

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
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		1.5	
Dimethylphthalate	ND		5.0	
1,3-Dinitrobenzene	ND		1.5	
2,6-Dinitrotoluene	ND		1.5	
Acenaphthylene	ND		1.5	
1,2-Dinitrobenzene	ND		1.5	
3-Nitroaniline	ND		1.5	
Acenaphthene	ND		1.5	
2,4-Dinitrophenol	ND	O2	5.0	
4-Nitrophenol	ND		1.5	
Dibenzofuran	ND		1.5	
2,4-Dinitrotoluene	ND		1.5	
Pentachlorobenzene	ND		1.5	
1-Naphthylamine	ND		5.0	
2-Naphthylamine	ND		1.5	
2,3,4,6-Tetrachlorophenol	ND		1.5	
Diethylphthalate	ND		5.0	

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Test results meet all requirements of NELAC (accredited by Florida DOH #E37645). If you have any questions about this report, please contact Tom Weiss, Laboratory Manager, at 217.782.9780.*

**Reported:**  
06/30/21 07:44  
Page 15 of 67



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Facility Name: ROCKTON  
Project/Facility Number: 2010350 Date Received : 06/18/21  
Funding Code: PW33 Temperature C: 13.00  
Client Sample ID: **WL11666/IOC WELL 6** Lab Sample ID: **21F0771-02**  
Matrix: Ground Water Date/Time Collected: 06/18/21 10:40  
Sample Type: Raw Collected By: RYAN BENNETT

### **Semivolatiles by GC/MS \***

Method: 8270 Prepared: 06/20/21 11:38  
Units: ug/L Analyzed: 06/21/21 13:21

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
4-Chlorophenyl phenyl ether	ND		1.5	
Fluorene	ND		1.5	
4-Nitroaniline	ND		1.5	
4,6-Dinitro-2-methylphenol	ND		1.5	
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	1.5	
Pronamide	ND		1.5	
Pentachloronitrobenzene	ND		1.5	
Phenanthrene	ND		1.5	
Anthracene	ND		1.5	
Carbazole	ND		1.5	
4-Nitrobiphenyl	ND		1.5	
Di-n-butylphthalate	ND		1.5	
5-Nitroacenaphthene	ND		1.5	
Isodrin	ND		1.5	
Fluoranthene	ND		1.5	
Pyrene	ND		5.0	
p-Dimethylaminoazobenzene	ND		5.0	
Butyl benzyl phthalate	ND		5.0	
3,3-Dichlorobenzidine	ND		1.5	

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Test results meet all requirements of NELAC (accredited by Florida DOH #E37645). If you have any questions about this report, please contact Tom Weiss, Laboratory Manager, at 217.782.9780.*

**Reported:**  
06/30/21 07:44  
Page 16 of 67





## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Facility Name: ROCKTON  
Project/Facility Number: 2010350 Date Received : 06/18/21  
Funding Code: PW33 Temperature C: 13.00  
Client Sample ID: **WL11666/IOC WELL 6** Lab Sample ID: **21F0771-02**  
Matrix: Ground Water Date/Time Collected: 06/18/21 10:40  
Sample Type: Raw Collected By: RYAN BENNETT

### **Semivolatiles by GC/MS \***

Method: 8270 Prepared: 06/20/21 11:38  
Units: ug/L Analyzed: 06/21/21 13:21

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
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		1.5	
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		1.5	
Dibenzo(a,h)anthracene	ND		5.0	
Benzo(ghi)perylene	ND		1.5	

### **Alkalinity by Standard Method 2320B**

Method: 2320B Prepared: 06/21/21 14:42  
Units: mg/L Analyzed: 06/21/21 14:42

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
<b>Alkalinity</b>	<b>296</b>	<b>I</b>	<b>20.0</b>	

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Test results meet all requirements of NELAC (accredited by Florida DOH #E37645). If you have any questions about this report, please contact Tom Weiss, Laboratory Manager, at 217.782.9780.*

**Reported:**  
06/30/21 07:44  
Page 17 of 67



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Facility Name: ROCKTON  
Project/Facility Number: 2010350 Date Received : 06/18/21  
Funding Code: PW33 Temperature C: 13.00

Client Sample ID: **WL11666/IOC WELL 6** Lab Sample ID: **21F0771-02**  
Matrix: Ground Water Date/Time Collected: 06/18/21 10:40  
Sample Type: Raw Collected By: RYAN BENNETT

#### **Chloride by Ion Chromatography 300.0**

Method: 300.0 Prepared: 06/21/21 11:35  
Units: mg/L Analyzed: 06/29/21 10:45

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
<b>Chloride</b>	7.43		1.00	

#### **Cyanide by EPA Method 335.4**

Method: 335.4 Prepared: 06/21/21 08:54  
Units: mg/L Analyzed: 06/21/21 12:01

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
<b>Cyanide</b>	ND		0.005	

#### **Fluoride by Ion Chromatography 300.0**

Method: 300.0 Prepared: 06/21/21 11:35  
Units: mg/L Analyzed: 06/29/21 10:45

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
<b>Fluoride</b>	0.10		0.10	

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Test results meet all requirements of NELAC (accredited by Florida DOH #E37645). If you have any questions about this report, please contact Tom Weiss, Laboratory Manager, at 217.782.9780.*

**Reported:**  
06/30/21 07:44  
Page 18 of 67



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Facility Name: ROCKTON  
Project/Facility Number: 2010350 Date Received : 06/18/21  
Funding Code: PW33 Temperature C: 13.00

Client Sample ID: **WL11666/IOC WELL 6** Lab Sample ID: **21F0771-02**  
Matrix: Ground Water Date/Time Collected: 06/18/21 10:40  
Sample Type: Raw Collected By: RYAN BENNETT

#### **Mercury by EPA Method 245.1**

Method: 245.1 Prepared: 06/22/21 07:59  
Units: ug/L Analyzed: 06/22/21 12:23

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Mercury	ND		0.06	

#### **Metals (Drinking Water) by EPA 200 Series Methods ICP**

Method: 200.7 Prepared: 06/19/21 11:10  
Units: ug/L Analyzed: 06/19/21 17:25

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Boron	ND		25.0	
<b>Calcium</b>	<b>66300</b>		300	
<b>Hardness</b>	<b>308000</b>		1980	
Iron	ND		50.0	
<b>Magnesium</b>	<b>34700</b>		300	
Potassium	ND		1400	
<b>Sodium</b>	<b>4490</b>		300	
<b>Strontium</b>	<b>58.4</b>		5.00	

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Test results meet all requirements of NELAC (accredited by Florida DOH #E37645). If you have any questions about this report, please contact Tom Weiss, Laboratory Manager, at 217.782.9780.*

**Reported:**  
06/30/21 07:44  
Page 19 of 67



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Facility Name: ROCKTON  
Project/Facility Number: 2010350 Date Received : 06/18/21  
Funding Code: PW33 Temperature C: 13.00  
Client Sample ID: **WL11666/IOC WELL 6** Lab Sample ID: **21F0771-02**  
Matrix: Ground Water Date/Time Collected: 06/18/21 10:40  
Sample Type: Raw Collected By: RYAN BENNETT

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

Method: 200.8 Prepared: 06/19/21 11:06  
Units: ug/L Analyzed: 06/19/21 14:20

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Aluminum	ND		100	
Antimony	ND		2.00	
Arsenic	ND		1.00	
<b>Barium</b>	<b>54.2</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>26.4</b>		15.0	
Molybdenum	ND		20.0	
Nickel	ND		25.0	
Selenium	ND		2.00	
Silver	ND		10.0	
Thallium	ND		2.00	
Vanadium	ND		5.00	
Zinc	ND		100	

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Test results meet all requirements of NELAC (accredited by Florida DOH #E37645). If you have any questions about this report, please contact Tom Weiss, Laboratory Manager, at 217.782.9780.*

**Reported:**  
06/30/21 07:44  
Page 20 of 67



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Facility Name: ROCKTON  
Project/Facility Number: 2010350 Date Received : 06/18/21  
Funding Code: PW33 Temperature C: 13.00

Client Sample ID: **WL11666/IOC WELL 6** Lab Sample ID: **21F0771-02**  
Matrix: Ground Water Date/Time Collected: 06/18/21 10:40  
Sample Type: Raw Collected By: RYAN BENNETT

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

Method: 353.2 Prepared: 06/21/21 10:48  
Units: mg/L Analyzed: 06/21/21 13:58

<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)	2.94		0.100	

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

Method: 4500-NH<sub>3</sub> D Prepared: 06/21/21 11:33  
Units: mg/L Analyzed: 06/21/21 11:33

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

#### **Phenols by EPA Method 420.4**

Method: 420.4 Prepared: 06/21/21 11:28  
Units: ug/L Analyzed: 06/21/21 14:13

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Phenol	ND		10.0	

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Test results meet all requirements of NELAC (accredited by Florida DOH #E37645). If you have any questions about this report, please contact Tom Weiss, Laboratory Manager, at 217.782.9780.*

