

LIMITED PHASE II ENVIRONMENTAL SITE ASSESSMENT

Prepared for:

**Marengo-Union Elementary
School District #165**
816 East Grant Street
Marengo, Illinois 60152



Evergreen Academy Property
6506 National Street
Union, Illinois 60180

REPORT DATE: July 29, 2022

MEC PROJECT #: 22-06- 358-GEO

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EXECUTIVE SUMMARY

At the request of the Marengo-Union Elementary School District #165 located at 816 East Grant Street in Marengo, Illinois 60152, Midwest Environmental Consulting Services, Inc. (MEC) performed a Limited Phase II Environmental Assessment (ESA) of the Evergreen Academy property located at 6506 National Street in Union, Illinois 60180 (herein referred to as the Subject Property). A site location diagram is contained as **Figure 1**.

The Subject Property is an approximate 20-acre land parcel in size. The Subject Property is currently developed with the Evergreen Academy School and large sports field along the east and south portions of the Subject Property. A diagram depicting the Subject Property is provided as **Figure 2**.

The purpose of the Limited Phase II ESA was to investigate soil and groundwater conditions along the east and southern perimeter of the Subject Property from potential migration of contaminant impacts from the former chemical plant to the south, across Jefferson Street and the Central Wire facility located to the east of the Subject Property.

On July 8, 2022, MEC performed the Limited Phase II ESA of the Subject Property. MEC advanced four (4) soil borings (GP-1 through GP-4) on the Subject Property. GP-1 and GP-2 were advanced along the east fenced perimeter, and GP-3 and GP-4 were advanced along the southern perimeter of the Subject Property to the north of Jefferson Street. Each soil boring was advanced to a depth of twenty-five (25) feet below grade surface, and sampled continuously. Once each soil boring was completed, a one-inch groundwater monitoring well was installed. A diagram depicting the soil boring and groundwater monitoring well locations is contained as **Figure 3**.

Based on information obtained during the Limited Phase II ESA, including the results of field observations, and the chemical analysis of the soil and groundwater samples collected and analyzed, the following findings and conclusions are made:

- A total of four (4) soil borings were advanced along the eastern and southern perimeters of the Subject Property during this Limited Phase II ESA. The boring locations are designated GP-1 through GP-4. Each of soil borings were continuously sampled to a depth of twenty-five (25) feet bgs. Each collected soil core was screened with a PID for VOC vapors. The PID screening showed no readings above background.
- MEC collected one (1) soil sample from each of the four (4) soil borings, just above the groundwater table, and submitted them to the laboratory for analyses. The four (4) soil samples submitted to the laboratory were analyzed for VOCs, SVOCs RCRA metals, and pH, the contaminants of concern.
- The laboratory analytical results from the soil samples were compared to Tier 1 SROs for Residential Properties (soil), as set forth in TACO. In summary, the laboratory results indicated that the four (4) soil samples analyzed had no VOC, SVOCs, or RCRA metal constituent concentrations exceeding the TACO Tier I SROs for Residential Properties.
- At each soil boring location, a one-inch, PVC groundwater monitoring well was constructed to approximately twenty-five feet bgs. Each groundwater monitoring

well was developed, purged, and sampled. The collected groundwater samples were submitted to the laboratory for VOC, SVOC, RCRA Metals and pH analysis.

- A number of VOC constituents were detected in the groundwater samples collected from MW-1 and MW-4. The concentrations detected were below the TACO SROs for Class I Groundwater. However, specific VOC constituents to include Tetrachloroethene and Trichloroethene are the main constituents found in the former chemical plant property, and have migrated through the groundwater on to the Subject Property.
- Lead was detected above the TACO SRO for Class I Groundwater. Given the operations at the Central Wire facility, as well as the former chemical plant property, it appears that lead has migrated onto the Subject Property. It is our understanding that the Evergreen Academy School utilizes City water and that groundwater is not consumed. Since the consumable water at the Subject property is from City sources, it is not expected that the Subject Property would not be affected by the lead concentrations detected in the groundwater.

Recommendations

Based on the findings of the Phase II ESA, MEC concludes that contaminants of concern (VOCs and Lead) from the Central Wire facility and the former chemical plant have migrated, via the groundwater pathway, onto the Subject Property. MEC recommends that the four groundwater monitoring wells be sampled annually to assess contaminant concentrations migrating onto the Subject Property.

1.0 INTRODUCTION

At the request of the Marengo-Union Elementary School District #165 located at 816 East Grant Street in Marengo, Illinois 60152 Midwest Environmental Consulting Services, Inc. (MEC) performed a Limited Phase II Environmental Assessment (ESA) of the Evergreen Academy School property located at 6506 National Street in Union, Illinois 60180 (Subject Property). A site location diagram is provided as **Figure 1**.

This report provides a summary of the project background, detailed discussions of the methodologies used, and the results of the Limited Phase II ESA that was performed at the Subject Property. A photographic log, soil boring logs, monitoring well details, and the laboratory analytical report are provided as Appendices A, B and C, respectively.

1.1 Site Description

The Subject Property consists of approximately twenty (20) acres of land. The Subject Property is currently developed with the Evergreen Academy School and a large sports field along the east and south portions of the Subject Property. A diagram depicting the Subject Property is provided as **Figure 2**.

1.2 Current Land Use

The Subject Property is currently developed as the Evergreen Academy School.

1.3 Limited Phase II Environmental Assessment

The purpose of the Limited Phase II ESA was to investigate soil and groundwater conditions along the east and southern perimeter of the Subject Property from potential migration of contaminant impacts from the former chemical plant to the south, across Jefferson Street and the Central Wire facility located to the east of the Subject Property.

On July 8, 2022, MEC performed the Limited Phase II ESA at the Subject Property to investigate the subsurface soil conditions and groundwater quality along the eastern and southern perimeters of the Subject Property.

1.4 Site Geology Conditions

A total of four (4) soil borings were advanced at the Subject Property during this Limited Phase II ESA. The soil boring locations are designated as GP-1 through GP-4. Each of the soil borings were continuously sampled to a depth of twenty-five (25) feet below grade surface (bgs). A diagram depicting the soil boring locations is contained as **Figure 3**.

The strata encountered in each of the four (4) soil borings advanced at the Subject Property generally consisted of grass and topsoil along the surface, and underlain by a brown, dry to moist, medium dense, fine to medium sand with little fine gravel to approximately five (5) to six (6) feet bgs. Below, the soil encountered was a gray, medium dense, wet, fine to coarse sand with fine to medium gravel to twenty-five (25) feet bgs.

Groundwater was encountered in each of the four (4) soil borings performed at the Subject Property at an approximate depth of six (6) to seven (7) feet bgs.

2.0 INVESTIGATION METHODOLOGIES

The Limited Phase II ESA was performed in accordance with the MEC proposal dated June 16, 2022. The purpose of the Limited Phase II ESA was to investigate soil and groundwater conditions along the east and southern perimeter of the Subject Property from potential migration of contaminant impacts from the former chemical plant to the south, across Jefferson Street and the Central Wire facility located to the east of the Subject Property.

The following sections provide discussions of the methodologies utilized to perform the Limited Phase II ESA and the results of the assessment.

2.1 Statement of Quality Assurance

MEC personnel arranged and directed the drilling and sampling activities. The sampling procedures were performed according to standards set forth by the Environmental Protection Agency (EPA) and the American Society for Testing and Materials (ASTM). Field measurements were taken using calibrated field instrumentation. MEC retained Suburban Laboratories of Geneva, Illinois, as the contract environmental laboratory for this Limited Phase II ESA. Suburban Laboratories is a National Environmental Laboratory Accreditation Conference (NELAC) accredited laboratory. Data collection activities were performed by MEC professionals and subcontractors who are trained in accordance with Occupational Safety and Health Administration (OSHA) standard 29 CFR 1910.120, Hazardous Operation and Emergency Response Guideline. MEC attests that the information, data, and resulting decisions are technically sound, statistically valid, and properly documented.

2.2 Field Methodologies and Sample Collection Procedures

2.2.1 Soil Borings

On July 8, 2022, MEC advanced four (4) soil borings (GP-1 through GP-4) at the Subject Property. The soil borings were advanced using a track-mounted GeoProbe™ 7720 DT hydraulic, direct-push unit. Each of the soil borings were continuously sampled on 5-foot intervals to a depth of twenty-five (25) feet bgs, where each boring was terminated. Soil samples were collected from each soil boring using 2-inch diameter by 60-inch long DualTube™ samplers with polyethylene terephthalate glycol (PETG) liner inserts, in accordance with ASTM D 6282. A MEC representative was on-site to oversee the drilling operations. The MEC representative was responsible for characterizing the soils encountered, preserving representative samples, and maintaining field notes. The soil borings were logged on a standardized form in accordance with the *Unified Soil Classification System*, ASTM D 2487. Copies of the soil boring logs are contained in **Appendix B**.

2.2.2 Groundwater Monitoring Wells

At each soil boring location, a one-inch diameter, PVC groundwater monitoring well was constructed (MW-1 through MW-4) to an approximate depth of twenty-five (25) feet bgs. Each monitoring well was constructed with a ten (10) foot well screen from fifteen (15) to twenty-five (25) feet bgs, and completed with a flush mounted protective outer casing that was cemented into the ground. The locations of the soil borings and groundwater monitoring wells are depicted on **Figure 3**.

2.2.3 Equipment Decontamination

Prior to use at the Subject Property and between soil boring and sampling locations, the downhole sampling equipment was decontaminated. The purpose of decontamination was to prevent potential cross-contamination between sampling locations and sample intervals. Decontamination consisted of washing the equipment with a scrub brush in a solution of potable water and a non-phosphate detergent. Washed equipment was rinsed with potable water.

2.2.4 Field Soil Screening

The MEC representative used a MiniRae Systems photoionization detector (PID), equipped with a 10.6 electron-volt lamp, to screen the soil samples as they were collected. The PID is a non-specific trace gas analyzer capable of detecting volatile organic compound (VOC) emissions. The PID was calibrated daily in accordance with the manufacturer's specifications. The PID screening results were noted on the soil boring logs in **Appendix B**, and were used by MEC to assist in the selection of samples to be submitted to the contract environmental laboratory for chemical analysis.

2.2.5 Soil Sample Preservation

Soil samples that were submitted for analysis of VOCs were preserved in the field in accordance with SW-846 Method 5035, using samplers as supplied by the contract environmental laboratory. Immediately after filling, labeling, and sealing the sample containers, the containers were placed in a cooler, on ice, for the duration of the daily field activities. The samples were maintained on ice until relinquished to the contract laboratory that day.

2.2.6 Sample Identification

Each soil sample was identified relative to the soil boring location from where the sample was collected. For example:

- "GP-1 @ 5 ft" identified a soil sample obtained from Soil Boring GP-1, from a depth of 5 feet bgs; and so on.

Sample containers were also labeled with information identifying the date and time of sample collection, and the initials of the MEC representative responsible for the sample collection.

2.3 Laboratory Program

The soil and groundwater samples obtained during the Limited Phase II ESA at the Subject Property were tested in accordance with the following program:

Table A: Laboratory Analysis Program

Sample ID	Matrix	Analysis
GP-1 @ 4-5 ft	Soil	VOCs, SVOCs, RCRA metals, pH
GP-2 @ 5-6 ft	Soil	VOCs, SVOCs, RCRA metals, Ph
GP-3 @ 6-7 ft	Soil	VOCs, SVOCs, RCRA metals, pH
GP-4 @ 6-7 ft	Soil	VOCs, SVOCs, RCRA metals, pH
MW-1	Groundwater	VOCs, SVOCs, RCRA metals, pH
MW-2	Groundwater	VOCs, SVOCs, RCRA metals, pH
MW-3	Groundwater	VOCs, SVOCs, RCRA metals, pH
MW-4	Groundwater	VOCs, SVOCs, RCRA metals, pH

Laboratory analyses were performed at the contract environmental laboratory in accordance with methodologies specified in the latest edition of the USEPA Publication Number SW-846, *Test Methods for Evaluating Solid Waste, Physical/Chemical Methods*. A copy of the complete Laboratory Analytical Report is contained as **Appendix C**.

3.0 TIER 1 EVALUATION

MEC's Tier 1 Evaluation consisted of comparing the soil sample laboratory results to the State of Illinois most stringent/default environmental protection standards for residential land use: Tier 1 Soil Remediation Objectives (SROs) for Residential Properties as set forth in Title 35 of the Illinois Administration Code, Part 742, *Tiered Approach to Corrective Action Objectives* (TACO). The TACO objectives are provided as an initial gauge of the level of impacts the Illinois Environmental Protection Agency (IEPA) deems acceptable for a residential (non-industrial/commercial) site.

3.1 Site Characterization and Analytical Results

MEC submitted four (4) soil samples for laboratory analyses, one soil sample from each of the four (4) soil borings. The soil samples were collected at depths that were above the groundwater table observed in each soil boring. The soil samples were analyzed for VOCs, SVOCs, RCRA metals, and pH, the contaminants of concern. A copy of the Laboratory Analytical Report is contained as **Appendix C**.

Soil Sample Analysis

The analytical results for the soil samples collected and analyzed indicated no detections of VOC or SVOC constituents. RCRA metal analysis indicated detections of various RCRA Metal constituents to include Arsenic, Barium, Cadmium, Chromium, and Lead, but were all detected at a concentration below the TACO Tier I SROs for Residential Properties.

Groundwater Sample Analysis

The analytical results for the groundwater samples collected and analyzed indicated no detections of SVOC constituents, for the exception of Pyrene detected in MW-1 and MW-3, and Anthracene in MW-2. These detected SVOC constituents were all below the TACO Tier I SROs for Residential Properties.

A number of VOCs were detected in the groundwater samples to include 2-Butanone and Acetone in MW-1, and Tetrachloroethene and Trichloroethene detected in the groundwater from MW-4. The detected VOC constituents were all below the TACO Tier I SROs for Residential Properties.

RCRA metal analysis indicated detections of various RCRA Metal constituents to include Arsenic, Chromium, and Lead, but were all below the TACO SROs for Class I Groundwater, for the exception of Lead. Lead was detected in each of the groundwater samples (MW-1 through MW-4) exceeding the TACO SRO for Class I Groundwater.

4.0 TIER 1 ENDANGERMENT ASSESSMENT

Soil Samples

The contaminants of concern (VOC, SVOCs, and RCRA metal constituents) did not exceed the most stringent TACO Tier 1 SROs for Residential Properties for the four soil samples submitted for analysis. Since none of the contaminants of concern exceeded the TACO Tier I SROs for soil, no further assessment is necessary at this time.

Groundwater Samples

A number of VOC constituents were detected in the groundwater samples collected from MW-1 and MW-4. The concentrations detected were below the TACO SROs for Class I Groundwater. However, specific VOC constituents detected include Tetrachloroethene and Trichloroethene, which are the main constituents found in the former chemical plant property, and have migrated through the groundwater on to the Subject Property.

Lead was detected above the TACO SRO for Class I Groundwater. Given the operations at the Central Wire facility, as well as the former chemical plant property, it appears that lead has migrated onto the Subject Property. It is our understanding that the Evergreen Academy School utilizes City water and that groundwater is not consumed. Since the consumable water at the Subject property is from City sources, it is not expected that the Subject Property would not be affected by the lead concentrations detected in the groundwater.

5.0 FINDINGS AND RECOMMENDATIONS

5.1 Findings

Based on information obtained during the Limited Phase II ESA, including the results of field observations, and the chemical analysis of the soil and groundwater samples collected and analyzed, the following findings and conclusions are made:

- A total of four (4) soil borings were advanced along the eastern and southern perimeters of the Subject Property during this Limited Phase II ESA. The boring locations are designated GP-1 through GP-4. Each of soil borings were continuously sampled to a depth of twenty-five (25) feet bgs. Each collected soil core was screened with a PID for VOC vapors. The PID screening showed no readings above background.
- MEC collected one (1) soil sample from each of the four (4) soil borings, just above the groundwater table, and submitted them to the laboratory for analyses. The four (4) soil samples submitted to the laboratory were analyzed for VOCs, SVOCs RCRA metals, and pH, the contaminants of concern.
- The laboratory analytical results from the soil samples were compared to Tier 1 SROs for Residential Properties (soil), as set forth in TACO. In summary, the laboratory results indicated that the four (4) soil samples analyzed had no VOC, SVOCs, or RCRA metal constituent concentrations exceeding the TACO Tier I SROs for Residential Properties.
- At each soil boring location, a one-inch, PVC groundwater monitoring well was constructed to approximately twenty-five (25) feet bgs. Each groundwater monitoring well was developed, purged, and sampled. The collected groundwater samples were submitted to the laboratory for VOC, SVOC, RCRA Metals and Ph analysis.
- A number of VOC constituents were detected in the groundwater samples collected from MW-1 and MW-4. The concentrations detected were below the TACO SROs for Class I Groundwater. However, specific VOC constituents to include Tetrachloroethene and Trichloroethene are the main constituents found in the former chemical plant property, and have migrated through the groundwater on to the Subject Property.
- Lead was detected above the TACO SRO for Class I Groundwater. Given the operations at the Central Wire facility, as well as the former chemical plant property, it appears that lead has migrated onto the Subject Property. It is our understanding that the Evergreen Academy School utilizes City water and that groundwater is not consumed. Since the consumable water at the Subject property is from City sources, it is not expected that the Subject Property would not be affected by the lead concentrations detected in the groundwater.

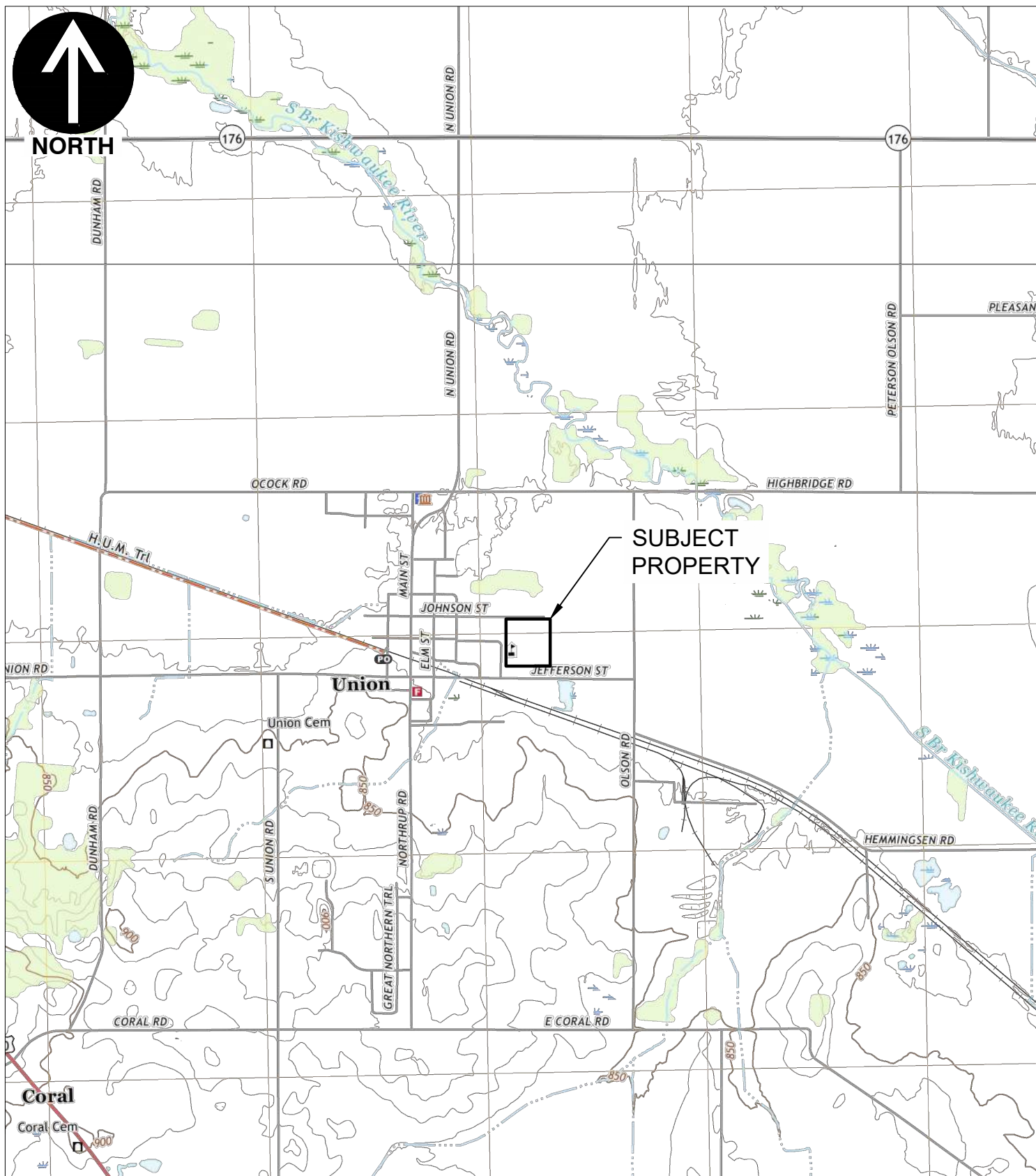
5.2 Recommendations

Based on the findings of the Phase II ESA, MEC concludes that contaminants of concern (VOCs and Lead) from the Central Wire facility and the former chemical plant have migrated, via the groundwater pathway, onto the Subject Property. MEC recommends that the four groundwater monitoring wells be sampled annually to assess contaminant concentrations migrating onto the Subject Prop

FIGURES



NORTH



REFERENCES

1. USGS 2021 MARENGO NORTH QUADRANGLE, ILLINOIS, 7.5-MINUTE
2. USGS 2021 MARENGO SOUTH QUADRANGLE, ILLINOIS, 7.5-MINUTE



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Drawn By:	Date:
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Checked By:	Date:
CAC	07/22/2022
Approved By:	Date:
GCW	07/29/2022

EVERGREEN ACADEMY
SOIL AND GROUNDWATER INVESTIGATION
6506 NATIONAL STREET
UNION, ILLINOIS 60180

Project No:
22-06-358

Scale:
1"=2000'

Figure No:
1

SITE LOCATION DIAGRAM



NORTH

RESIDENTIAL

JOHNSON STREET

WASHINGTON STREET

NATIONAL STREET

DEPOT ST.

