

COMMITTEE OF THE WHOLE MEETING AGENDA

TUESDAY, JANUARY 3, 2022, 7:00 PM

BERLIN COMMON COUNCIL CHAMBERS

<https://us02web.zoom.us/j/89148709007>

Meeting ID: 891 4870 9007

1 312 626 6799 US TOLL-FREE

1. Roll Call
2. Virtual Attendees Seated (if necessary)
3. General Public Comments. Registration card required (located at podium in Council Chambers).
4. Approval of Minutes. RECOMMENDATION: Approve the minutes from the December 6, 2022 Committee of the Whole meeting.
5. Alliant Easement Request for Fiber Optic Cable. RECOMMENDATION: Recommend to Common Council to Approve Alliant Easement Request for burying Fiber Optic Cable at 730 N Wisconsin St Property.
6. Safeguard Property Update. RECOMMENDATION: Listen to staff presentation with action as appropriate.
7. Security Cameras Update. RECOMMENDATION: Recommend to Common Council to approve the purchase of additional cameras for Pool and Senior Center using ARPA Funds.
8. Uncontrolled Intersections. RECOMMENDATION: Recommend to Common Council to approve all recommend intersections changes as needed.
9. Levy Referendum. RECOMMENDATION: Select referendum language and recommend to Common Council to approve Resolution #23-01 with selected language.
10. Adjourn.

Note: In adherence to the City of Berlin Public Meeting Participation Policy, public participation will be allowed under each agenda item at the discretion of the presiding officer, with the exception of the Consent Agenda. Attendees must register their intention to participate on either a general comments section or a specific agenda item prior to the meeting by filling out a Registration Card, which can be obtained from the Internet, City Clerk's office or in the City Hall Council Chambers at the podium. Registration Cards should be turned in prior to the meeting to either the presiding officer or City Clerk.

CITY OF BERLIN COMMITTEE OF THE WHOLE MEETING MINUTES
TUESDAY, DECEMBER 6, 2022 7:00 PM
COMMON COUNCIL CHAMBERS CITY HALL

Mayor Bruessel called the Committee of the Whole meeting to order at 7:00 p.m. Present: Aid Boeck, Burgess, Dretske, Erdmann, Nigbor and Stobbe. Staff present: Sara Rutkowski, Brian Pulvermacher, Evan Vandenlangenberg, Rebecca Bays, Scott Zabel and Midge Seaman

There were no virtual attendees.

There was one public participant; Bryant Bednarek, Berlin High School Principal, discussing THC Delta 8 in Schools. Looking for assistance from the Committee to discuss an Ordinance making it illegal in School.

Erdmann made a motion to accept the Minutes from the Committee of the Whole meeting on November 1, 2022. Stobbe seconded the motion which carried on a voice vote.

The next item brought forward was the Berlin Community Development Corporation Economic Development Assistant Donation Agreement. A motion was made by Nigbor to accept the recommendation from the CCDC and recommended to Common Council to accept the Donation Agreement as presented. Dretske seconded the motion which carried on a voice vote.

Item # 7 was Resolution 22-10 Establishing Wage Adjustment for Non-Union Employees for 2023. Erdmann made a motion to Recommend to Common Council to approve Resolution 22-10 Establishing a Wage Adjustment for Non-Union Employees for 2023. Burgess seconded the motion. A roll Call vote resulted in 5 ayes with Stobbe abstaining.

The 2023 Senior Transportation Purchase of Service Contract was brought forward by Mayor Bruessel. After a brief presentation given by Senior Director, Rebecca Bays, Dretske made a motion to Recommend to Common Council to approve the 2023 Purchase of Service Contract with Green Lake County Department of Health & Human Services and authorize the appropriate signatures. Stobbe seconded the motion which carried on a voice vote.

Bays stayed at the podium to present the next agenda item which was the 2023 Berlin Senior Center Agreement for Senior Nutrition. Dretske made a motion to Recommend to Common Council to approve the 2023 Agreement between Green Lake County DHHS and the City of Berlin Senior Center Meal Program and authorize the appropriate signatures. Erdmann seconded the motion which carried,

Item #10 on the agenda was an update to the Fee Schedule & Municipal Bond Forfeiture Schedule. Rutkowski, Pulvermacher, Vandenlangenberg, Bays and Zabel all made recommendation to change the Fee Schedule on items that had not been updated for several years. Erdmann made a motion to recommend to Common Council to approve all recommended changes. Dretske seconded the motion which passed on a voice vote.

Lastly, the Mayor brought forward a Time Change to the Start of the Committee of the Whole meetings going forward. Discussion ensued. Nigbor made a motion to recommend to Common Council to approve a change of 6pm to begin the Committee of the Whole meeting time. Boeck seconded the motion which carried on a voice vote.

Burgess moved to adjourn the meeting at 7:46pm, which was seconded by Nigbor and passed on a voice vote.

Midge Seaman, Deputy Clerk

Sara Rutkowski

From: Arnold Becker <abecker@prosourceand.com>
Sent: Friday, December 16, 2022 9:41 AM
To: Sara Rutkowski
Subject: Alliant's easement request for 730 N Wisconsin St, Berlin, WI
Attachments: GIS map for 730 N Wisconsin St, Berlin, WI.pdf; EASEMENT CITY OF BERLIN 730 N WISCONSIN ST.pdf; WPL Easement Brochure.pdf

Sara,

Thank you for taking the time to speak with me regarding the above easement. I wanted to email you some background information on the projected as well as the route through Berlin.

Alliant Energy is requesting and 10' easement on the city's property to bury a fiber optic cable. The actual cable will be buried as close to the road right of way as possible. Compensation for the easement is \$500.00. This would be paid prior to starting any work on the property. Alliant is currently planning the spring or summer of 2023 for installation.

Alliant Energy wants to connect all their substations with a fiber optic internet cable and they have contracted my company to meet with landowners along the route and secure the necessary easements. The fiber optic line will allow Alliant Energy to better monitor electrical loads and remotely diagnose issues at their substations. The line goes from Fond du Lac to Wisconsin Rapids. Alliant's long term plans include offering fiber optic internet service to landowners along the route. The cable will be buried approximately 4' deep inside of a plastic conduit and will be installed using boring machines so not to disturb anything on the surface, such as driveways or landscaping. Attached is the proposed easement for Alliant Energy fiber optic cable, a map of property and a publication by Alliant Energy answers many questions about easement and right-of-ways.

The route through Berlin starts coming from the south on CR VV/ Dafford Rd, then northwesterly on Ripon Rd to the intersection of Quarry Rd. At the Quarry Rd intersection there will be a trunk off the main line that continues down Ripon Rd to the substation. The main line continues north on Quarry Rd to Huron Rd and then goes west one block to Center St. The main line continues north on Center St. then turning west on Waushara St to Wisconsin St. The line continues north on Wisconsin St/ CR XX going past the city's property to the substation located on CR XX.

If you have any additional information, please let me know:

Thanks,

Arnie

Arnold Becker | Acquisition Specialist
ProSource Land Services
(O) 319-289-0602
(M) 608-607-7855
www.prosourceand.com

ProSource
RIGHT OF WAY | ENVIRONMENTAL | SURVEY

- 9) What is required of the landowner in the easement document?

The easement document grants the utility the right to locate distribution facilities on the landowner's property. It also requires the landowner to keep the easement area clear to allow the utility access to these facilities for maintenance and repair. Easement area should stay clear of trees.

- 10) What kind of negotiations should be expected?

While our standard easement is intended to cover normal distribution facility installations, terms or conditions may be negotiated. If the landowner has questions, the utility will get answers. The right-of-way agent is your contact person and your source for information.

- 11) Are there specific waivers of rights involved in the easement negotiation process?

PSC 113.0509 gives the landowner, unless voluntarily waived by the landowner, a minimum period of five days to examine the materials provided by the utility before signing any new or revised easement agreement. If you, as the landowner, are comfortable signing the easement agreement after reading the document and getting answers to questions, you may waive the five-day review period established under Public Service Commission Administrative Rules.

- 12) Does the use of eminent domain enter into easement negotiation discussions?

No. WP&L will not bring eminent domain up. The utility and the landowner will usually negotiate a solution on location of distribution facilities.

- 13) Does the utility ultimately have the right to use eminent domain?

Yes. However, as a general practice, WP&L does not use eminent domain to install electric distribution facilities. Only in extremely unusual situations would the utility consider the use of its eminent domain rights. WP&L has not used eminent domain on distribution facilities in the past 25 years.

For more information:

For information on a specific project, contact WP&L or the PSC.

Contact your WP&L representative at:

Contact the PSC at:

Public Service Commission of Wisconsin
P.O. Box 7854
Madison, WI 53707-7854
(608) 266-5481

Generally, the PSC does not have detailed information about all the electric distribution projects.

Therefore, in order for them to investigate you will need to provide:

- Utility Name
- Project Name
- Project Location

Wisconsin Power and Light,
a subsidiary of



RIGHT-OF-WAY AND EASEMENTS

for Electric Distribution Facility Construction

Wisconsin Power and Light,
a subsidiary of



INTRODUCTION

This pamphlet is intended to help you, the landowner, better understand the possible need for new power lines, how electric utilities build lines, and how you can be an important part of the process.

Electric distribution lines carry electricity from substations to customers. These types of electric lines include customer service connections and local distribution lines.

An electric line right-of-way (ROW) is a strip of land that an electric utility uses to construct, maintain, repair or replace an overhead or underground power line. The ROW allows the utility to provide clearance from trees, buildings and other structures that could interfere with the line installation, maintenance and operation. This ROW may be located in the roadway or on private property. It usually is from six to twelve feet wide, unless terrain, vegetation or unusual construction obstacles require a wider easement.

1) What are some reasons new or reconstructed power lines might be needed?