**Reported:**  
06/30/21 07:44  
Page 21 of 67



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Facility Name: ROCKTON  
Project/Facility Number: 2010350 Date Received : 06/18/21  
Funding Code: PW33 Temperature C: 13.00

Client Sample ID: **WL11666/IOC WELL 6** Lab Sample ID: **21F0771-02**  
Matrix: Ground Water Date/Time Collected: 06/18/21 10:40  
Sample Type: Raw Collected By: RYAN BENNETT

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

Method: 365.1 Prepared: 06/21/21 08:39  
Units: mg/L Analyzed: 06/21/21 13:02

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

#### **Sulfate by Ion Chromatography 300.0**

Method: 300.0 Prepared: 06/21/21 11:35  
Units: mg/L Analyzed: 06/29/21 10:45

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Sulfate	10.5		10.0	

#### **Total Dissolved Solids, Gravimetric, Dried at 180oC by Std. Method 2540C\***

Method: 2540C Prepared: 06/22/21 10:56  
Units: mg/L Analyzed: 06/22/21 10:56

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Total Dissolved Solids	354		20	1200

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Test results meet all requirements of NELAC (accredited by Florida DOH #E37645). If you have any questions about this report, please contact Tom Weiss, Laboratory Manager, at 217.782.9780.*

**Reported:**  
06/30/21 07:44  
Page 22 of 67



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Facility Name: ROCKTON  
Project/Facility Number: 2010350 Date Received : 06/18/21  
Funding Code: PW33 Temperature C: 13.00

Client Sample ID: **WL00796/SOC WELL 7** Lab Sample ID: **21F0771-03**  
Matrix: Ground Water Date/Time Collected: 06/18/21 10:30  
Sample Type: Raw Collected By: G. WHITE

#### Field Parameters--PW33 \*

Method: 9911 Prepared: 06/18/21 10:30  
Units: SU Analyzed: 06/18/21 10:30

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Pump Rate GPM	1050			
Specific Conductance	545.0			
Field EH (negative)	60.00			
Field pH	6.560			
Field Temperature	12.36			
Run Time min.	17.00			

#### Chlorinated Acids by GC

Method: 515.4 Prepared: 06/21/21 14:26  
Units: ug/L Analyzed: 06/23/21 07:00

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Dalapon	ND		5.0	
Dicamba	ND		0.25	
2,4-D	ND		1.0	
Pentachlorophenol	ND	J3	0.40	
Silvex	ND		1.0	
Dinoseb	ND		1.0	
Picloram	ND		1.0	
Acifluorfen	ND		0.50	

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Test results meet all requirements of NELAC (accredited by Florida DOH #E37645). If you have any questions about this report, please contact Tom Weiss, Laboratory Manager, at 217.782.9780.*

**Reported:**  
06/30/21 07:44  
Page 23 of 67



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Facility Name: ROCKTON  
Project/Facility Number: 2010350 Date Received : 06/18/21  
Funding Code: PW33 Temperature C: 13.00  
Client Sample ID: **WL00796/SOC WELL 7** Lab Sample ID: **21F0771-03**  
Matrix: Ground Water Date/Time Collected: 06/18/21 10:30  
Sample Type: Raw Collected By: G. WHITE

### **Organic Compounds by GC/MS**

Method: 525.2 Prepared: 06/21/21 14:05  
Units: ug/L Analyzed: 06/22/21 13:00

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Hexachlorocyclopentadiene	ND		0.50	
Propachlor	ND		0.50	
Trifluralin	ND		0.050	
Hexachlorobenzene	ND		0.10	
Simazine	ND		0.35	
Atrazine	ND		0.30	
gamma-BHC (Lindane)	ND		0.020	
Acetochlor	ND		1.0	
Metribuzin	ND		0.10	
Alachlor	ND		0.20	
Heptachlor	ND		0.040	
Bromacil	ND		1.0	
Metolachlor	ND		0.25	
Dacthal	ND		0.50	
Aldrin	ND		0.050	
Cyanazine	ND		0.50	
Heptachlor epoxide	ND		0.020	
Dieldrin	ND		0.050	
Endrin	ND		0.10	
Di(2-ethylhexyl)adipate	ND		0.60	
Methoxychlor	ND		0.10	
Di(2-ethylhexyl)phthalate	ND		1.8	
Benzo(a)pyrene	ND		0.10	
Toxaphene	ND		1.0	

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Test results meet all requirements of NELAC (accredited by Florida DOH #E37645). If you have any questions about this report, please contact Tom Weiss, Laboratory Manager, at 217.782.9780.*

**Reported:**  
06/30/21 07:44  
Page 24 of 67





## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Facility Name: ROCKTON  
Project/Facility Number: 2010350 Date Received : 06/18/21  
Funding Code: PW33 Temperature C: 13.00  
Client Sample ID: **WL00796/SOC WELL 7** Lab Sample ID: **21F0771-03**  
Matrix: Ground Water Date/Time Collected: 06/18/21 10:30  
Sample Type: Raw Collected By: G. WHITE

#### **Organic Compounds by GC/MS**

Method: 525.2 Prepared: 06/21/21 14:05  
Units: ug/L Analyzed: 06/22/21 13:00

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Chlordane	ND		0.20	
Total DDT	ND		1.0	
Total PCBs	ND		0.40	

#### **Semivolatiles by GC/MS \***

Method: 8270 Prepared: 06/20/21 11:38  
Units: ug/L Analyzed: 06/21/21 13:55

<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		5.0	
Bis(2-chloroethyl)ether	ND		1.5	
2-Chlorophenol	ND		5.0	
1,3-Dichlorobenzene	ND		1.5	
1,4-Dichlorobenzene	ND		1.5	
1,2-Dichlorobenzene	ND		1.5	
2-Methylphenol	ND		5.0	
2,2-Oxybis(1-chloropropane)	ND		1.5	

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Test results meet all requirements of NELAC (accredited by Florida DOH #E37645). If you have any questions about this report, please contact Tom Weiss, Laboratory Manager, at 217.782.9780.*

**Reported:**  
06/30/21 07:44  
Page 25 of 67



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Facility Name: ROCKTON  
Project/Facility Number: 2010350 Date Received : 06/18/21  
Funding Code: PW33 Temperature C: 13.00  
Client Sample ID: **WL00796/SOC WELL 7** Lab Sample ID: **21F0771-03**  
Matrix: Ground Water Date/Time Collected: 06/18/21 10:30  
Sample Type: Raw Collected By: G. WHITE

### **Semivolatiles by GC/MS \***

Method: 8270 Prepared: 06/20/21 11:38  
Units: ug/L Analyzed: 06/21/21 13:55

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Acetophenone	ND		1.5	
4-Methylphenol	ND		5.0	
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		1.5	
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	
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		5.0	
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	

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Test results meet all requirements of NELAC (accredited by Florida DOH #E37645). If you have any questions about this report, please contact Tom Weiss, Laboratory Manager, at 217.782.9780.*

**Reported:**  
06/30/21 07:44  
Page 26 of 67



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Facility Name: ROCKTON  
Project/Facility Number: 2010350 Date Received : 06/18/21  
Funding Code: PW33 Temperature C: 13.00  
Client Sample ID: **WL00796/SOC WELL 7** Lab Sample ID: **21F0771-03**  
Matrix: Ground Water Date/Time Collected: 06/18/21 10:30  
Sample Type: Raw Collected By: G. WHITE

### **Semivolatiles by GC/MS \***

Method: 8270 Prepared: 06/20/21 11:38  
Units: ug/L Analyzed: 06/21/21 13:55

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
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		1.5	
Dimethylphthalate	ND		5.0	
1,3-Dinitrobenzene	ND		1.5	
2,6-Dinitrotoluene	ND		1.5	
Acenaphthylene	ND		1.5	
1,2-Dinitrobenzene	ND		1.5	
3-Nitroaniline	ND		1.5	
Acenaphthene	ND		1.5	
2,4-Dinitrophenol	ND	O2	5.0	
4-Nitrophenol	ND		1.5	
Dibenzofuran	ND		1.5	
2,4-Dinitrotoluene	ND		1.5	
Pentachlorobenzene	ND		1.5	
1-Naphthylamine	ND		5.0	
2-Naphthylamine	ND		1.5	
2,3,4,6-Tetrachlorophenol	ND		1.5	
Diethylphthalate	ND		5.0	
4-Chlorophenyl phenyl ether	ND		1.5	
Fluorene	ND		1.5	

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Test results meet all requirements of NELAC (accredited by Florida DOH #E37645). If you have any questions about this report, please contact Tom Weiss, Laboratory Manager, at 217.782.9780.*

**Reported:**  
06/30/21 07:44  
Page 27 of 67



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Facility Name: ROCKTON  
Project/Facility Number: 2010350 Date Received : 06/18/21  
Funding Code: PW33 Temperature C: 13.00  
Client Sample ID: **WL00796/SOC WELL 7** Lab Sample ID: **21F0771-03**  
Matrix: Ground Water Date/Time Collected: 06/18/21 10:30  
Sample Type: Raw Collected By: G. WHITE