JEFFERSON STREET

REFERENCES

1. AERIAL IMAGE PROVIDED BY GOOGLE EARTH, DATED MAY 28, 2021, ACCESSED JULY 22, 2022.

LEGEND



APPROXIMATE SUBJECT PROPERTY BOUNDARY

NOTES

1. BOUNDARIES AND SITE FEATURES SHOWN ARE APPROXIMATE.



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Number:	Date:	Rev. By:

Prepared for:

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EVERGREEN ACADEMY
 SOIL AND GROUNDWATER
 INVESTIGATION
 6506 NATIONAL STREET
 UNION, ILLINOIS, 60180

Drawn By: CAC	Date: 07/22/2022
Checked By: CAC	Date: 07/29/2022
Approved By: GCW	Date: 07/29/2022

Project No: 22-06-258

Figure No: 2 Scale: 1"=200'

**SITE LAYOUT
 DIAGRAM**



NORTH

NATIONAL STREET

JEFFERSON STREET

GP-1/MW-1

GP-2/MW-2

GP-4/MW-4

GP-3/MW-3

REFERENCES

1. AERIAL IMAGE PROVIDED BY GOOGLE EARTH, DATED MAY 28, 2021, ACCESSED JULY 22, 2022.

NOTES

1. BOUNDARIES AND SITE FEATURES SHOWN ARE APPROXIMATE.

LEGEND

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APPROXIMATE SUBJECT PROPERTY BOUNDARY

● GP-4/MW-4

APPROXIMATE SOIL BORING AND GROUNDWATER MONITORING WELL LOCATION



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Approved By: GCW Date: DRAFT

Project No: 22-06-358

Figure No: 3 Scale: 1"=100'

SOIL BORING AND GROUNDWATER MONITORING WELL LOCATION MAP

APPENDIX A
PHOTOGRAPHIC LOG

PHOTO LOG

Project: 22-06-358-GEO	Evergreen Academy – 6506 National Street, Union, Illinois 60180
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Photo No: 1

Date: 07/08/2022

Location: View looking at the drilling and sampling of soil boring GP-1 at the Subject Property.



Photo No: 2

Date: 07/08/2022

Location: View looking at the soil cores recovered from soil boring GP-1.

PHOTO LOG

Project: 22-06-358-GEO	Evergreen Academy – 6506 National Street, Union, Illinois 60180
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Photo No: 3

Date: 07/08/2022

Location: View looking at the installation of monitoring well MW-1 at soil boring GP-1 at the Subject Property.



Photo No: 4

Date: 07/08/2022

Location: View looking at the drilling and sampling of soil boring soil boring GP-2.

PHOTO LOG

Project: 22-06-358-GEO	Evergreen Academy – 6506 National Street, Union, Illinois 60180
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Photo No: 5

Date: 07/08/2022

Location: View looking at the installation of monitoring well MW-2 at soil boring GP-3 at the Subject Property.



Photo No: 6

Date: 07/08/2022

Location: View of the drilling and sampling of soil boring GP-3.

PHOTO LOG

Project: 22-06-358-GEO	Evergreen Academy – 6506 National Street, Union, Illinois 60180
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Photo No: 7

Date: 07/08/2022

Location: View of the installation of monitoring well MW-3 within soil boring GP- 3 at the Subject Property.



Photo No: 8

Date: 07/08/2022

Location: View of the drilling and sampling of soil boring GP-5 at the Subject Property.

PHOTO LOG

Project: 22-06-358-GEO	Evergreen Academy – 6506 National Street, Union, Illinois 60180
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Photo No: 9

Date: 07/08/2022

Location: View of the recovered soil cores from soil boring GP-4 at the Subject Property.



Photo No: 10

Date: 07/08/2022

Location: View looking at the installation of monitoring well MW-4 at soil boring GP-4 location.

PHOTO LOG

Project: 22-06-358-GEO	Evergreen Academy – 6506 National Street, Union, Illinois 60180
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Photo No: 11

Date: 07/08/2022

Location: View looking at the groundwater sampling at monitoring well MW-2 at the Subject Property.



Photo No: 12

Date: 07/08/2022

Location: View looking at the completed monitoring well at the Subject Property..

APPENDIX B
SOIL BORING LOGS

Client: Marengo-Union Elementary School District #165

Project Name: Soil and Groundwater Investigation

Project Number: 22-06-358-GEO

Project Location: Evergreen Academy, Union, IL

Date Started: 7/8/2022 Completed: 7/8/2022

Ground Elevation: -- Backfill: MW-1

Drilling Contractor: Johnson Probing

Ground Water Levels:

Drilling Method: 7720DT Geoprobe w/ 5-ft sampler

While Drilling 8 feet

Logged By: GCW Checked By: CAC

At End of Drilling -- feet

Notes:

After Drilling -- feet

Depth (feet)	Graphic Log	Material Description	Sample Type	Sample Number	Recovery (ft) (% Recovery)	PID (ppm)	Lab Sample ID	Well Construction
		Grass and Topsoil						
		FINE TO MEDIUM SAND; Little fine gravel; brown; medium dense; moist		1	70%	0		
5		Collect soil sample at 4.5 feet						
		FINE TO COARSE SAND: Little fine gravel; brown; medium dense; moist to wet.		2	85%	0		
10		MEDIUM TO COARSE SAND: Little fine gravel; gray; medium dense; wet.		3	90%	0		
15		MEDIUM TO COARSE SAND: Little fine gravel; gray; medium dense; wet.		4	90%			
20								

Client: Marengo-Union Elementary School District #165

Project Name: Soil and Groundwater Investigation

Project Number: 22-06-358-GEO

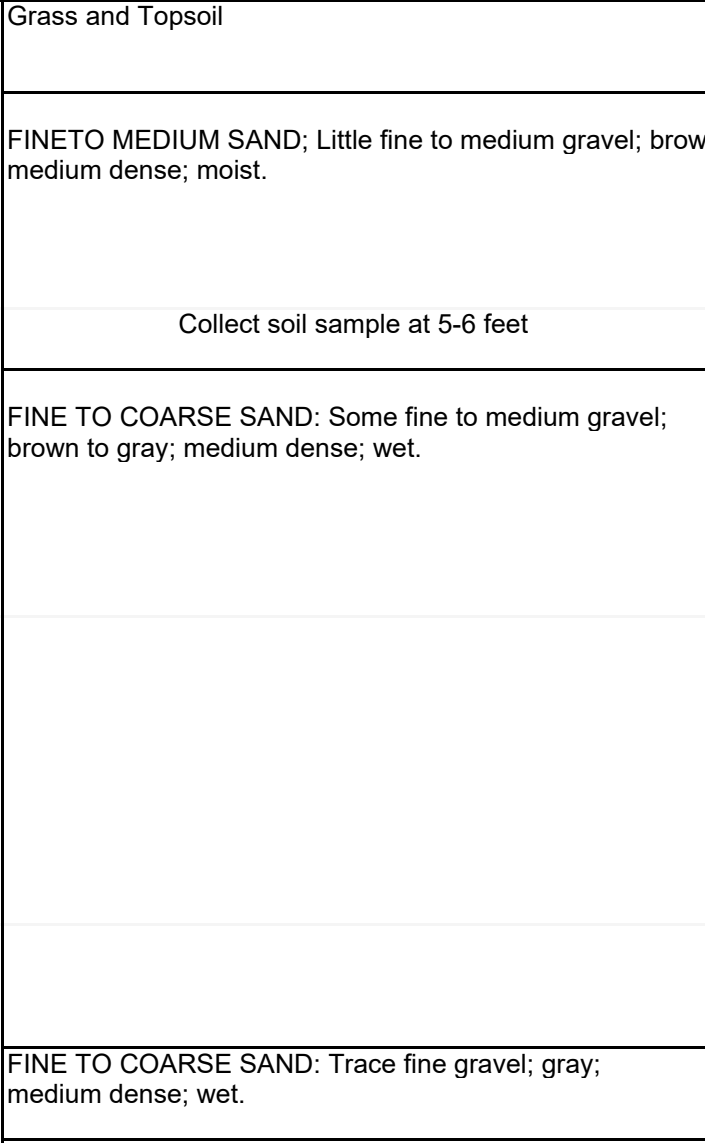
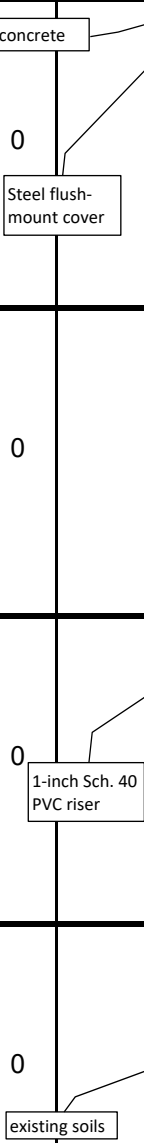
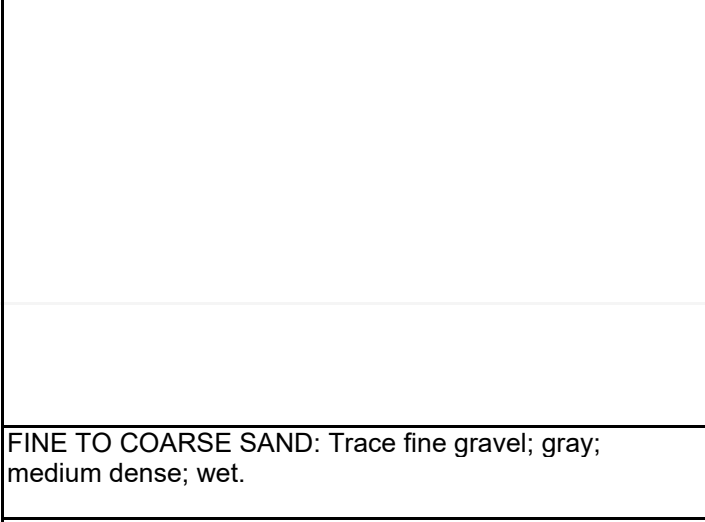
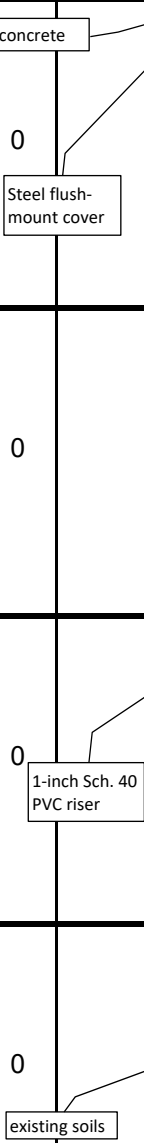
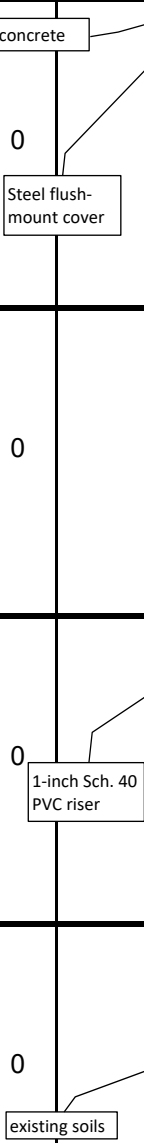
Project Location: Evergreen Academy, Union, IL

Depth (feet)	Graphic Log	Material Description	Sample Type	Sample Number	Recovery (ft) (% Recovery)	PID (ppm)	Lab Sample ID	Well Construction
25		MEDIUM TO COARSE SAND: Little fine gravel; gray; medium dense; wet. Limestone chips with medium to coarse sand and Fine gravel; gray; medium dense; wet.		5	80%	0		existing soils 1-inch Sch. 40 PVC slotted screen 1-inch PVC Cap Bottom of MW-1: 24.3'
30		End of boring at 25-feet below grade.						
35								
40								



Page 1 of 2

▽ After Drilling -- feet

Depth (feet)	Graphic Log	Material Description	Sample Type	Sample Number	Recovery (ft) (% Recovery)	PID (ppm)	Lab Sample ID	Well Construction
5		Grass and Topsoil		1	70%	0		
		FINETO MEDIUM SAND; Little fine to medium gravel; brown medium dense; moist.						
		Collect soil sample at 5-6 feet		2	85%	0		
		FINE TO COARSE SAND: Some fine to medium gravel; brown to gray; medium dense; wet.						
15		FINE TO COARSE SAND: Some fine to medium gravel; brown to gray; medium dense; wet.		3	90%	0		
				4	90%	0		
		FINE TO COARSE SAND: Trace fine gravel; gray; medium dense; wet.						
20		FINE TO COARSE SAND: Trace fine gravel; gray; medium dense; wet.		4	90%	0		

Client: Marengo-Union Elementary School District #165

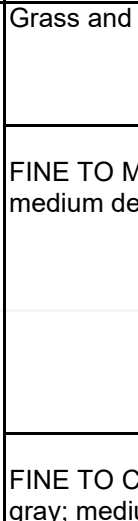
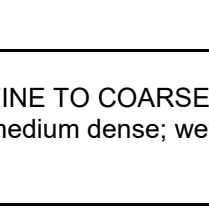
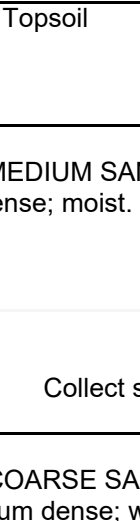
Project Name: Soil and Groundwater Investigation

Project Number: 22-06-358-GEO

Project Location: Evergreen Academy, Union, IL

Depth (feet)	Graphic Log	Material Description	Sample Type	Sample Number	Recovery (ft) (% Recovery)	PID (ppm)	Lab Sample ID	Well Construction
25		FINE TO COARSE SAND: Little fine gravel; gray; medium dense; wet. Limestone fragments at 24 feet		5	60%	0		existing soils 1-inch Sch. 40 PVC slotted screen 1-inch PVC Cap Bottom of MW-1: 24.2'
30		End of boring at 25-feet below grade.						
35								
40								



Depth (feet)	Graphic Log	Material Description	Sample Type	Sample Number	Recovery (ft) (% Recovery)	PID (ppm)	Lab Sample ID	Well Construction
5		Grass and Topsoil		1	70%	0		
		FINE TO MEDIUM SAND: Trace fine gravel; brown; medium dense; moist.						
		Collect soil sample at 6-7 feet		2	75%	0		
		FINE TO COARSE SAND: Little fine to medium gravel; gray; medium dense; wet.						
15				3	90%	0		
				4	90%	0		
20								

Client: Marengo-Union Elementary School District #165

Project Name: Soil and Groundwater Investigation

Project Number: 22-06-358-GEO

Project Location: Evergreen Academy, Union, IL

Depth (feet)	Graphic Log	Material Description	Sample Type	Sample Number	Recovery (ft) (% Recovery)	PID (ppm)	Lab Sample ID	Well Construction
25		FINE TO COARSE SAND: Little fine gravel; gray; medium dense; wet.		5	65%	0		existing soils 1-inch Sch. 40 PVC slotted screen 1-inch PVC Cap Bottom of MW-1: 24.6'
30		End of boring at 25-feet below grade.						
35								
40								

Client: Marengo-Union Elementary School District #165

Project Name: Soil and Groundwater Investigation

Project Number: 22-06-358-GEO

Project Location: Evergreen Academy, Union, IL

Depth (feet)	Graphic Log	Material Description	Sample Type	Sample Number	Recovery (ft) (% Recovery)	PID (ppm)	Lab Sample ID	Well Construction
25		FINE TO COARSE SAND: Little fine gravel; gray; medium dense; wet.		5	75%	0		existing soils 1-inch Sch. 40 PVC slotted screen 1-inch PVC Cap Bottom of MW-1: 24.5'
30		End of boring at 25-feet below grade.						
35								
40								

APPENDIX C
LABORATORY REPORT

SUBURBAN LABORATORIES, Inc.



1950 S. Batavia Ave., Suite 150 Geneva, Illinois 60134
Tel. (708) 544-3260 • Toll Free (800) 783-LABS
Fax (708) 544-8587
www.suburbanlabs.com

July 18, 2022

Greg Weeks
Midwest Environmental Consulting Serv.
2551 North Bridge Street
Yorkville, IL 60560

Workorder: 2207489

TEL: (708) 932-3975

FAX:

RE: 6506 National Street Union IL

Dear Greg Weeks:

Suburban Laboratories, Inc. received 8 sample(s) on 7/8/2022 for the analyses presented in the following report.

All data for the associated quality control (QC) met EPA, method, or internal laboratory specifications except where noted in the case narrative. If you are comparing these results to external QC specifications or compliance limits and have any questions, please contact us.

This final report of laboratory analysis consists of this cover letter, case narrative, analytical report, dates report, and any accompanying documentation including, but not limited to, chain of custody records, raw data, and letters of explanation or reliance. This report may not be reproduced, except in full, without the prior written approval of Suburban Laboratories, Inc.

If you have any questions regarding these test results, please call me at (708) 544-3260.

Sincerely,

Dan Galeher
Vice President of Sales and Service
708-544-3260 ext 216
dan@SuburbanLabs.com





Client: Midwest Environmental Consulting Serv.

Date: July 18, 2022

Project: 6506 National Street Union IL

PO #:

WorkOrder: 2207489

QC Level:

Temperature of samples upon receipt at SLI: C

Chain of Custody #:

General Comments:

- All results reported in wet weight unless otherwise indicated. (dry = Dry Weight)
- Sample results relate only to the analytes of interest tested and to sample as received by the laboratory.
- Environmental compliance sample results meet the requirements of 35 IAC Part 186 unless otherwise indicated.
- Waste water analysis follows the rules set forth in 40 CFR part 136 except where otherwise noted.
- Accreditation by the State of Illinois is not an endorsement or a guarantee of the validity of data generated.
- For more information about the laboratories' scope of accreditation, please contact us at (708) 544-3260 or the Agency at (217) 782-6455.
- All radiological results are reported to the 95% confidence level.

Abbreviations:

- Reporting Limit: The concentration at which an analyte can be routinely detected on a day to day basis, and which also meets regulatory and client needs.
- Quantitation Limit: The lowest concentration at which results can be accurately quantitated.
- J: The analyte was positively identified above our Method Detection Limit and is considered detectable and usable; however, the associated numerical value is the approximate concentration of the analyte in the sample.
- ATC: Automatic Temperature Correction. - TNTC: Too Numerous To Count
- TIC: Tentatively Identified Compound (GCMS library search identification, concentration estimated to nearest internal standard).
- SS (Surrogate Standard): Quality control compound added to the sample by the lab.

Method References:

For a complete list of method references please contact us.

- E: USEPA Reference methods
- SW: USEPA, Test Methods for Evaluating Solid Waste (SW-846)
- M: Standard Methods for the Examination of Water and Wastewater
- USP: Latest version of United States Pharmacopeia

Workorder Specific Comments:

8270:

Sample 2207489-005B through -008B: S=The LCS percent recoveries for the following analytes were outside laboratory control limits (50% - 150%):

2,4-Dinitrophenol; 40.50%

Dimethyl phthalate; 21.26%

Hexachlorocyclopentadiene; 48.48%



Suburban Laboratories, Inc.

1950 S. Batavia Ave., Suite 150, Geneva, IL 60134 (708) 544-3260

Laboratory Results

Client ID: Midwest Environmental Consulting Serv.

Report Date: July 18, 2022

Project Name: 6506 National Street Union IL

Workorder: 2207489

Client Sample ID: GP-1 @ 4-5 Feet

Matrix: SOIL

Lab ID: 2207489-001

Date Received: 07/08/2022 1:29 PM

Collection Date: 07/08/2022 7:30 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
METALS BY ICP		Method: EPA-6010B-Rev 2, Dec-96				Analyst: SCT	
Arsenic	ND	1.13		mg/Kg-dry	1	07/14/2022 2:12 PM	83487
Barium	6.43	0.123		mg/Kg-dry	1	07/14/2022 2:12 PM	83487
Cadmium	0.483	0.0735		mg/Kg-dry	1	07/14/2022 2:12 PM	83487
Chromium	3.98	0.0588		mg/Kg-dry	1	07/14/2022 2:12 PM	83487
Lead	1.29	0.588		mg/Kg-dry	1	07/14/2022 2:12 PM	83487
Selenium	ND	1.27		mg/Kg-dry	1	07/14/2022 2:12 PM	83487
Silver	ND	0.0588		mg/Kg-dry	1	07/14/2022 2:12 PM	83487
VOLATILE ORGANIC COMPOUNDS		Method: EPA-8260B-Rev 2, Dec-96				Analyst: RY	
Total 1,3-Dichloropropene	ND	0.0413		mg/Kg-dry	39.13	07/08/2022 7:09 PM	R151052
1,1,1-Trichloroethane	ND	0.0413		mg/Kg-dry	39.13	07/08/2022 7:09 PM	R151052
1,1,2,2-Tetrachloroethane	ND	0.0413		mg/Kg-dry	39.13	07/08/2022 7:09 PM	R151052
1,1,2-Trichloroethane	ND	0.0413		mg/Kg-dry	39.13	07/08/2022 7:09 PM	R151052
1,1-Dichloroethane	ND	0.0413		mg/Kg-dry	39.13	07/08/2022 7:09 PM	R151052
1,1-Dichloroethene	ND	0.0413		mg/Kg-dry	39.13	07/08/2022 7:09 PM	R151052
1,2-Dichloroethane	ND	0.0413		mg/Kg-dry	39.13	07/08/2022 7:09 PM	R151052
1,2-Dichloropropane	ND	0.0413		mg/Kg-dry	39.13	07/08/2022 7:09 PM	R151052
2-Butanone	ND	0.413		mg/Kg-dry	39.13	07/08/2022 7:09 PM	R151052
2-Hexanone	ND	1.03		mg/Kg-dry	39.13	07/08/2022 7:09 PM	R151052
4-Methyl-2-pentanone	ND	1.03		mg/Kg-dry	39.13	07/08/2022 7:09 PM	R151052
Acetone	ND	1.03		mg/Kg-dry	39.13	07/08/2022 7:09 PM	R151052
Benzene	ND	0.0103		mg/Kg-dry	39.13	07/08/2022 7:09 PM	R151052
Bromodichloromethane	ND	0.0413		mg/Kg-dry	39.13	07/08/2022 7:09 PM	R151052
Bromoform	ND	0.0413		mg/Kg-dry	39.13	07/08/2022 7:09 PM	R151052
Bromomethane	ND	0.0413		mg/Kg-dry	39.13	07/08/2022 7:09 PM	R151052
Carbon disulfide	ND	0.0413		mg/Kg-dry	39.13	07/08/2022 7:09 PM	R151052
Carbon tetrachloride	ND	0.0413		mg/Kg-dry	39.13	07/08/2022 7:09 PM	R151052
Chlorobenzene	ND	0.0413		mg/Kg-dry	39.13	07/08/2022 7:09 PM	R151052
Chloroethane	ND	0.0413		mg/Kg-dry	39.13	07/08/2022 7:09 PM	R151052
Chloroform	ND	0.0413		mg/Kg-dry	39.13	07/08/2022 7:09 PM	R151052
Chloromethane	ND	0.0413		mg/Kg-dry	39.13	07/08/2022 7:09 PM	R151052
cis-1,2-Dichloroethene	ND	0.0413		mg/Kg-dry	39.13	07/08/2022 7:09 PM	R151052
cis-1,3-Dichloropropene	ND	0.0413		mg/Kg-dry	39.13	07/08/2022 7:09 PM	R151052
Dibromochloromethane	ND	0.0413		mg/Kg-dry	39.13	07/08/2022 7:09 PM	R151052
Ethylbenzene	ND	0.0413		mg/Kg-dry	39.13	07/08/2022 7:09 PM	R151052
m,p-Xylene	ND	0.0827		mg/Kg-dry	39.13	07/08/2022 7:09 PM	R151052
Methyl tert-butyl ether	ND	0.0413		mg/Kg-dry	39.13	07/08/2022 7:09 PM	R151052



Suburban Laboratories, Inc.