New power lines may be needed because of:

- Growth in customer's average electricity use
 - Growth in the number of customers and businesses in Wisconsin.
 - Replacement of old lines due to age of equipment, or
 - Additional lines constructed from new substations needed to meet increased demand.
- ## 2) Do utilities need government approval to build new power lines?

Yes. A variety of permits are needed from various governmental agencies. The Public Service Commission (PSC) of Wisconsin reviews Wisconsin Power and Light Company's (WP&L), a subsidiary of Alliant Energy Corporation, request if a project exceeds \$5 million in cost.

Local road permits, Wisconsin Department of Transportation permits, Wisconsin Department of Natural Resources permits, Federal Aviation Authority permits, etc., are all required if the interests of those agencies are involved.

3) Can conservation eliminate the need for power lines?

Yes and no. Right now, conservation helps reduce the need for new power lines, but is not eliminating all future needs. In order to eliminate the need for new lines, conservation would have to be great enough to offset all the needs in points "a" through "d" in question 1 above.

Conservation can reduce the number of new power lines and power plants needed because conservation makes energy more efficient. The PSC reviews utility plans for conservation programs in its Biennial Strategic Energy Assessment ("SEA").

4) How is it decided when and where new or reconstructed power lines will be built?

Utility engineers use computer models of the power system to study the need for new power lines. The results help a utility decide if a new power line is needed or if an existing line should be rebuilt or relocated. In some instances the need for new or rebuilt power lines becomes apparent due to insufficient capacity to meet customer requirements in an area or changes required in response to significant storm damages.

5) Does a utility have the right to construct its lines on my property?

Wisconsin Statutes allow utilities to construct their facilities on or along roadways with the consent of local authorities as long as the facilities do not interfere with the use of the roadway by the public or with the use of the adjoining land. Usually the utility will have the option of building the distribution lines and related facilities on private property or in the road right-of-way. However, if existing obstacles are in the way, the distribution line will be located to avoid these obstacles.

If the distribution line is located on private property, an easement from the landowner is required. If the

distribution line is located in road right-of-way, a permit from the municipality is required.

6) Will my trees need to be cut?

In some cases, power lines must be built along wooded areas or near existing trees. This is often the case when power lines are built along roadways or at the rear of residential lots. Therefore, trees in these areas need to be trimmed and sometimes removed.

In order to ensure safe and reliable power, it is important to keep power lines free of any kind of interference. This means that tall-growing trees should not be placed near or under existing power lines. A utility maintains a regular trimming schedule to keep interference from trees to a minimum. It is important for customers to understand that requirement and cooperate with the utility.

In order to trim or remove trees along a roadway, the utility will obtain the consent of the owner of the tree.

7) What is an easement?

An easement is a written document that grants a permanent right to use land for a specific purpose, such as installing utility facilities (lines) to serve you and others. An easement "runs with the land" which means it stays with the property even if ownership of the property changes.

8) What can the landowner expect in the easement acquisition process?

Based on many years of experience, WP&L has developed a standard easement agreement which covers topics such as proper clearance/cover for utility facilities, restoration of the land and tree trimming. You, as a landowner, have a right to understand these issues as well as the need for distribution facilities.

To minimize impact on your property, the utility will make every reasonable effort to locate these facilities in set back areas that are unbuildable.

A utility representative contacts each potentially affected landowner and presents the easement document.

Document No.

**EASEMENT UNDERGROUND ELECTRIC,
FIBER OPTIC, AND COMMUNICATION**

The undersigned City of Berlin, a Wisconsin Municipal Corporation, (hereinafter called the "Grantor(s)"), in consideration of the sum of five hundred dollars (\$500.00) and other good and valuable consideration, receipt of which is hereby acknowledged, does hereby grant, convey and warrant unto Wisconsin Power and Light Company, a Wisconsin corporation (hereinafter called the "Grantee"), the Grantee's successors and assigns, the perpetual right and easement to construct, install, maintain, operate, repair, inspect, replace, add to, and remove the Designated Facilities, as defined below, upon, in, under, over, through and across lands owned by the Grantor in the City of Berlin, County of Waushara, State of Wisconsin, said "Easement Area" to be Ten (10') feet in width and described as follows:

SEE ATTACHED "EXHIBIT A"

This easement is subject to the following conditions:

Record this document with the Register of Deeds

Name and Return Address:

Alliant Energy
Attn: Real Estate Department
4902 North Biltmore Lane
Madison, WI 53718

Parcel Identification Number(s)

206-03457-0211

1. **Designated Facilities:** This easement is for underground electric line, underground fiber optic line, and underground communication line facilities, including but not limited to: conduit, fiber optic wires, hand holes, cables, above ground electric pad-mount transformers and switches, vaults, secondary pedestals, riser equipment, and any other components as Grantee may select for use in transmitting electricity or fiber optic and communication signals, and all uses related thereto (collectively, the "Designated Facilities").
2. **Assignment/Lease/Sale of Fiber Optic Capacity:** Grantee, at its sole discretion, shall have the right to assign, lease, or sell all or some of its fiber optic transmission capacity to third-party users. Grantee shall have the right to expand or relocate its fiber optic Designated Facilities within the Easement Area to accommodate such assignment, lease, or sale.
3. **Access:** The Grantee and its agents shall have the right of reasonable ingress and egress to, over and across the Grantor's land adjacent to the Easement Area.
4. **Buildings and Structures:** The Grantor agrees within the Easement Area not to construct or place buildings, structures, or other improvements, or place water, sewer or drainage facilities; all without the express written consent of the Grantee.
5. **Landscaping and Vegetation:** No plantings and landscaping are allowed within the Easement Area that will interfere with the easement rights herein granted. The Grantee has the right to trim or remove trees, bushes and brush within the Easement Area, without replacement or compensation hereinafter, that pose, in Grantee's sole judgement, an imminent hazard to Grantee's Designated Facilities.
6. **Elevation:** After the installation of the facilities and final grading of the Easement Area, the Grantor agrees not to alter the grade of the existing ground surface by more than six (6) inches without the express written consent of the Grantee.
7. **Restoration and Damages:** The Grantee shall restore, cause to have restored or pay a reasonable sum for all damages to property, crops, fences, livestock, lawns, roads, fields and field tile (other than trees trimmed or cut down and removed), caused by the construction, maintenance or removal of said facilities.
8. **Rights not granted to the Grantee:** The Grantee shall not have the right to construct or place fences, buildings or any other facilities other than the above Designated Facilities.
9. **Reservation of use by the Grantor:** The right is hereby expressly reserved to the Grantor, the heirs, successors and assigns, of every use and enjoyment of said land within the Easement Area consistent with rights herein granted.
10. **Binding Effect:** This agreement is binding upon the heirs, successors and assigns of the parties hereto, and shall run with the lands described herein.
11. **Easement Brochure:** As provided by PSC 113, the Grantor shall have a minimum period of five days to examine materials approved or provided by the Public Service Commission of Wisconsin describing the Grantor's rights and options in the easement negotiating process. The Grantor hereby voluntarily waives the five day review period or acknowledges that they have had at least five days to review such materials.

WITNESS the signature(s) of the Grantor this _____ day of _____, 20_____.

CITY OF BERLIN, A WISCONSIN MUNICIPAL CORPORATION:

_____(SEAL)
Joel Bruessel, Mayor

_____(SEAL)

ACKNOWLEDGEMENT

STATE OF WISCONSIN }
COUNTY OF GREEN LAKE } SS

Personally came before me this _____ day of _____, 20_____, the above named
_____ to me known to be the person(s) who executed the foregoing instrument and
acknowledged the same.

Signature of Notary

Printed Name of Notary

Notary Public, State of Wisconsin

My Commission Expires (is)

This instrument drafted by
Kyle Toblason

Checked by
Kelly Postel
November 30, 2022

Project Title:	Fond du Lac to Wisconsin Rapids Fiber Route
ERP Activity ID:	106044
Tract No.:	206-03457-0211
REROW No.:	

Exhibit A

Commencing in the Northwest corner directly adjacent to the road right of way (Point of Beginning); thence South approximately Two-Hundred and Seventy-five (275') Feet, thence East Ten (10') Feet; thence North approximately Two-Hundred and Seventy-five (275') Feet, thence West Ten (10') Feet to the Point of Beginning of the following property:

A part of Lot 1 Certified Survey Map 1134 being a part of Government Lots Five (5), Six (6) and Seven (7) in Section Thirty-four (34), Township Eighteen (18) North, Range Thirteen (13) East.

EXCEPTING THEREFROM Certified Survey Map 3396 being a part of the Northwest $\frac{1}{4}$ of the Southwest $\frac{1}{4}$ in Section Thirty-four (34), Township Eighteen (18) North, Range Thirteen (13) East.

FURTHER EXCEPTING THEREFROM lands conveyed for roadway purposes, S Knopf Rd (Now Enterprise Drive).

FURTHER EXCEPTING THEREFROM that part commencing at the Southwest Corner of said Section 34; thence along the West line of said quarter section, North $00^{\circ}21'06''$ West, 920.77 feet to the point of beginning; thence continuing North $00^{\circ}21'06''$ West, 176.83 feet to a meander point lying South $00^{\circ}21'06''$ East, 28 feet more or less from the water's edge of the Fox River; thence along a meander line South $74^{\circ}37'16''$ East, 39.40 feet to the East right-of-way line of CTH XX and a meander point lying South $00^{\circ}11'53''$ East, 23 feet more or less from the water's edge of the Fox River; thence continuing along said meander line South $74^{\circ}37'16''$ East, 26.72 feet to a meander point lying South $12^{\circ}04'12''$ West, 23 feet more or less from the water's edge of the Fox River; thence South $12^{\circ}04'12''$ West, 50.55 feet; thence South $00^{\circ}11'53''$ East, 59.27 feet; thence South $30^{\circ}09'37''$ West, 29.68 feet to the East right-of-way line of CTH XX; thence along said East line, South $00^{\circ}11'53''$ East, 28.55 feet; thence North $84^{\circ}28'35''$ West, 37.67 feet, to the West line of said section and the point of beginning.