### **Semivolatiles by GC/MS \***

Method: 8270 Prepared: 06/20/21 11:38  
Units: ug/L Analyzed: 06/21/21 13:55

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
4-Nitroaniline	ND		1.5	
4,6-Dinitro-2-methylphenol	ND		1.5	
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	1.5	
Pronamide	ND		1.5	
Pentachloronitrobenzene	ND		1.5	
Phenanthrene	ND		1.5	
Anthracene	ND		1.5	
Carbazole	ND		1.5	
4-Nitrobiphenyl	ND		1.5	
Di-n-butylphthalate	ND		1.5	
5-Nitroacenaphthene	ND		1.5	
Isodrin	ND		1.5	
Fluoranthene	ND		1.5	
Pyrene	ND		5.0	
p-Dimethylaminoazobenzene	ND		5.0	
Butyl benzyl phthalate	ND		5.0	
3,3-Dichlorobenzidine	ND		1.5	
Benzo(a)anthracene	ND		1.5	
Chrysene	ND		1.5	

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Test results meet all requirements of NELAC (accredited by Florida DOH #E37645). If you have any questions about this report, please contact Tom Weiss, Laboratory Manager, at 217.782.9780.*

**Reported:**  
06/30/21 07:44  
Page 28 of 67



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Facility Name: ROCKTON  
Project/Facility Number: 2010350 Date Received : 06/18/21  
Funding Code: PW33 Temperature C: 13.00  
Client Sample ID: **WL00796/SOC WELL 7** Lab Sample ID: **21F0771-03**  
Matrix: Ground Water Date/Time Collected: 06/18/21 10:30  
Sample Type: Raw Collected By: G. WHITE

#### **Semivolatiles by GC/MS \***

Method: 8270 Prepared: 06/20/21 11:38  
Units: ug/L Analyzed: 06/21/21 13:55

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Bis(2-ethylhexyl)phthalate	ND		5.0	
Mestranol	ND		5.0	
Di-n-octylphthalate	ND		1.5	
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		1.5	
Dibenzo(a,h)anthracene	ND		5.0	
Benzo(ghi)perylene	ND		1.5	

#### **Alkalinity by Standard Method 2320B**

Method: 2320B Prepared: 06/21/21 14:42  
Units: mg/L Analyzed: 06/21/21 14:42

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Alkalinity	316	I	20.0	

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Test results meet all requirements of NELAC (accredited by Florida DOH #E37645). If you have any questions about this report, please contact Tom Weiss, Laboratory Manager, at 217.782.9780.*

**Reported:**  
06/30/21 07:44  
Page 29 of 67



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Facility Name: ROCKTON  
Project/Facility Number: 2010350 Date Received : 06/18/21  
Funding Code: PW33 Temperature C: 13.00

Client Sample ID: **WL00796/SOC WELL 7** Lab Sample ID: **21F0771-03**  
Matrix: Ground Water Date/Time Collected: 06/18/21 10:30  
Sample Type: Raw Collected By: G. WHITE

#### **Chloride by Ion Chromatography 300.0**

Method: 300.0 Prepared: 06/21/21 11:35  
Units: mg/L Analyzed: 06/29/21 10:56

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Chloride	ND		1.00	

#### **Cyanide by EPA Method 335.4**

Method: 335.4 Prepared: 06/21/21 08:54  
Units: mg/L Analyzed: 06/21/21 12:05

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Cyanide	ND		0.005	

#### **Fluoride by Ion Chromatography 300.0**

Method: 300.0 Prepared: 06/21/21 11:35  
Units: mg/L Analyzed: 06/29/21 10:56

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Fluoride	0.14		0.10	

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Test results meet all requirements of NELAC (accredited by Florida DOH #E37645). If you have any questions about this report, please contact Tom Weiss, Laboratory Manager, at 217.782.9780.*

**Reported:**  
06/30/21 07:44  
Page 30 of 67



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Facility Name: ROCKTON  
Project/Facility Number: 2010350 Date Received : 06/18/21  
Funding Code: PW33 Temperature C: 13.00

Client Sample ID: **WL00796/SOC WELL 7** Lab Sample ID: **21F0771-03**  
Matrix: Ground Water Date/Time Collected: 06/18/21 10:30  
Sample Type: Raw Collected By: G. WHITE

#### **Mercury by EPA Method 245.1**

Method: 245.1 Prepared: 06/22/21 07:59  
Units: ug/L Analyzed: 06/22/21 12:25

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Mercury	ND		0.06	

#### **Metals (Drinking Water) by EPA 200 Series Methods ICP**

Method: 200.7 Prepared: 06/19/21 11:10  
Units: ug/L Analyzed: 06/19/21 17:31

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Boron	ND		25.0	
<b>Calcium</b>	<b>63200</b>		300	
<b>Hardness</b>	<b>307000</b>		1980	
<b>Iron</b>	<b>152</b>		50.0	
<b>Magnesium</b>	<b>36200</b>		300	
<b>Potassium</b>	<b>1670</b>		1400	
<b>Sodium</b>	<b>2710</b>		300	
<b>Strontium</b>	<b>86.3</b>		5.00	

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Test results meet all requirements of NELAC (accredited by Florida DOH #E37645). If you have any questions about this report, please contact Tom Weiss, Laboratory Manager, at 217.782.9780.*

**Reported:**  
06/30/21 07:44  
Page 31 of 67



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Facility Name: ROCKTON  
Project/Facility Number: 2010350 Date Received : 06/18/21  
Funding Code: PW33 Temperature C: 13.00  
Client Sample ID: **WL00796/SOC WELL 7** Lab Sample ID: **21F0771-03**  
Matrix: Ground Water Date/Time Collected: 06/18/21 10:30  
Sample Type: Raw Collected By: G. WHITE

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

Method: 200.8 Prepared: 06/19/21 11:06  
Units: ug/L Analyzed: 06/19/21 14:24

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Aluminum	ND		100	
Antimony	ND		2.00	
Arsenic	ND		1.00	
<b>Barium</b>	<b>164</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>147</b>		15.0	
Molybdenum	ND		20.0	
Nickel	ND		25.0	
Selenium	ND		2.00	
Silver	ND		10.0	
Thallium	ND		2.00	
Vanadium	ND		5.00	
Zinc	ND		100	

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Test results meet all requirements of NELAC (accredited by Florida DOH #E37645). If you have any questions about this report, please contact Tom Weiss, Laboratory Manager, at 217.782.9780.*

**Reported:**  
06/30/21 07:44  
Page 32 of 67





## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Facility Name: ROCKTON  
Project/Facility Number: 2010350 Date Received : 06/18/21  
Funding Code: PW33 Temperature C: 13.00

Client Sample ID: **WL00796/SOC WELL 7** Lab Sample ID: **21F0771-03**  
Matrix: Ground Water Date/Time Collected: 06/18/21 10:30  
Sample Type: Raw Collected By: G. WHITE

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

Method: 353.2 Prepared: 06/21/21 10:48  
Units: mg/L Analyzed: 06/21/21 13:59

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Nitrogen, Nitrite (NO <sub>2</sub> ) + Nitrate (NO <sub>3</sub> )	ND		0.100	

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

Method: 4500-NH3 D Prepared: 06/21/21 11:33  
Units: mg/L Analyzed: 06/21/21 11:33

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Ammonia as N	0.19		0.10	

#### **Phenols by EPA Method 420.4**

Method: 420.4 Prepared: 06/21/21 11:28  
Units: ug/L Analyzed: 06/21/21 14:13

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Phenol	ND		10.0	

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Test results meet all requirements of NELAC (accredited by Florida DOH #E37645). If you have any questions about this report, please contact Tom Weiss, Laboratory Manager, at 217.782.9780.*

**Reported:**  
06/30/21 07:44  
Page 33 of 67



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Facility Name: ROCKTON  
Project/Facility Number: 2010350 Date Received : 06/18/21  
Funding Code: PW33 Temperature C: 13.00  
Client Sample ID: **WL00796/SOC WELL 7** Lab Sample ID: **21F0771-03**  
Matrix: Ground Water Date/Time Collected: 06/18/21 10:30  
Sample Type: Raw Collected By: G. WHITE

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

Method: 365.1 Prepared: 06/21/21 08:39  
Units: mg/L Analyzed: 06/21/21 13:03

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

#### **Sulfate by Ion Chromatography 300.0**

Method: 300.0 Prepared: 06/21/21 11:35  
Units: mg/L Analyzed: 06/29/21 10:56

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Sulfate	ND		10.0	

#### **Total Dissolved Solids, Gravimetric, Dried at 180oC by Std. Method 2540C\***

Method: 2540C Prepared: 06/22/21 10:56  
Units: mg/L Analyzed: 06/22/21 10:56

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Total Dissolved Solids	340		20	1200

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Test results meet all requirements of NELAC (accredited by Florida DOH #E37645). If you have any questions about this report, please contact Tom Weiss, Laboratory Manager, at 217.782.9780.*