1950 S. Batavia Ave., Suite 150, Geneva, IL 60134 (708) 544-3260

Laboratory Results

Client ID: Midwest Environmental Consulting Serv.

Report Date: July 18, 2022

Project Name: 6506 National Street Union IL

Workorder: 2207489

Client Sample ID: GP-1 @ 4-5 Feet

Matrix: SOIL

Lab ID: 2207489-001

Date Received: 07/08/2022 1:29 PM

Collection Date: 07/08/2022 7:30 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
VOLATILE ORGANIC COMPOUNDS		Method: EPA-8260B-Rev 2, Dec-96			Analyst: RY		
Methylene chloride	ND	0.207		mg/Kg-dry	39.13	07/08/2022 7:09 PM	R151052
o-Xylene	ND	0.0413		mg/Kg-dry	39.13	07/08/2022 7:09 PM	R151052
Total Xylenes	ND	0.0827		mg/Kg-dry	39.13	07/08/2022 7:09 PM	R151052
Styrene	ND	0.0413		mg/Kg-dry	39.13	07/08/2022 7:09 PM	R151052
Tetrachloroethene	ND	0.0827		mg/Kg-dry	39.13	07/08/2022 7:09 PM	R151052
Toluene	ND	0.0413		mg/Kg-dry	39.13	07/08/2022 7:09 PM	R151052
trans-1,2-Dichloroethene	ND	0.0413		mg/Kg-dry	39.13	07/08/2022 7:09 PM	R151052
trans-1,3-Dichloropropene	ND	0.0413		mg/Kg-dry	39.13	07/08/2022 7:09 PM	R151052
Trichloroethene	ND	0.0413		mg/Kg-dry	39.13	07/08/2022 7:09 PM	R151052
Vinyl chloride	ND	0.0413		mg/Kg-dry	39.13	07/08/2022 7:09 PM	R151052
<u>Internal Quality Control Compounds</u>							
SS: 4-Bromofluorobenzene	102	80-130		%Rec	39.13	07/08/2022 7:09 PM	R151052
SS: Dibromofluoromethane	99.5	76.1-120		%Rec	39.13	07/08/2022 7:09 PM	R151052
SS: Toluene-d8	104	85-115		%Rec	39.13	07/08/2022 7:09 PM	R151052
SEMIVOLATILE ORGANICS (BNAS)		Method: EPA-8270C-Rev 3, Dec-96			Analyst: BM		
1,2,4-Trichlorobenzene	ND	0.262		mg/Kg-dry	1	07/13/2022 2:07 PM	83490
1,2-Dichlorobenzene	ND	0.262		mg/Kg-dry	1	07/13/2022 2:07 PM	83490
1,3-Dichlorobenzene	ND	0.262		mg/Kg-dry	1	07/13/2022 2:07 PM	83490
1,4-Dichlorobenzene	ND	0.262		mg/Kg-dry	1	07/13/2022 2:07 PM	83490
2,4,5-Trichlorophenol	ND	0.262		mg/Kg-dry	1	07/13/2022 2:07 PM	83490
2,4,6-Trichlorophenol	ND	0.262		mg/Kg-dry	1	07/13/2022 2:07 PM	83490
2,4-Dichlorophenol	ND	0.262		mg/Kg-dry	1	07/13/2022 2:07 PM	83490
2,4-Dimethylphenol	ND	0.262		mg/Kg-dry	1	07/13/2022 2:07 PM	83490
2,4-Dinitrophenol	ND	0.262		mg/Kg-dry	1	07/13/2022 2:07 PM	83490
2,4-Dinitrotoluene	ND	0.262		mg/Kg-dry	1	07/13/2022 2:07 PM	83490
2,6-Dinitrotoluene	ND	0.262		mg/Kg-dry	1	07/13/2022 2:07 PM	83490
2-Chloronaphthalene	ND	0.262		mg/Kg-dry	1	07/13/2022 2:07 PM	83490
2-Chlorophenol	ND	0.262		mg/Kg-dry	1	07/13/2022 2:07 PM	83490
2-Methylnaphthalene	ND	0.262		mg/Kg-dry	1	07/13/2022 2:07 PM	83490
2-Nitroaniline	ND	0.262		mg/Kg-dry	1	07/13/2022 2:07 PM	83490
2-Nitrophenol	ND	0.262		mg/Kg-dry	1	07/13/2022 2:07 PM	83490
3,3-Dichlorobenzidine	ND	0.262		mg/Kg-dry	1	07/13/2022 2:07 PM	83490
3-Nitroaniline	ND	0.262		mg/Kg-dry	1	07/13/2022 2:07 PM	83490
4,6-Dinitro-2-methylphenol	ND	0.262		mg/Kg-dry	1	07/13/2022 2:07 PM	83490
4-Bromophenyl phenyl ether	ND	0.262		mg/Kg-dry	1	07/13/2022 2:07 PM	83490
4-Chloro-3-methylphenol	ND	0.262		mg/Kg-dry	1	07/13/2022 2:07 PM	83490
4-Chloroaniline	ND	0.262		mg/Kg-dry	1	07/13/2022 2:07 PM	83490



Suburban Laboratories, Inc.

1950 S. Batavia Ave., Suite 150, Geneva, IL 60134 (708) 544-3260

Laboratory Results

Client ID: Midwest Environmental Consulting Serv.

Report Date: July 18, 2022

Project Name: 6506 National Street Union IL

Workorder: 2207489

Client Sample ID: GP-1 @ 4-5 Feet

Matrix: SOIL

Lab ID: 2207489-001

Date Received: 07/08/2022 1:29 PM

Collection Date: 07/08/2022 7:30 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
SEMIVOLATILE ORGANICS (BNAS)		Method: EPA-8270C-Rev 3, Dec-96				Analyst: BM	
4-Chlorophenyl phenyl ether	ND	0.262		mg/Kg-dry	1	07/13/2022 2:07 PM	83490
4-Nitroaniline	ND	0.262		mg/Kg-dry	1	07/13/2022 2:07 PM	83490
4-Nitrophenol	ND	0.262		mg/Kg-dry	1	07/13/2022 2:07 PM	83490
Acenaphthene	ND	0.0524		mg/Kg-dry	1	07/13/2022 2:07 PM	83490
Acenaphthylene	ND	0.0524		mg/Kg-dry	1	07/13/2022 2:07 PM	83490
Anthracene	ND	0.0524		mg/Kg-dry	1	07/13/2022 2:07 PM	83490
Benzo(a)anthracene	ND	0.0524		mg/Kg-dry	1	07/13/2022 2:07 PM	83490
Benzo(a)pyrene	ND	0.0524		mg/Kg-dry	1	07/13/2022 2:07 PM	83490
Benzo(b)fluoranthene	ND	0.0524		mg/Kg-dry	1	07/13/2022 2:07 PM	83490
Benzo(g,h,i)perylene	ND	0.0524		mg/Kg-dry	1	07/13/2022 2:07 PM	83490
Benzo(k)fluoranthene	ND	0.0524		mg/Kg-dry	1	07/13/2022 2:07 PM	83490
Bis(2-chloroethoxy)methane	ND	0.262		mg/Kg-dry	1	07/13/2022 2:07 PM	83490
Bis(2-chloroethyl)ether	ND	0.262		mg/Kg-dry	1	07/13/2022 2:07 PM	83490
Bis(2-chloroisopropyl)ether	ND	0.262		mg/Kg-dry	1	07/13/2022 2:07 PM	83490
Bis(2-ethylhexyl)phthalate	ND	0.262		mg/Kg-dry	1	07/13/2022 2:07 PM	83490
Butyl benzyl phthalate	ND	0.262		mg/Kg-dry	1	07/13/2022 2:07 PM	83490
Carbazole	ND	0.262		mg/Kg-dry	1	07/13/2022 2:07 PM	83490
Chrysene	ND	0.0524		mg/Kg-dry	1	07/13/2022 2:07 PM	83490
Dibenzo(a,h)anthracene	ND	0.0524		mg/Kg-dry	1	07/13/2022 2:07 PM	83490
Dibenzofuran	ND	0.262		mg/Kg-dry	1	07/13/2022 2:07 PM	83490
Diethyl phthalate	ND	0.262		mg/Kg-dry	1	07/13/2022 2:07 PM	83490
Dimethyl phthalate	ND	0.262		mg/Kg-dry	1	07/13/2022 2:07 PM	83490
Di-n-butyl phthalate	ND	0.262		mg/Kg-dry	1	07/13/2022 2:07 PM	83490
Di-n-octyl phthalate	ND	0.262		mg/Kg-dry	1	07/13/2022 2:07 PM	83490
Fluoranthene	ND	0.0524		mg/Kg-dry	1	07/13/2022 2:07 PM	83490
Fluorene	ND	0.0524		mg/Kg-dry	1	07/13/2022 2:07 PM	83490
Hexachlorobenzene	ND	0.262		mg/Kg-dry	1	07/13/2022 2:07 PM	83490
Hexachlorobutadiene	ND	0.262		mg/Kg-dry	1	07/13/2022 2:07 PM	83490
Hexachlorocyclopentadiene	ND	0.262		mg/Kg-dry	1	07/13/2022 2:07 PM	83490
Hexachloroethane	ND	0.262		mg/Kg-dry	1	07/13/2022 2:07 PM	83490
Indeno(1,2,3-cd)pyrene	ND	0.0524		mg/Kg-dry	1	07/13/2022 2:07 PM	83490
Isophorone	ND	0.262		mg/Kg-dry	1	07/13/2022 2:07 PM	83490
m,p-Cresol	ND	0.262		mg/Kg-dry	1	07/13/2022 2:07 PM	83490
Naphthalene	ND	0.0524		mg/Kg-dry	1	07/13/2022 2:07 PM	83490
Nitrobenzene	ND	0.262		mg/Kg-dry	1	07/13/2022 2:07 PM	83490
N-Nitroso-di-n-propylamine	ND	0.262		mg/Kg-dry	1	07/13/2022 2:07 PM	83490
N-Nitrosodiphenylamine	ND	0.262		mg/Kg-dry	1	07/13/2022 2:07 PM	83490
o-Cresol	ND	0.262		mg/Kg-dry	1	07/13/2022 2:07 PM	83490
Pentachlorophenol	ND	0.262		mg/Kg-dry	1	07/13/2022 2:07 PM	83490



Suburban Laboratories, Inc.

1950 S. Batavia Ave., Suite 150, Geneva, IL 60134 (708) 544-3260

Laboratory Results

Client ID: Midwest Environmental Consulting Serv.

Report Date: July 18, 2022

Project Name: 6506 National Street Union IL

Workorder: 2207489

Client Sample ID: GP-1 @ 4-5 Feet

Matrix: SOIL

Lab ID: 2207489-001

Date Received: 07/08/2022 1:29 PM

Collection Date: 07/08/2022 7:30 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
SEMIVOLATILE ORGANICS (BNAS)		Method: EPA-8270C-Rev 3, Dec-96			Analyst: BM		
Phenanthrene	ND	0.0524		mg/Kg-dry	1	07/13/2022 2:07 PM	83490
Phenol	ND	0.262		mg/Kg-dry	1	07/13/2022 2:07 PM	83490
Pyrene	ND	0.0524		mg/Kg-dry	1	07/13/2022 2:07 PM	83490
<u>Internal Quality Control Compounds</u>							
SS: 2,4,6-Tribromophenol	72.7	45-152		%Rec	1	07/13/2022 2:07 PM	83490
SS: 2-Fluorobiphenyl	73.2	58-141		%Rec	1	07/13/2022 2:07 PM	83490
SS: 2-Fluorophenol	80.4	45-164		%Rec	1	07/13/2022 2:07 PM	83490
SS: 4-Terphenyl-d14	64.0	10-243		%Rec	1	07/13/2022 2:07 PM	83490
SS: Nitrobenzene-d5	73.4	45-150		%Rec	1	07/13/2022 2:07 PM	83490
SS: Phenol-d6	78.4	57-141		%Rec	1	07/13/2022 2:07 PM	83490
MERCURY BY CVAA		Method: EPA-7471B-Rev 2, Feb-07			Analyst: MTS		
Mercury	ND	0.0370		mg/Kg-dry	1	07/13/2022 11:49 AM	83491
PH (IN LABORATORY) <ATC>		Method: EPA-9045C-Rev 3, Jan-95			Analyst: CSS		
pH	8.14	1.00	V	pH Units	1	07/13/2022 4:58 PM	R151143
Temperature	21.8	0	V	°C	1	07/13/2022 4:58 PM	R151143
PERCENT MOISTURE		Method: ASTM-D2216-Rev 2005			Analyst: NH		
Percent Moisture	5.3	1.0	c	wt%	1	07/12/2022 10:29 AM	R151039



Suburban Laboratories, Inc.

1950 S. Batavia Ave., Suite 150, Geneva, IL 60134 (708) 544-3260

Laboratory Results

Client ID: Midwest Environmental Consulting Serv.

Report Date: July 18, 2022

Project Name: 6506 National Street Union IL

Workorder: 2207489

Client Sample ID: GP-2 @ 5-6 Feet

Matrix: SOIL

Lab ID: 2207489-002

Date Received: 07/08/2022 1:29 PM

Collection Date: 07/08/2022 8:30 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
METALS BY ICP		Method: EPA-6010B-Rev 2, Dec-96				Analyst: SCT	
Arsenic	1.11	1.11	J	mg/Kg-dry	1	07/14/2022 2:17 PM	83487
Barium	7.25	0.120		mg/Kg-dry	1	07/14/2022 2:17 PM	83487
Cadmium	0.515	0.0721		mg/Kg-dry	1	07/14/2022 2:17 PM	83487
Chromium	4.25	0.0577		mg/Kg-dry	1	07/14/2022 2:17 PM	83487
Lead	1.95	0.577		mg/Kg-dry	1	07/14/2022 2:17 PM	83487
Selenium	ND	1.25		mg/Kg-dry	1	07/14/2022 2:17 PM	83487
Silver	ND	0.0577		mg/Kg-dry	1	07/14/2022 2:17 PM	83487
VOLATILE ORGANIC COMPOUNDS		Method: EPA-8260B-Rev 2, Dec-96				Analyst: RY	
Total 1,3-Dichloropropene	ND	0.0530		mg/Kg-dry	47.76	07/08/2022 7:35 PM	R151052
1,1,1-Trichloroethane	ND	0.0530		mg/Kg-dry	47.76	07/08/2022 7:35 PM	R151052
1,1,2,2-Tetrachloroethane	ND	0.0530		mg/Kg-dry	47.76	07/08/2022 7:35 PM	R151052
1,1,2-Trichloroethane	ND	0.0530		mg/Kg-dry	47.76	07/08/2022 7:35 PM	R151052
1,1-Dichloroethane	ND	0.0530		mg/Kg-dry	47.76	07/08/2022 7:35 PM	R151052
1,1-Dichloroethene	ND	0.0530		mg/Kg-dry	47.76	07/08/2022 7:35 PM	R151052
1,2-Dichloroethane	ND	0.0530		mg/Kg-dry	47.76	07/08/2022 7:35 PM	R151052
1,2-Dichloropropane	ND	0.0530		mg/Kg-dry	47.76	07/08/2022 7:35 PM	R151052
2-Butanone	ND	0.530		mg/Kg-dry	47.76	07/08/2022 7:35 PM	R151052
2-Hexanone	ND	1.32		mg/Kg-dry	47.76	07/08/2022 7:35 PM	R151052
4-Methyl-2-pentanone	ND	1.32		mg/Kg-dry	47.76	07/08/2022 7:35 PM	R151052
Acetone	ND	1.32		mg/Kg-dry	47.76	07/08/2022 7:35 PM	R151052
Benzene	ND	0.0132		mg/Kg-dry	47.76	07/08/2022 7:35 PM	R151052
Bromodichloromethane	ND	0.0530		mg/Kg-dry	47.76	07/08/2022 7:35 PM	R151052
Bromoform	ND	0.0530		mg/Kg-dry	47.76	07/08/2022 7:35 PM	R151052
Bromomethane	ND	0.0530		mg/Kg-dry	47.76	07/08/2022 7:35 PM	R151052
Carbon disulfide	ND	0.0530		mg/Kg-dry	47.76	07/08/2022 7:35 PM	R151052
Carbon tetrachloride	ND	0.0530		mg/Kg-dry	47.76	07/08/2022 7:35 PM	R151052
Chlorobenzene	ND	0.0530		mg/Kg-dry	47.76	07/08/2022 7:35 PM	R151052
Chloroethane	ND	0.0530		mg/Kg-dry	47.76	07/08/2022 7:35 PM	R151052
Chloroform	ND	0.0530		mg/Kg-dry	47.76	07/08/2022 7:35 PM	R151052
Chloromethane	ND	0.0530		mg/Kg-dry	47.76	07/08/2022 7:35 PM	R151052
cis-1,2-Dichloroethene	ND	0.0530		mg/Kg-dry	47.76	07/08/2022 7:35 PM	R151052
cis-1,3-Dichloropropene	ND	0.0530		mg/Kg-dry	47.76	07/08/2022 7:35 PM	R151052
Dibromochloromethane	ND	0.0530		mg/Kg-dry	47.76	07/08/2022 7:35 PM	R151052
Ethylbenzene	ND	0.0530		mg/Kg-dry	47.76	07/08/2022 7:35 PM	R151052
m,p-Xylene	ND	0.106		mg/Kg-dry	47.76	07/08/2022 7:35 PM	R151052
Methyl tert-butyl ether	ND	0.0530		mg/Kg-dry	47.76	07/08/2022 7:35 PM	R151052



Suburban Laboratories, Inc.

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Laboratory Results

Client ID: Midwest Environmental Consulting Serv.

Report Date: July 18, 2022

Project Name: 6506 National Street Union IL

Workorder: 2207489

Client Sample ID: GP-2 @ 5-6 Feet

Matrix: SOIL

Lab ID: 2207489-002

Date Received: 07/08/2022 1:29 PM

Collection Date: 07/08/2022 8:30 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
VOLATILE ORGANIC COMPOUNDS		Method: EPA-8260B-Rev 2, Dec-96			Analyst: RY		
Methylene chloride	ND	0.265		mg/Kg-dry	47.76	07/08/2022 7:35 PM	R151052
o-Xylene	ND	0.0530		mg/Kg-dry	47.76	07/08/2022 7:35 PM	R151052
Total Xylenes	ND	0.106		mg/Kg-dry	47.76	07/08/2022 7:35 PM	R151052
Styrene	ND	0.0530		mg/Kg-dry	47.76	07/08/2022 7:35 PM	R151052
Tetrachloroethene	ND	0.106		mg/Kg-dry	47.76	07/08/2022 7:35 PM	R151052
Toluene	ND	0.0530		mg/Kg-dry	47.76	07/08/2022 7:35 PM	R151052
trans-1,2-Dichloroethene	ND	0.0530		mg/Kg-dry	47.76	07/08/2022 7:35 PM	R151052
trans-1,3-Dichloropropene	ND	0.0530		mg/Kg-dry	47.76	07/08/2022 7:35 PM	R151052
Trichloroethene	ND	0.0530		mg/Kg-dry	47.76	07/08/2022 7:35 PM	R151052
Vinyl chloride	ND	0.0530		mg/Kg-dry	47.76	07/08/2022 7:35 PM	R151052
<u>Internal Quality Control Compounds</u>							
SS: 4-Bromofluorobenzene	102	80-130		%Rec	47.76	07/08/2022 7:35 PM	R151052
SS: Dibromofluoromethane	102	76.1-120		%Rec	47.76	07/08/2022 7:35 PM	R151052
SS: Toluene-d8	104	85-115		%Rec	47.76	07/08/2022 7:35 PM	R151052
SEMIVOLATILE ORGANICS (BNAS)		Method: EPA-8270C-Rev 3, Dec-96			Analyst: BM		
1,2,4-Trichlorobenzene	ND	0.277		mg/Kg-dry	1	07/13/2022 2:39 PM	83490
1,2-Dichlorobenzene	ND	0.277		mg/Kg-dry	1	07/13/2022 2:39 PM	83490
1,3-Dichlorobenzene	ND	0.277		mg/Kg-dry	1	07/13/2022 2:39 PM	83490
1,4-Dichlorobenzene	ND	0.277		mg/Kg-dry	1	07/13/2022 2:39 PM	83490
2,4,5-Trichlorophenol	ND	0.277		mg/Kg-dry	1	07/13/2022 2:39 PM	83490
2,4,6-Trichlorophenol	ND	0.277		mg/Kg-dry	1	07/13/2022 2:39 PM	83490
2,4-Dichlorophenol	ND	0.277		mg/Kg-dry	1	07/13/2022 2:39 PM	83490
2,4-Dimethylphenol	ND	0.277		mg/Kg-dry	1	07/13/2022 2:39 PM	83490
2,4-Dinitrophenol	ND	0.277		mg/Kg-dry	1	07/13/2022 2:39 PM	83490
2,4-Dinitrotoluene	ND	0.277		mg/Kg-dry	1	07/13/2022 2:39 PM	83490
2,6-Dinitrotoluene	ND	0.277		mg/Kg-dry	1	07/13/2022 2:39 PM	83490
2-Chloronaphthalene	ND	0.277		mg/Kg-dry	1	07/13/2022 2:39 PM	83490
2-Chlorophenol	ND	0.277		mg/Kg-dry	1	07/13/2022 2:39 PM	83490
2-Methylnaphthalene	ND	0.277		mg/Kg-dry	1	07/13/2022 2:39 PM	83490
2-Nitroaniline	ND	0.277		mg/Kg-dry	1	07/13/2022 2:39 PM	83490
2-Nitrophenol	ND	0.277		mg/Kg-dry	1	07/13/2022 2:39 PM	83490
3,3-Dichlorobenzidine	ND	0.277		mg/Kg-dry	1	07/13/2022 2:39 PM	83490
3-Nitroaniline	ND	0.277		mg/Kg-dry	1	07/13/2022 2:39 PM	83490
4,6-Dinitro-2-methylphenol	ND	0.277		mg/Kg-dry	1	07/13/2022 2:39 PM	83490
4-Bromophenyl phenyl ether	ND	0.277		mg/Kg-dry	1	07/13/2022 2:39 PM	83490
4-Chloro-3-methylphenol	ND	0.277		mg/Kg-dry	1	07/13/2022 2:39 PM	83490
4-Chloroaniline	ND	0.277		mg/Kg-dry	1	07/13/2022 2:39 PM	83490



Suburban Laboratories, Inc.

