



# ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

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PAT QUINN, GOVERNOR

LISA BONNETT, INTERIM DIRECTOR

(217) 524-1663

November 10, 2011

Mike Ribordy  
Chief, Emergency Response Section 2  
Emergency Response Branch 2  
U.S. EPA, Region 5  
77 West Jackson Boulevard, SE-5J  
Chicago, IL 60604

Re: Wedron Groundwater  
LPC# 0998290003 – LaSalle County  
SF/Tech

Dear Mr. Ribordy:

I am requesting the Region 5 Offices of the United States Environmental Protection Agency (U.S. EPA) assign an On-Scene Coordinator and provide assistance to the Illinois Environmental Protection Agency (Illinois EPA) at the Wedron Groundwater site located in Wedron, LaSalle County, Illinois.

The Wedron Groundwater site was identified in 2011 when two residential drinking water wells detected Benzene above Maximum Contaminant Levels (MCLs). The two wells provide drinking water for three homes located along the west-central portion of Wedron (one well is shared by two homes). In October 2011, Illinois EPA's Office of Site Evaluation conducted Pre-CERCLIS Screening Assessment activities that included re-sampling the two impacted wells. The results indicated that Removal Action Levels for Benzene and Ethylbenzene were exceeded in one well. The other well exceeded the MCL for Benzene, but was collected from an outdoor spigot in line with a water softener within the home. The analytical results are attached to this referral. Illinois EPA is seeking assistance from U.S. EPA to provide alternative drinking water supplies for these two residential homes. Due to confidentiality reasons, the addresses and names of those residents are not included in this referral but will be provided upon request.

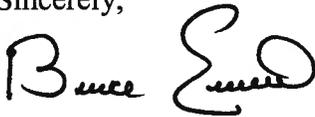
At time of this referral, the source(s) of the groundwater contamination is unknown. Illinois EPA is currently gathering information that may identify the potential source(s) of the Benzene, Ethylbenzene, Xylene, and Toluene (BTEX) contamination. This investigation will also provide additional information regarding local geology and groundwater flow. Illinois EPA has already submitted a Site

Information Form (SIF) to U.S. EPA and the identification number is pending. The attached map depicts the investigative area and includes the location of the two residential wells.

Please have your On-Scene Coordinator contact me as soon as possible to discuss additional site information. Illinois EPA's Office of Community Relations and LaSalle County Health Department has also been involved with the investigation and will be able to provide outreach within the community.

As always, the Illinois EPA will provide assistance to U.S. EPA regarding this matter. Thank you for your continued assistance and we look forward to hearing from U.S. EPA for this projected and future removal activities.

Sincerely,

A handwritten signature in black ink, appearing to read "Bruce Everetts". The signature is written in a cursive style with a large initial "B" and a stylized "E".

Bruce Everetts  
Office of Site Evaluation  
Division of Remediation Management  
Bureau of Land

bcc: Division File, w/ attachments  
Jason El-Zein, U.S. EPA w/o attachments, via e-mail  
Dean Studer, OCR, w/o attachments, via e-mail

**Sample Location Map  
Wedron, Illinois  
LaSalle County**



County Highway 21

2062nd Road

G 201  
G 202

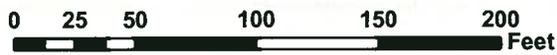
G 203

3468th Road

3462nd Road

Adams Street

**Map Scale**



source: Illinois Natural resource Geospatial Clearinghouse,  
Illinois State Geological Survey,  
<http://www.isgs.edu/nsdihome/>, 2005 Digital  
Orthophoto Quarter Quadrangles, LaSalle County,  
Wedron SE Quadrangle, UTM



# Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

## LABORATORY RESULTS

Name: **WEDRON GW**

Project/Facility Number: 0998290003 Date Received : 10/19/11

Funding Code: PR51 Visit Number:

Trip ID: Temperature C: 3.00

Client Sample ID: **G201** Lab Sample ID: **SJ11009-01**

Matrix: Water Collected By: BE Date/Time Collected: 10/19/11 9:45

Sample Type: Sample Depth: Total Depth: 0

### Volatile Organic Compounds by GC/MS

Method: 524.2 Prepared: 10/21/11 11:18

Units: ug/L Analyzed: 10/21/11 13:18

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Vinyl chloride	ND		0.50	2
1,1-Dichloroethene	ND		0.50	7
Methylene chloride	ND		0.50	5
trans-1,2-Dichloroethene	ND		0.50	100
Methyl tert-butyl ether	ND		0.50	
cis-1,2-Dichloroethene	ND		0.50	70
1,2-Dichloroethane	ND		0.50	5
1,1,1-Trichloroethane	ND		0.50	200
Carbon tetrachloride	ND		0.50	5
<b>Benzene</b>	<b>11.8</b>		0.50	5
1,2-Dichloropropane	ND		0.50	5
Trichloroethene	ND		0.50	5
1,1,2-Trichloroethane	ND		0.50	5
Toluene	ND		0.50	1000
Tetrachloroethene	ND		0.50	5
Chlorobenzene	ND		0.50	100
Ethylbenzene	ND		0.50	700
Styrene	ND		0.50	100
1,4-Dichlorobenzene	ND		0.50	75
1,2-Dichlorobenzene	ND		0.50	600
1,2,4-Trichlorobenzene	ND		0.50	70
Xylenes, total	ND		0.50	10000

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).

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# Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

## LABORATORY RESULTS

Name: **WEDRON GW**

Project/Facility Number: 0998290003 Date Received: 10/19/11

Funding Code: PR51 Visit Number:

Trip ID: Temperature C: 3.00

Client Sample ID: **G202** Lab Sample ID: **SJ11009-02**

Matrix: Water Collected By: BE Date/Time Collected: 10/19/11 9:45

Sample Type: Sample Depth: Total Depth: 0

### Volatile Organic Compounds by GC/MS

Method: 524.2 Prepared: 10/21/11 11:18

Units: ug/L Analyzed: 10/21/11 13:52

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Vinyl chloride	ND		0.50	2
1,1-Dichloroethene	ND		0.50	7
Methylene chloride	ND		0.50	5
trans-1,2-Dichloroethene	ND		0.50	100
Methyl tert-butyl ether	ND		0.50	
cis-1,2-Dichloroethene	ND		0.50	70
1,2-Dichloroethane	ND		0.50	5
1,1,1-Trichloroethane	ND		0.50	200
Carbon tetrachloride	ND		0.50	5
<b>Benzene</b>	<b>12.0</b>		0.50	5
1,2-Dichloropropane	ND		0.50	5
Trichloroethene	ND		0.50	5
1,1,2-Trichloroethane	ND		0.50	5
Toluene	ND		0.50	1000
Tetrachloroethene	ND		0.50	5
Chlorobenzene	ND		0.50	100
Ethylbenzene	ND		0.50	700
Styrene	ND		0.50	100
1,4-Dichlorobenzene	ND		0.50	75
1,2-Dichlorobenzene	ND		0.50	600
1,2,4-Trichlorobenzene	ND		0.50	70
Xylenes, total	ND		0.50	10000

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).

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**Illinois Environmental Protection Agency Laboratory**

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

**LABORATORY RESULTS**

Name: **WEDRON GW**

Project/Facility Number: 0998290003 Date Received : 10/19/11

Funding Code: PR51 Visit Number:

Trip ID: Temperature C: 3.00

Client Sample ID: **G203** Lab Sample ID: **SJ11009-03**

Matrix: Water Collected By: BE Date/Time Collected: 10/19/11 10:40

Sample Type: Sample Depth: Total Depth: 0

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

Method: 8260 Prepared: 10/20/11 09:24

Units: ug/L Analyzed: 10/20/11 13:59

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Chloromethane	ND		2.0	
Vinyl chloride	ND		2.0	
Bromomethane	ND		2.0	
Chloroethane	ND		2.0	
Trichlorofluoromethane	ND		2.0	
Acetone	ND		10	
1,1-Dichloroethene	ND		2.0	
Methylene chloride	ND		5.0	
Carbon disulfide	ND		2.0	
trans-1,2-Dichloroethene	ND		2.0	
Methyl tert-butyl ether	ND		2.0	
1,1-Dichloroethane	ND		2.0	
2-Butanone (MEK) *	ND		10	
cis-1,2-Dichloroethene	ND		2.0	
Bromochloromethane	ND		2.0	
Chloroform	ND		2.0	
2,2-Dichloropropane	ND		2.0	
1,2-Dichloroethane	ND		2.0	
1,1,1-Trichloroethane	ND		2.0	
1,1-Dichloropropene	ND		2.0	
Carbon tetrachloride	ND		2.0	
<b>Benzene</b>	<b>2800</b>		100	
Dibromomethane	ND		2.0	
1,2-Dichloropropane	ND		2.0	