**Reported:**  
06/30/21 07:44  
Page 34 of 67



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Facility Name: ROCKTON  
Project/Facility Number: 2010350 Date Received : 06/18/21  
Funding Code: PW33 Temperature C: 13.00

Client Sample ID: **WL01789/SOC WELL 9** Lab Sample ID: **21F0771-04**  
Matrix: Ground Water Date/Time Collected: 06/18/21 10:50  
Sample Type: Raw Collected By: G. WHITE

#### Field Parameters--PW33 \*

Method: 9911 Prepared: 06/18/21 10:50  
Units: SU Analyzed: 06/18/21 10:50

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Pump Rate GPM	750.0			
Specific Conductance	677.0			
Field EH	290.0			
Field pH	6.500			
Field Temperature	12.36			
Run Time min.	5.000			

#### Chlorinated Acids by GC

Method: 515.4 Prepared: 06/21/21 14:26  
Units: ug/L Analyzed: 06/23/21 07:54

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Dalapon	ND		5.0	
Dicamba	ND		0.25	
2,4-D	ND		1.0	
Pentachlorophenol	ND		0.40	
Silvex	ND		1.0	
Dinoseb	ND		1.0	
Picloram	ND		1.0	
Acifluorfen	ND		0.50	

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Test results meet all requirements of NELAC (accredited by Florida DOH #E37645). If you have any questions about this report, please contact Tom Weiss, Laboratory Manager, at 217.782.9780.*

**Reported:**  
06/30/21 07:44  
Page 35 of 67



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Facility Name: ROCKTON  
Project/Facility Number: 2010350 Date Received : 06/18/21  
Funding Code: PW33 Temperature C: 13.00

Client Sample ID: **WL01789/SOC WELL 9** Lab Sample ID: **21F0771-04**  
Matrix: Ground Water Date/Time Collected: 06/18/21 10:50  
Sample Type: Raw Collected By: G. WHITE

### **Organic Compounds by GC/MS**

Method: 525.2 Prepared: 06/21/21 14:05  
Units: ug/L Analyzed: 06/22/21 13:34

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Hexachlorocyclopentadiene	ND		0.50	
Propachlor	ND		0.50	
Trifluralin	ND		0.050	
Hexachlorobenzene	ND		0.10	
Simazine	ND		0.35	
Atrazine	ND		0.30	
gamma-BHC (Lindane)	ND		0.020	
Acetochlor	ND		1.0	
Metribuzin	ND		0.10	
Alachlor	ND		0.20	
Heptachlor	ND		0.040	
Bromacil	ND		1.0	
Metolachlor	ND		0.25	
Dacthal	ND		0.50	
Aldrin	ND		0.050	
Cyanazine	ND		0.50	
Heptachlor epoxide	ND		0.020	
Dieldrin	ND		0.050	
Endrin	ND		0.10	
Di(2-ethylhexyl)adipate	ND		0.60	
Methoxychlor	ND		0.10	
Di(2-ethylhexyl)phthalate	ND		1.8	
Benzo(a)pyrene	ND		0.10	
Toxaphene	ND		1.0	

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Test results meet all requirements of NELAC (accredited by Florida DOH #E37645). If you have any questions about this report, please contact Tom Weiss, Laboratory Manager, at 217.782.9780.*

**Reported:**  
06/30/21 07:44  
Page 36 of 67



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Facility Name: ROCKTON  
Project/Facility Number: 2010350 Date Received : 06/18/21  
Funding Code: PW33 Temperature C: 13.00  
Client Sample ID: **WL01789/SOC WELL 9** Lab Sample ID: **21F0771-04**  
Matrix: Ground Water Date/Time Collected: 06/18/21 10:50  
Sample Type: Raw Collected By: G. WHITE

### **Organic Compounds by GC/MS**

Method: 525.2 Prepared: 06/21/21 14:05  
Units: ug/L Analyzed: 06/22/21 13:34

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Chlordane	ND		0.20	
Total DDT	ND		1.0	
Total PCBs	ND		0.40	

### **Semivolatiles by GC/MS \***

Method: 8270 Prepared: 06/20/21 11:38  
Units: ug/L Analyzed: 06/21/21 14:30

<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		5.0	
Bis(2-chloroethyl)ether	ND		1.5	
2-Chlorophenol	ND		5.0	
1,3-Dichlorobenzene	ND		1.5	
1,4-Dichlorobenzene	ND		1.5	
1,2-Dichlorobenzene	ND		1.5	
2-Methylphenol	ND		5.0	
2,2-Oxybis(1-chloropropane)	ND		1.5	

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Test results meet all requirements of NELAC (accredited by Florida DOH #E37645). If you have any questions about this report, please contact Tom Weiss, Laboratory Manager, at 217.782.9780.*

**Reported:**  
06/30/21 07:44  
Page 37 of 67



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Facility Name: ROCKTON  
Project/Facility Number: 2010350 Date Received : 06/18/21  
Funding Code: PW33 Temperature C: 13.00  
Client Sample ID: **WL01789/SOC WELL 9** Lab Sample ID: **21F0771-04**  
Matrix: Ground Water Date/Time Collected: 06/18/21 10:50  
Sample Type: Raw Collected By: G. WHITE

### **Semivolatiles by GC/MS \***

Method: 8270 Prepared: 06/20/21 11:38  
Units: ug/L Analyzed: 06/21/21 14:30

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Acetophenone	ND		1.5	
4-Methylphenol	ND		5.0	
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		1.5	
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	
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		5.0	
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	

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Test results meet all requirements of NELAC (accredited by Florida DOH #E37645). If you have any questions about this report, please contact Tom Weiss, Laboratory Manager, at 217.782.9780.*

**Reported:**  
06/30/21 07:44  
Page 38 of 67



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Facility Name: ROCKTON  
Project/Facility Number: 2010350 Date Received : 06/18/21  
Funding Code: PW33 Temperature C: 13.00  
Client Sample ID: **WL01789/SOC WELL 9** Lab Sample ID: **21F0771-04**  
Matrix: Ground Water Date/Time Collected: 06/18/21 10:50  
Sample Type: Raw Collected By: G. WHITE

### **Semivolatiles by GC/MS \***

Method: 8270 Prepared: 06/20/21 11:38  
Units: ug/L Analyzed: 06/21/21 14:30

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
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		1.5	
Dimethylphthalate	ND		5.0	
1,3-Dinitrobenzene	ND		1.5	
2,6-Dinitrotoluene	ND		1.5	
Acenaphthylene	ND		1.5	
1,2-Dinitrobenzene	ND		1.5	
3-Nitroaniline	ND		1.5	
Acenaphthene	ND		1.5	
2,4-Dinitrophenol	ND	O2	5.0	
4-Nitrophenol	ND		1.5	
Dibenzofuran	ND		1.5	
2,4-Dinitrotoluene	ND		1.5	
Pentachlorobenzene	ND		1.5	
1-Naphthylamine	ND		5.0	
2-Naphthylamine	ND		1.5	
2,3,4,6-Tetrachlorophenol	ND		1.5	
Diethylphthalate	ND		5.0	
4-Chlorophenyl phenyl ether	ND		1.5	
Fluorene	ND		1.5	

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Test results meet all requirements of NELAC (accredited by Florida DOH #E37645). If you have any questions about this report, please contact Tom Weiss, Laboratory Manager, at 217.782.9780.*

**Reported:**  
06/30/21 07:44  
Page 39 of 67



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Facility Name: ROCKTON  
Project/Facility Number: 2010350 Date Received : 06/18/21  
Funding Code: PW33 Temperature C: 13.00  
Client Sample ID: **WL01789/SOC WELL 9** Lab Sample ID: **21F0771-04**  
Matrix: Ground Water Date/Time Collected: 06/18/21 10:50  
Sample Type: Raw Collected By: G. WHITE

### **Semivolatiles by GC/MS \***

Method: 8270 Prepared: 06/20/21 11:38  
Units: ug/L Analyzed: 06/21/21 14:30

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
4-Nitroaniline	ND		1.5	
4,6-Dinitro-2-methylphenol	ND		1.5	
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	1.5	
Pronamide	ND		1.5	
Pentachloronitrobenzene	ND		1.5	
Phenanthrene	ND		1.5	
Anthracene	ND		1.5	
Carbazole	ND		1.5	
4-Nitrobiphenyl	ND		1.5	
Di-n-butylphthalate	ND		1.5	
5-Nitroacenaphthene	ND		1.5	
Isodrin	ND		1.5	
Fluoranthene	ND		1.5	
Pyrene	ND		5.0	
p-Dimethylaminoazobenzene	ND		5.0	
Butyl benzyl phthalate	ND		5.0	
3,3-Dichlorobenzidine	ND		1.5	
Benzo(a)anthracene	ND		1.5	
Chrysene	ND		1.5	

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Test results meet all requirements of NELAC (accredited by Florida DOH #E37645). If you have any questions about this report, please contact Tom Weiss, Laboratory Manager, at 217.782.9780.*