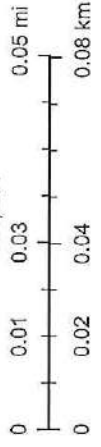
Waushara County



December 15, 2022

- Parcels
- Parcels
- Sections
- Township
- Roads
- Interstate Highway
- County Highway
- Local
- Private
- Alley
- Access

1:2,257



State of Wisconsin
DEPARTMENT OF NATURAL RESOURCES
2984 Shawano Avenue
Green Bay WI 54313-8727

Tony Evers, Governor
Preston D. Cole, Secretary
Telephone 608-268-2621
Toll Free 1-888-938-7463
TTY Access via relay - 711



December 16, 2022

Community Development Authority of the City of Berlin
Attn: Tim Ludolph
108 N Capron Street
Berlin WI 54923
Via Electronic Mail Only to TLudolph@cityofberlin.wi.gov

Subject: Site Investigation Complete
Old Safeguard Property – LGU, 114 Pierce St & 119 Commercial St, Berlin, WI
WDNR BRRTS #02-24-563323

Dear Mr. Ludolph:

On October 19, 2022, the Wisconsin Department of Natural Resources (DNR) received the “Additional Site Investigation for NR 716 Site Investigation” (SIR) prepared by the Sigma Group, Inc. (Sigma) for the above referenced property located at 114 Pierce St & 119 Commercial St, Berlin, Wisconsin. The SIR was submitted with a fee for DNR review and response. DNR has reviewed the SIR in accordance with Wisconsin Administrative (Wis. Admin.) Code ch. 716 and approved the site investigation.

Background

The Old Safeguard Property – LGU Property (the Property) consists of three parcels 114 Pierce St & 119 Commercial St, in Berlin, Wisconsin. The Property is currently owned by Community Development Authority of the City of Berlin. The Property has an industrial history dating back to the late 1800s. Historic uses include a foundry, machine shop, oil house, fur coat company with tanning operations, leather goods manufacturer, and other various manufacturers. The Fox River is located 1 block east of the Property. The Property is in a historically industrial area with a sheet metal works facility and junk yard to the north. The Property and surrounding area contain historic soil fill. A volatile organic compound (VOC), in particular a Tetrachloroethene (PCE), discharge of unknown quantity was discovered at the Property, as well as polycyclic aromatic hydrocarbons (PAHs), and metals during a Phase II Environmental Site Assessment (ESA) in late 2014. The DNR was notified of the discharge to the environment and a contamination case was opened. In 2019 the Community Development Authority of the City of Berlin acquired the Property and maintains the Local Governmental Unit (LGU) Environmental Liability Exemption; however, they have taken actions to investigate the contamination at the site.

On June 11, 2021, DNR received a “Site Investigation Report” prepared by Sigma with a fee for review. On August 3, 2021, the DNR issued a Site Investigation Incomplete – Additional Investigation Required letter. Since this time additional site investigation activities have been conducted and documented in the “Additional Site Investigation for NR 716 Site Investigation”.

Site Investigation Review

The DNR reviewed the SIR and all case file documentation submitted to date. The degree and extent of known contamination identified at the site appears to have been adequately defined for the VOCs, PAHs, and metals compounds analyzed during the site investigation; therefore, DNR has determined that the site investigation is complete in accordance with Wis Admin. Code ch. NR716.

The following general comments are provided:

Soil

- Metals and PAHs have been defined property line to property line.
- The current delineation of chlorinated volatile organic compounds (CVOCs) is inferred on the off-site properties to the north based on existing CVOC soil contamination on the north side of the source property (no soil samples collected on the properties to the north have detections of CVOCs). Based on the current delineation a soil continuing obligation (CO) would be required on the properties to the north. Additional soil sampling could be completed to the north to better define the extent of the CVOC contamination in soil and potentially eliminate the inferred delineation of off-site soil contamination to the north and the need for a soil CO on those properties. As discussed on December 2, 2022, if you proceed with the CVOC soil sampling please submit a brief site investigation work plan.
- The extent of benzene in soil at B-16, was previously determined to be defined.
- A Development at Historic Fill Site or Licensed Landfill Exemption Application per Wis. Admin Code ch. NR 506.085 (4) will not be required for future development based on the current soil fill known to be on site.

Groundwater

- The horizontal extent of the groundwater contamination is defined. DNR is requesting a minimum of 1 round of sampling for CVOCs from PZ-6 in the apparent source area of the CVOCs. PZ-6 only has 3 rounds of groundwater samples collected; all 3 sample rounds were collected after buildings were removed and the surface cover was gravel/pervious. The DNR is requesting sampling results be reported to the DNR within 10 days of receiving the data, per Wis. Admin. Code § NR 716.14(2).
- Petroleum volatile organic compounds (PVOCs) detected in the off-site monitoring well MW-4 are not considered to be associated with the Property. The source of the PVOCs is currently unknown at this time.
- If this case remains open, additional groundwater monitoring may be needed in the future prior to submitting for closure. Monitoring wells need to continue to be maintained.

Vapor

- Additional rounds of vapor sampling are not being requested at this time from 120 Commercial Street. The vapor investigation at 120 Commercial Street is considered complete.
- Future vapor risk on the Property will need to be addressed at the time of future redevelopment.

Other

- After reviewing the updated maps with underground utilities identified, investigation of the underground utilities is not being requested.
- An emerging contaminant (EC) scoping statement was submitted previously and the August 3, 2021, DNR letter outlined that no EC sampling/investigation was needed.
- As an LGU exempt site, Wis. Admin Code ch. NR700 semi-annual progress reports are not required to be submitted electronically until the case is closed; however, you may voluntarily opt to submit the semi-annual progress reports.

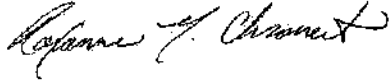
As discussed on December 2, 2022, if you have additional questions regarding moving forward with confirming the adequacy of the cap and site or keeping the site open until you have a developer please reach out.

Site Investigation Complete
Old Safeguard Property, BRRTS #: 02-24-563323
December 16, 2022

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Please be aware that DNR has made this determination based on the documentation received to date for the site. DNR may re-evaluate the decision related to this approval if new or additional information is obtained. DNR appreciates your efforts to investigate this site. If you have any questions regarding this letter, please contact me at (920) 362-3981 or Roxanne.Chronert@wisconsin.gov.

Sincerely,



Roxanne N. Chronert
Team Supervisor, Northeast Region
Remediation & Redevelopment Program

cc. Sara Rutkowski, City of Berlin (srutkowski@cityofberlin.wi.gov)
Adam Roder, The Sigma Group, Inc (aroder@thesigmagroup.com)

Notice: Use this form to request a **written response (on agency letterhead)** from the Department of Natural Resources (DNR) regarding technical assistance, a post-closure change to a site, a specialized agreement or liability clarification for Property with known or suspected environmental contamination. A fee will be required as is authorized by s. 292.55, Wis. Stats., and NR 749, Wis. Adm. Code., unless noted in the instructions below. Personal information collected will be used for administrative purposes and may be provided to requesters to the extent required by Wisconsin's Public Records law [ss. 19.31 - 19.39, Wis. Stats.].

Definitions

"Property" refers to the subject Property that is perceived to have been or has been impacted by the discharge of hazardous substances.

"Liability Clarification" refers to a written determination by the Department provided in response to a request made on this form. The response clarifies whether a person is or may become liable for the environmental contamination of a Property, as provided in s. 292.55, Wis. Stats.

"Technical Assistance" refers to the Department's assistance or comments on the planning and implementation of an environmental investigation or environmental cleanup on a Property in response to a request made on this form as provided in s. 292.55, Wis. Stats.

"Post-closure modification" refers to changes to Property boundaries and/or continuing obligations for Properties or sites that received closure letters for which continuing obligations have been applied or where contamination remains. Many, but not all, of these sites are included on the GIS Registry layer of RR Sites Map to provide public notice of residual contamination and continuing obligations.

Select the Correct Form

This form should be used to request the following from the DNR:

- Technical Assistance
- Liability Clarification
- Post-Closure Modifications
- Specialized Agreements (tax cancellation, negotiated agreements, etc.)

Do **not** use this form if one of the following applies:

- Request for an **off-site liability exemption or clarification** for Property that has been or is perceived to be contaminated by one or more hazardous substances that originated on another Property containing the source of the contamination. Use DNR's Off-Site Liability Exemption and Liability Clarification Application Form 4400-201.
- Submittal of an Environmental Assessment for the **Lender Liability Exemption**, s 292.21, Wis. Stats., **if no response or review by DNR is requested**. Use the Lender Liability Exemption Environmental Assessment Tracking Form 4400-196.
- Request for an **exemption to develop on a historic fill site** or licensed landfill. Use DNR's Form 4400-226 or 4400-226A.
- **Request for closure** for Property where the investigation and cleanup actions are completed. Use DNR's Case Closure - GIS Registry Form 4400-202.

All forms, publications and additional information are available on the internet at: dnr.wi.gov/topic/Brownfields/Pubs.html.

Instructions

1. Complete sections 1, 2, 6 and 7 for all requests. Be sure to provide adequate and complete information.
2. Select the type of assistance requested: Section 3 for technical assistance or post-closure modifications, Section 4 for a written determination or clarification of environmental liabilities; or Section 5 for a specialized agreement.
3. Include the fee payment that is listed in Section 3, 4, or 5, unless you are a "Voluntary Party" enrolled in the Voluntary Party Liability Exemption Program and the questions in Section 2 direct otherwise. Information on to whom and where to send the fee is found in Section 8 of this form.
4. Send the completed request, supporting materials and the fee to the appropriate DNR regional office where the Property is located. See the map on the last page of this form. A paper copy of the signed form and all reports and supporting materials shall be sent with an electronic copy of the form and supporting materials on a compact disk. For electronic document submittal requirements see: <http://dnr.wi.gov/files/PDF/pubs/rr/RR690.pdf>

The time required for DNR's determination varies depending on the complexity of the site, and the clarity and completeness of the request and supporting documentation.