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# Illinois Environmental Protection Agency Laboratory

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## LABORATORY RESULTS

Name: **WEDRON GW**

Project/Facility Number: 0998290003 Date Received : 10/19/11

Funding Code: PR51 Visit Number:

Trip ID: Temperature C: 3.00

Client Sample ID: **G203** Lab Sample ID: **SJ11009-03**

Matrix: Water Collected By: BE Date/Time Collected: 10/19/11 10:40

Sample Type: Sample Depth: Total Depth: 0

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

Method: 8260 Prepared: 10/20/11 09:24

Units: ug/L Analyzed: 10/20/11 13:59

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Trichloroethene	ND		2.0	
Bromodichloromethane	ND		2.0	
cis-1,3-Dichloropropene	ND		2.0	
4-Methyl-2-pentanone (MIBK)	ND		2.0	
trans-1,3-Dichloropropene	ND		2.0	
1,1,2-Trichloroethane	ND		2.0	
<b>Toluene</b>	<b>820</b>		100	
1,3-Dichloropropane	ND		2.0	
2-Hexanone (MBK) *	ND		2.0	
Dibromochloromethane	ND		2.0	
1,2-Dibromoethane	ND		2.0	
Tetrachloroethene	ND		2.0	
1,1,1,2-Tetrachloroethane	ND		2.0	
Chlorobenzene	ND		2.0	
<b>Ethylbenzene</b>	<b>1300</b>		100	
Bromoform	ND		2.0	
Styrene	ND		2.0	
1,1,2,2-Tetrachloroethane	ND		2.0	
<b>Xylenes, total</b>	<b>3000</b>		100	
1,2,3-Trichloropropane	ND		2.0	
<b>Isopropylbenzene</b>	<b>56</b>		2.0	
Bromobenzene	ND		2.0	

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# Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

## LABORATORY RESULTS

Name: **WEDRON GW**

Project/Facility Number: 0998290003 Date Received : 10/19/11

Funding Code: PR51 Visit Number:

Trip ID: Temperature C: 3.00

Client Sample ID: **VOC TRIP BLANKS** Lab Sample ID: **SJ11009-04**

Matrix: Water Collected By: NA Date/Time Collected: 10/19/11 0:00

Sample Type: Sample Depth: Total Depth: 0

### Volatile Organic Compounds by GC/MS

Method: 524.2 Prepared: 10/21/11 11:18

Units: ug/L Analyzed: 10/21/11 14:26

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Vinyl chloride	ND		0.50	2
1,1-Dichloroethene	ND		0.50	7
Methylene chloride	ND		0.50	5
trans-1,2-Dichloroethene	ND		0.50	100
Methyl tert-butyl ether	ND		0.50	
cis-1,2-Dichloroethene	ND		0.50	70
1,2-Dichloroethane	ND		0.50	5
1,1,1-Trichloroethane	ND		0.50	200
Carbon tetrachloride	ND		0.50	5
Benzene	ND		0.50	5
1,2-Dichloropropane	ND		0.50	5
Trichloroethene	ND		0.50	5
1,1,2-Trichloroethane	ND		0.50	5
Toluene	ND		0.50	1000
Tetrachloroethene	ND		0.50	5
Chlorobenzene	ND		0.50	100
Ethylbenzene	ND		0.50	700
Styrene	ND		0.50	100
1,4-Dichlorobenzene	ND		0.50	75
1,2-Dichlorobenzene	ND		0.50	600
1,2,4-Trichlorobenzene	ND		0.50	70
Xylenes, total	ND		0.50	10000

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**Illinois Environmental Protection Agency Laboratory**

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

**LABORATORY RESULTS**

Name:	<b>WEDRON GW</b>	Date Received :	10/19/11
Project/Facility Number:	0998290003	Visit Number:	
Funding Code:	PR51	Temperature C:	3.00
Trip ID:			

**Notes and Definitions**

- ND Analyte NOT DETECTED at or above the reporting limit
- \* Non-NELAP accredited

Method 8260 sample SJ11009-03;  
Tentatively identified Compounds (TICS) were detected in the volatile analysis. Please contact the laboratory if additional information about the TICs is needed.

Method 524.2 samples SJ11009-01 and SJ11009-02:  
Tentatively Identified Compounds (TICS) were detected in the volatile analysis. Please contact the laboratory if additional information about the TICs is needed.

Report Authorized by:

Sally Geyston  
Sample Prep Unit Supervisor

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