**Reported:**  
06/30/21 07:44  
Page 40 of 67





## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Facility Name: ROCKTON  
Project/Facility Number: 2010350 Date Received : 06/18/21  
Funding Code: PW33 Temperature C: 13.00  
Client Sample ID: **WL01789/SOC WELL 9** Lab Sample ID: **21F0771-04**  
Matrix: Ground Water Date/Time Collected: 06/18/21 10:50  
Sample Type: Raw Collected By: G. WHITE

#### **Semivolatiles by GC/MS \***

Method: 8270 Prepared: 06/20/21 11:38  
Units: ug/L Analyzed: 06/21/21 14:30

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Bis(2-ethylhexyl)phthalate	ND		5.0	
Mestranol	ND		5.0	
Di-n-octylphthalate	ND		1.5	
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		1.5	
Dibenzo(a,h)anthracene	ND		5.0	
Benzo(ghi)perylene	ND		1.5	

#### **Alkalinity by Standard Method 2320B**

Method: 2320B Prepared: 06/21/21 14:42  
Units: mg/L Analyzed: 06/21/21 14:42

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Alkalinity	228	I	20.0	

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Test results meet all requirements of NELAC (accredited by Florida DOH #E37645). If you have any questions about this report, please contact Tom Weiss, Laboratory Manager, at 217.782.9780.*

**Reported:**  
06/30/21 07:44  
Page 41 of 67



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Facility Name: ROCKTON  
Project/Facility Number: 2010350 Date Received : 06/18/21  
Funding Code: PW33 Temperature C: 13.00

Client Sample ID: **WL01789/SOC WELL 9** Lab Sample ID: **21F0771-04**  
Matrix: Ground Water Date/Time Collected: 06/18/21 10:50  
Sample Type: Raw Collected By: G. WHITE

#### **Chloride by Ion Chromatography 300.0**

Method: 300.0 Prepared: 06/21/21 11:35  
Units: mg/L Analyzed: 06/29/21 11:06

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
<b>Chloride</b>	71.6		1.00	

#### **Cyanide by EPA Method 335.4**

Method: 335.4 Prepared: 06/21/21 08:54  
Units: mg/L Analyzed: 06/21/21 12:06

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
<b>Cyanide</b>	ND		0.005	

#### **Fluoride by Ion Chromatography 300.0**

Method: 300.0 Prepared: 06/21/21 11:35  
Units: mg/L Analyzed: 06/29/21 11:06

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
<b>Fluoride</b>	0.11		0.10	

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Test results meet all requirements of NELAC (accredited by Florida DOH #E37645). If you have any questions about this report, please contact Tom Weiss, Laboratory Manager, at 217.782.9780.*

**Reported:**  
06/30/21 07:44  
Page 42 of 67



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Facility Name: ROCKTON  
Project/Facility Number: 2010350 Date Received : 06/18/21  
Funding Code: PW33 Temperature C: 13.00  
Client Sample ID: **WL01789/SOC WELL 9** Lab Sample ID: **21F0771-04**  
Matrix: Ground Water Date/Time Collected: 06/18/21 10:50  
Sample Type: Raw Collected By: G. WHITE

#### Mercury by EPA Method 245.1

Method: 245.1 Prepared: 06/22/21 07:59  
Units: ug/L Analyzed: 06/22/21 12:27

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Mercury	0.48		0.06	

#### Metals (Drinking Water) by EPA 200 Series Methods ICP

Method: 200.7 Prepared: 06/19/21 11:10  
Units: ug/L Analyzed: 06/19/21 17:38

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Boron	ND		25.0	
Calcium	69700		300	
Hardness	296000		1980	
Iron	ND		50.0	
Magnesium	29600		300	
Potassium	2110		1400	
Sodium	26000		300	
Strontium	56.4		5.00	

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Test results meet all requirements of NELAC (accredited by Florida DOH #E37645). If you have any questions about this report, please contact Tom Weiss, Laboratory Manager, at 217.782.9780.*

**Reported:**  
06/30/21 07:44  
Page 43 of 67



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Facility Name: ROCKTON  
Project/Facility Number: 2010350 Date Received : 06/18/21  
Funding Code: PW33 Temperature C: 13.00  
Client Sample ID: **WL01789/SOC WELL 9** Lab Sample ID: **21F0771-04**  
Matrix: Ground Water Date/Time Collected: 06/18/21 10:50  
Sample Type: Raw Collected By: G. WHITE

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

Method: 200.8 Prepared: 06/19/21 11:06  
Units: ug/L Analyzed: 06/19/21 14:29

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Aluminum	ND		100	
Antimony	ND		2.00	
Arsenic	ND		1.00	
<b>Barium</b>	<b>37.7</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	
Manganese	ND		15.0	
Molybdenum	ND		20.0	
Nickel	ND		25.0	
Selenium	ND		2.00	
Silver	ND		10.0	
Thallium	ND		2.00	
Vanadium	ND		5.00	
Zinc	ND		100	

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Test results meet all requirements of NELAC (accredited by Florida DOH #E37645). If you have any questions about this report, please contact Tom Weiss, Laboratory Manager, at 217.782.9780.*

**Reported:**  
06/30/21 07:44  
Page 44 of 67



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Facility Name: ROCKTON  
Project/Facility Number: 2010350 Date Received : 06/18/21  
Funding Code: PW33 Temperature C: 13.00  
Client Sample ID: **WL01789/SOC WELL 9** Lab Sample ID: **21F0771-04**  
Matrix: Ground Water Date/Time Collected: 06/18/21 10:50  
Sample Type: Raw Collected By: G. WHITE

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

Method: 353.2 Prepared: 06/21/21 10:48  
Units: mg/L Analyzed: 06/21/21 14:00

<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)	2.73		0.100	

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

Method: 4500-NH<sub>3</sub> D Prepared: 06/21/21 11:33  
Units: mg/L Analyzed: 06/21/21 11:33

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

#### **Phenols by EPA Method 420.4**

Method: 420.4 Prepared: 06/21/21 11:28  
Units: ug/L Analyzed: 06/21/21 14:13

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Phenol	ND		10.0	

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Test results meet all requirements of NELAC (accredited by Florida DOH #E37645). If you have any questions about this report, please contact Tom Weiss, Laboratory Manager, at 217.782.9780.*

**Reported:**  
06/30/21 07:44  
Page 45 of 67



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Facility Name: ROCKTON

Project/Facility Number: 2010350

Funding Code: PW33

Date Received : 06/18/21

Temperature C: 13.00

Client Sample ID: **WL01789/SOC WELL 9**

Lab Sample ID: **21F0771-04**

Matrix: Ground Water

Date/Time Collected: 06/18/21 10:50

Sample Type: Raw

Collected By: G. WHITE

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

Method: 365.1

Prepared: 06/21/21 08:39

Units: mg/L

Analyzed: 06/21/21 13:03

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
<b>Phosphorus as P</b>	<b>0.0070</b>		0.0050	

#### **Sulfate by Ion Chromatography 300.0**

Method: 300.0

Prepared: 06/21/21 11:35

Units: mg/L

Analyzed: 06/29/21 11:06

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
<b>Sulfate</b>	<b>25.9</b>		10.0	

#### **Total Dissolved Solids, Gravimetric, Dried at 180oC by Std. Method 2540C\***

Method: 2540C

Prepared: 06/22/21 10:56

Units: mg/L

Analyzed: 06/22/21 10:56

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
<b>Total Dissolved Solids</b>	<b>434</b>		20	1200

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Test results meet all requirements of NELAC (accredited by Florida DOH #E37645). If you have any questions about this report, please contact Tom Weiss, Laboratory Manager, at 217.782.9780.*

**Reported:**  
06/30/21 07:44  
Page 46 of 67



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Facility Name: ROCKTON  
Project/Facility Number: 2010350 Date Received : 06/18/21  
Funding Code: PW33 Temperature C: 13.00  
Client Sample ID: **WL01981/IOC WELL 10** Lab Sample ID: **21F0771-05**  
Matrix: Ground Water Date/Time Collected: 06/18/21 9:54  
Sample Type: Raw Collected By: RYAN BENNETT

#### **Field Parameters--PW33 \***

Method: 9911 Prepared: 06/18/21 09:54  
Units: SU Analyzed: 06/18/21 09:54

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Pump Rate GPM	630.0			
Specific Conductance	555.0			
Field EH	451.0			
Field pH	6.790			
Field Temperature	12.98			
Run Time min.	20.00			

#### **Semivolatiles by GC/MS \***

Method: 8270 Prepared: 06/20/21 11:38  
Units: ug/L Analyzed: 06/21/21 15:04

<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		5.0	
Bis(2-chloroethyl)ether	ND		1.5	
2-Chlorophenol	ND		5.0	
1,3-Dichlorobenzene	ND		1.5	
1,4-Dichlorobenzene	ND		1.5	
1,2-Dichlorobenzene	ND		1.5	