Technical Assistance, Environmental Liability Clarification or Post-Closure Modification Request

Form 4400-237 (R 09/21)

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Section 1. Contact and Recipient Information

Requester Information

This is the person requesting technical assistance or a post-closure modification review, that his or her liability be clarified or a specialized agreement and is identified as the requester in Section 7. DNR will address its response letter to this person.

Last Name Ludolph	First Tim	MI	Organization/ Business Name City of Berlin		
Mailing Address 108 N. Caprom Street, PO Box 272			City Berlin	State WI	ZIP Code 54923
Phone # (include area code) (920) 361-5156	Fax # (include area code) (920) 361-5405	Email TLudolph@cityofberlin.wi.gov			

The requester listed above: (select all that apply)

- ☒ Is currently the owner
- ☐ Is currently considering selling the Property
- ☐ Is renting or leasing the Property
- ☐ Is considering acquiring the Property
- ☐ Is a lender with a mortgagee interest in the Property
- ☐ Other. Explain the status of the Property with respect to the applicant:

Contact Information (to be contacted with questions about this request) ☒ Select if same as requester

Contact Last Name Ludolph	First Tim	MI	Organization/ Business Name City of Berlin		
Mailing Address 108 N. Caprom Street, PO Box 272			City Berlin	State WI	ZIP Code 54923
Phone # (include area code) (920) 361-5156	Fax # (include area code) (920) 361-5405	Email TLudolph@cityofberlin.wi.gov			

Environmental Consultant (if applicable)

Contact Last Name Roder	First Adam	MI J	Organization/ Business Name The Sigma Group, Inc.		
Mailing Address 1300 W. Canal Street			City Milwaukee	State WI	ZIP Code 53233
Phone # (include area code) (414) 643-4200	Fax # (include area code) (414) 643-4210	Email aroder@thesigmagroup.com			

Section 2. Property Information

Property Name Old Safeguard Property - LGU			FID No. (if known)		
BRRS No. (if known) 02-24-563323			Parcel Identification Number 206-01572-0000, 206-01573-0000, 206-01574-0000		
Street Address 114 Pierce Street & 119 Commercial Street			City Berlin	State WI	ZIP Code 54923
County Green Lake	Municipality where the Property is located ☒ City ☐ Town ☐ Village of Berlin	Property is composed of: ☐ Single tax parcel ☒ Multiple tax parcels		Property Size Acres 0.5	

**Technical Assistance, Environmental Liability
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1. Is a response needed by a specific date? (e.g., Property closing date) Note: Most requests are completed within 60 days. Please plan accordingly.

☒ No ☐ Yes

Date requested by: _____

Reason: _____

2. Is the "Requester" enrolled as a Voluntary Party in the Voluntary Party Liability Exemption (VPLE) program?

☒ No. **Include the fee that is required for your request in Section 3, 4 or 5.**

☐ Yes. **Do not include a separate fee.** This request will be billed separately through the VPLE Program.

Fill out the information in Section 3, 4 or 5 which corresponds with the type of request:

Section 3. Technical Assistance or Post-Closure Modifications;

Section 4. Liability Clarification; or Section 5. Specialized Agreement.

Section 3. Request for Technical Assistance or Post-Closure Modification

Select the type of technical assistance requested: [Numbers in brackets are for WI DNR Use]

- ☐ No Further Action Letter (NFA) (Immediate Actions) - NR 708.09, [183] - Include a fee of \$350. Use for a written response to an immediate action after a discharge of a hazardous substance occurs. Generally, these are for a one-time spill event.
- ☐ Review of Site Investigation Work Plan - NR 716.09, [135] - **Include a fee of \$700.**
- ☒ Review of Site Investigation Report - NR 716.15, [137] - **Include a fee of \$1050.**
- ☐ Approval of a Site-Specific Soil Cleanup Standard - NR 720.10 or 12, [67] - **Include a fee of \$1050.**
- ☐ Review of a Remedial Action Options Report - NR 722.13, [143] - **Include a fee of \$1050.**
- ☐ Review of a Remedial Action Design Report - NR 724.09, [148] - **Include a fee of \$1050.**
- ☐ Review of a Remedial Action Documentation Report - NR 724.15, [152] - **Include a fee of \$350**
- ☐ Review of a Long-term Monitoring Plan - NR 724.17, [25] - **Include a fee of \$425.**
- ☐ Review of an Operation and Maintenance Plan - NR 724.13, [192] - **Include a fee of \$425.**

Other Technical Assistance - s. 292.55, Wis. Stats. [97] (For request to build on an abandoned landfill use Form 4400-226)

- ☐ Schedule a Technical Assistance Meeting - **Include a fee of \$700.**
- ☐ Hazardous Waste Determination - **Include a fee of \$700.**
- ☐ Other Technical Assistance - **Include a fee of \$700.** Explain your request in an attachment.

Post-Closure Modifications - NR 727, [181]

- ☐ Post-Closure Modifications: Modification to Property boundaries and/or continuing obligations of a closed site or Property; sites may be on the GIS Registry. This also includes removal of a site or Property from the GIS Registry. **Include a fee of \$1050, and:**
 - ☐ Include a fee of \$300 for sites with residual soil contamination; and
 - ☐ Include a fee of \$350 for sites with residual groundwater contamination, monitoring wells or for vapor intrusion continuing obligations.

Attach a description of the changes you are proposing, and documentation as to why the changes are needed (if the change to a Property, site or continuing obligation will result in revised maps, maintenance plans or photographs, those documents may be submitted later in the approval process, on a case-by-case basis).

Section 4. Request for Liability Clarification

Select the type of liability clarification requested. Use the available space given or attach information, explanations, or specific questions that you need answered in DNR's reply. Complete Sections 6 and 7 of this form. [Numbers in brackets are for DNR Use]

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☐ "Lender" liability exemption clarification - s. 292.21, Wis. Stats. [686]

❖ **Include a fee of \$700.**

Provide the following documentation:

- (1) ownership status of the real Property, and/or the personal Property and fixtures;
- (2) an environmental assessment, in accordance with s. 292.21, Wis. Stats.;
- (3) the date the environmental assessment was conducted by the lender;
- (4) the date of the Property acquisition; for foreclosure actions, include a copy of the signed and dated court order confirming the sheriff's sale.
- (5) documentation showing how the Property was acquired and the steps followed under the appropriate state statutes.
- (6) a copy of the Property deed with the correct legal description; and,
- (7) the Lender Liability Exemption Environmental Assessment Tracking Form (Form 4400-196).
- (8) If no sampling was done, please provide reasoning as to why it was not conducted. Include this either in the accompanying environmental assessment or as an attachment to this form, and cite language in s. 292.21(1)(c)2., h.-i., Wis. Stats.:
 - h. The collection and analysis of representative samples of soil or other materials in the ground that are suspected of being contaminated based on observations made during a visual inspection of the real Property or based on aerial photographs, or other information available to the lender, including stained or discolored soil or other materials in the ground and including soil or materials in the ground in areas with dead or distressed vegetation. The collection and analysis shall identify contaminants in the soil or other materials in the ground and shall quantify concentrations.
 - i. The collection and analysis of representative samples of unknown wastes or potentially hazardous substances found on the real Property and the determination of concentrations of hazardous waste and hazardous substances found in tanks, drums or other containers or in piles or lagoons on the real Property.

☐ "Representative" liability exemption clarification (e.g. trustees, receivers, etc.) - s. 292.21, Wis. Stats. [686]

❖ **Include a fee of \$700.**

Provide the following documentation:

- (1) ownership status of the Property;
- (2) the date of Property acquisition by the representative;
- (3) the means by which the Property was acquired;
- (4) documentation that the representative has no beneficial interest in any entity that owns, possesses, or controls the Property;
- (5) documentation that the representative has not caused any discharge of a hazardous substance on the Property; and
- (6) a copy of the Property deed with the correct legal description.

☐ Clarification of local governmental unit (LGU) liability exemption at sites with: (select all that apply)

- ☐ hazardous substances spills - s. 292.11(9)(e), Wis. Stats. [649];
- ☐ Perceived environmental contamination - [649];
- ☐ hazardous waste - s. 292.24 (2), Wis. Stats. [649]; and/or
- ☐ solid waste - s. 292.23 (2), Wis. Stats. [649].

❖ **Include a fee of \$700, a summary of the environmental liability clarification being requested, and the following:**

- (1) clear supporting documentation showing the acquisition method used, and the steps followed under the appropriate state statute(s).
- (2) current and proposed ownership status of the Property;
- (3) date and means by which the Property was acquired by the LGU, where applicable;
- (4) a map and the 1/4, 1/4 section location of the Property;
- (5) summary of current uses of the Property;
- (6) intended or potential use(s) of the Property;
- (7) descriptions of other investigations that have taken place on the Property; and
- (8) (for solid waste clarifications) a summary of the license history of the facility.

Technical Assistance, Environmental Liability Clarification or Post-Closure Modification Request

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Section 4. Request for Liability Clarification (cont.)

☐ Lease liability clarification - s. 292.55, Wis. Stats. [646]

❖ **Include a fee of \$700 for a single Property, or \$1400 for multiple Properties and the information listed below:**

- (1) a copy of the proposed lease;
- (2) the name of the current owner of the Property and the person who will lease the Property;
- (3) a description of the lease holder's association with any persons who have possession, control, or caused a discharge of a hazardous substance on the Property;
- (4) map(s) showing the Property location and any suspected or known sources of contamination detected on the Property;
- (5) a description of the intended use of the Property by the lease holder, with reference to the maps to indicate which areas will be used. Explain how the use will not interfere with any future investigation or cleanup at the Property; and
- (6) all reports or investigations (e.g. Phase I and Phase II Environmental Assessments and/or Site Investigation Reports conducted under s. NR 716, Wis. Adm. Code) that identify areas of the Property where a discharge has occurred.