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Laboratory Results

Client ID: Midwest Environmental Consulting Serv.

Report Date: July 18, 2022

Project Name: 6506 National Street Union IL

Workorder: 2207489

Client Sample ID: GP-2 @ 5-6 Feet

Matrix: SOIL

Lab ID: 2207489-002

Date Received: 07/08/2022 1:29 PM

Collection Date: 07/08/2022 8:30 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
SEMIVOLATILE ORGANICS (BNAS)		Method: EPA-8270C-Rev 3, Dec-96				Analyst: BM	
4-Chlorophenyl phenyl ether	ND	0.277		mg/Kg-dry	1	07/13/2022 2:39 PM	83490
4-Nitroaniline	ND	0.277		mg/Kg-dry	1	07/13/2022 2:39 PM	83490
4-Nitrophenol	ND	0.277		mg/Kg-dry	1	07/13/2022 2:39 PM	83490
Acenaphthene	ND	0.0554		mg/Kg-dry	1	07/13/2022 2:39 PM	83490
Acenaphthylene	ND	0.0554		mg/Kg-dry	1	07/13/2022 2:39 PM	83490
Anthracene	ND	0.0554		mg/Kg-dry	1	07/13/2022 2:39 PM	83490
Benzo(a)anthracene	ND	0.0554		mg/Kg-dry	1	07/13/2022 2:39 PM	83490
Benzo(a)pyrene	ND	0.0554		mg/Kg-dry	1	07/13/2022 2:39 PM	83490
Benzo(b)fluoranthene	ND	0.0554		mg/Kg-dry	1	07/13/2022 2:39 PM	83490
Benzo(g,h,i)perylene	ND	0.0554		mg/Kg-dry	1	07/13/2022 2:39 PM	83490
Benzo(k)fluoranthene	ND	0.0554		mg/Kg-dry	1	07/13/2022 2:39 PM	83490
Bis(2-chloroethoxy)methane	ND	0.277		mg/Kg-dry	1	07/13/2022 2:39 PM	83490
Bis(2-chloroethyl)ether	ND	0.277		mg/Kg-dry	1	07/13/2022 2:39 PM	83490
Bis(2-chloroisopropyl)ether	ND	0.277		mg/Kg-dry	1	07/13/2022 2:39 PM	83490
Bis(2-ethylhexyl)phthalate	ND	0.277		mg/Kg-dry	1	07/13/2022 2:39 PM	83490
Butyl benzyl phthalate	ND	0.277		mg/Kg-dry	1	07/13/2022 2:39 PM	83490
Carbazole	ND	0.277		mg/Kg-dry	1	07/13/2022 2:39 PM	83490
Chrysene	ND	0.0554		mg/Kg-dry	1	07/13/2022 2:39 PM	83490
Dibenzo(a,h)anthracene	ND	0.0554		mg/Kg-dry	1	07/13/2022 2:39 PM	83490
Dibenzofuran	ND	0.277		mg/Kg-dry	1	07/13/2022 2:39 PM	83490
Diethyl phthalate	ND	0.277		mg/Kg-dry	1	07/13/2022 2:39 PM	83490
Dimethyl phthalate	ND	0.277		mg/Kg-dry	1	07/13/2022 2:39 PM	83490
Di-n-butyl phthalate	ND	0.277		mg/Kg-dry	1	07/13/2022 2:39 PM	83490
Di-n-octyl phthalate	ND	0.277		mg/Kg-dry	1	07/13/2022 2:39 PM	83490
Fluoranthene	ND	0.0554		mg/Kg-dry	1	07/13/2022 2:39 PM	83490
Fluorene	ND	0.0554		mg/Kg-dry	1	07/13/2022 2:39 PM	83490
Hexachlorobenzene	ND	0.277		mg/Kg-dry	1	07/13/2022 2:39 PM	83490
Hexachlorobutadiene	ND	0.277		mg/Kg-dry	1	07/13/2022 2:39 PM	83490
Hexachlorocyclopentadiene	ND	0.277		mg/Kg-dry	1	07/13/2022 2:39 PM	83490
Hexachloroethane	ND	0.277		mg/Kg-dry	1	07/13/2022 2:39 PM	83490
Indeno(1,2,3-cd)pyrene	ND	0.0554		mg/Kg-dry	1	07/13/2022 2:39 PM	83490
Isophorone	ND	0.277		mg/Kg-dry	1	07/13/2022 2:39 PM	83490
m,p-Cresol	ND	0.277		mg/Kg-dry	1	07/13/2022 2:39 PM	83490
Naphthalene	ND	0.0554		mg/Kg-dry	1	07/13/2022 2:39 PM	83490
Nitrobenzene	ND	0.277		mg/Kg-dry	1	07/13/2022 2:39 PM	83490
N-Nitroso-di-n-propylamine	ND	0.277		mg/Kg-dry	1	07/13/2022 2:39 PM	83490
N-Nitrosodiphenylamine	ND	0.277		mg/Kg-dry	1	07/13/2022 2:39 PM	83490
o-Cresol	ND	0.277		mg/Kg-dry	1	07/13/2022 2:39 PM	83490
Pentachlorophenol	ND	0.277		mg/Kg-dry	1	07/13/2022 2:39 PM	83490



Suburban Laboratories, Inc.

1950 S. Batavia Ave., Suite 150, Geneva, IL 60134 (708) 544-3260

Laboratory Results

Client ID: Midwest Environmental Consulting Serv.

Report Date: July 18, 2022

Project Name: 6506 National Street Union IL

Workorder: 2207489

Client Sample ID: GP-2 @ 5-6 Feet

Matrix: SOIL

Lab ID: 2207489-002

Date Received: 07/08/2022 1:29 PM

Collection Date: 07/08/2022 8:30 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
SEMIVOLATILE ORGANICS (BNAS)		Method: EPA-8270C-Rev 3, Dec-96			Analyst: BM		
Phenanthrene	ND	0.0554		mg/Kg-dry	1	07/13/2022 2:39 PM	83490
Phenol	ND	0.277		mg/Kg-dry	1	07/13/2022 2:39 PM	83490
Pyrene	ND	0.0554		mg/Kg-dry	1	07/13/2022 2:39 PM	83490
<u>Internal Quality Control Compounds</u>							
SS: 2,4,6-Tribromophenol	73.8	45-152		%Rec	1	07/13/2022 2:39 PM	83490
SS: 2-Fluorobiphenyl	74.6	58-141		%Rec	1	07/13/2022 2:39 PM	83490
SS: 2-Fluorophenol	81.8	45-164		%Rec	1	07/13/2022 2:39 PM	83490
SS: 4-Terphenyl-d14	137	10-243		%Rec	1	07/13/2022 2:39 PM	83490
SS: Nitrobenzene-d5	76.1	45-150		%Rec	1	07/13/2022 2:39 PM	83490
SS: Phenol-d6	80.9	57-141		%Rec	1	07/13/2022 2:39 PM	83490
MERCURY BY CVAA		Method: EPA-7471B-Rev 2, Feb-07			Analyst: MTS		
Mercury	ND	0.0399		mg/Kg-dry	1	07/13/2022 11:53 AM	83491
PH (IN LABORATORY) <ATC>		Method: EPA-9045C-Rev 3, Jan-95			Analyst: CSS		
pH	8.21	1.00	V	pH Units	1	07/13/2022 5:14 PM	R151143
Temperature	21.9	0	V	°C	1	07/13/2022 5:14 PM	R151143
PERCENT MOISTURE		Method: ASTM-D2216-Rev 2005			Analyst: NH		
Percent Moisture	9.9	1.0	c	wt%	1	07/12/2022 10:29 AM	R151039



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Laboratory Results

Client ID: Midwest Environmental Consulting Serv.

Report Date: July 18, 2022

Project Name: 6506 National Street Union IL

Workorder: 2207489

Client Sample ID: GP-3 @ 6-7 Feet

Matrix: SOIL

Lab ID: 2207489-003

Date Received: 07/08/2022 1:29 PM

Collection Date: 07/08/2022 9:40 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
METALS BY ICP		Method: EPA-6010B-Rev 2, Dec-96				Analyst: SCT	
Arsenic	ND	1.15		mg/Kg-dry	1	07/14/2022 2:21 PM	83487
Barium	5.97	0.125		mg/Kg-dry	1	07/14/2022 2:21 PM	83487
Cadmium	0.258	0.0750		mg/Kg-dry	1	07/14/2022 2:21 PM	83487
Chromium	2.12	0.0600		mg/Kg-dry	1	07/14/2022 2:21 PM	83487
Lead	ND	0.600		mg/Kg-dry	1	07/14/2022 2:21 PM	83487
Selenium	ND	1.30		mg/Kg-dry	1	07/14/2022 2:21 PM	83487
Silver	ND	0.0600		mg/Kg-dry	1	07/14/2022 2:21 PM	83487
VOLATILE ORGANIC COMPOUNDS		Method: EPA-8260B-Rev 2, Dec-96				Analyst: RY	
Total 1,3-Dichloropropene	ND	0.0608		mg/Kg-dry	55.92	07/08/2022 8:01 PM	R151052
1,1,1-Trichloroethane	ND	0.0608		mg/Kg-dry	55.92	07/08/2022 8:01 PM	R151052
1,1,2,2-Tetrachloroethane	ND	0.0608		mg/Kg-dry	55.92	07/08/2022 8:01 PM	R151052
1,1,2-Trichloroethane	ND	0.0608		mg/Kg-dry	55.92	07/08/2022 8:01 PM	R151052
1,1-Dichloroethane	ND	0.0608		mg/Kg-dry	55.92	07/08/2022 8:01 PM	R151052
1,1-Dichloroethene	ND	0.0608		mg/Kg-dry	55.92	07/08/2022 8:01 PM	R151052
1,2-Dichloroethane	ND	0.0608		mg/Kg-dry	55.92	07/08/2022 8:01 PM	R151052
1,2-Dichloropropane	ND	0.0608		mg/Kg-dry	55.92	07/08/2022 8:01 PM	R151052
2-Butanone	ND	0.608		mg/Kg-dry	55.92	07/08/2022 8:01 PM	R151052
2-Hexanone	ND	1.52		mg/Kg-dry	55.92	07/08/2022 8:01 PM	R151052
4-Methyl-2-pentanone	ND	1.52		mg/Kg-dry	55.92	07/08/2022 8:01 PM	R151052
Acetone	ND	1.52		mg/Kg-dry	55.92	07/08/2022 8:01 PM	R151052
Benzene	ND	0.0152		mg/Kg-dry	55.92	07/08/2022 8:01 PM	R151052
Bromodichloromethane	ND	0.0608		mg/Kg-dry	55.92	07/08/2022 8:01 PM	R151052
Bromoform	ND	0.0608		mg/Kg-dry	55.92	07/08/2022 8:01 PM	R151052
Bromomethane	ND	0.0608		mg/Kg-dry	55.92	07/08/2022 8:01 PM	R151052
Carbon disulfide	ND	0.0608		mg/Kg-dry	55.92	07/08/2022 8:01 PM	R151052
Carbon tetrachloride	ND	0.0608		mg/Kg-dry	55.92	07/08/2022 8:01 PM	R151052
Chlorobenzene	ND	0.0608		mg/Kg-dry	55.92	07/08/2022 8:01 PM	R151052
Chloroethane	ND	0.0608		mg/Kg-dry	55.92	07/08/2022 8:01 PM	R151052
Chloroform	ND	0.0608		mg/Kg-dry	55.92	07/08/2022 8:01 PM	R151052
Chloromethane	ND	0.0608		mg/Kg-dry	55.92	07/08/2022 8:01 PM	R151052
cis-1,2-Dichloroethene	ND	0.0608		mg/Kg-dry	55.92	07/08/2022 8:01 PM	R151052
cis-1,3-Dichloropropene	ND	0.0608		mg/Kg-dry	55.92	07/08/2022 8:01 PM	R151052
Dibromochloromethane	ND	0.0608		mg/Kg-dry	55.92	07/08/2022 8:01 PM	R151052
Ethylbenzene	ND	0.0608		mg/Kg-dry	55.92	07/08/2022 8:01 PM	R151052
m,p-Xylene	ND	0.122		mg/Kg-dry	55.92	07/08/2022 8:01 PM	R151052
Methyl tert-butyl ether	ND	0.0608		mg/Kg-dry	55.92	07/08/2022 8:01 PM	R151052



Suburban Laboratories, Inc.

1950 S. Batavia Ave., Suite 150, Geneva, IL 60134 (708) 544-3260

Laboratory Results

Client ID: Midwest Environmental Consulting Serv.

Report Date: July 18, 2022

Project Name: 6506 National Street Union IL

Workorder: 2207489

Client Sample ID: GP-3 @ 6-7 Feet

Matrix: SOIL

Lab ID: 2207489-003

Date Received: 07/08/2022 1:29 PM

Collection Date: 07/08/2022 9:40 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
VOLATILE ORGANIC COMPOUNDS		Method: EPA-8260B-Rev 2, Dec-96			Analyst: RY		
Methylene chloride	ND	0.304		mg/Kg-dry	55.92	07/08/2022 8:01 PM	R151052
o-Xylene	ND	0.0608		mg/Kg-dry	55.92	07/08/2022 8:01 PM	R151052
Total Xylenes	ND	0.122		mg/Kg-dry	55.92	07/08/2022 8:01 PM	R151052
Styrene	ND	0.0608		mg/Kg-dry	55.92	07/08/2022 8:01 PM	R151052
Tetrachloroethene	ND	0.122		mg/Kg-dry	55.92	07/08/2022 8:01 PM	R151052
Toluene	ND	0.0608		mg/Kg-dry	55.92	07/08/2022 8:01 PM	R151052
trans-1,2-Dichloroethene	ND	0.0608		mg/Kg-dry	55.92	07/08/2022 8:01 PM	R151052
trans-1,3-Dichloropropene	ND	0.0608		mg/Kg-dry	55.92	07/08/2022 8:01 PM	R151052
Trichloroethene	ND	0.0608		mg/Kg-dry	55.92	07/08/2022 8:01 PM	R151052
Vinyl chloride	ND	0.0608		mg/Kg-dry	55.92	07/08/2022 8:01 PM	R151052
<u>Internal Quality Control Compounds</u>							
SS: 4-Bromofluorobenzene	102	80-130		%Rec	55.92	07/08/2022 8:01 PM	R151052
SS: Dibromofluoromethane	98.9	76.1-120		%Rec	55.92	07/08/2022 8:01 PM	R151052
SS: Toluene-d8	104	85-115		%Rec	55.92	07/08/2022 8:01 PM	R151052
SEMIVOLATILE ORGANICS (BNAS)		Method: EPA-8270C-Rev 3, Dec-96			Analyst: BM		
1,2,4-Trichlorobenzene	ND	0.268		mg/Kg-dry	1	07/13/2022 3:11 PM	83490
1,2-Dichlorobenzene	ND	0.268		mg/Kg-dry	1	07/13/2022 3:11 PM	83490
1,3-Dichlorobenzene	ND	0.268		mg/Kg-dry	1	07/13/2022 3:11 PM	83490
1,4-Dichlorobenzene	ND	0.268		mg/Kg-dry	1	07/13/2022 3:11 PM	83490
2,4,5-Trichlorophenol	ND	0.268		mg/Kg-dry	1	07/13/2022 3:11 PM	83490
2,4,6-Trichlorophenol	ND	0.268		mg/Kg-dry	1	07/13/2022 3:11 PM	83490
2,4-Dichlorophenol	ND	0.268		mg/Kg-dry	1	07/13/2022 3:11 PM	83490
2,4-Dimethylphenol	ND	0.268		mg/Kg-dry	1	07/13/2022 3:11 PM	83490
2,4-Dinitrophenol	ND	0.268		mg/Kg-dry	1	07/13/2022 3:11 PM	83490
2,4-Dinitrotoluene	ND	0.268		mg/Kg-dry	1	07/13/2022 3:11 PM	83490
2,6-Dinitrotoluene	ND	0.268		mg/Kg-dry	1	07/13/2022 3:11 PM	83490
2-Chloronaphthalene	ND	0.268		mg/Kg-dry	1	07/13/2022 3:11 PM	83490
2-Chlorophenol	ND	0.268		mg/Kg-dry	1	07/13/2022 3:11 PM	83490
2-Methylnaphthalene	ND	0.268		mg/Kg-dry	1	07/13/2022 3:11 PM	83490
2-Nitroaniline	ND	0.268		mg/Kg-dry	1	07/13/2022 3:11 PM	83490
2-Nitrophenol	ND	0.268		mg/Kg-dry	1	07/13/2022 3:11 PM	83490
3,3-Dichlorobenzidine	ND	0.268		mg/Kg-dry	1	07/13/2022 3:11 PM	83490
3-Nitroaniline	ND	0.268		mg/Kg-dry	1	07/13/2022 3:11 PM	83490
4,6-Dinitro-2-methylphenol	ND	0.268		mg/Kg-dry	1	07/13/2022 3:11 PM	83490
4-Bromophenyl phenyl ether	ND	0.268		mg/Kg-dry	1	07/13/2022 3:11 PM	83490
4-Chloro-3-methylphenol	ND	0.268		mg/Kg-dry	1	07/13/2022 3:11 PM	83490
4-Chloroaniline	ND	0.268		mg/Kg-dry	1	07/13/2022 3:11 PM	83490



Suburban Laboratories, Inc.

1950 S. Batavia Ave., Suite 150, Geneva, IL 60134 (708) 544-3260

Laboratory Results

Client ID: Midwest Environmental Consulting Serv.

Report Date: July 18, 2022

Project Name: 6506 National Street Union IL

Workorder: 2207489

Client Sample ID: GP-3 @ 6-7 Feet

Matrix: SOIL

Lab ID: 2207489-003

Date Received: 07/08/2022 1:29 PM

Collection Date: 07/08/2022 9:40 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
SEMIVOLATILE ORGANICS (BNAS)		Method: EPA-8270C-Rev 3, Dec-96				Analyst: BM	
4-Chlorophenyl phenyl ether	ND	0.268		mg/Kg-dry	1	07/13/2022 3:11 PM	83490
4-Nitroaniline	ND	0.268		mg/Kg-dry	1	07/13/2022 3:11 PM	83490
4-Nitrophenol	ND	0.268		mg/Kg-dry	1	07/13/2022 3:11 PM	83490
Acenaphthene	ND	0.0536		mg/Kg-dry	1	07/13/2022 3:11 PM	83490
Acenaphthylene	ND	0.0536		mg/Kg-dry	1	07/13/2022 3:11 PM	83490
Anthracene	ND	0.0536		mg/Kg-dry	1	07/13/2022 3:11 PM	83490
Benzo(a)anthracene	ND	0.0536		mg/Kg-dry	1	07/13/2022 3:11 PM	83490
Benzo(a)pyrene	ND	0.0536		mg/Kg-dry	1	07/13/2022 3:11 PM	83490
Benzo(b)fluoranthene	ND	0.0536		mg/Kg-dry	1	07/13/2022 3:11 PM	83490
Benzo(g,h,i)perylene	ND	0.0536		mg/Kg-dry	1	07/13/2022 3:11 PM	83490
Benzo(k)fluoranthene	ND	0.0536		mg/Kg-dry	1	07/13/2022 3:11 PM	83490
Bis(2-chloroethoxy)methane	ND	0.268		mg/Kg-dry	1	07/13/2022 3:11 PM	83490
Bis(2-chloroethyl)ether	ND	0.268		mg/Kg-dry	1	07/13/2022 3:11 PM	83490
Bis(2-chloroisopropyl)ether	ND	0.268		mg/Kg-dry	1	07/13/2022 3:11 PM	83490
Bis(2-ethylhexyl)phthalate	ND	0.268		mg/Kg-dry	1	07/13/2022 3:11 PM	83490
Butyl benzyl phthalate	ND	0.268		mg/Kg-dry	1	07/13/2022 3:11 PM	83490
Carbazole	ND	0.268		mg/Kg-dry	1	07/13/2022 3:11 PM	83490
Chrysene	ND	0.0536		mg/Kg-dry	1	07/13/2022 3:11 PM	83490
Dibenzo(a,h)anthracene	ND	0.0536		mg/Kg-dry	1	07/13/2022 3:11 PM	83490
Dibenzofuran	ND	0.268		mg/Kg-dry	1	07/13/2022 3:11 PM	83490
Diethyl phthalate	ND	0.268		mg/Kg-dry	1	07/13/2022 3:11 PM	83490
Dimethyl phthalate	ND	0.268		mg/Kg-dry	1	07/13/2022 3:11 PM	83490
Di-n-butyl phthalate	ND	0.268		mg/Kg-dry	1	07/13/2022 3:11 PM	83490
Di-n-octyl phthalate	ND	0.268		mg/Kg-dry	1	07/13/2022 3:11 PM	83490
Fluoranthene	ND	0.0536		mg/Kg-dry	1	07/13/2022 3:11 PM	83490
Fluorene	ND	0.0536		mg/Kg-dry	1	07/13/2022 3:11 PM	83490
Hexachlorobenzene	ND	0.268		mg/Kg-dry	1	07/13/2022 3:11 PM	83490
Hexachlorobutadiene	ND	0.268		mg/Kg-dry	1	07/13/2022 3:11 PM	83490
Hexachlorocyclopentadiene	ND	0.268		mg/Kg-dry	1	07/13/2022 3:11 PM	83490
Hexachloroethane	ND	0.268		mg/Kg-dry	1	07/13/2022 3:11 PM	83490
Indeno(1,2,3-cd)pyrene	ND	0.0536		mg/Kg-dry	1	07/13/2022 3:11 PM	83490
Isophorone	ND	0.268		mg/Kg-dry	1	07/13/2022 3:11 PM	83490
m,p-Cresol	ND	0.268		mg/Kg-dry	1	07/13/2022 3:11 PM	83490
Naphthalene	ND	0.0536		mg/Kg-dry	1	07/13/2022 3:11 PM	83490
Nitrobenzene	ND	0.268		mg/Kg-dry	1	07/13/2022 3:11 PM	83490
N-Nitroso-di-n-propylamine	ND	0.268		mg/Kg-dry	1	07/13/2022 3:11 PM	83490
N-Nitrosodiphenylamine	ND	0.268		mg/Kg-dry	1	07/13/2022 3:11 PM	83490
o-Cresol	ND	0.268		mg/Kg-dry	1	07/13/2022 3:11 PM	83490
Pentachlorophenol	ND	0.268		mg/Kg-dry	1	07/13/2022 3:11 PM	83490



Suburban Laboratories, Inc.