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Test results meet all requirements of NELAC (accredited by Florida DOH #E37645). If you have any questions about this report, please contact Tom Weiss, Laboratory Manager, at 217.782.9780.*

**Reported:**  
06/30/21 07:44  
Page 47 of 67



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Facility Name: ROCKTON  
Project/Facility Number: 2010350 Date Received : 06/18/21  
Funding Code: PW33 Temperature C: 13.00  
Client Sample ID: **WL01981/IOC WELL 10** Lab Sample ID: **21F0771-05**  
Matrix: Ground Water Date/Time Collected: 06/18/21 9:54  
Sample Type: Raw Collected By: RYAN BENNETT

### **Semivolatiles by GC/MS \***

Method: 8270 Prepared: 06/20/21 11:38  
Units: ug/L Analyzed: 06/21/21 15:04

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
2-Methylphenol	ND		5.0	
2,2-Oxybis(1-chloropropane)	ND		1.5	
Acetophenone	ND		1.5	
4-Methylphenol	ND		5.0	
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		1.5	
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	
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		5.0	
Isosafrole	ND		1.5	
2-Methylnaphthalene	ND		1.5	
1,2,4,5-Tetrachlorobenzene	ND		1.5	

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Test results meet all requirements of NELAC (accredited by Florida DOH #E37645). If you have any questions about this report, please contact Tom Weiss, Laboratory Manager, at 217.782.9780.*

**Reported:**  
06/30/21 07:44  
Page 48 of 67





## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Facility Name: ROCKTON  
Project/Facility Number: 2010350 Date Received : 06/18/21  
Funding Code: PW33 Temperature C: 13.00  
Client Sample ID: **WL01981/IOC WELL 10** Lab Sample ID: **21F0771-05**  
Matrix: Ground Water Date/Time Collected: 06/18/21 9:54  
Sample Type: Raw Collected By: RYAN BENNETT

### **Semivolatiles by GC/MS \***

Method: 8270 Prepared: 06/20/21 11:38  
Units: ug/L Analyzed: 06/21/21 15:04

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
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		1.5	
Dimethylphthalate	ND		5.0	
1,3-Dinitrobenzene	ND		1.5	
2,6-Dinitrotoluene	ND		1.5	
Acenaphthylene	ND		1.5	
1,2-Dinitrobenzene	ND		1.5	
3-Nitroaniline	ND		1.5	
Acenaphthene	ND		1.5	
2,4-Dinitrophenol	ND	02	5.0	
4-Nitrophenol	ND		1.5	
Dibenzofuran	ND		1.5	
2,4-Dinitrotoluene	ND		1.5	
Pentachlorobenzene	ND		1.5	
1-Naphthylamine	ND		5.0	
2-Naphthylamine	ND		1.5	
2,3,4,6-Tetrachlorophenol	ND		1.5	
Diethylphthalate	ND		5.0	

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Test results meet all requirements of NELAC (accredited by Florida DOH #E37645). If you have any questions about this report, please contact Tom Weiss, Laboratory Manager, at 217.782.9780.*

**Reported:**  
06/30/21 07:44  
Page 49 of 67



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Facility Name: ROCKTON  
Project/Facility Number: 2010350 Date Received : 06/18/21  
Funding Code: PW33 Temperature C: 13.00  
Client Sample ID: **WL01981/IOC WELL 10** Lab Sample ID: **21F0771-05**  
Matrix: Ground Water Date/Time Collected: 06/18/21 9:54  
Sample Type: Raw Collected By: RYAN BENNETT

### **Semivolatiles by GC/MS \***

Method: 8270 Prepared: 06/20/21 11:38  
Units: ug/L Analyzed: 06/21/21 15:04

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
4-Chlorophenyl phenyl ether	ND		1.5	
Fluorene	ND		1.5	
4-Nitroaniline	ND		1.5	
4,6-Dinitro-2-methylphenol	ND		1.5	
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	1.5	
Pronamide	ND		1.5	
Pentachloronitrobenzene	ND		1.5	
Phenanthrene	ND		1.5	
Anthracene	ND		1.5	
Carbazole	ND		1.5	
4-Nitrobiphenyl	ND		1.5	
Di-n-butylphthalate	ND		1.5	
5-Nitroacenaphthene	ND		1.5	
Isodrin	ND		1.5	
Fluoranthene	ND		1.5	
Pyrene	ND		5.0	
p-Dimethylaminoazobenzene	ND		5.0	
Butyl benzyl phthalate	ND		5.0	
3,3-Dichlorobenzidine	ND		1.5	

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Test results meet all requirements of NELAC (accredited by Florida DOH #E37645). If you have any questions about this report, please contact Tom Weiss, Laboratory Manager, at 217.782.9780.*

**Reported:**  
06/30/21 07:44  
Page 50 of 67



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Facility Name: ROCKTON  
Project/Facility Number: 2010350 Date Received : 06/18/21  
Funding Code: PW33 Temperature C: 13.00  
Client Sample ID: **WL01981/IOC WELL 10** Lab Sample ID: **21F0771-05**  
Matrix: Ground Water Date/Time Collected: 06/18/21 9:54  
Sample Type: Raw Collected By: RYAN BENNETT

### **Semivolatiles by GC/MS \***

Method: 8270 Prepared: 06/20/21 11:38  
Units: ug/L Analyzed: 06/21/21 15:04

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
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		1.5	
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		1.5	
Dibenzo(a,h)anthracene	ND		5.0	
Benzo(ghi)perylene	ND		1.5	

### **Alkalinity by Standard Method 2320B**

Method: 2320B Prepared: 06/21/21 14:42  
Units: mg/L Analyzed: 06/21/21 14:42

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
<b>Alkalinity</b>	<b>262</b>	<b>I</b>	<b>20.0</b>	

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Test results meet all requirements of NELAC (accredited by Florida DOH #E37645). If you have any questions about this report, please contact Tom Weiss, Laboratory Manager, at 217.782.9780.*

**Reported:**  
06/30/21 07:44  
Page 51 of 67



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Facility Name: ROCKTON  
Project/Facility Number: 2010350 Date Received : 06/18/21  
Funding Code: PW33 Temperature C: 13.00

Client Sample ID: **WL01981/IOC WELL 10** Lab Sample ID: **21F0771-05**  
Matrix: Ground Water Date/Time Collected: 06/18/21 9:54  
Sample Type: Raw Collected By: RYAN BENNETT

#### **Chloride by Ion Chromatography 300.0**

Method: 300.0 Prepared: 06/21/21 11:35  
Units: mg/L Analyzed: 06/29/21 11:16

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
<b>Chloride</b>	<b>16.4</b>		1.00	

#### **Cyanide by EPA Method 335.4**

Method: 335.4 Prepared: 06/21/21 08:54  
Units: mg/L Analyzed: 06/21/21 12:08

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
<b>Cyanide</b>	<b>ND</b>		0.005	

#### **Fluoride by Ion Chromatography 300.0**

Method: 300.0 Prepared: 06/21/21 11:35  
Units: mg/L Analyzed: 06/29/21 11:16

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
<b>Fluoride</b>	<b>0.15</b>		0.10	

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Test results meet all requirements of NELAC (accredited by Florida DOH #E37645). If you have any questions about this report, please contact Tom Weiss, Laboratory Manager, at 217.782.9780.*

**Reported:**  
06/30/21 07:44  
Page 52 of 67



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Facility Name: ROCKTON  
Project/Facility Number: 2010350 Date Received : 06/18/21  
Funding Code: PW33 Temperature C: 13.00

Client Sample ID: **WL01981/IOC WELL 10** Lab Sample ID: **21F0771-05**  
Matrix: Ground Water Date/Time Collected: 06/18/21 9:54  
Sample Type: Raw Collected By: RYAN BENNETT

#### **Mercury by EPA Method 245.1**

Method: 245.1 Prepared: 06/22/21 07:59  
Units: ug/L Analyzed: 06/22/21 12:30

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Mercury	ND		0.06	

#### **Metals (Drinking Water) by EPA 200 Series Methods ICP**

Method: 200.7 Prepared: 06/19/21 11:10  
Units: ug/L Analyzed: 06/19/21 17:45

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Boron	ND		25.0	
<b>Calcium</b>	<b>67800</b>		300	
<b>Hardness</b>	<b>290000</b>		1980	
Iron	ND		50.0	
<b>Magnesium</b>	<b>29200</b>		300	
Potassium	ND		1400	
<b>Sodium</b>	<b>4790</b>		300	
<b>Strontium</b>	<b>110</b>		5.00	

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Test results meet all requirements of NELAC (accredited by Florida DOH #E37645). If you have any questions about this report, please contact Tom Weiss, Laboratory Manager, at 217.782.9780.*

**Reported:**  
06/30/21 07:44  
Page 53 of 67



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Facility Name: ROCKTON  
Project/Facility Number: 2010350 Date Received : 06/18/21  
Funding Code: PW33 Temperature C: 13.00  
Client Sample ID: **WL01981/IOC WELL 10** Lab Sample ID: **21F0771-05**  
Matrix: Ground Water Date/Time Collected: 06/18/21 9:54  
Sample Type: Raw Collected By: RYAN BENNETT