General or other environmental liability clarification - s. 292.55, Wis. Stats. [682] - Explain your request below.

❖ **Include a fee of \$700 and an adequate summary of relevant environmental work to date.**

☐ No Action Required (NAR) - NR 716.05, [682]

❖ **Include a fee of \$700.**

Use where an environmental discharge has or has not occurred, and applicant wants a DNR determination that no further assessment or clean-up work is required. Usually this is requested after a Phase I and Phase II environmental assessment has been conducted; the assessment reports should be submitted with this form. This is not a closure letter.

☐ Clarify the liability associated with a "closed" Property - s. 292.55, Wis. Stats. [682]

❖ **Include a fee of \$700.**

- Include a copy of any closure documents if a state agency other than DNR approved the closure.

Use this space or attach additional sheets to provide necessary information, explanations or specific questions to be answered by the DNR.

Section 5. Request for a Specialized Agreement

Select the type of agreement needed. Include the appropriate draft agreements and supporting materials. Complete Sections 6 and 7 of this form. More information and model draft agreements are available at: dnr.wi.gov/topic/Brownfields/Igu.html#tabx4.

☐ Tax cancellation agreement - s. 75.105(2)(d), Wis. Stats. [654]

❖ **Include a fee of \$700, and the information listed below:**

- (1) Phase I and II Environmental Site Assessment Reports,
- (2) a copy of the Property deed with the correct legal description.

☐ Agreement for assignment of tax foreclosure judgement - s. 75.106, Wis. Stats. [666]

❖ **Include a fee of \$700, and the information listed below:**

- (1) Phase I and II Environmental Site Assessment Reports,
- (2) a copy of the Property deed with the correct legal description.

☐ Negotiated agreement - Enforceable contract for non-emergency remediation - s. 292.11(7)(d) and (e), Wis. Stats. [630]

❖ **Include a fee of \$1400, and the information listed below:**

- (1) a draft schedule for remediation; and,
- (2) the name, mailing address, phone and email for each party to the agreement.

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Section 6. Other Information Submitted

Identify all materials that are included with this request.

Send both a paper copy of the signed form and all reports and supporting materials, and an electronic copy of the form and all reports, including Environmental Site Assessment Reports, and supporting materials on a compact disk.

Include one copy of any document from any state agency files that you want the Department to review as part of this request. The person submitting this request is responsible for contacting other state agencies to obtain appropriate reports or information.

- ☐ Phase I Environmental Site Assessment Report - Date: _____
- ☐ Phase II Environmental Site Assessment Report - Date: _____
- ☐ Legal Description of Property (required for all liability requests and specialized agreements)
- ☐ Map of the Property (required for all liability requests and specialized agreements)
- Analytical results of the following sampled media: Select all that apply and include date of collection.
- ☐ Groundwater ☐ Soil ☐ Sediment ☐ Other medium - Describe: _____
- Date of Collection: _____
- ☐ A copy of the closure letter and submittal materials
- ☐ Draft tax cancellation agreement
- ☐ Draft agreement for assignment of tax foreclosure judgment
- ☒ Other report(s) or information - Describe: "Additional Site Investigation for NR 716 Site Investigation" letter report

For Property with newly identified discharges of hazardous substances only: Has a notification of a discharge of a hazardous substance been sent to the DNR as required by s. NR 706.05(1)(b), Wis. Adm. Code?

- ☐ Yes - Date (if known): _____
- ☐ No

Note: The Notification for Hazardous Substance Discharge (non-emergency) form is available at:
dnr.wi.gov/files/PDF/forms/4400/4400-225.pdf.

Section 7. Certification by the Person who completed this form

- ☐ I am the person submitting this request (requester)
- ☒ I prepared this request for: Tim Ludolph of City of Berlin
Requester Name

I certify that I am familiar with the information submitted on this request, and that the information on and included with this request is true, accurate and complete to the best of my knowledge. I also certify I have the legal authority and the applicant's permission to make this request.

Adam J. Roder
Signature

10/14/2022
Date Signed

Senior Engineer / Hydrogeologist
Title

(414) 643-4200
Telephone Number (include area code)

Technical Assistance, Environmental Liability Clarification or Post-Closure Modification Request

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Section 8. DNR Contacts and Addresses for Request Submittals

Send or deliver one paper copy and one electronic copy on a compact disk of the completed request, supporting materials, and fee to the region where the property is located to the address below. Contact a [DNR regional brownfields specialist](#) with any questions about this form or a specific situation involving a contaminated property. For electronic document submittal requirements see:

<http://dnr.wi.gov/files/PDF/pubs/rr/RR690.pdf>.

DNR NORTHERN REGION

Attn: RR Program Assistant
Department of Natural Resources
223 E Steinfest Rd Antigo, WI 54409

DNR NORTHEAST REGION

Attn: RR Program Assistant
Department of Natural Resources
2984 Shawano Avenue
Green Bay WI 54313

DNR SOUTH CENTRAL REGION

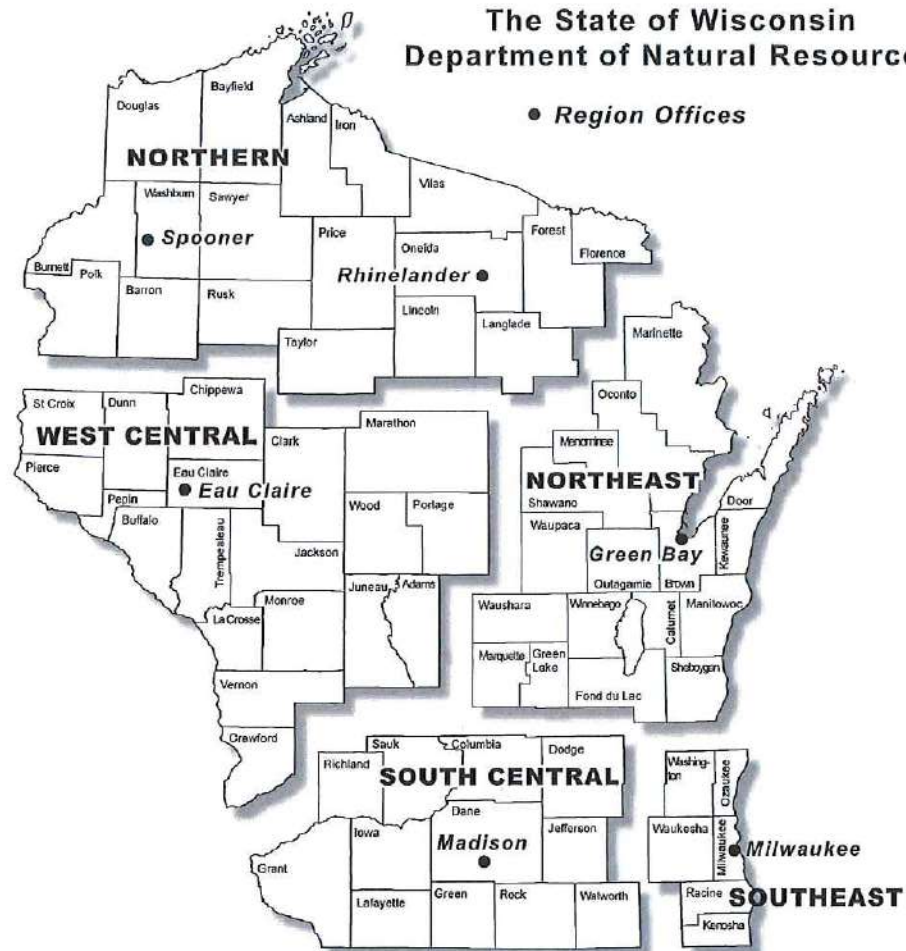
Attn: RR Program Assistant
Department of Natural Resources
3911 Fish Hatchery Road
Fitchburg WI 53711

DNR SOUTHEAST REGION

Attn: RR Program Assistant
Milwaukee DNR Office
1027 West St. Paul Ave
Milwaukee WI 53233

DNR WEST CENTRAL REGION

Attn: RR Program Assistant
Department of Natural Resources
1300 Clairemont Ave.
Eau Claire WI 54702



Note: These are the Remediation and Redevelopment Program's designated regions. Other DNR program regional boundaries may be different.

DNR Use Only			
Date Received	Date Assigned	BRRTS Activity Code	BRRTS No. (if used)
DNR Reviewer		Comments	
Fee Enclosed? ☐ Yes ☐ No	Fee Amount \$	Date Additional Information Requested	Date Requested for DNR Response Letter
Date Approved	Final Determination		

October 14, 2022

Project Reference #19228

Ms. Gwen Saliars
Wisconsin Department of Natural Resources
Remediation & Redevelopment Program
625 E. County Road Y, Suite 700
Oshkosh, WI 54901

**Subject: Additional Site Investigation for NR 716 Site Investigation
Old Safeguard Property – LGU
114 Pierce Street & 119 Commercial Street, Berlin, WI
WDNR BRRTS #02-24-563323**

Dear Ms. Saliars:

The Sigma Group, Inc. (Sigma) has prepared this letter report to document the recent supplemental site investigation activities completed at the Old Safeguard Property - LGU project located at 114 Pierce Street and 119 Commercial Street in Berlin, Wisconsin (hereinafter the "Site"). The supplemental investigation activities were performed in response to the August 2021 letter¹ issued by Wisconsin Department of Natural Resources (WDNR). Sigma and the City of Berlin request that the WDNR concur that NR 716 site investigation activities are complete; a \$1,050 check for the WDNR review fee has been included with this submittal.