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Laboratory Results

Client ID: Midwest Environmental Consulting Serv.

Report Date: July 18, 2022

Project Name: 6506 National Street Union IL

Workorder: 2207489

Client Sample ID: GP-3 @ 6-7 Feet

Matrix: SOIL

Lab ID: 2207489-003

Date Received: 07/08/2022 1:29 PM

Collection Date: 07/08/2022 9:40 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
SEMIVOLATILE ORGANICS (BNAS)		Method: EPA-8270C-Rev 3, Dec-96			Analyst: BM		
Phenanthrene	ND	0.0536		mg/Kg-dry	1	07/13/2022 3:11 PM	83490
Phenol	ND	0.268		mg/Kg-dry	1	07/13/2022 3:11 PM	83490
Pyrene	ND	0.0536		mg/Kg-dry	1	07/13/2022 3:11 PM	83490
<u>Internal Quality Control Compounds</u>							
SS: 2,4,6-Tribromophenol	75.1	45-152		%Rec	1	07/13/2022 3:11 PM	83490
SS: 2-Fluorobiphenyl	71.8	58-141		%Rec	1	07/13/2022 3:11 PM	83490
SS: 2-Fluorophenol	79.3	45-164		%Rec	1	07/13/2022 3:11 PM	83490
SS: 4-Terphenyl-d14	75.0	10-243		%Rec	1	07/13/2022 3:11 PM	83490
SS: Nitrobenzene-d5	73.0	45-150		%Rec	1	07/13/2022 3:11 PM	83490
SS: Phenol-d6	77.9	57-141		%Rec	1	07/13/2022 3:11 PM	83490
MERCURY BY CVAA		Method: EPA-7471B-Rev 2, Feb-07			Analyst: MTS		
Mercury	ND	0.0391		mg/Kg-dry	1	07/13/2022 11:56 AM	83491
PH (IN LABORATORY) <ATC>		Method: EPA-9045C-Rev 3, Jan-95			Analyst: CSS		
pH	8.07	1.00	V	pH Units	1	07/13/2022 5:19 PM	R151143
Temperature	22.2	0	V	°C	1	07/13/2022 5:19 PM	R151143
PERCENT MOISTURE		Method: ASTM-D2216-Rev 2005			Analyst: NH		
Percent Moisture	8.0	1.0	c	wt%	1	07/12/2022 10:29 AM	R151039



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Laboratory Results

Client ID: Midwest Environmental Consulting Serv.

Report Date: July 18, 2022

Project Name: 6506 National Street Union IL

Workorder: 2207489

Client Sample ID: GP-4 @ 6-7 Feet

Matrix: SOIL

Lab ID: 2207489-004

Date Received: 07/08/2022 1:29 PM

Collection Date: 07/08/2022 10:45 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
METALS BY ICP		Method: EPA-6010B-Rev 2, Dec-96				Analyst: SCT	
Arsenic	ND	1.11		mg/Kg-dry	1	07/14/2022 2:34 PM	83487
Barium	7.51	0.120		mg/Kg-dry	1	07/14/2022 2:34 PM	83487
Cadmium	0.315	0.0721		mg/Kg-dry	1	07/14/2022 2:34 PM	83487
Chromium	2.94	0.0577		mg/Kg-dry	1	07/14/2022 2:34 PM	83487
Lead	ND	0.577		mg/Kg-dry	1	07/14/2022 2:34 PM	83487
Selenium	ND	1.25		mg/Kg-dry	1	07/14/2022 2:34 PM	83487
Silver	ND	0.0577		mg/Kg-dry	1	07/14/2022 2:34 PM	83487
VOLATILE ORGANIC COMPOUNDS		Method: EPA-8260B-Rev 2, Dec-96				Analyst: RY	
Total 1,3-Dichloropropene	ND	0.0514		mg/Kg-dry	47.83	07/08/2022 8:27 PM	R151052
1,1,1-Trichloroethane	ND	0.0514		mg/Kg-dry	47.83	07/08/2022 8:27 PM	R151052
1,1,2,2-Tetrachloroethane	ND	0.0514		mg/Kg-dry	47.83	07/08/2022 8:27 PM	R151052
1,1,2-Trichloroethane	ND	0.0514		mg/Kg-dry	47.83	07/08/2022 8:27 PM	R151052
1,1-Dichloroethane	ND	0.0514		mg/Kg-dry	47.83	07/08/2022 8:27 PM	R151052
1,1-Dichloroethene	ND	0.0514		mg/Kg-dry	47.83	07/08/2022 8:27 PM	R151052
1,2-Dichloroethane	ND	0.0514		mg/Kg-dry	47.83	07/08/2022 8:27 PM	R151052
1,2-Dichloropropane	ND	0.0514		mg/Kg-dry	47.83	07/08/2022 8:27 PM	R151052
2-Butanone	ND	0.514		mg/Kg-dry	47.83	07/08/2022 8:27 PM	R151052
2-Hexanone	ND	1.29		mg/Kg-dry	47.83	07/08/2022 8:27 PM	R151052
4-Methyl-2-pentanone	ND	1.29		mg/Kg-dry	47.83	07/08/2022 8:27 PM	R151052
Acetone	ND	1.29		mg/Kg-dry	47.83	07/08/2022 8:27 PM	R151052
Benzene	ND	0.0129		mg/Kg-dry	47.83	07/08/2022 8:27 PM	R151052
Bromodichloromethane	ND	0.0514		mg/Kg-dry	47.83	07/08/2022 8:27 PM	R151052
Bromoform	ND	0.0514		mg/Kg-dry	47.83	07/08/2022 8:27 PM	R151052
Bromomethane	ND	0.0514		mg/Kg-dry	47.83	07/08/2022 8:27 PM	R151052
Carbon disulfide	ND	0.0514		mg/Kg-dry	47.83	07/08/2022 8:27 PM	R151052
Carbon tetrachloride	ND	0.0514		mg/Kg-dry	47.83	07/08/2022 8:27 PM	R151052
Chlorobenzene	ND	0.0514		mg/Kg-dry	47.83	07/08/2022 8:27 PM	R151052
Chloroethane	ND	0.0514		mg/Kg-dry	47.83	07/08/2022 8:27 PM	R151052
Chloroform	ND	0.0514		mg/Kg-dry	47.83	07/08/2022 8:27 PM	R151052
Chloromethane	ND	0.0514		mg/Kg-dry	47.83	07/08/2022 8:27 PM	R151052
cis-1,2-Dichloroethene	ND	0.0514		mg/Kg-dry	47.83	07/08/2022 8:27 PM	R151052
cis-1,3-Dichloropropene	ND	0.0514		mg/Kg-dry	47.83	07/08/2022 8:27 PM	R151052
Dibromochloromethane	ND	0.0514		mg/Kg-dry	47.83	07/08/2022 8:27 PM	R151052
Ethylbenzene	ND	0.0514		mg/Kg-dry	47.83	07/08/2022 8:27 PM	R151052
m,p-Xylene	ND	0.103		mg/Kg-dry	47.83	07/08/2022 8:27 PM	R151052
Methyl tert-butyl ether	ND	0.0514		mg/Kg-dry	47.83	07/08/2022 8:27 PM	R151052



Suburban Laboratories, Inc.

1950 S. Batavia Ave., Suite 150, Geneva, IL 60134 (708) 544-3260

Laboratory Results

Client ID: Midwest Environmental Consulting Serv.

Report Date: July 18, 2022

Project Name: 6506 National Street Union IL

Workorder: 2207489

Client Sample ID: GP-4 @ 6-7 Feet

Matrix: SOIL

Lab ID: 2207489-004

Date Received: 07/08/2022 1:29 PM

Collection Date: 07/08/2022 10:45 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
VOLATILE ORGANIC COMPOUNDS		Method: EPA-8260B-Rev 2, Dec-96			Analyst: RY		
Methylene chloride	ND	0.257		mg/Kg-dry	47.83	07/08/2022 8:27 PM	R151052
o-Xylene	ND	0.0514		mg/Kg-dry	47.83	07/08/2022 8:27 PM	R151052
Total Xylenes	ND	0.103		mg/Kg-dry	47.83	07/08/2022 8:27 PM	R151052
Styrene	ND	0.0514		mg/Kg-dry	47.83	07/08/2022 8:27 PM	R151052
Tetrachloroethene	ND	0.103		mg/Kg-dry	47.83	07/08/2022 8:27 PM	R151052
Toluene	ND	0.0514		mg/Kg-dry	47.83	07/08/2022 8:27 PM	R151052
trans-1,2-Dichloroethene	ND	0.0514		mg/Kg-dry	47.83	07/08/2022 8:27 PM	R151052
trans-1,3-Dichloropropene	ND	0.0514		mg/Kg-dry	47.83	07/08/2022 8:27 PM	R151052
Trichloroethene	ND	0.0514		mg/Kg-dry	47.83	07/08/2022 8:27 PM	R151052
Vinyl chloride	ND	0.0514		mg/Kg-dry	47.83	07/08/2022 8:27 PM	R151052
<u>Internal Quality Control Compounds</u>							
SS: 4-Bromofluorobenzene	102	80-130		%Rec	47.83	07/08/2022 8:27 PM	R151052
SS: Dibromofluoromethane	99.9	76.1-120		%Rec	47.83	07/08/2022 8:27 PM	R151052
SS: Toluene-d8	104	85-115		%Rec	47.83	07/08/2022 8:27 PM	R151052
SEMIVOLATILE ORGANICS (BNAS)		Method: EPA-8270C-Rev 3, Dec-96			Analyst: BM		
1,2,4-Trichlorobenzene	ND	0.265		mg/Kg-dry	1	07/13/2022 4:47 PM	83490
1,2-Dichlorobenzene	ND	0.265		mg/Kg-dry	1	07/13/2022 4:47 PM	83490
1,3-Dichlorobenzene	ND	0.265		mg/Kg-dry	1	07/13/2022 4:47 PM	83490
1,4-Dichlorobenzene	ND	0.265		mg/Kg-dry	1	07/13/2022 4:47 PM	83490
2,4,5-Trichlorophenol	ND	0.265		mg/Kg-dry	1	07/13/2022 4:47 PM	83490
2,4,6-Trichlorophenol	ND	0.265		mg/Kg-dry	1	07/13/2022 4:47 PM	83490
2,4-Dichlorophenol	ND	0.265		mg/Kg-dry	1	07/13/2022 4:47 PM	83490
2,4-Dimethylphenol	ND	0.265		mg/Kg-dry	1	07/13/2022 4:47 PM	83490
2,4-Dinitrophenol	ND	0.265		mg/Kg-dry	1	07/13/2022 4:47 PM	83490
2,4-Dinitrotoluene	ND	0.265		mg/Kg-dry	1	07/13/2022 4:47 PM	83490
2,6-Dinitrotoluene	ND	0.265		mg/Kg-dry	1	07/13/2022 4:47 PM	83490
2-Chloronaphthalene	ND	0.265		mg/Kg-dry	1	07/13/2022 4:47 PM	83490
2-Chlorophenol	ND	0.265		mg/Kg-dry	1	07/13/2022 4:47 PM	83490
2-Methylnaphthalene	ND	0.265		mg/Kg-dry	1	07/13/2022 4:47 PM	83490
2-Nitroaniline	ND	0.265		mg/Kg-dry	1	07/13/2022 4:47 PM	83490
2-Nitrophenol	ND	0.265		mg/Kg-dry	1	07/13/2022 4:47 PM	83490
3,3-Dichlorobenzidine	ND	0.265		mg/Kg-dry	1	07/13/2022 4:47 PM	83490
3-Nitroaniline	ND	0.265		mg/Kg-dry	1	07/13/2022 4:47 PM	83490
4,6-Dinitro-2-methylphenol	ND	0.265		mg/Kg-dry	1	07/13/2022 4:47 PM	83490
4-Bromophenyl phenyl ether	ND	0.265		mg/Kg-dry	1	07/13/2022 4:47 PM	83490
4-Chloro-3-methylphenol	ND	0.265		mg/Kg-dry	1	07/13/2022 4:47 PM	83490
4-Chloroaniline	ND	0.265		mg/Kg-dry	1	07/13/2022 4:47 PM	83490



Suburban Laboratories, Inc.

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Laboratory Results

Client ID: Midwest Environmental Consulting Serv.

Report Date: July 18, 2022

Project Name: 6506 National Street Union IL

Workorder: 2207489

Client Sample ID: GP-4 @ 6-7 Feet

Matrix: SOIL

Lab ID: 2207489-004

Date Received: 07/08/2022 1:29 PM

Collection Date: 07/08/2022 10:45 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
SEMIVOLATILE ORGANICS (BNAS)		Method: EPA-8270C-Rev 3, Dec-96				Analyst: BM	
4-Chlorophenyl phenyl ether	ND	0.265		mg/Kg-dry	1	07/13/2022 4:47 PM	83490
4-Nitroaniline	ND	0.265		mg/Kg-dry	1	07/13/2022 4:47 PM	83490
4-Nitrophenol	ND	0.265		mg/Kg-dry	1	07/13/2022 4:47 PM	83490
Acenaphthene	ND	0.0531		mg/Kg-dry	1	07/13/2022 4:47 PM	83490
Acenaphthylene	ND	0.0531		mg/Kg-dry	1	07/13/2022 4:47 PM	83490
Anthracene	ND	0.0531		mg/Kg-dry	1	07/13/2022 4:47 PM	83490
Benzo(a)anthracene	ND	0.0531		mg/Kg-dry	1	07/13/2022 4:47 PM	83490
Benzo(a)pyrene	ND	0.0531		mg/Kg-dry	1	07/13/2022 4:47 PM	83490
Benzo(b)fluoranthene	ND	0.0531		mg/Kg-dry	1	07/13/2022 4:47 PM	83490
Benzo(g,h,i)perylene	ND	0.0531		mg/Kg-dry	1	07/13/2022 4:47 PM	83490
Benzo(k)fluoranthene	ND	0.0531		mg/Kg-dry	1	07/13/2022 4:47 PM	83490
Bis(2-chloroethoxy)methane	ND	0.265		mg/Kg-dry	1	07/13/2022 4:47 PM	83490
Bis(2-chloroethyl)ether	ND	0.265		mg/Kg-dry	1	07/13/2022 4:47 PM	83490
Bis(2-chloroisopropyl)ether	ND	0.265		mg/Kg-dry	1	07/13/2022 4:47 PM	83490
Bis(2-ethylhexyl)phthalate	ND	0.265		mg/Kg-dry	1	07/13/2022 4:47 PM	83490
Butyl benzyl phthalate	ND	0.265		mg/Kg-dry	1	07/13/2022 4:47 PM	83490
Carbazole	ND	0.265		mg/Kg-dry	1	07/13/2022 4:47 PM	83490
Chrysene	ND	0.0531		mg/Kg-dry	1	07/13/2022 4:47 PM	83490
Dibenzo(a,h)anthracene	ND	0.0531		mg/Kg-dry	1	07/13/2022 4:47 PM	83490
Dibenzofuran	ND	0.265		mg/Kg-dry	1	07/13/2022 4:47 PM	83490
Diethyl phthalate	ND	0.265		mg/Kg-dry	1	07/13/2022 4:47 PM	83490
Dimethyl phthalate	ND	0.265		mg/Kg-dry	1	07/13/2022 4:47 PM	83490
Di-n-butyl phthalate	ND	0.265		mg/Kg-dry	1	07/13/2022 4:47 PM	83490
Di-n-octyl phthalate	ND	0.265		mg/Kg-dry	1	07/13/2022 4:47 PM	83490
Fluoranthene	ND	0.0531		mg/Kg-dry	1	07/13/2022 4:47 PM	83490
Fluorene	ND	0.0531		mg/Kg-dry	1	07/13/2022 4:47 PM	83490
Hexachlorobenzene	ND	0.265		mg/Kg-dry	1	07/13/2022 4:47 PM	83490
Hexachlorobutadiene	ND	0.265		mg/Kg-dry	1	07/13/2022 4:47 PM	83490
Hexachlorocyclopentadiene	ND	0.265		mg/Kg-dry	1	07/13/2022 4:47 PM	83490
Hexachloroethane	ND	0.265		mg/Kg-dry	1	07/13/2022 4:47 PM	83490
Indeno(1,2,3-cd)pyrene	ND	0.0531		mg/Kg-dry	1	07/13/2022 4:47 PM	83490
Isophorone	ND	0.265		mg/Kg-dry	1	07/13/2022 4:47 PM	83490
m,p-Cresol	ND	0.265		mg/Kg-dry	1	07/13/2022 4:47 PM	83490
Naphthalene	ND	0.0531		mg/Kg-dry	1	07/13/2022 4:47 PM	83490
Nitrobenzene	ND	0.265		mg/Kg-dry	1	07/13/2022 4:47 PM	83490
N-Nitroso-di-n-propylamine	ND	0.265		mg/Kg-dry	1	07/13/2022 4:47 PM	83490
N-Nitrosodiphenylamine	ND	0.265		mg/Kg-dry	1	07/13/2022 4:47 PM	83490
o-Cresol	ND	0.265		mg/Kg-dry	1	07/13/2022 4:47 PM	83490
Pentachlorophenol	ND	0.265		mg/Kg-dry	1	07/13/2022 4:47 PM	83490



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Laboratory Results

Client ID: Midwest Environmental Consulting Serv.

Report Date: July 18, 2022

Project Name: 6506 National Street Union IL

Workorder: 2207489

Client Sample ID: GP-4 @ 6-7 Feet

Matrix: SOIL

Lab ID: 2207489-004

Date Received: 07/08/2022 1:29 PM

Collection Date: 07/08/2022 10:45 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
SEMIVOLATILE ORGANICS (BNAS)		Method: EPA-8270C-Rev 3, Dec-96			Analyst: BM		
Phenanthrene	ND	0.0531		mg/Kg-dry	1	07/13/2022 4:47 PM	83490
Phenol	ND	0.265		mg/Kg-dry	1	07/13/2022 4:47 PM	83490
Pyrene	ND	0.0531		mg/Kg-dry	1	07/13/2022 4:47 PM	83490
<u>Internal Quality Control Compounds</u>							
SS: 2,4,6-Tribromophenol	76.8	45-152		%Rec	1	07/13/2022 4:47 PM	83490
SS: 2-Fluorobiphenyl	77.5	58-141		%Rec	1	07/13/2022 4:47 PM	83490
SS: 2-Fluorophenol	83.9	45-164		%Rec	1	07/13/2022 4:47 PM	83490
SS: 4-Terphenyl-d14	74.3	10-243		%Rec	1	07/13/2022 4:47 PM	83490
SS: Nitrobenzene-d5	77.8	45-150		%Rec	1	07/13/2022 4:47 PM	83490
SS: Phenol-d6	83.6	57-141		%Rec	1	07/13/2022 4:47 PM	83490
MERCURY BY CVAA		Method: EPA-7471B-Rev 2, Feb-07			Analyst: MTS		
Mercury	ND	0.0408		mg/Kg-dry	1	07/13/2022 11:59 AM	83491
PH (IN LABORATORY) <ATC>		Method: EPA-9045C-Rev 3, Jan-95			Analyst: CSS		
pH	8.09	1.00	VV	pH Units	1	07/13/2022 4:37 PM	R151143
Temperature	22.4	0	V	°C	1	07/13/2022 4:37 PM	R151143
PERCENT MOISTURE		Method: ASTM-D2216-Rev 2005			Analyst: NH		
Percent Moisture	7.0	1.0	c	wt%	1	07/12/2022 10:29 AM	R151039



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Laboratory Results

Client ID: Midwest Environmental Consulting Serv.