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

Method: 200.8 Prepared: 06/19/21 11:06  
Units: ug/L Analyzed: 06/19/21 14:33

<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>1.44</b>		1.00	
<b>Barium</b>	<b>51.0</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>130</b>		15.0	
Molybdenum	ND		20.0	
Nickel	ND		25.0	
Selenium	ND		2.00	
Silver	ND		10.0	
Thallium	ND		2.00	
Vanadium	ND		5.00	
Zinc	ND		100	

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Test results meet all requirements of NELAC (accredited by Florida DOH #E37645). If you have any questions about this report, please contact Tom Weiss, Laboratory Manager, at 217.782.9780.*

**Reported:**  
06/30/21 07:44  
Page 54 of 67



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Facility Name: ROCKTON  
Project/Facility Number: 2010350 Date Received : 06/18/21  
Funding Code: PW33 Temperature C: 13.00

Client Sample ID: **WL01981/IOC WELL 10** Lab Sample ID: **21F0771-05**  
Matrix: Ground Water Date/Time Collected: 06/18/21 9:54  
Sample Type: Raw Collected By: RYAN BENNETT

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

Method: 353.2 Prepared: 06/21/21 10:48  
Units: mg/L Analyzed: 06/21/21 14:01

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Nitrogen, Nitrite (NO <sub>2</sub> ) + Nitrate (NO <sub>3</sub> )	ND		0.100	

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

Method: 4500-NH3 D Prepared: 06/21/21 11:33  
Units: mg/L Analyzed: 06/21/21 11:33

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

#### **Phenols by EPA Method 420.4**

Method: 420.4 Prepared: 06/21/21 11:28  
Units: ug/L Analyzed: 06/21/21 14:13

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Phenol	ND		10.0	

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Test results meet all requirements of NELAC (accredited by Florida DOH #E37645). If you have any questions about this report, please contact Tom Weiss, Laboratory Manager, at 217.782.9780.*

**Reported:**  
06/30/21 07:44  
Page 55 of 67



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Facility Name: ROCKTON  
Project/Facility Number: 2010350 Date Received : 06/18/21  
Funding Code: PW33 Temperature C: 13.00  
Client Sample ID: **WL01981/IOC WELL 10** Lab Sample ID: **21F0771-05**  
Matrix: Ground Water Date/Time Collected: 06/18/21 9:54  
Sample Type: Raw Collected By: RYAN BENNETT

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

Method: 365.1 Prepared: 06/21/21 08:39  
Units: mg/L Analyzed: 06/21/21 13:04

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
<b>Phosphorus as P</b>	<b>0.0170</b>		0.0050	

#### **Sulfate by Ion Chromatography 300.0**

Method: 300.0 Prepared: 06/21/21 11:35  
Units: mg/L Analyzed: 06/29/21 11:16

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
<b>Sulfate</b>	<b>18.9</b>		10.0	

#### **Total Dissolved Solids, Gravimetric, Dried at 180oC by Std. Method 2540C\***

Method: 2540C Prepared: 06/22/21 10:56  
Units: mg/L Analyzed: 06/22/21 10:56

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
<b>Total Dissolved Solids</b>	<b>338</b>		20	1200

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Test results meet all requirements of NELAC (accredited by Florida DOH #E37645). If you have any questions about this report, please contact Tom Weiss, Laboratory Manager, at 217.782.9780.*

**Reported:**  
06/30/21 07:44  
Page 56 of 67





## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Facility Name: ROCKTON

Project/Facility Number: 2010350

Funding Code: PW33

Date Received : 06/18/21

Temperature C: 13.00

Client Sample ID: **FINISHED**

Lab Sample ID: **21F0771-06**

Matrix: Ground Water

Date/Time Collected: 06/18/21 8:50

Sample Type: Raw

Collected By: RYAN BENNETT

#### **Field Parameters--PW33 \***

Method: 9911

Prepared: 06/18/21 08:50

Units: SU

Analyzed: 06/18/21 08:50

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
<b>Run Time min.</b>	<b>20.00</b>			

#### **Semivolatiles by GC/MS \***

Method: 8270

Prepared: 06/20/21 11:38

Units: ug/L

Analyzed: 06/21/21 12:11

<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		5.0	
Bis(2-chloroethyl)ether	ND		1.5	
2-Chlorophenol	ND		5.0	
1,3-Dichlorobenzene	ND		1.5	
1,4-Dichlorobenzene	ND		1.5	
1,2-Dichlorobenzene	ND		1.5	
2-Methylphenol	ND		5.0	
2,2-Oxybis(1-chloropropane)	ND		1.5	
Acetophenone	ND		1.5	
4-Methylphenol	ND		5.0	
N-Nitrosodi-n-propylamine	ND		1.5	

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Test results meet all requirements of NELAC (accredited by Florida DOH #E37645). If you have any questions about this report, please contact Tom Weiss, Laboratory Manager, at 217.782.9780.*

**Reported:**  
06/30/21 07:44  
Page 57 of 67



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Facility Name: ROCKTON  
Project/Facility Number: 2010350 Date Received : 06/18/21  
Funding Code: PW33 Temperature C: 13.00  
Client Sample ID: **FINISHED** Lab Sample ID: **21F0771-06**  
Matrix: Ground Water Date/Time Collected: 06/18/21 8:50  
Sample Type: Raw Collected By: RYAN BENNETT

### **Semivolatiles by GC/MS \***

Method: 8270 Prepared: 06/20/21 11:38  
Units: ug/L Analyzed: 06/21/21 12:11

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Hexachloroethane	ND		1.5	
Nitrobenzene	ND		1.5	
N-Nitrosopiperidine	ND		1.5	
Isophorone	ND		1.5	
2-Nitrophenol	ND		1.5	
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	
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		5.0	
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	

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Test results meet all requirements of NELAC (accredited by Florida DOH #E37645). If you have any questions about this report, please contact Tom Weiss, Laboratory Manager, at 217.782.9780.*

**Reported:**  
06/30/21 07:44  
Page 58 of 67



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Facility Name: ROCKTON  
Project/Facility Number: 2010350 Date Received : 06/18/21  
Funding Code: PW33 Temperature C: 13.00  
Client Sample ID: **FINISHED** Lab Sample ID: **21F0771-06**  
Matrix: Ground Water Date/Time Collected: 06/18/21 8:50  
Sample Type: Raw Collected By: RYAN BENNETT

### Semivolatiles by GC/MS \*

Method: 8270 Prepared: 06/20/21 11:38  
Units: ug/L Analyzed: 06/21/21 12:11

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
1-Chloronaphthalene	ND		1.5	
2-Nitroaniline	ND		1.5	
1,4-Dinitrobenzene	ND		1.5	
Dimethylphthalate	ND		5.0	
1,3-Dinitrobenzene	ND		1.5	
2,6-Dinitrotoluene	ND		1.5	
Acenaphthylene	ND		1.5	
1,2-Dinitrobenzene	ND		1.5	
3-Nitroaniline	ND		1.5	
Acenaphthene	ND		1.5	
2,4-Dinitrophenol	ND	O2	5.0	
4-Nitrophenol	ND		1.5	
Dibenzofuran	ND		1.5	
2,4-Dinitrotoluene	ND		1.5	
Pentachlorobenzene	ND		1.5	
1-Naphthylamine	ND		5.0	
2-Naphthylamine	ND		1.5	
2,3,4,6-Tetrachlorophenol	ND		1.5	
Diethylphthalate	ND		5.0	
4-Chlorophenyl phenyl ether	ND		1.5	
Fluorene	ND		1.5	
4-Nitroaniline	ND		1.5	
4,6-Dinitro-2-methylphenol	ND		1.5	
Diphenylamine	ND		1.5	

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Test results meet all requirements of NELAC (accredited by Florida DOH #E37645). If you have any questions about this report, please contact Tom Weiss, Laboratory Manager, at 217.782.9780.*

**Reported:**  
06/30/21 07:44  
Page 59 of 67



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Facility Name: ROCKTON  
Project/Facility Number: 2010350 Date Received : 06/18/21  
Funding Code: PW33 Temperature C: 13.00  
Client Sample ID: **FINISHED** Lab Sample ID: **21F0771-06**  
Matrix: Ground Water Date/Time Collected: 06/18/21 8:50  
Sample Type: Raw Collected By: RYAN BENNETT

### Semivolatiles by GC/MS \*

Method: 8270 Prepared: 06/20/21 11:38  
Units: ug/L Analyzed: 06/21/21 12:11

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Azobenzene	ND		1.5	
Phenacetin	ND		1.5	
4-Bromophenyl phenyl ether	ND		1.5	
Hexachlorobenzene	ND		1.5	
Pentachlorophenol	ND	O2	1.5	
Pronamide	ND		1.5	
Pentachloronitrobenzene	ND		1.5	
Phenanthrene	ND		1.5	
Anthracene	ND		1.5	
Carbazole	ND		1.5	
4-Nitrobiphenyl	ND		1.5	
Di-n-butylphthalate	ND		1.5	
5-Nitroacenaphthene	ND		1.5	
Isodrin	ND		1.5	
Fluoranthene	ND		1.5	
Pyrene	ND		5.0	
p-Dimethylaminoazobenzene	ND		5.0	
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		1.5	