In summary, the August 2021 letter provided the following comments (summarized by Sigma, followed by brief responses) regarding the June 2021 *Site Investigation Report*² that was submitted to the WDNR for review:

- The soil investigation is complete. However, the soil quality maps depicting polycyclic aromatic hydrocarbons (PAHs) and metals impacts should show the impacts extending across the entire Site as they are associated with historic fill that is present at the whole Site, and the metals impacts that extend off-site should include a note indicating that the impacts are associated with fill that also extends off-site.
 - Updated soil quality maps are included in **Attachment 1**.
- The groundwater investigation is complete; however, additional groundwater monitoring from the existing well network is required to better evaluate concentration trends over time.
 - Two groundwater sampling events were completed in April and September 2022 as documented within this report.

¹ *Site Investigation Incomplete – Additional Investigation Required, Old Safeguard Property - LGU, 114 Pierce St & 119 Commercial St, Berlin, WI, WDNR BRRTS #: 02-24-563323* letter by WDNR (dated August 3, 2021)

² *Site Investigation Report, Old Safeguard Property (LGU), 114 Pierce Street & 119 Commercial Street, Berlin, Wisconsin 54923, BRRTS #02-24-563323* by Sigma (dated June 8, 2021)

- Vapor intrusion investigation is needed at 120 Commercial Street (east of the Site) as the building is within 100 feet of chlorinated volatile organic compound (CVOC) impacted soil and having a basement foundation / sump potentially in contact with CVOC impacted groundwater.
 - Sigma collected groundwater samples from the basement sump and performed indoor air sampling to evaluate the vapor intrusion concern for this building; a summary of the investigation field procedures and the results are documented within this report.

SUPPLEMENTAL SITE INVESTIGATION ACTIVITIES

The supplemental site investigation activities as recommended with the WDNR's August 2021 letter were completed by Sigma between April and September 2022.

Groundwater Sampling Activities. Groundwater samples, as well as depth to water measurements and *in situ* data (pH, temperature, ferrous iron, dissolved oxygen, and reduction-oxidation [redox] potential), were collected from monitoring wells MW-1 through MW-12 and piezometer PZ-6 on April 4 and September 12, 2022. After purging approximately four well volumes from each monitoring well, groundwater samples were collected with new disposable bailers and placed into laboratory-supplied 40-milliliter (mL) vials preserved with hydrochloric acid. The samples were shipped to the environmental laboratory (Synergy Environmental Lab, LLC in Appleton, Wisconsin) for analysis of volatile organic compounds (VOCs) by Environmental Protection Agency (EPA) Method 8260.

Duplicate groundwater (from well MW-3 for the April sampling event, and from well MW-1 for the September sampling event), field equipment blank, and laboratory-supplied trip blank samples were collected and analyzed during the sampling events for quality assurance/quality control (QA/QC) purposes. Trip blank and field equipment blank samples were analyzed for VOCs to determine if contaminants infiltrated the samples during transportation or field sampling procedures, and the duplicate groundwater samples were collected to measure laboratory precision and reproducibility of VOC data.

A sample of groundwater was also collected from the sump within the basement of the 120 Commercial Street property during the April 2022 groundwater sampling event, and again during the July 2022 vapor sampling activities (described below). After turning on the sump pump to evacuate stagnant water, a water sample was collected with a new plastic bottle and transferred into laboratory-supplied 40-mL vials preserved with hydrochloric acid. The sample collected in April was analyzed for VOCs and the sample collected in July was analyzed for select chlorinated VOCs (CVOCs), including tetrachloroethene (PCE), trichloroethene (TCE), cis-1,2-dichloroethene (cis-DCE), trans-1,2-dichloroethene (trans-DCE), and vinyl chloride (VC).

Vapor Intrusion Assessment Activities. Two passive vapor samples were collected within the basement of the 120 Commercial Street property between July 7 and July 29, 2022 (duration of 22 days). Following discussions with WDNR personnel and the environmental laboratory (Eurofins Air Toxics), Waterloo Membrane Sampler™ devices were selected for this basement application with potentially humid air resulting from groundwater seeps through the basement walls and across the basement floor to the sump. One passive vapor sampler was suspended at approximately five feet above the basement floor adjacent to the western wall within the water heater/sink room (refer to Figure 1) as close as possible to monitoring well MW-5 which had exhibited PCE concentrations in groundwater slightly greater than its

NR 140 Preventive Action Limit (PAL). A second passive vapor sampler was suspended immediately above the basement sump at an elevation even with the adjacent concrete floor surface. As discussed with the WDNR before the vapor assessment work, the sump did not have a cover to allow for the collection of a standard headspace vapor sample, and a sump cover could not be retrofitted as groundwater seeping through the basement walls ran across the floor surface and into the sump. In addition to the two passive air samples, a trip blank was also included for QA/QC purposes. The samples were shipped to the environmental laboratory (Eurofins Air Toxics in Folsom, California) for analysis of CVOCs by modified EPA Method TO-17. Photographs of the vapor assessment activities are included as **Attachment 2**.

Investigation Derived Waste Disposal. Groundwater generated from the two groundwater sampling events was discharged to the sanitary sewer manhole located at the intersection of Commercial Street and Franklin Street (just southeast of the Site) as approved by the City of Berlin Public Works - Water and Sanitary Utility. Approximately 89 gallons of water were disposed of as a result of the April 2022 sampling event, and approximately 55 gallons of water were disposed during the September 2022 sampling event.

SITE INVESTIGATION RESULTS

The following summarizes the results of the supplemental site investigation activities.

Hydrogeology. The most recent (September 2022) depth to water measurements indicate that shallow groundwater ranges from approximately 6.5 feet below ground surface (bgs) at well MW-10 to 11.4 feet bgs at well MW-8; groundwater elevation data are summarized in **Table 1**. The water levels as measured in April and September 2022 were similar to previous water level measurements, but seasonal fluctuations of several tenths of a foot up to approximately two feet were observed within most monitoring wells. Groundwater elevations from the monitoring wells in April and September 2022 indicate that shallow groundwater generally flows east across the Site toward the Fox River as shown in **Figures 2 and 3**, which is consistent with previous interpretations of shallow groundwater flow. (The Fox River, which is approximately 250 feet east of wells MW-4 and MW-5, flows south to north.) The calculated horizontal hydraulic gradient among wells MW-4, MW-5, and MW-7 for the September 2022 sampling event is approximately 0.002 feet per foot (ft/ft), while the vertical gradient between shallow well MW-6 and nested piezometer PZ-6 is approximately 0.04 ft/ft in a downward direction.

Groundwater Quality Results. A summary of groundwater quality results is provided below. Data are also summarized in **Table 2** and **Figure 4**, and the groundwater laboratory analytical reports for the April and September sampling events are included as **Attachment 3**. The groundwater laboratory analytical report for the July 2022 sampling event from the 120 Commercial Street sump is included as **Attachment 4**.

CVOCs are the primary constituents of concern at the Site. It is noted that some petroleum VOCs (PVOCs) have also been detected in off-site monitoring well MW-4 located east of the Site, somewhat consistent with the July 2019 groundwater sampling event; however, PVOCs were not detected within on-site monitoring wells. Following is discussion of the VOC analytical results relative to NR 140 Enforcement Standards (ESs) and PALs, as well as previous results within individual wells:

- MW-1: PCE was reported at a concentration slightly greater than its NR 140 ES during the April 2022 sampling event, but the concentration decreased (between the NR 140 ES and PAL) during

the September 2022 sampling event. Other VOCs were reported below the laboratory detection limits. Overall, the PCE concentrations within well MW-1 appear to be slightly decreasing to stable over time.

- MW-2: PCE was reported at estimated concentrations slightly greater than its NR 140 PAL during the April and September 2022 sampling events. Other VOCs were reported below the laboratory detection limits. The PCE concentrations within well MW-2 are stable since the December 2014 sampling event. This location adequately defines the southern edge of the CVOC plume.
- MW-3: PCE was detected at concentrations greater than its NR 140 ES during the April and September 2022 sampling events. Other VOCs were reported below the laboratory detection limits, except TCE and cis-DCE during the April 2022 event (both concentrations were less than their respective NR 140 PALs). The PCE concentrations are stable over time, and CVOC degradation compounds TCE, cis-DCE, and VC appear to be decreasing since 2014.
- MW-4: Elevated concentrations of CVOCs (greater than NR 140 PALs) were not detected within this well for the April or September 2022 sampling events, which is consistent with past results. This location defines the east-northeastern edge of the CVOC plume.

During the April 2022 sampling event, one PVOC (trimethylbenzenes) was detected at a concentration greater than its NR 140 PAL, and one PVOC (benzene) was detected at an estimated concentration greater than its NR 140 PAL. For the September 2022 sampling event, three PVOCs were reported greater than their respective NR 140 ESs, including benzene, naphthalene, and total trimethylbenzenes. One PVOC (ethylbenzene) was also detected at a concentration greater than its NR 140 PAL during this latest sampling event. As mentioned previously, these more elevated concentrations of PVOCs as observed during the September 2022 sampling event have not been detected since the July 2019 sampling event. It is suspected that these impacts may be the result of an off-site source.

- MW-5: PCE was reported at concentrations greater than its NR 140 PAL during the April and September 2022 sampling events, which is consistent with past sampling events. Other VOCs were reported below the laboratory detection limits and/or NR 140 PALs. This location adequately defines the eastern edge of the CVOC plume.
- MW-6: PCE and TCE concentrations within well MW-6 are the greatest reported for the Site. The PCE concentrations for the April and September 2022 sampling events were 73 micrograms per liter ($\mu\text{g/L}$) and 16.4 $\mu\text{g/L}$, respectively, while the TCE concentrations were reported at 33 $\mu\text{g/L}$ and 14.8 $\mu\text{g/L}$, respectively. Overall, these PCE and TCE concentrations are stable to decreasing at this location. CVOC daughter compound cis-DCE was detected at concentrations greater than its NR 140 PAL during each sampling event, and VC fluctuated from non-detect (less than 0.15 $\mu\text{g/L}$) to 1.17 $\mu\text{g/L}$ (greater than its NR 140 ES). Again, the presence of daughter compounds cis-1,2-DCE and VC suggest that PCE and TCE are naturally degrading in the subsurface.
- PZ-6: VOCs were reported less than the laboratory detection limits, except for an estimated concentration of PCE greater than its NR 140 PAL during the September 2022 sampling event. The results from piezometer PZ-6 indicate that the vertical extent of CVOC impacts are defined at the Site.