Report Date: July 18, 2022

Project Name: 6506 National Street Union IL

Workorder: 2207489

Client Sample ID: MW-1

Matrix: GROUNDWATER

Lab ID: 2207489-005

Date Received: 07/08/2022 1:29 PM

Collection Date: 07/08/2022 10:00 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
METALS BY ICP		Method: EPA-SW6010B-Rev 2, Dec-96				Analyst: SCT	
Arsenic	0.0253	0.0100		mg/L	1	07/15/2022 11:31 AM	83485
Barium	0.450	0.250		mg/L	1	07/15/2022 11:31 AM	83485
Cadmium	ND	0.00100		mg/L	1	07/15/2022 11:31 AM	83485
Chromium	0.0420	0.0250		mg/L	1	07/15/2022 11:31 AM	83485
Lead	0.0252	0.00500		mg/L	1	07/15/2022 11:31 AM	83485
Selenium	ND	0.0250		mg/L	1	07/15/2022 11:31 AM	83485
Silver	ND	0.0250		mg/L	1	07/15/2022 11:31 AM	83485
VOLATILE ORGANIC COMPOUNDS		Method: EPA-SW8260B-Rev 2, Dec-96				Analyst: RY	
1,1,1-Trichloroethane	ND	0.00100		mg/L	1	07/08/2022 3:41 PM	R151052
1,1,2,2-Tetrachloroethane	ND	0.00100		mg/L	1	07/08/2022 3:41 PM	R151052
1,1,2-Trichloroethane	ND	0.00100		mg/L	1	07/08/2022 3:41 PM	R151052
1,1-Dichloroethane	ND	0.00100		mg/L	1	07/08/2022 3:41 PM	R151052
1,1-Dichloroethene	ND	0.00100		mg/L	1	07/08/2022 3:41 PM	R151052
1,2-Dichloroethane	ND	0.00100		mg/L	1	07/08/2022 3:41 PM	R151052
1,2-Dichloropropane	ND	0.00100		mg/L	1	07/08/2022 3:41 PM	R151052
2-Butanone	0.0254	0.0100		mg/L	1	07/08/2022 3:41 PM	R151052
2-Hexanone	ND	0.0250		mg/L	1	07/08/2022 3:41 PM	R151052
4-Methyl-2-pentanone	ND	0.0250		mg/L	1	07/08/2022 3:41 PM	R151052
Acetone	0.0319	0.0250		mg/L	1	07/08/2022 3:41 PM	R151052
Benzene	ND	0.00100		mg/L	1	07/08/2022 3:41 PM	R151052
Bromodichloromethane	ND	0.00100		mg/L	1	07/08/2022 3:41 PM	R151052
Bromoform	ND	0.00100		mg/L	1	07/08/2022 3:41 PM	R151052
Bromomethane	ND	0.00100		mg/L	1	07/08/2022 3:41 PM	R151052
Carbon disulfide	ND	0.00100		mg/L	1	07/08/2022 3:41 PM	R151052
Carbon tetrachloride	ND	0.00100		mg/L	1	07/08/2022 3:41 PM	R151052
Chlorobenzene	ND	0.00100		mg/L	1	07/08/2022 3:41 PM	R151052
Chloroethane	ND	0.00100		mg/L	1	07/08/2022 3:41 PM	R151052
Chloroform	ND	0.00100		mg/L	1	07/08/2022 3:41 PM	R151052
Chloromethane	ND	0.00100		mg/L	1	07/08/2022 3:41 PM	R151052
cis-1,2-Dichloroethene	ND	0.00100		mg/L	1	07/08/2022 3:41 PM	R151052
cis-1,3-Dichloropropene	ND	0.00100		mg/L	1	07/08/2022 3:41 PM	R151052
Dibromochloromethane	ND	0.00100		mg/L	1	07/08/2022 3:41 PM	R151052
Ethylbenzene	ND	0.00100		mg/L	1	07/08/2022 3:41 PM	R151052
m,p-Xylene	ND	0.00200		mg/L	1	07/08/2022 3:41 PM	R151052
Methyl tert-butyl ether	ND	0.00100		mg/L	1	07/08/2022 3:41 PM	R151052
Methylene chloride	ND	0.00500		mg/L	1	07/08/2022 3:41 PM	R151052



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Laboratory Results

Client ID: Midwest Environmental Consulting Serv.

Report Date: July 18, 2022

Project Name: 6506 National Street Union IL

Workorder: 2207489

Client Sample ID: MW-1

Matrix: GROUNDWATER

Lab ID: 2207489-005

Date Received: 07/08/2022 1:29 PM

Collection Date: 07/08/2022 10:00 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
VOLATILE ORGANIC COMPOUNDS		Method: EPA-SW8260B-Rev 2, Dec-96			Analyst: RY		
o-Xylene	ND	0.00100		mg/L	1	07/08/2022 3:41 PM	R151052
Total Xylenes	ND	0.00200		mg/L	1	07/08/2022 3:41 PM	R151052
Styrene	ND	0.00100		mg/L	1	07/08/2022 3:41 PM	R151052
Tetrachloroethene	ND	0.00100		mg/L	1	07/08/2022 3:41 PM	R151052
Toluene	ND	0.00100		mg/L	1	07/08/2022 3:41 PM	R151052
trans-1,2-Dichloroethene	ND	0.00100		mg/L	1	07/08/2022 3:41 PM	R151052
trans-1,3-Dichloropropene	ND	0.00100		mg/L	1	07/08/2022 3:41 PM	R151052
Trichloroethene	ND	0.00100		mg/L	1	07/08/2022 3:41 PM	R151052
Vinyl chloride	ND	0.00100		mg/L	1	07/08/2022 3:41 PM	R151052
<u>Internal Quality Control Compounds</u>							
SS: 4-Bromofluorobenzene	111	80-130		%Rec	1	07/08/2022 3:41 PM	R151052
SS: Dibromofluoromethane	106	76.1-120		%Rec	1	07/08/2022 3:41 PM	R151052
SS: Toluene-d8	107	85-115		%Rec	1	07/08/2022 3:41 PM	R151052
SEMIVOLATILE ORGANICS (BNAS)		Method: EPA-8270C-Rev 3, Dec-96			Analyst: BM		
1,2,4-Trichlorobenzene	ND	0.011		mg/L	1	07/13/2022 6:53 PM	83501
1,2-Dichlorobenzene	ND	0.011		mg/L	1	07/13/2022 6:53 PM	83501
1,3-Dichlorobenzene	ND	0.011		mg/L	1	07/13/2022 6:53 PM	83501
1,4-Dichlorobenzene	ND	0.011		mg/L	1	07/13/2022 6:53 PM	83501
2,4,5-Trichlorophenol	ND	0.011		mg/L	1	07/13/2022 6:53 PM	83501
2,4,6-Trichlorophenol	ND	0.011		mg/L	1	07/13/2022 6:53 PM	83501
2,4-Dichlorophenol	ND	0.011		mg/L	1	07/13/2022 6:53 PM	83501
2,4-Dimethylphenol	ND	0.011		mg/L	1	07/13/2022 6:53 PM	83501
2,4-Dinitrophenol	ND	0.011	S	mg/L	1	07/13/2022 6:53 PM	83501
2,4-Dinitrotoluene	ND	0.011		mg/L	1	07/13/2022 6:53 PM	83501
2,6-Dinitrotoluene	ND	0.011		mg/L	1	07/13/2022 6:53 PM	83501
2-Chloronaphthalene	ND	0.011		mg/L	1	07/13/2022 6:53 PM	83501
2-Chlorophenol	ND	0.011		mg/L	1	07/13/2022 6:53 PM	83501
2-Methylnaphthalene	ND	0.011		mg/L	1	07/13/2022 6:53 PM	83501
2-Nitroaniline	ND	0.011		mg/L	1	07/13/2022 6:53 PM	83501
2-Nitrophenol	ND	0.011		mg/L	1	07/13/2022 6:53 PM	83501
3,3-Dichlorobenzidine	ND	0.011		mg/L	1	07/13/2022 6:53 PM	83501
3-Nitroaniline	ND	0.011		mg/L	1	07/13/2022 6:53 PM	83501
4,6-Dinitro-2-methylphenol	ND	0.011		mg/L	1	07/13/2022 6:53 PM	83501
4-Bromophenyl phenyl ether	ND	0.011		mg/L	1	07/13/2022 6:53 PM	83501
4-Chloro-3-methylphenol	ND	0.011		mg/L	1	07/13/2022 6:53 PM	83501
4-Chloroaniline	ND	0.011		mg/L	1	07/13/2022 6:53 PM	83501
4-Chlorophenyl phenyl ether	ND	0.011		mg/L	1	07/13/2022 6:53 PM	83501



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Laboratory Results

Client ID: Midwest Environmental Consulting Serv.

Report Date: July 18, 2022

Project Name: 6506 National Street Union IL

Workorder: 2207489

Client Sample ID: MW-1

Matrix: GROUNDWATER

Lab ID: 2207489-005

Date Received: 07/08/2022 1:29 PM

Collection Date: 07/08/2022 10:00 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
SEMIVOLATILE ORGANICS (BNAS)		Method: EPA-8270C-Rev 3, Dec-96		Analyst: BM			
4-Nitroaniline	ND	0.011		mg/L	1	07/13/2022 6:53 PM	83501
4-Nitrophenol	ND	0.011		mg/L	1	07/13/2022 6:53 PM	83501
Bis(2-chloroethoxy)methane	ND	0.011		mg/L	1	07/13/2022 6:53 PM	83501
Bis(2-chloroethyl)ether	ND	0.011		mg/L	1	07/13/2022 6:53 PM	83501
Bis(2-chloroisopropyl)ether	ND	0.011		mg/L	1	07/13/2022 6:53 PM	83501
Bis(2-ethylhexyl)phthalate	ND	0.011		mg/L	1	07/13/2022 6:53 PM	83501
Butyl benzyl phthalate	ND	0.011		mg/L	1	07/13/2022 6:53 PM	83501
Carbazole	ND	0.011		mg/L	1	07/13/2022 6:53 PM	83501
Dibenzofuran	ND	0.011		mg/L	1	07/13/2022 6:53 PM	83501
Diethyl phthalate	ND	0.011		mg/L	1	07/13/2022 6:53 PM	83501
Dimethyl phthalate	ND	0.011	S	mg/L	1	07/13/2022 6:53 PM	83501
Di-n-butyl phthalate	ND	0.011		mg/L	1	07/13/2022 6:53 PM	83501
Di-n-octyl phthalate	ND	0.011		mg/L	1	07/13/2022 6:53 PM	83501
Hexachlorobenzene	ND	0.011		mg/L	1	07/13/2022 6:53 PM	83501
Hexachlorobutadiene	ND	0.011		mg/L	1	07/13/2022 6:53 PM	83501
Hexachlorocyclopentadiene	ND	0.011	S	mg/L	1	07/13/2022 6:53 PM	83501
Hexachloroethane	ND	0.011		mg/L	1	07/13/2022 6:53 PM	83501
Isophorone	ND	0.011		mg/L	1	07/13/2022 6:53 PM	83501
m,p-Cresol	ND	0.011		mg/L	1	07/13/2022 6:53 PM	83501
Nitrobenzene	ND	0.011		mg/L	1	07/13/2022 6:53 PM	83501
N-Nitroso-di-n-propylamine	ND	0.011		mg/L	1	07/13/2022 6:53 PM	83501
N-Nitrosodiphenylamine	ND	0.011		mg/L	1	07/13/2022 6:53 PM	83501
o-Cresol	ND	0.011		mg/L	1	07/13/2022 6:53 PM	83501
Pentachlorophenol	ND	0.011		mg/L	1	07/13/2022 6:53 PM	83501
Phenol	ND	0.011		mg/L	1	07/13/2022 6:53 PM	83501
<u>Internal Quality Control Compounds</u>							
SS: 2,4,6-Tribromophenol	67.0	36.6-133		%Rec	1	07/13/2022 6:53 PM	83501
SS: 2-Fluorobiphenyl	60.8	26.8-113		%Rec	1	07/13/2022 6:53 PM	83501
SS: 2-Fluorophenol	44.8	0.1-110		%Rec	1	07/13/2022 6:53 PM	83501
SS: 4-Terphenyl-d14	79.0	31.3-152		%Rec	1	07/13/2022 6:53 PM	83501
SS: Nitrobenzene-d5	53.6	13.8-115		%Rec	1	07/13/2022 6:53 PM	83501
SS: Phenol-d6	27.6	1.14-110		%Rec	1	07/13/2022 6:53 PM	83501
SEMIVOLATILE ORGANICS, BY GCMS SIM		Method: EPA-8270C-Rev 3, Dec-96		Analyst: BM			
Acenaphthene	ND	0.000101		mg/L	1	07/11/2022 4:36 PM	83445
Acenaphthylene	ND	0.000101		mg/L	1	07/11/2022 4:36 PM	83445
Anthracene	ND	0.000101		mg/L	1	07/11/2022 4:36 PM	83445
Benzo(a)anthracene	ND	0.000101		mg/L	1	07/11/2022 4:36 PM	83445



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Laboratory Results

Client ID: Midwest Environmental Consulting Serv.

Report Date: July 18, 2022

Project Name: 6506 National Street Union IL

Workorder: 2207489

Client Sample ID: MW-1

Matrix: GROUNDWATER

Lab ID: 2207489-005

Date Received: 07/08/2022 1:29 PM

Collection Date: 07/08/2022 10:00 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
SEMIVOLATILE ORGANICS, BY GCMS SIM		Method: EPA-8270C-Rev 3, Dec-96		Analyst: BM			
Benzo(a)pyrene	ND	0.000101		mg/L	1	07/11/2022 4:36 PM	83445
Benzo(b)fluoranthene	ND	0.000101		mg/L	1	07/11/2022 4:36 PM	83445
Benzo(g,h,i)perylene	ND	0.000101		mg/L	1	07/11/2022 4:36 PM	83445
Benzo(k)fluoranthene	ND	0.000101		mg/L	1	07/11/2022 4:36 PM	83445
Chrysene	ND	0.000101		mg/L	1	07/11/2022 4:36 PM	83445
Dibenzo(a,h)anthracene	ND	0.000101		mg/L	1	07/11/2022 4:36 PM	83445
Fluoranthene	ND	0.000101		mg/L	1	07/11/2022 4:36 PM	83445
Fluorene	ND	0.000101		mg/L	1	07/11/2022 4:36 PM	83445
Indeno(1,2,3-cd)pyrene	ND	0.000101		mg/L	1	07/11/2022 4:36 PM	83445
Naphthalene	ND	0.000101		mg/L	1	07/11/2022 4:36 PM	83445
Phenanthrene	ND	0.000101		mg/L	1	07/11/2022 4:36 PM	83445
Pyrene	0.000155	0.000101		mg/L	1	07/11/2022 4:36 PM	83445
<u>Internal Quality Control Compounds</u>							
SS: 2-Fluorobiphenyl	83.0	34-116		%Rec	200	07/11/2022 11:07 PM	83445
SS: 4-Terphenyl-d14	45.6	14-149		%Rec	200	07/11/2022 11:07 PM	83445
SS: Nitrobenzene-d5	75.9	26-144		%Rec	200	07/11/2022 11:07 PM	83445
MERCURY BY CVAA		Method: EPA-SW7470A-Rev 1, Sep-94		Analyst: MTS			
Mercury	ND	0.00009		mg/L	1	07/09/2022 1:23 PM	83424
PH (IN LABORATORY) <ATC>		Method: EPA-SW9040B-Rev 3, Jan-95		Analyst: CSS			
pH	8.43	1.00	VV c	pH Units	1	07/13/2022 3:02 PM	R151143
Temperature	21.8	0	V	°C	1	07/13/2022 3:02 PM	R151143



Suburban Laboratories, Inc.

1950 S. Batavia Ave., Suite 150, Geneva, IL 60134 (708) 544-3260

Laboratory Results

Client ID: Midwest Environmental Consulting Serv.

Report Date: July 18, 2022

Project Name: 6506 National Street Union IL

Workorder: 2207489

Client Sample ID: MW-2

Matrix: GROUNDWATER

Lab ID: 2207489-006

Date Received: 07/08/2022 1:29 PM

Collection Date: 07/08/2022 11:15 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
METALS BY ICP		Method: EPA-SW6010B-Rev 2, Dec-96				Analyst: SCT	
Arsenic	0.0132	0.0100	J	mg/L	1	07/15/2022 11:35 AM	83485
Barium	ND	0.250		mg/L	1	07/15/2022 11:35 AM	83485
Cadmium	ND	0.00100		mg/L	1	07/15/2022 11:35 AM	83485
Chromium	ND	0.0250		mg/L	1	07/15/2022 11:35 AM	83485
Lead	0.00819	0.00500		mg/L	1	07/15/2022 11:35 AM	83485
Selenium	ND	0.0250		mg/L	1	07/15/2022 11:35 AM	83485
Silver	ND	0.0250		mg/L	1	07/15/2022 11:35 AM	83485
VOLATILE ORGANIC COMPOUNDS		Method: EPA-SW8260B-Rev 2, Dec-96				Analyst: RY	
1,1,1-Trichloroethane	ND	0.00100		mg/L	1	07/08/2022 4:07 PM	R151052
1,1,2,2-Tetrachloroethane	ND	0.00100		mg/L	1	07/08/2022 4:07 PM	R151052
1,1,2-Trichloroethane	ND	0.00100		mg/L	1	07/08/2022 4:07 PM	R151052
1,1-Dichloroethane	ND	0.00100		mg/L	1	07/08/2022 4:07 PM	R151052
1,1-Dichloroethene	ND	0.00100		mg/L	1	07/08/2022 4:07 PM	R151052
1,2-Dichloroethane	ND	0.00100		mg/L	1	07/08/2022 4:07 PM	R151052
1,2-Dichloropropane	ND	0.00100		mg/L	1	07/08/2022 4:07 PM	R151052
2-Butanone	ND	0.0100		mg/L	1	07/08/2022 4:07 PM	R151052
2-Hexanone	ND	0.0250		mg/L	1	07/08/2022 4:07 PM	R151052
4-Methyl-2-pentanone	ND	0.0250		mg/L	1	07/08/2022 4:07 PM	R151052
Acetone	ND	0.0250		mg/L	1	07/08/2022 4:07 PM	R151052
Benzene	ND	0.00100		mg/L	1	07/08/2022 4:07 PM	R151052
Bromodichloromethane	ND	0.00100		mg/L	1	07/08/2022 4:07 PM	R151052
Bromoform	ND	0.00100		mg/L	1	07/08/2022 4:07 PM	R151052
Bromomethane	ND	0.00100		mg/L	1	07/08/2022 4:07 PM	R151052
Carbon disulfide	ND	0.00100		mg/L	1	07/08/2022 4:07 PM	R151052
Carbon tetrachloride	ND	0.00100		mg/L	1	07/08/2022 4:07 PM	R151052
Chlorobenzene	ND	0.00100		mg/L	1	07/08/2022 4:07 PM	R151052
Chloroethane	ND	0.00100		mg/L	1	07/08/2022 4:07 PM	R151052
Chloroform	ND	0.00100		mg/L	1	07/08/2022 4:07 PM	R151052
Chloromethane	ND	0.00100		mg/L	1	07/08/2022 4:07 PM	R151052
cis-1,2-Dichloroethene	ND	0.00100		mg/L	1	07/08/2022 4:07 PM	R151052
cis-1,3-Dichloropropene	ND	0.00100		mg/L	1	07/08/2022 4:07 PM	R151052
Dibromochloromethane	ND	0.00100		mg/L	1	07/08/2022 4:07 PM	R151052
Ethylbenzene	ND	0.00100		mg/L	1	07/08/2022 4:07 PM	R151052
m,p-Xylene	ND	0.00200		mg/L	1	07/08/2022 4:07 PM	R151052
Methyl tert-butyl ether	ND	0.00100		mg/L	1	07/08/2022 4:07 PM	R151052
Methylene chloride	ND	0.00500		mg/L	1	07/08/2022 4:07 PM	R151052



Suburban Laboratories, Inc.

1950 S. Batavia Ave., Suite 150, Geneva, IL 60134 (708) 544-3260

Laboratory Results

Client ID: Midwest Environmental Consulting Serv.

Report Date: July 18, 2022

Project Name: 6506 National Street Union IL

Workorder: 2207489

Client Sample ID: MW-2

Matrix: GROUNDWATER

Lab ID: 2207489-006

Date Received: 07/08/2022 1:29 PM

Collection Date: 07/08/2022 11:15 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
VOLATILE ORGANIC COMPOUNDS		Method: EPA-SW8260B-Rev 2, Dec-96			Analyst: RY		
o-Xylene	ND	0.00100		mg/L	1	07/08/2022 4:07 PM	R151052
Total Xylenes	ND	0.00200		mg/L	1	07/08/2022 4:07 PM	R151052
Styrene	ND	0.00100		mg/L	1	07/08/2022 4:07 PM	R151052
Tetrachloroethene	ND	0.00100		mg/L	1	07/08/2022 4:07 PM	R151052
Toluene	ND	0.00100		mg/L	1	07/08/2022 4:07 PM	R151052
trans-1,2-Dichloroethene	ND	0.00100		mg/L	1	07/08/2022 4:07 PM	R151052
trans-1,3-Dichloropropene	ND	0.00100		mg/L	1	07/08/2022 4:07 PM	R151052
Trichloroethene	ND	0.00100		mg/L	1	07/08/2022 4:07 PM	R151052
Vinyl chloride	ND	0.00100		mg/L	1	07/08/2022 4:07 PM	R151052
<u>Internal Quality Control Compounds</u>							
SS: 4-Bromofluorobenzene	113	80-130		%Rec	1	07/08/2022 4:07 PM	R151052
SS: Dibromofluoromethane	108	76.1-120		%Rec	1	07/08/2022 4:07 PM	R151052
SS: Toluene-d8	108	85-115		%Rec	1	07/08/2022 4:07 PM	R151052
SEMIVOLATILE ORGANICS (BNAS)		Method: EPA-8270C-Rev 3, Dec-96			Analyst: BM		
1,2,4-Trichlorobenzene	ND	0.011		mg/L	1	07/13/2022 7:25 PM	83501
1,2-Dichlorobenzene	ND	0.011		mg/L	1	07/13/2022 7:25 PM	83501
1,3-Dichlorobenzene	ND	0.011		mg/L	1	07/13/2022 7:25 PM	83501
1,4-Dichlorobenzene	ND	0.011		mg/L	1	07/13/2022 7:25 PM	83501
2,4,5-Trichlorophenol	ND	0.011		mg/L	1	07/13/2022 7:25 PM	83501
2,4,6-Trichlorophenol	ND	0.011		mg/L	1	07/13/2022 7:25 PM	83501
2,4-Dichlorophenol	ND	0.011		mg/L	1	07/13/2022 7:25 PM	83501
2,4-Dimethylphenol	ND	0.011		mg/L	1	07/13/2022 7:25 PM	83501
2,4-Dinitrophenol	ND	0.011	S	mg/L	1	07/13/2022 7:25 PM	83501
2,4-Dinitrotoluene	ND	0.011		mg/L	1	07/13/2022 7:25 PM	83501
2,6-Dinitrotoluene	ND	0.011		mg/L	1	07/13/2022 7:25 PM	83501
2-Chloronaphthalene	ND	0.011		mg/L	1	07/13/2022 7:25 PM	83501
2-Chlorophenol	ND	0.011		mg/L	1	07/13/2022 7:25 PM	83501
2-Methylnaphthalene	ND	0.011		mg/L	1	07/13/2022 7:25 PM	83501
2-Nitroaniline	ND	0.011		mg/L	1	07/13/2022 7:25 PM	83501
2-Nitrophenol	ND	0.011		mg/L	1	07/13/2022 7:25 PM	83501
3,3-Dichlorobenzidine	ND	0.011		mg/L	1	07/13/2022 7:25 PM	83501
3-Nitroaniline	ND	0.011		mg/L	1	07/13/2022 7:25 PM	83501
4,6-Dinitro-2-methylphenol	ND	0.011		mg/L	1	07/13/2022 7:25 PM	83501
4-Bromophenyl phenyl ether	ND	0.011		mg/L	1	07/13/2022 7:25 PM	83501
4-Chloro-3-methylphenol	ND	0.011		mg/L	1	07/13/2022 7:25 PM	83501
4-Chloroaniline	ND	0.011		mg/L	1	07/13/2022 7:25 PM	83501
4-Chlorophenyl phenyl ether	ND	0.011		mg/L	1	07/13/2022 7:25 PM	83501



Suburban Laboratories, Inc.