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Test results meet all requirements of NELAC (accredited by Florida DOH #E37645). If you have any questions about this report, please contact Tom Weiss, Laboratory Manager, at 217.782.9780.*

**Reported:**  
06/30/21 07:44  
Page 60 of 67



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Facility Name: ROCKTON  
Project/Facility Number: 2010350 Date Received : 06/18/21  
Funding Code: PW33 Temperature C: 13.00

Client Sample ID: **FINISHED** Lab Sample ID: **21F0771-06**  
Matrix: Ground Water Date/Time Collected: 06/18/21 8:50  
Sample Type: Raw Collected By: RYAN BENNETT

#### Semivolatiles by GC/MS \*

Method: 8270 Prepared: 06/20/21 11:38  
Units: ug/L Analyzed: 06/21/21 12:11

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
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		1.5	
Dibenzo(a,h)anthracene	ND		5.0	
Benzo(ghi)perylene	ND		1.5	

#### Alkalinity by Standard Method 2320B

Method: 2320B Prepared: 06/21/21 14:42  
Units: mg/L Analyzed: 06/21/21 14:42

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Alkalinity	270	I	20.0	

#### Chloride by Ion Chromatography 300.0

Method: 300.0 Prepared: 06/21/21 11:35  
Units: mg/L Analyzed: 06/29/21 11:28

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Chloride	55.0		1.00	

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Test results meet all requirements of NELAC (accredited by Florida DOH #E37645). If you have any questions about this report, please contact Tom Weiss, Laboratory Manager, at 217.782.9780.*

**Reported:**  
06/30/21 07:44  
Page 61 of 67



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Facility Name: ROCKTON

Project/Facility Number: 2010350

Funding Code: PW33

Date Received : 06/18/21

Temperature C: 13.00

Client Sample ID: **FINISHED**

Lab Sample ID: **21F0771-06**

Matrix: Ground Water

Date/Time Collected: 06/18/21 8:50

Sample Type: Raw

Collected By: RYAN BENNETT

#### **Cyanide by EPA Method 335.4**

Method: 335.4

Prepared: 06/21/21 08:54

Units: mg/L

Analyzed: 06/21/21 12:09

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Cyanide	ND		0.005	

#### **Fluoride by Ion Chromatography 300.0**

Method: 300.0

Prepared: 06/21/21 11:35

Units: mg/L

Analyzed: 06/29/21 11:28

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Fluoride	0.71		0.10	

#### **Mercury by EPA Method 245.1**

Method: 245.1

Prepared: 06/22/21 07:59

Units: ug/L

Analyzed: 06/22/21 12:32

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Mercury	0.21		0.06	

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Test results meet all requirements of NELAC (accredited by Florida DOH #E37645). If you have any questions about this report, please contact Tom Weiss, Laboratory Manager, at 217.782.9780.*

**Reported:**  
06/30/21 07:44  
Page 62 of 67



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Facility Name: ROCKTON  
Project/Facility Number: 2010350 Date Received : 06/18/21  
Funding Code: PW33 Temperature C: 13.00  
Client Sample ID: **FINISHED** Lab Sample ID: **21F0771-06**  
Matrix: Ground Water Date/Time Collected: 06/18/21 8:50  
Sample Type: Raw Collected By: RYAN BENNETT

#### **Metals (Drinking Water) by EPA 200 Series Methods ICP**

Method: 200.7 Prepared: 06/19/21 11:10  
Units: ug/L Analyzed: 06/19/21 17:52

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Boron	ND		25.0	
Calcium	71300		300	
Hardness	312000		1980	
Iron	93.3		50.0	
Magnesium	32500		300	
Potassium	2320		1400	
Sodium	24500		300	
Strontium	74.0		5.00	

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

Method: 200.8 Prepared: 06/19/21 11:06  
Units: ug/L Analyzed: 06/19/21 14:38

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Aluminum	ND		100	
Antimony	ND		2.00	
Arsenic	ND		1.00	
Barium	72.8		5.00	
Beryllium	ND		1.00	
Cadmium	ND		3.00	
Chromium	ND		5.00	

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Test results meet all requirements of NELAC (accredited by Florida DOH #E37645). If you have any questions about this report, please contact Tom Weiss, Laboratory Manager, at 217.782.9780.*

**Reported:**  
06/30/21 07:44  
Page 63 of 67



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Facility Name: ROCKTON  
Project/Facility Number: 2010350 Date Received : 06/18/21  
Funding Code: PW33 Temperature C: 13.00

Client Sample ID: **FINISHED** Lab Sample ID: **21F0771-06**  
Matrix: Ground Water Date/Time Collected: 06/18/21 8:50  
Sample Type: Raw Collected By: RYAN BENNETT

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

Method: 200.8 Prepared: 06/19/21 11:06  
Units: ug/L Analyzed: 06/19/21 14:38

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Cobalt	ND		10.0	
Copper	ND		100	
Lead	ND		5.00	
<b>Manganese</b>	<b>20.1</b>		15.0	
Molybdenum	ND		20.0	
Nickel	ND		25.0	
Selenium	ND		2.00	
Silver	ND		10.0	
Thallium	ND		2.00	
Vanadium	ND		5.00	
Zinc	ND		100	

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

Method: 353.2 Prepared: 06/21/21 10:48  
Units: mg/L Analyzed: 06/21/21 14:03

<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>1.93</b>		0.100	

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Test results meet all requirements of NELAC (accredited by Florida DOH #E37645). If you have any questions about this report, please contact Tom Weiss, Laboratory Manager, at 217.782.9780.*

**Reported:**  
06/30/21 07:44  
Page 64 of 67





## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Facility Name: ROCKTON  
Project/Facility Number: 2010350 Date Received : 06/18/21  
Funding Code: PW33 Temperature C: 13.00  
Client Sample ID: **FINISHED** Lab Sample ID: **21F0771-06**  
Matrix: Ground Water Date/Time Collected: 06/18/21 8:50  
Sample Type: Raw Collected By: RYAN BENNETT

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

Method: 4500-NH3 D Prepared: 06/21/21 11:37  
Units: mg/L Analyzed: 06/21/21 11:37

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

#### **Phenols by EPA Method 420.4**

Method: 420.4 Prepared: 06/21/21 11:28  
Units: ug/L Analyzed: 06/21/21 14:13

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Phenol	ND		10.0	

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

Method: 365.1 Prepared: 06/21/21 08:39  
Units: mg/L Analyzed: 06/21/21 13:05

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Phosphorus as P	0.139		0.0050	

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Test results meet all requirements of NELAC (accredited by Florida DOH #E37645). If you have any questions about this report, please contact Tom Weiss, Laboratory Manager, at 217.782.9780.*

**Reported:**  
06/30/21 07:44  
Page 65 of 67



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Facility Name: ROCKTON

Project/Facility Number: 2010350

Funding Code: PW33

Date Received : 06/18/21

Temperature C: 13.00

Client Sample ID: **FINISHED**

Lab Sample ID: **21F0771-06**

Matrix: Ground Water

Date/Time Collected: 06/18/21 8:50

Sample Type: Raw

Collected By: RYAN BENNETT

#### **Sulfate by Ion Chromatography 300.0**

Method: 300.0

Prepared: 06/21/21 11:35

Units: mg/L

Analyzed: 06/29/21 11:28

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Sulfate	16.5		10.0	

#### **Total Dissolved Solids, Gravimetric, Dried at 180oC by Std. Method 2540C\***

Method: 2540C

Prepared: 06/22/21 10:56

Units: mg/L

Analyzed: 06/22/21 10:56

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Total Dissolved Solids	416		20	1200

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Test results meet all requirements of NELAC (accredited by Florida DOH #E37645). If you have any questions about this report, please contact Tom Weiss, Laboratory Manager, at 217.782.9780.*

**Reported:**  
06/30/21 07:44  
Page 66 of 67



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Facility Name: ROCKTON  
Project/Facility Number: 2010350 Date Received : 06/18/21  
Funding Code: PW33 Temperature C: 13.00

#### **Notes and Definitions**

- O2 Quality control sample 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.
- I See Case Narrative for more information.
- ND Analyte NOT DETECTED at or above the reporting limit
- \* Non-NELAP accredited

The alkalinity of the sample is measured to pH 4.5.

PW33 metals by 200.7 - standards were not matrix matched to samples, Silica not reported.

Report Authorized by:

Tom Weiss  
Laboratory Manager

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Test results meet all requirements of NELAC (accredited by Florida DOH #E37645). If you have any questions about this report, please contact Tom Weiss, Laboratory Manager, at 217.782.9780.*

**Reported:**  
06/30/21 07:44  
Page 67 of 67