- MW-7: No VOCs were detected during the April or September 2022 sampling events and this location defines the western edge of the CVOC plume.
- MW-8: No VOCs were detected during the April or September 2022 sampling events and this location defines the western edge of the CVOC plume.
- MW-9: No VOCs were detected during the April or September 2022 sampling events and this location defines the northwestern edge of the CVOC plume.
- MW-10: No VOCs were detected during the April or September 2022 sampling events and this location defines the northern edge of the CVOC plume.
- MW-11: No VOCs were detected during the April or September 2022 sampling events and this location defines the northern edge of the CVOC plume.
- MW-12: No VOCs were detected during the April or September 2022 sampling events and this location defines the northeastern edge of the CVOC plume.

Duplicate VOC samples, one of which (April 2022) was collected from monitoring well MW-3 and a second of which (September 2022) was collected from monitoring well MW-1, were consistent with original samples from each monitoring well. The reported VOC results were less than the laboratory detection limits within the equipment and trip blanks for both events, except for low-level methylene chloride detections within the September 2022 trip blank and equipment blank samples. Methylene chloride was not detected within the groundwater samples, indicating a likely laboratory artifact.

In situ measurements are summarized in Table 3. Dissolved oxygen and redox potential measurements were generally indicative of aerobic groundwater conditions during the April and September 2022 groundwater sampling events, which is consistent with previous *in situ* information. Although aerobic groundwater conditions are not conducive to CVOC degradation, the presence of PCE daughter products TCE, cis-1,2-DCE, and VC at the Site indicate that some natural attenuation processes have occurred and/or are still occurring. pH (near neutral) and temperature (typical seasonal fluctuations) measurements are generally suitable for biodegradation processes to take place.

Vapor Quality Results. Within the two passive vapor samples that were collected in the basement of the 120 Commercial Street property July 2022, there were no detections of CVOC constituents and the results are less than Vapor Action Levels (VALs) for residential, small commercial, and large commercial buildings. Furthermore, there were no detections of VOCs or CVOCs within the groundwater samples collected from the sump in April and July 2022. The analytical results of the indoor air sampling are summarized in Table 4 and on Figure 5; the indoor air laboratory analytical report is included as Attachment 5.

CONCLUSIONS

Based on the data collected during the recent supplemental investigation activities conducted at the Site, the following conclusions are presented:

- Groundwater was present at approximately 5 to 11 feet bgs during the two sampling events in 2022, and shallow groundwater generally flows east across the Site towards the Fox River.
- Dissolved CVOC impacts to groundwater that currently exceed NR 140 ESs are limited to shallow wells MW-3 and MW-6 (well MW-1 also contained a PCE concentration greater than its MR 140 ES during the April 2022 sampling event, but was slightly less than its NR 140 ES during the September 2022 sampling event). Other perimeter wells contain some NR 140 PAL exceedances for CVOCs; however, the overall horizontal and vertical extent of the groundwater plume has been defined as depicted on **Figure 4**. Overall, the dissolved CVOC concentrations in groundwater are stable or slightly decreasing over time.
- The groundwater sampling from the sump within the basement of the 120 Commercial Street property indicates that impacted groundwater is not in contact with the building foundation. Furthermore, the passive indoor air samples did report detectable CVOCs and the results are less than WDNR VALs.

RECOMMENDATIONS

Sigma and the City of Berlin request that the WDNR concur that NR 716 site investigation activities are complete and no further investigation work is required for soil, groundwater, and vapor matrixes.

If you have any questions or need additional assistance, please call us at (414) 643-4200.

Sincerely,

THE SIGMA GROUP



Jason M. Drews, P.G.
Project Geologist



Adam J. Roder, P.E., P.G.
Senior Engineer

Attachments

\$1,050 check for WDNR review fee

Table 1 - Static Groundwater Elevations

Table 2 - Groundwater Analytical Data

Table 3 - Groundwater *In Situ* Measurements

Table 4 - Indoor Air Analytical Data

Figure 1 - Site Plan Map

Figure 2 - Groundwater Contour Map (4/4/2022)

Figure 3 - Groundwater Contour Map (9/12/2022)

Figure 4 - Groundwater Quality Map

Figure 5 - Indoor Air Quality Map

Wisconsin Department of Natural Resources
October 14, 2022
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Attachment 1 - Updated Soil Quality Maps for PAHs and Metals
Attachment 2 - Vapor Assessment Photographs
Attachment 3 - Groundwater Laboratory Analytical Reports
Attachment 4 - Sump Water Laboratory Analytical Report
Attachment 5 - Indoor Air Laboratory Analytical Report

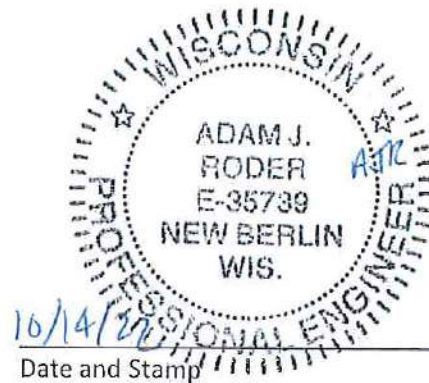
cc: Tim Ludolph, City of Berlin (via email: TLudolph@cityofberlin.wi.gov)
WDNR RR Submittal Portal

CERTIFICATION STATEMENT

"I, Adam J. Roder, hereby certify that I am a registered professional engineer in the State of Wisconsin, registered in accordance with the requirements of ch. A-E 4, Wis. Adm. Code; that this document has been prepared in accordance with the Rules of Professional Conduct in ch. A-E 8, Wis. Adm. Code; and that, to the best of my knowledge, all information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code."

Adam J. Roder

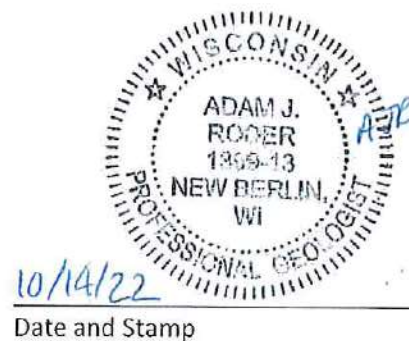
Signature
Senior Engineer



"I, Adam J. Roder, hereby certify that I am a hydrogeologist as that term is defined in s. NR 712.03(1), Wis. Adm. Code, and registered in accordance with the requirements of ch. GHSS 2, Wis. Adm. Code, or licensed in accordance with the requirements of ch. GHSS 3, Wis. Adm. Code, and that, to the best of my knowledge, all information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code."

Adam J. Roder

Signature
Senior Engineer



TABLES

Table 1
Static Groundwater Elevations
Old Safeguard Property LGU - 114 Pierce Street and 119 Commercial Street, Berlin, Wisconsin
Sigma Project No. 19228

MW-1							
Ground Elev.: 782.2 (feet MSL)		Screen Interval: 5.4 to 15.4 (feet bgs)					
TOC Elev.: 761.75 (feet MSL)		756.8 to 746.8 (feet MSL)					
Date	Depth to Groundwater (feet TOC)	Well Depth (feet TOC)	Water Column (feet)	Water Column (feet)	Groundwater Elevation (feet MSL)	Depth to Groundwater (feet bgs)	Physical Observations
12/3/14	8.14	14.95	6.81	---	753.61	8.6	clear, no odor, good recovery
7/30/19	6.12	14.60	8.48	2.02	755.63	6.6	clear, no odor, good recovery
10/28/19	5.26	14.60	9.34	0.86	756.49	5.8	mostly clear, no odor, good recovery
3/22/21	6.37	14.75	8.38	-1.11	755.38	6.9	turbid, no odor, good recovery
4/4/22	6.56	14.75	8.19	-0.19	755.19	7.1	turbid, no odor, good recovery
9/12/22	8.04	14.75	6.71	-1.48	753.71	8.5	turbid, no odor, slow recovery

MW-2							
Ground Elev.: 762.6 (feet MSL)		Screen Interval: 6.6 to 16.6 (feet bgs)					
TOC Elev.: 762.24 (feet MSL)		756.1 to 746.1 (feet MSL)					
Date	Depth to Groundwater (feet TOC)	Well Depth (feet TOC)	Water Column (feet)	Water Column (feet)	Groundwater Elevation (feet MSL)	Depth to Groundwater (feet bgs)	Physical Observations
12/3/14	8.86	16.20	7.34	---	753.38	9.2	clear, no odor, good recovery
7/30/19	6.94	15.85	8.91	1.92	755.30	7.3	turbid, no odor, good recovery
10/28/19	5.98	15.85	9.87	0.96	756.26	6.3	slightly turbid, no odor, good recovery
3/22/21	7.07	15.85	8.78	-1.09	755.17	7.4	turbid, no odor, good recovery
4/4/22	7.75	15.85	8.10	-0.68	754.49	8.1	turbid, no odor, good recovery
9/12/22	8.73	15.85	7.12	-0.98	753.51	9.1	turbid, no odor, moderate recovery