1950 S. Batavia Ave., Suite 150, Geneva, IL 60134 (708) 544-3260

Laboratory Results

Client ID: Midwest Environmental Consulting Serv.

Report Date: July 18, 2022

Project Name: 6506 National Street Union IL

Workorder: 2207489

Client Sample ID: MW-2

Matrix: GROUNDWATER

Lab ID: 2207489-006

Date Received: 07/08/2022 1:29 PM

Collection Date: 07/08/2022 11:15 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
SEMIVOLATILE ORGANICS (BNAS)		Method: EPA-8270C-Rev 3, Dec-96			Analyst: BM		
4-Nitroaniline	ND	0.011		mg/L	1	07/13/2022 7:25 PM	83501
4-Nitrophenol	ND	0.011		mg/L	1	07/13/2022 7:25 PM	83501
Bis(2-chloroethoxy)methane	ND	0.011		mg/L	1	07/13/2022 7:25 PM	83501
Bis(2-chloroethyl)ether	ND	0.011		mg/L	1	07/13/2022 7:25 PM	83501
Bis(2-chloroisopropyl)ether	ND	0.011		mg/L	1	07/13/2022 7:25 PM	83501
Bis(2-ethylhexyl)phthalate	ND	0.011		mg/L	1	07/13/2022 7:25 PM	83501
Butyl benzyl phthalate	ND	0.011		mg/L	1	07/13/2022 7:25 PM	83501
Carbazole	ND	0.011		mg/L	1	07/13/2022 7:25 PM	83501
Dibenzofuran	ND	0.011		mg/L	1	07/13/2022 7:25 PM	83501
Diethyl phthalate	ND	0.011		mg/L	1	07/13/2022 7:25 PM	83501
Dimethyl phthalate	ND	0.011	S	mg/L	1	07/13/2022 7:25 PM	83501
Di-n-butyl phthalate	ND	0.011		mg/L	1	07/13/2022 7:25 PM	83501
Di-n-octyl phthalate	ND	0.011		mg/L	1	07/13/2022 7:25 PM	83501
Hexachlorobenzene	ND	0.011		mg/L	1	07/13/2022 7:25 PM	83501
Hexachlorobutadiene	ND	0.011		mg/L	1	07/13/2022 7:25 PM	83501
Hexachlorocyclopentadiene	ND	0.011	S	mg/L	1	07/13/2022 7:25 PM	83501
Hexachloroethane	ND	0.011		mg/L	1	07/13/2022 7:25 PM	83501
Isophorone	ND	0.011		mg/L	1	07/13/2022 7:25 PM	83501
m,p-Cresol	ND	0.011		mg/L	1	07/13/2022 7:25 PM	83501
Nitrobenzene	ND	0.011		mg/L	1	07/13/2022 7:25 PM	83501
N-Nitroso-di-n-propylamine	ND	0.011		mg/L	1	07/13/2022 7:25 PM	83501
N-Nitrosodiphenylamine	ND	0.011		mg/L	1	07/13/2022 7:25 PM	83501
o-Cresol	ND	0.011		mg/L	1	07/13/2022 7:25 PM	83501
Pentachlorophenol	ND	0.011		mg/L	1	07/13/2022 7:25 PM	83501
Phenol	ND	0.011		mg/L	1	07/13/2022 7:25 PM	83501
<u>Internal Quality Control Compounds</u>							
SS: 2,4,6-Tribromophenol	51.1	36.6-133		%Rec	1	07/13/2022 7:25 PM	83501
SS: 2-Fluorobiphenyl	70.7	26.8-113		%Rec	1	07/13/2022 7:25 PM	83501
SS: 2-Fluorophenol	45.4	0.1-110		%Rec	1	07/13/2022 7:25 PM	83501
SS: 4-Terphenyl-d14	94.2	31.3-152		%Rec	1	07/13/2022 7:25 PM	83501
SS: Nitrobenzene-d5	61.4	13.8-115		%Rec	1	07/13/2022 7:25 PM	83501
SS: Phenol-d6	28.2	1.14-110		%Rec	1	07/13/2022 7:25 PM	83501
SEMIVOLATILE ORGANICS, BY GCMS SIM		Method: EPA-8270C-Rev 3, Dec-96			Analyst: BM		
Acenaphthene	ND	0.000106		mg/L	1	07/11/2022 5:09 PM	83445
Acenaphthylene	ND	0.000106		mg/L	1	07/11/2022 5:09 PM	83445
Anthracene	0.000107	0.000106		mg/L	1	07/11/2022 5:09 PM	83445
Benzo(a)anthracene	ND	0.000106		mg/L	1	07/11/2022 5:09 PM	83445



Suburban Laboratories, Inc.

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Laboratory Results

Client ID: Midwest Environmental Consulting Serv.

Report Date: July 18, 2022

Project Name: 6506 National Street Union IL

Workorder: 2207489

Client Sample ID: MW-2

Matrix: GROUNDWATER

Lab ID: 2207489-006

Date Received: 07/08/2022 1:29 PM

Collection Date: 07/08/2022 11:15 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
SEMIVOLATILE ORGANICS, BY GCMS SIM		Method: EPA-8270C-Rev 3, Dec-96		Analyst: BM			
Benzo(a)pyrene	ND	0.000106		mg/L	1	07/11/2022 5:09 PM	83445
Benzo(b)fluoranthene	ND	0.000106		mg/L	1	07/11/2022 5:09 PM	83445
Benzo(g,h,i)perylene	ND	0.000106		mg/L	1	07/11/2022 5:09 PM	83445
Benzo(k)fluoranthene	ND	0.000106		mg/L	1	07/11/2022 5:09 PM	83445
Chrysene	ND	0.000106		mg/L	1	07/11/2022 5:09 PM	83445
Dibenzo(a,h)anthracene	ND	0.000106		mg/L	1	07/11/2022 5:09 PM	83445
Fluoranthene	ND	0.000106		mg/L	1	07/11/2022 5:09 PM	83445
Fluorene	ND	0.000106		mg/L	1	07/11/2022 5:09 PM	83445
Indeno(1,2,3-cd)pyrene	ND	0.000106		mg/L	1	07/11/2022 5:09 PM	83445
Naphthalene	ND	0.000106		mg/L	1	07/11/2022 5:09 PM	83445
Phenanthrene	ND	0.000106		mg/L	1	07/11/2022 5:09 PM	83445
Pyrene	ND	0.000106		mg/L	1	07/11/2022 5:09 PM	83445
<u>Internal Quality Control Compounds</u>							
SS: 2-Fluorobiphenyl	81.3	34-116		%Rec	200	07/11/2022 11:40 PM	83445
SS: 4-Terphenyl-d14	41.3	14-149		%Rec	200	07/11/2022 11:40 PM	83445
SS: Nitrobenzene-d5	73.2	26-144		%Rec	200	07/11/2022 11:40 PM	83445
MERCURY BY CVAA		Method: EPA-SW7470A-Rev 1, Sep-94		Analyst: MTS			
Mercury	ND	0.00009		mg/L	1	07/09/2022 1:27 PM	83424
PH (IN LABORATORY) <ATC>		Method: EPA-SW9040B-Rev 3, Jan-95		Analyst: CSS			
pH	8.18	1.00	VV c	pH Units	1	07/13/2022 3:55 PM	R151143
Temperature	22.5	0	V	°C	1	07/13/2022 3:55 PM	R151143



Suburban Laboratories, Inc.

1950 S. Batavia Ave., Suite 150, Geneva, IL 60134 (708) 544-3260

Laboratory Results

Client ID: Midwest Environmental Consulting Serv.

Report Date: July 18, 2022

Project Name: 6506 National Street Union IL

Workorder: 2207489

Client Sample ID: MW-3

Matrix: GROUNDWATER

Lab ID: 2207489-007

Date Received: 07/08/2022 1:29 PM

Collection Date: 07/08/2022 11:40 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
METALS BY ICP		Method: EPA-SW6010B-Rev 2, Dec-96				Analyst: SCT	
Arsenic	ND	0.0100		mg/L	1	07/15/2022 11:40 AM	83485
Barium	ND	0.250		mg/L	1	07/15/2022 11:40 AM	83485
Cadmium	ND	0.00100		mg/L	1	07/15/2022 11:40 AM	83485
Chromium	ND	0.0250		mg/L	1	07/15/2022 11:40 AM	83485
Lead	0.00867	0.00500		mg/L	1	07/15/2022 11:40 AM	83485
Selenium	ND	0.0250		mg/L	1	07/15/2022 11:40 AM	83485
Silver	ND	0.0250		mg/L	1	07/15/2022 11:40 AM	83485
VOLATILE ORGANIC COMPOUNDS		Method: EPA-SW8260B-Rev 2, Dec-96				Analyst: RY	
1,1,1-Trichloroethane	ND	0.00100		mg/L	1	07/08/2022 4:33 PM	R151052
1,1,2,2-Tetrachloroethane	ND	0.00100		mg/L	1	07/08/2022 4:33 PM	R151052
1,1,2-Trichloroethane	ND	0.00100		mg/L	1	07/08/2022 4:33 PM	R151052
1,1-Dichloroethane	ND	0.00100		mg/L	1	07/08/2022 4:33 PM	R151052
1,1-Dichloroethene	ND	0.00100		mg/L	1	07/08/2022 4:33 PM	R151052
1,2-Dichloroethane	ND	0.00100		mg/L	1	07/08/2022 4:33 PM	R151052
1,2-Dichloropropane	ND	0.00100		mg/L	1	07/08/2022 4:33 PM	R151052
2-Butanone	ND	0.0100		mg/L	1	07/08/2022 4:33 PM	R151052
2-Hexanone	ND	0.0250		mg/L	1	07/08/2022 4:33 PM	R151052
4-Methyl-2-pentanone	ND	0.0250		mg/L	1	07/08/2022 4:33 PM	R151052
Acetone	ND	0.0250		mg/L	1	07/08/2022 4:33 PM	R151052
Benzene	ND	0.00100		mg/L	1	07/08/2022 4:33 PM	R151052
Bromodichloromethane	ND	0.00100		mg/L	1	07/08/2022 4:33 PM	R151052
Bromoform	ND	0.00100		mg/L	1	07/08/2022 4:33 PM	R151052
Bromomethane	ND	0.00100		mg/L	1	07/08/2022 4:33 PM	R151052
Carbon disulfide	ND	0.00100		mg/L	1	07/08/2022 4:33 PM	R151052
Carbon tetrachloride	ND	0.00100		mg/L	1	07/08/2022 4:33 PM	R151052
Chlorobenzene	ND	0.00100		mg/L	1	07/08/2022 4:33 PM	R151052
Chloroethane	ND	0.00100		mg/L	1	07/08/2022 4:33 PM	R151052
Chloroform	ND	0.00100		mg/L	1	07/08/2022 4:33 PM	R151052
Chloromethane	ND	0.00100		mg/L	1	07/08/2022 4:33 PM	R151052
cis-1,2-Dichloroethene	ND	0.00100		mg/L	1	07/08/2022 4:33 PM	R151052
cis-1,3-Dichloropropene	ND	0.00100		mg/L	1	07/08/2022 4:33 PM	R151052
Dibromochloromethane	ND	0.00100		mg/L	1	07/08/2022 4:33 PM	R151052
Ethylbenzene	ND	0.00100		mg/L	1	07/08/2022 4:33 PM	R151052
m,p-Xylene	ND	0.00200		mg/L	1	07/08/2022 4:33 PM	R151052
Methyl tert-butyl ether	ND	0.00100		mg/L	1	07/08/2022 4:33 PM	R151052
Methylene chloride	ND	0.00500		mg/L	1	07/08/2022 4:33 PM	R151052



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Laboratory Results

Client ID: Midwest Environmental Consulting Serv.

Report Date: July 18, 2022

Project Name: 6506 National Street Union IL

Workorder: 2207489

Client Sample ID: MW-3

Matrix: GROUNDWATER

Lab ID: 2207489-007

Date Received: 07/08/2022 1:29 PM

Collection Date: 07/08/2022 11:40 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
VOLATILE ORGANIC COMPOUNDS		Method: EPA-SW8260B-Rev 2, Dec-96			Analyst: RY		
o-Xylene	ND	0.00100		mg/L	1	07/08/2022 4:33 PM	R151052
Total Xylenes	ND	0.00200		mg/L	1	07/08/2022 4:33 PM	R151052
Styrene	ND	0.00100		mg/L	1	07/08/2022 4:33 PM	R151052
Tetrachloroethene	ND	0.00100		mg/L	1	07/08/2022 4:33 PM	R151052
Toluene	ND	0.00100		mg/L	1	07/08/2022 4:33 PM	R151052
trans-1,2-Dichloroethene	ND	0.00100		mg/L	1	07/08/2022 4:33 PM	R151052
trans-1,3-Dichloropropene	ND	0.00100		mg/L	1	07/08/2022 4:33 PM	R151052
Trichloroethene	ND	0.00100		mg/L	1	07/08/2022 4:33 PM	R151052
Vinyl chloride	ND	0.00100		mg/L	1	07/08/2022 4:33 PM	R151052
<u>Internal Quality Control Compounds</u>							
SS: 4-Bromofluorobenzene	112	80-130		%Rec	1	07/08/2022 4:33 PM	R151052
SS: Dibromofluoromethane	107	76.1-120		%Rec	1	07/08/2022 4:33 PM	R151052
SS: Toluene-d8	107	85-115		%Rec	1	07/08/2022 4:33 PM	R151052
SEMIVOLATILE ORGANICS (BNAS)		Method: EPA-8270C-Rev 3, Dec-96			Analyst: BM		
1,2,4-Trichlorobenzene	ND	0.011		mg/L	1	07/13/2022 7:56 PM	83501
1,2-Dichlorobenzene	ND	0.011		mg/L	1	07/13/2022 7:56 PM	83501
1,3-Dichlorobenzene	ND	0.011		mg/L	1	07/13/2022 7:56 PM	83501
1,4-Dichlorobenzene	ND	0.011		mg/L	1	07/13/2022 7:56 PM	83501
2,4,5-Trichlorophenol	ND	0.011		mg/L	1	07/13/2022 7:56 PM	83501
2,4,6-Trichlorophenol	ND	0.011		mg/L	1	07/13/2022 7:56 PM	83501
2,4-Dichlorophenol	ND	0.011		mg/L	1	07/13/2022 7:56 PM	83501
2,4-Dimethylphenol	ND	0.011		mg/L	1	07/13/2022 7:56 PM	83501
2,4-Dinitrophenol	ND	0.011	S	mg/L	1	07/13/2022 7:56 PM	83501
2,4-Dinitrotoluene	ND	0.011		mg/L	1	07/13/2022 7:56 PM	83501
2,6-Dinitrotoluene	ND	0.011		mg/L	1	07/13/2022 7:56 PM	83501
2-Chloronaphthalene	ND	0.011		mg/L	1	07/13/2022 7:56 PM	83501
2-Chlorophenol	ND	0.011		mg/L	1	07/13/2022 7:56 PM	83501
2-Methylnaphthalene	ND	0.011		mg/L	1	07/13/2022 7:56 PM	83501
2-Nitroaniline	ND	0.011		mg/L	1	07/13/2022 7:56 PM	83501
2-Nitrophenol	ND	0.011		mg/L	1	07/13/2022 7:56 PM	83501
3,3-Dichlorobenzidine	ND	0.011		mg/L	1	07/13/2022 7:56 PM	83501
3-Nitroaniline	ND	0.011		mg/L	1	07/13/2022 7:56 PM	83501
4,6-Dinitro-2-methylphenol	ND	0.011		mg/L	1	07/13/2022 7:56 PM	83501
4-Bromophenyl phenyl ether	ND	0.011		mg/L	1	07/13/2022 7:56 PM	83501
4-Chloro-3-methylphenol	ND	0.011		mg/L	1	07/13/2022 7:56 PM	83501
4-Chloroaniline	ND	0.011		mg/L	1	07/13/2022 7:56 PM	83501
4-Chlorophenyl phenyl ether	ND	0.011		mg/L	1	07/13/2022 7:56 PM	83501



Suburban Laboratories, Inc.

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Laboratory Results

Client ID: Midwest Environmental Consulting Serv.

Report Date: July 18, 2022

Project Name: 6506 National Street Union IL

Workorder: 2207489

Client Sample ID: MW-3

Matrix: GROUNDWATER

Lab ID: 2207489-007

Date Received: 07/08/2022 1:29 PM

Collection Date: 07/08/2022 11:40 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
SEMIVOLATILE ORGANICS (BNAS)		Method: EPA-8270C-Rev 3, Dec-96				Analyst: BM	
4-Nitroaniline	ND	0.011		mg/L	1	07/13/2022 7:56 PM	83501
4-Nitrophenol	ND	0.011		mg/L	1	07/13/2022 7:56 PM	83501
Bis(2-chloroethoxy)methane	ND	0.011		mg/L	1	07/13/2022 7:56 PM	83501
Bis(2-chloroethyl)ether	ND	0.011		mg/L	1	07/13/2022 7:56 PM	83501
Bis(2-chloroisopropyl)ether	ND	0.011		mg/L	1	07/13/2022 7:56 PM	83501
Bis(2-ethylhexyl)phthalate	ND	0.011		mg/L	1	07/13/2022 7:56 PM	83501
Butyl benzyl phthalate	ND	0.011		mg/L	1	07/13/2022 7:56 PM	83501
Carbazole	ND	0.011		mg/L	1	07/13/2022 7:56 PM	83501
Dibenzofuran	ND	0.011		mg/L	1	07/13/2022 7:56 PM	83501
Diethyl phthalate	ND	0.011		mg/L	1	07/13/2022 7:56 PM	83501
Dimethyl phthalate	ND	0.011	S	mg/L	1	07/13/2022 7:56 PM	83501
Di-n-butyl phthalate	ND	0.011		mg/L	1	07/13/2022 7:56 PM	83501
Di-n-octyl phthalate	ND	0.011		mg/L	1	07/13/2022 7:56 PM	83501
Hexachlorobenzene	ND	0.011		mg/L	1	07/13/2022 7:56 PM	83501
Hexachlorobutadiene	ND	0.011		mg/L	1	07/13/2022 7:56 PM	83501
Hexachlorocyclopentadiene	ND	0.011	S	mg/L	1	07/13/2022 7:56 PM	83501
Hexachloroethane	ND	0.011		mg/L	1	07/13/2022 7:56 PM	83501
Isophorone	ND	0.011		mg/L	1	07/13/2022 7:56 PM	83501
m,p-Cresol	ND	0.011		mg/L	1	07/13/2022 7:56 PM	83501
Nitrobenzene	ND	0.011		mg/L	1	07/13/2022 7:56 PM	83501
N-Nitroso-di-n-propylamine	ND	0.011		mg/L	1	07/13/2022 7:56 PM	83501
N-Nitrosodiphenylamine	ND	0.011		mg/L	1	07/13/2022 7:56 PM	83501
o-Cresol	ND	0.011		mg/L	1	07/13/2022 7:56 PM	83501
Pentachlorophenol	ND	0.011		mg/L	1	07/13/2022 7:56 PM	83501
Phenol	ND	0.011		mg/L	1	07/13/2022 7:56 PM	83501
<u>Internal Quality Control Compounds</u>							
SS: 2,4,6-Tribromophenol	56.4	36.6-133		%Rec	1	07/13/2022 7:56 PM	83501
SS: 2-Fluorobiphenyl	65.8	26.8-113		%Rec	1	07/13/2022 7:56 PM	83501
SS: 2-Fluorophenol	37.8	0.1-110		%Rec	1	07/13/2022 7:56 PM	83501
SS: 4-Terphenyl-d14	87.5	31.3-152		%Rec	1	07/13/2022 7:56 PM	83501
SS: Nitrobenzene-d5	63.2	13.8-115		%Rec	1	07/13/2022 7:56 PM	83501
SS: Phenol-d6	24.3	1.14-110		%Rec	1	07/13/2022 7:56 PM	83501
SEMIVOLATILE ORGANICS, BY GCMS SIM		Method: EPA-8270C-Rev 3, Dec-96				Analyst: BM	
Acenaphthene	ND	0.000104		mg/L	1	07/11/2022 5:42 PM	83445
Acenaphthylene	ND	0.000104		mg/L	1	07/11/2022 5:42 PM	83445
Anthracene	ND	0.000104		mg/L	1	07/11/2022 5:42 PM	83445
Benzo(a)anthracene	ND	0.000104		mg/L	1	07/11/2022 5:42 PM	83445



Suburban Laboratories, Inc.

1950 S. Batavia Ave., Suite 150, Geneva, IL 60134 (708) 544-3260

Laboratory Results

Client ID: Midwest Environmental Consulting Serv.

Report Date: July 18, 2022

Project Name: 6506 National Street Union IL

Workorder: 2207489

Client Sample ID: MW-3

Matrix: GROUNDWATER

Lab ID: 2207489-007

Date Received: 07/08/2022 1:29 PM

Collection Date: 07/08/2022 11:40 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
SEMIVOLATILE ORGANICS, BY GCMS SIM		Method: EPA-8270C-Rev 3, Dec-96		Analyst: BM			
Benzo(a)pyrene	ND	0.000104		mg/L	1	07/11/2022 5:42 PM	83445
Benzo(b)fluoranthene	ND	0.000104		mg/L	1	07/11/2022 5:42 PM	83445
Benzo(g,h,i)perylene	ND	0.000104		mg/L	1	07/11/2022 5:42 PM	83445
Benzo(k)fluoranthene	ND	0.000104		mg/L	1	07/11/2022 5:42 PM	83445
Chrysene	ND	0.000104		mg/L	1	07/11/2022 5:42 PM	83445
Dibenzo(a,h)anthracene	ND	0.000104		mg/L	1	07/11/2022 5:42 PM	83445
Fluoranthene	ND	0.000104		mg/L	1	07/11/2022 5:42 PM	83445
Fluorene	ND	0.000104		mg/L	1	07/11/2022 5:42 PM	83445
Indeno(1,2,3-cd)pyrene	ND	0.000104		mg/L	1	07/11/2022 5:42 PM	83445
Naphthalene	ND	0.000104		mg/L	1	07/11/2022 5:42 PM	83445
Phenanthrene	ND	0.000104		mg/L	1	07/11/2022 5:42 PM	83445
Pyrene	0.000105	0.000104		mg/L	1	07/11/2022 5:42 PM	83445
<u>Internal Quality Control Compounds</u>							
SS: 2-Fluorobiphenyl	79.2	34-116		%Rec	200	07/12/2022 12:13 AM	83445
SS: 4-Terphenyl-d14	42.0	14-149		%Rec	200	07/12/2022 12:13 AM	83445
SS: Nitrobenzene-d5	69.8	26-144		%Rec	200	07/12/2022 12:13 AM	83445
MERCURY BY CVAA		Method: EPA-SW7470A-Rev 1, Sep-94		Analyst: MTS			
Mercury	ND	0.00009		mg/L	1	07/09/2022 1:30 PM	83424
PH (IN LABORATORY) <ATC>		Method: EPA-SW9040B-Rev 3, Jan-95		Analyst: CSS			
pH	7.95	1.00	VV c	pH Units	1	07/13/2022 4:05 PM	R151143
Temperature	22.5	0	V	°C	1	07/13/2022 4:05 PM	R151143



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Laboratory Results

Client ID: Midwest Environmental Consulting Serv.

Report Date: July 18, 2022

Project Name: 6506 National Street Union IL

Workorder: 2207489

Client Sample ID: MW-4

Matrix: GROUNDWATER

Lab ID: 2207489-008

Date Received: 07/08/2022 1:29 PM

Collection Date: 07/08/2022 12:20 PM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
METALS BY ICP		Method: EPA-SW6010B-Rev 2, Dec-96				Analyst: SCT	
Arsenic	0.0242	0.0100	J	mg/L	1	07/15/2022 11:44 AM	83485
Barium	ND	0.250		mg/L	1	07/15/2022 11:44 AM	83485
Cadmium	ND	0.00100		mg/L	1	07/15/2022 11:44 AM	83485
Chromium	0.0378	0.0250		mg/L	1	07/15/2022 11:44 AM	83485
Lead	0.0237	0.00500		mg/L	1	07/15/2022 11:44 AM	83485
Selenium	ND	0.0250		mg/L	1	07/15/2022 11:44 AM	83485
Silver	ND	0.0250		mg/L	1	07/15/2022 11:44 AM	83485
VOLATILE ORGANIC COMPOUNDS		Method: EPA-SW8260B-Rev 2, Dec-96				Analyst: RY	
1,1,1-Trichloroethane	ND	0.00100		mg/L	1	07/08/2022 4:59 PM	R151052
1,1,2,2-Tetrachloroethane	ND	0.00100		mg/L	1	07/08/2022 4:59 PM	R151052
1,1,2-Trichloroethane	ND	0.00100		mg/L	1	07/08/2022 4:59 PM	R151052
1,1-Dichloroethane	ND	0.00100		mg/L	1	07/08/2022 4:59 PM	R151052
1,1-Dichloroethene	ND	0.00100		mg/L	1	07/08/2022 4:59 PM	R151052
1,2-Dichloroethane	ND	0.00100		mg/L	1	07/08/2022 4:59 PM	R151052
1,2-Dichloropropane	ND	0.00100		mg/L	1	07/08/2022 4:59 PM	R151052
2-Butanone	ND	0.0100		mg/L	1	07/08/2022 4:59 PM	R151052
2-Hexanone	ND	0.0250		mg/L	1	07/08/2022 4:59 PM	R151052
4-Methyl-2-pentanone	ND	0.0250		mg/L	1	07/08/2022 4:59 PM	R151052
Acetone	ND	0.0250		mg/L	1	07/08/2022 4:59 PM	R151052
Benzene	ND	0.00100		mg/L	1	07/08/2022 4:59 PM	R151052
Bromodichloromethane	ND	0.00100		mg/L	1	07/08/2022 4:59 PM	R151052
Bromoform	ND	0.00100		mg/L	1	07/08/2022 4:59 PM	R151052
Bromomethane	ND	0.00100		mg/L	1	07/08/2022 4:59 PM	R151052
Carbon disulfide	ND	0.00100		mg/L	1	07/08/2022 4:59 PM	R151052
Carbon tetrachloride	ND	0.00100		mg/L	1	07/08/2022 4:59 PM	R151052
Chlorobenzene	ND	0.00100		mg/L	1	07/08/2022 4:59 PM	R151052
Chloroethane	ND	0.00100		mg/L	1	07/08/2022 4:59 PM	R151052
Chloroform	ND	0.00100		mg/L	1	07/08/2022 4:59 PM	R151052
Chloromethane	ND	0.00100		mg/L	1	07/08/2022 4:59 PM	R151052
cis-1,2-Dichloroethene	ND	0.00100		mg/L	1	07/08/2022 4:59 PM	R151052
cis-1,3-Dichloropropene	ND	0.00100		mg/L	1	07/08/2022 4:59 PM	R151052
Dibromochloromethane	ND	0.00100		mg/L	1	07/08/2022 4:59 PM	R151052
Ethylbenzene	ND	0.00100		mg/L	1	07/08/2022 4:59 PM	R151052
m,p-Xylene	ND	0.00200		mg/L	1	07/08/2022 4:59 PM	R151052
Methyl tert-butyl ether	ND	0.00100		mg/L	1	07/08/2022 4:59 PM	R151052
Methylene chloride	ND	0.00500		mg/L	1	07/08/2022 4:59 PM	R151052



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Laboratory Results

Client ID: Midwest Environmental Consulting Serv.

Report Date: July 18, 2022

Project Name: 6506 National Street Union IL

Workorder: 2207489

Client Sample ID: MW-4

Matrix: GROUNDWATER

Lab ID: 2207489-008

Date Received: 07/08/2022 1:29 PM

Collection Date: 07/08/2022 12:20 PM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
VOLATILE ORGANIC COMPOUNDS		Method: EPA-SW8260B-Rev 2, Dec-96			Analyst: RY		
o-Xylene	ND	0.00100		mg/L	1	07/08/2022 4:59 PM	R151052
Total Xylenes	ND	0.00200		mg/L	1	07/08/2022 4:59 PM	R151052
Styrene	ND	0.00100		mg/L	1	07/08/2022 4:59 PM	R151052
Tetrachloroethene	0.00207	0.00100		mg/L	1	07/08/2022 4:59 PM	R151052
Toluene	ND	0.00100		mg/L	1	07/08/2022 4:59 PM	R151052
trans-1,2-Dichloroethene	ND	0.00100		mg/L	1	07/08/2022 4:59 PM	R151052
trans-1,3-Dichloropropene	ND	0.00100		mg/L	1	07/08/2022 4:59 PM	R151052
Trichloroethene	0.00132	0.00100		mg/L	1	07/08/2022 4:59 PM	R151052
Vinyl chloride	ND	0.00100		mg/L	1	07/08/2022 4:59 PM	R151052
<u>Internal Quality Control Compounds</u>							
SS: 4-Bromofluorobenzene	112	80-130		%Rec	1	07/08/2022 4:59 PM	R151052
SS: Dibromofluoromethane	108	76.1-120		%Rec	1	07/08/2022 4:59 PM	R151052
SS: Toluene-d8	107	85-115		%Rec	1	07/08/2022 4:59 PM	R151052
SEMIVOLATILE ORGANICS (BNAS)		Method: EPA-8270C-Rev 3, Dec-96			Analyst: BM		
1,2,4-Trichlorobenzene	ND	0.010		mg/L	1	07/13/2022 8:28 PM	83501
1,2-Dichlorobenzene	ND	0.010		mg/L	1	07/13/2022 8:28 PM	83501
1,3-Dichlorobenzene	ND	0.010		mg/L	1	07/13/2022 8:28 PM	83501
1,4-Dichlorobenzene	ND	0.010		mg/L	1	07/13/2022 8:28 PM	83501
2,4,5-Trichlorophenol	ND	0.010		mg/L	1	07/13/2022 8:28 PM	83501
2,4,6-Trichlorophenol	ND	0.010		mg/L	1	07/13/2022 8:28 PM	83501
2,4-Dichlorophenol	ND	0.010		mg/L	1	07/13/2022 8:28 PM	83501
2,4-Dimethylphenol	ND	0.010		mg/L	1	07/13/2022 8:28 PM	83501
2,4-Dinitrophenol	ND	0.010	S	mg/L	1	07/13/2022 8:28 PM	83501
2,4-Dinitrotoluene	ND	0.010		mg/L	1	07/13/2022 8:28 PM	83501
2,6-Dinitrotoluene	ND	0.010		mg/L	1	07/13/2022 8:28 PM	83501
2-Chloronaphthalene	ND	0.010		mg/L	1	07/13/2022 8:28 PM	83501
2-Chlorophenol	ND	0.010		mg/L	1	07/13/2022 8:28 PM	83501
2-Methylnaphthalene	ND	0.010		mg/L	1	07/13/2022 8:28 PM	83501
2-Nitroaniline	ND	0.010		mg/L	1	07/13/2022 8:28 PM	83501
2-Nitrophenol	ND	0.010		mg/L	1	07/13/2022 8:28 PM	83501
3,3-Dichlorobenzidine	ND	0.010		mg/L	1	07/13/2022 8:28 PM	83501
3-Nitroaniline	ND	0.010		mg/L	1	07/13/2022 8:28 PM	83501
4,6-Dinitro-2-methylphenol	ND	0.010		mg/L	1	07/13/2022 8:28 PM	83501
4-Bromophenyl phenyl ether	ND	0.010		mg/L	1	07/13/2022 8:28 PM	83501
4-Chloro-3-methylphenol	ND	0.010		mg/L	1	07/13/2022 8:28 PM	83501
4-Chloroaniline	ND	0.010		mg/L	1	07/13/2022 8:28 PM	83501
4-Chlorophenyl phenyl ether	ND	0.010		mg/L	1	07/13/2022 8:28 PM	83501



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Laboratory Results

Client ID: Midwest Environmental Consulting Serv.

Report Date: July 18, 2022

Project Name: 6506 National Street Union IL

Workorder: 2207489

Client Sample ID: MW-4

Matrix: GROUNDWATER

Lab ID: 2207489-008

Date Received: 07/08/2022 1:29 PM

Collection Date: 07/08/2022 12:20 PM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
SEMIVOLATILE ORGANICS (BNAS)		Method: EPA-8270C-Rev 3, Dec-96			Analyst: BM		
4-Nitroaniline	ND	0.010		mg/L	1	07/13/2022 8:28 PM	83501
4-Nitrophenol	ND	0.010		mg/L	1	07/13/2022 8:28 PM	83501
Bis(2-chloroethoxy)methane	ND	0.010		mg/L	1	07/13/2022 8:28 PM	83501
Bis(2-chloroethyl)ether	ND	0.010		mg/L	1	07/13/2022 8:28 PM	83501
Bis(2-chloroisopropyl)ether	ND	0.010		mg/L	1	07/13/2022 8:28 PM	83501
Bis(2-ethylhexyl)phthalate	ND	0.010		mg/L	1	07/13/2022 8:28 PM	83501
Butyl benzyl phthalate	ND	0.010		mg/L	1	07/13/2022 8:28 PM	83501
Carbazole	ND	0.010		mg/L	1	07/13/2022 8:28 PM	83501
Dibenzofuran	ND	0.010		mg/L	1	07/13/2022 8:28 PM	83501
Diethyl phthalate	ND	0.010		mg/L	1	07/13/2022 8:28 PM	83501
Dimethyl phthalate	ND	0.010	S	mg/L	1	07/13/2022 8:28 PM	83501
Di-n-butyl phthalate	ND	0.010		mg/L	1	07/13/2022 8:28 PM	83501
Di-n-octyl phthalate	ND	0.010		mg/L	1	07/13/2022 8:28 PM	83501
Hexachlorobenzene	ND	0.010		mg/L	1	07/13/2022 8:28 PM	83501
Hexachlorobutadiene	ND	0.010		mg/L	1	07/13/2022 8:28 PM	83501
Hexachlorocyclopentadiene	ND	0.010	S	mg/L	1	07/13/2022 8:28 PM	83501
Hexachloroethane	ND	0.010		mg/L	1	07/13/2022 8:28 PM	83501
Isophorone	ND	0.010		mg/L	1	07/13/2022 8:28 PM	83501
m,p-Cresol	ND	0.010		mg/L	1	07/13/2022 8:28 PM	83501
Nitrobenzene	ND	0.010		mg/L	1	07/13/2022 8:28 PM	83501
N-Nitroso-di-n-propylamine	ND	0.010		mg/L	1	07/13/2022 8:28 PM	83501
N-Nitrosodiphenylamine	ND	0.010		mg/L	1	07/13/2022 8:28 PM	83501
o-Cresol	ND	0.010		mg/L	1	07/13/2022 8:28 PM	83501
Pentachlorophenol	ND	0.010		mg/L	1	07/13/2022 8:28 PM	83501
Phenol	ND	0.010		mg/L	1	07/13/2022 8:28 PM	83501
<u>Internal Quality Control Compounds</u>							
SS: 2,4,6-Tribromophenol	58.0	36.6-133		%Rec	1	07/13/2022 8:28 PM	83501
SS: 2-Fluorobiphenyl	73.3	26.8-113		%Rec	1	07/13/2022 8:28 PM	83501
SS: 2-Fluorophenol	32.4	0.1-110		%Rec	1	07/13/2022 8:28 PM	83501
SS: 4-Terphenyl-d14	107	31.3-152		%Rec	1	07/13/2022 8:28 PM	83501
SS: Nitrobenzene-d5	71.7	13.8-115		%Rec	1	07/13/2022 8:28 PM	83501
SS: Phenol-d6	20.5	1.14-110		%Rec	1	07/13/2022 8:28 PM	83501
SEMIVOLATILE ORGANICS, BY GCMS SIM		Method: EPA-8270C-Rev 3, Dec-96			Analyst: BM		
Acenaphthene	ND	0.000105		mg/L	1	07/11/2022 6:14 PM	83445
Acenaphthylene	ND	0.000105		mg/L	1	07/11/2022 6:14 PM	83445
Anthracene	ND	0.000105		mg/L	1	07/11/2022 6:14 PM	83445
Benzo(a)anthracene	ND	0.000105		mg/L	1	07/11/2022 6:14 PM	83445



Suburban Laboratories, Inc.

1950 S. Batavia Ave., Suite 150, Geneva, IL 60134 (708) 544-3260

Laboratory Results

Client ID: Midwest Environmental Consulting Serv.

Report Date: July 18, 2022

Project Name: 6506 National Street Union IL

Workorder: 2207489

Client Sample ID: MW-4

Matrix: GROUNDWATER

Lab ID: 2207489-008

Date Received: 07/08/2022 1:29 PM

Collection Date: 07/08/2022 12:20 PM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
SEMIVOLATILE ORGANICS, BY GCMS SIM		Method: EPA-8270C-Rev 3, Dec-96		Analyst: BM			
Benzo(a)pyrene	ND	0.000105		mg/L	1	07/11/2022 6:14 PM	83445
Benzo(b)fluoranthene	ND	0.000105		mg/L	1	07/11/2022 6:14 PM	83445
Benzo(g,h,i)perylene	ND	0.000105		mg/L	1	07/11/2022 6:14 PM	83445
Benzo(k)fluoranthene	ND	0.000105		mg/L	1	07/11/2022 6:14 PM	83445
Chrysene	ND	0.000105		mg/L	1	07/11/2022 6:14 PM	83445
Dibenzo(a,h)anthracene	ND	0.000105		mg/L	1	07/11/2022 6:14 PM	83445
Fluoranthene	ND	0.000105		mg/L	1	07/11/2022 6:14 PM	83445
Fluorene	ND	0.000105		mg/L	1	07/11/2022 6:14 PM	83445
Indeno(1,2,3-cd)pyrene	ND	0.000105		mg/L	1	07/11/2022 6:14 PM	83445
Naphthalene	ND	0.000105		mg/L	1	07/11/2022 6:14 PM	83445
Phenanthrene	ND	0.000105		mg/L	1	07/11/2022 6:14 PM	83445
Pyrene	ND	0.000105		mg/L	1	07/11/2022 6:14 PM	83445
<u>Internal Quality Control Compounds</u>							
SS: 2-Fluorobiphenyl	66.3	34-116		%Rec	200	07/12/2022 12:45 AM	83445
SS: 4-Terphenyl-d14	37.0	14-149		%Rec	200	07/12/2022 12:45 AM	83445
SS: Nitrobenzene-d5	57.8	26-144		%Rec	200	07/12/2022 12:45 AM	83445
MERCURY BY CVAA		Method: EPA-SW7470A-Rev 1, Sep-94		Analyst: MTS			
Mercury	ND	0.00009		mg/L	1	07/09/2022 1:33 PM	83424
PH (IN LABORATORY) <ATC>		Method: EPA-SW9040B-Rev 3, Jan-95		Analyst: CSS			
pH	8.30	1.00	VV c	pH Units	1	07/13/2022 4:27 PM	R151143
Temperature	22.4	0	V	°C	1	07/13/2022 4:27 PM	R151143



Suburban Laboratories, Inc.

1950 S. Batavia Ave., Suite 150, Geneva, IL 60134 (708) 544-3260

PREP DATES REPORT

Client: Midwest Environmental Consulting Serv.
Project: 6506 National Street Union IL

Report Date: July 18, 2022
Lab Order: 2207489

Sample ID	Collection Date	Batch ID	Prep Test Name	TCLP Date	Prep Date
2207489-001A	7/8/2022 7:30:00 AM	83476	CLOSED SYSTEM P&T VOC Prep		7/8/2022
2207489-001C		83491	Mercury Prep for Solids		7/13/2022
		83490	SOLID PREP SONICATION: BNA		7/13/2022
		83487	SOLID PREP TOTAL METALS: ICP		7/12/2022
2207489-002A	7/8/2022 8:30:00 AM	83476	CLOSED SYSTEM P&T VOC Prep		7/8/2022
2207489-002C		83491	Mercury Prep for Solids		7/13/2022
		83490	SOLID PREP SONICATION: BNA		7/13/2022
		83487	SOLID PREP TOTAL METALS: ICP		7/12/2022
2207489-003A	7/8/2022 9:40:00 AM	83476	CLOSED SYSTEM P&T VOC Prep		7/8/2022
2207489-003C		83491	Mercury Prep for Solids		7/13/2022
		83490	SOLID PREP SONICATION: BNA		7/13/2022
		83487	SOLID PREP TOTAL METALS: ICP		7/12/2022
2207489-004A	7/8/2022 10:45:00 AM	83476	CLOSED SYSTEM P&T VOC Prep		7/8/2022
2207489-004C		83491	Mercury Prep for Solids		7/13/2022
		83490	SOLID PREP SONICATION: BNA		7/13/2022
		83487	SOLID PREP TOTAL METALS: ICP		7/12/2022
2207489-005B	7/8/2022 10:00:00 AM	83445	AQUEOUS PREP SEP FUNNEL: BNA		7/11/2022
		83501	AQUEOUS PREP SEP FUNNEL: BNA		7/13/2022
2207489-005C		83485	AQUEOUS PREP TOTAL METALS: ICP		7/12/2022
		83424	MERCURY PREP for AQUEOUS		7/9/2022
2207489-006B	7/8/2022 11:15:00 AM	83445	AQUEOUS PREP SEP FUNNEL: BNA		7/11/2022
		83501	AQUEOUS PREP SEP FUNNEL: BNA		7/13/2022
2207489-006C		83485	AQUEOUS PREP TOTAL METALS: ICP		7/12/2022
		83424	MERCURY PREP for AQUEOUS		7/9/2022
2207489-007B	7/8/2022 11:40:00 AM	83445	AQUEOUS PREP SEP FUNNEL: BNA		7/11/2022
		83501	AQUEOUS PREP SEP FUNNEL: BNA		7/13/2022
2207489-007C		83485	AQUEOUS PREP TOTAL METALS: ICP		7/12/2022
		83424	MERCURY PREP for AQUEOUS		7/9/2022
2207489-008B	7/8/2022 12:20:00 PM	83501	AQUEOUS PREP SEP FUNNEL: BNA		7/13/2022



Suburban Laboratories, Inc.

1950 S. Batavia Ave., Suite 150, Geneva, IL 60134 (708) 544-3260

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2207489-008B	7/8/2022 12:20:00 PM	83445	AQUEOUS PREP SEP FUNNEL: BNA		7/11/2022
2207489-008C		83485	AQUEOUS PREP TOTAL METALS: ICP		7/12/2022
		83424	MERCURY PREP for AQUEOUS		7/9/2022



Qualifiers:

*/x	Value exceeds Maximum Contaminant Level
B	Analyte detected in the associated Method Blank
C	Value is below Minimum Concentration Limit
c	Analyte not in SLI scope of accreditation
E	Estimated, detected above quantitation range
G	Refer to case narrative page for specific comments
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit (QL)
N	Tentatively identified compounds
ND	Not Detected at the Reporting Limit
P	Present
Q	Accreditation is not available from Wisconsin
R	RPD outside accepted recovery limits
S	Spike Recovery outside accepted recovery limits
T	Analyte detected in sample trip blank
V	EPA requires field analysis/filtration. Lab analysis would be considered past hold time.
WI	This sample was ran at the Wisconsin Laboratory, WI DNR Certified #246179890