MW-3							
Ground Elev.: 760.4 (feet MSL)		Screen Interval: 5.6 to 15.6 (feet bgs)					
TOC Elev.: 760.17 (feet MSL)		754.8 to 744.8 (feet MSL)					
Date	Depth to Groundwater (feet TOC)	Well Depth (feet TOC)	Water Column (feet)	Water Column (feet)	Groundwater Elevation (feet MSL)	Depth to Groundwater (feet bgs)	Physical Observations
12/3/14	6.92	15.30	8.38	---	753.25	7.2	clear, no odor, good recovery
7/30/19	5.09	15.05	9.96	1.83	755.08	5.3	turbid, no odor, good recovery
10/28/19	4.18	15.05	10.87	0.91	755.99	4.4	turbid, no odor, good recovery
3/22/21	5.20	15.00	9.80	-1.02	754.97	5.5	turbid, no odor, good recovery
4/4/22	5.26	15.00	9.74	-0.06	754.91	5.5	turbid, no odor, good recovery
9/12/22	6.82	15.00	8.18	-1.56	753.35	7.1	turbid, no odor, good recovery

MW-4							
Ground Elev.: 760.4 (feet MSL)		Screen Interval: 3.6 to 13.6 (feet bgs)					
TOC Elev.: 760.17 (feet MSL)		756.9 to 746.9 (feet MSL)					
Date	Depth to Groundwater (feet TOC)	Well Depth (feet TOC)	Water Column (feet)	Water Column (feet)	Groundwater Elevation (feet MSL)	Depth to Groundwater (feet bgs)	Physical Observations
7/30/19	5.32	13.25	7.93	---	754.85	5.5	turbid, slight odor, good recovery
10/28/19	4.30	13.25	8.95	1.02	755.87	4.5	turbid, no odor, good recovery
3/22/21	5.39	13.20	7.81	-1.09	754.78	5.6	turbid, odor, good recovery
4/4/22	5.62	13.20	7.58	-0.23	754.55	5.8	turbid, slight odor, good recovery
9/12/22	6.98	13.20	6.22	-1.36	753.19	7.2	turbid, slight odor, slow recovery

MW-5							
Ground Elev.: 759.9 (feet MSL)		Screen Interval: 4.2 to 14.2 (feet bgs)					
TOC Elev.: 759.65 (feet MSL)		755.7 to 745.7 (feet MSL)					
Date	Depth to Groundwater (feet TOC)	Well Depth (feet TOC)	Water Column (feet)	Water Column (feet)	Groundwater Elevation (feet MSL)	Depth to Groundwater (feet bgs)	Physical Observations
7/30/19	4.83	13.85	9.02	---	754.82	5.1	turbid, no odor, good recovery
10/28/19	3.78	13.85	10.07	1.05	755.87	4.0	turbid, no odor, good recovery
3/22/21	4.82	13.65	8.83	-1.24	754.83	5.0	turbid, no odor, good recovery
4/4/22	4.85	13.65	8.80	-0.03	754.80	5.1	turbid, no odor, good recovery
9/12/22	6.49	13.65	7.16	-1.64	753.16	6.7	slightly turbid, no odor, good recovery

Table 1
Static Groundwater Elevations
Old Safeguard Property LGU - 114 Pierce Street and 119 Commercial Street, Berlin, Wisconsin
Sigma Project No. 19228

MW-6							
Ground Elev.: 761.0 (feet MSL)		Screen Interval: 4.1 to 14.1 (feet bgs)					
TOC Elev.: 760.76 (feet MSL)		756.9 to 746.9 (feet MSL)					
Date	Depth to Groundwater (feet TOC)	Well Depth (feet TOC)	Water Column (feet)	Water Column (feet)	Groundwater Elevation (feet MSL)	Depth to Groundwater (feet bgs)	Physical Observations
7/30/19	4.65	13.75	9.10	---	756.11	4.9	turbid, no odor, good recovery
10/28/19	4.66	13.75	9.09	-0.01	756.10	4.9	slightly turbid, no odor, good recovery
3/22/21	5.23	13.70	8.47	-0.62	755.53	5.5	turbid, no odor, good recovery
4/4/22	4.75	13.70	8.95	0.48	756.01	5.0	turbid, no odor, good recovery
9/12/22	6.53	13.70	7.17	-1.78	754.23	6.8	turbid, no odor, slow recovery

MW-7							
Ground Elev.: 763.9 (feet MSL)		Screen Interval: 5.0 to 15.0 (feet bgs)					
TOC Elev.: 763.66 (feet MSL)		758.9 to 748.9 (feet MSL)					
Date	Depth to Groundwater (feet TOC)	Well Depth (feet TOC)	Water Column (feet)	Water Column (feet)	Groundwater Elevation (feet MSL)	Depth to Groundwater (feet bgs)	Physical Observations
7/30/19	7.82	14.65	6.83	---	755.84	8.1	turbid, no odor, good recovery
10/28/19	7.00	14.65	7.65	0.82	756.86	7.2	turbid, no odor, good recovery
3/22/21	8.15	14.45	6.30	-1.35	755.51	8.4	turbid, no odor, good recovery
4/4/22	7.00	14.45	7.45	1.15	756.86	7.2	slightly turbid, no odor, good recovery
9/12/22	9.79	14.45	4.66	-2.79	753.87	10.0	turbid, no odor, slow recovery

MW-8							
Ground Elev.: 765.5 (feet MSL)		Screen Interval: 4.0 to 14.0 (feet bgs)					
TOC Elev.: 765.19 (feet MSL)		761.5 to 751.5 (feet MSL)					
Date	Depth to Groundwater (feet TOC)	Well Depth (feet TOC)	Water Column (feet)	Water Column (feet)	Groundwater Elevation (feet MSL)	Depth to Groundwater (feet bgs)	Physical Observations
3/19/21	9.42	13.60	4.18	---	755.77	9.7	development event
3/22/21	9.41	13.60	4.19	0.01	755.78	9.7	turbid, no odor, fair recovery
4/4/22	4.77	13.60	8.83	4.84	760.42	5.0	turbid, no odor, moderate recovery
9/12/22	11.11	13.60	2.49	-6.34	754.08	11.4	turbid, no odor, slow recovery

MW-9							
Ground Elev.: 762.3 (feet MSL)		Screen Interval: 4.0 to 14.0 (feet bgs)					
TOC Elev.: 762.07 (feet MSL)		758.3 to 748.3 (feet MSL)					
Date	Depth to Groundwater (feet TOC)	Well Depth (feet TOC)	Water Column (feet)	Water Column (feet)	Groundwater Elevation (feet MSL)	Depth to Groundwater (feet bgs)	Physical Observations
3/19/21	6.43	13.60	7.17	---	755.64	6.6	development event
3/22/21	6.45	13.60	7.15	-0.02	755.62	6.6	turbid, no odor, good recovery
4/4/22	6.33	13.60	7.27	0.12	755.74	6.5	turbid, no odor, good recovery
9/12/22	7.38	13.60	6.21	-1.06	754.88	7.6	turbid, no odor, slow recovery

MW-10							
Ground Elev.: 762.0 (feet MSL)		Screen Interval: 4.0 to 14.0 (feet bgs)					
TOC Elev.: 761.82 (feet MSL)		758.0 to 748.0 (feet MSL)					
Date	Depth to Groundwater (feet TOC)	Well Depth (feet TOC)	Water Column (feet)	Water Column (feet)	Groundwater Elevation (feet MSL)	Depth to Groundwater (feet bgs)	Physical Observations
3/19/21	6.02	13.55	7.53	---	755.80	6.2	development event
3/22/21	5.93	13.55	7.62	0.09	755.89	6.2	slightly turbid, no odor, fair recovery
4/4/22	5.50	13.55	8.05	0.43	756.32	5.7	turbid, no odor, good recovery
9/12/22	6.25	13.55	7.30	-0.75	755.57	6.5	turbid, no odor, slow recovery

Table 1
Static Groundwater Elevations
Old Safeguard Property LGU - 114 Pierce Street and 119 Commercial Street, Berlin, Wisconsin
Sigma Project No. 19228

MW-11							
Ground Elev.:	761.4	(feet MSL)	Screen Interval:				
TOC Elev.:	761.05	(feet MSL)	4.0 to 14.0 (feet bgs)				
			757.4 to 747.4 (feet MSL)				
Date	Depth to Groundwater (feet TOC)	Well Depth (feet TOC)	Water Column (feet)	Water Column (feet)	Groundwater Elevation (feet MSL)	Depth to Groundwater (feet bgs)	Physical Observations
3/19/21	5.84	13.60	7.76	---	755.21	6.2	development event
3/22/21	5.96	13.60	7.64	-0.12	755.09	6.3	turbid, no odor, good recovery
4/4/22	5.27	13.60	8.33	0.69	755.78	5.7	turbid, no odor, good recovery
9/12/22	6.88	13.60	6.72	-1.61	754.17	7.3	turbid, no odor, slow recovery

MW-12							
Ground Elev.:	760.5	(feet MSL)	Screen Interval:				
TOC Elev.:	759.95	(feet MSL)	4.0 to 14.0 (feet bgs)				
			756.5 to 746.5 (feet MSL)				
Date	Depth to Groundwater (feet TOC)	Well Depth (feet TOC)	Water Column (feet)	Water Column (feet)	Groundwater Elevation (feet MSL)	Depth to Groundwater (feet bgs)	Physical Observations
3/19/21	4.96	13.55	8.59	---	754.99	5.6	development event
3/22/21	5.03	13.55	8.52	-0.07	754.92	5.6	turbid, no odor, good recovery
4/4/22	5.11	13.55	8.44	-0.08	754.84	5.7	turbid, no odor, good recovery
9/12/22	6.64	13.55	6.91	-1.53	753.31	7.2	turbid, no odor, good recovery

PZ-6							
Ground Elev.:	761.0	(feet MSL)	Screen Interval:				
TOC Elev.:	760.72	(feet MSL)	25.0 to 30.0 (feet bgs)				
			736.0 to 731.0 (feet MSL)				
Date	Depth to Groundwater (feet TOC)	Well Depth (feet TOC)	Water Column (feet)	Water Column (feet)	Groundwater Elevation (feet MSL)	Depth to Groundwater (feet bgs)	Physical Observations
3/19/21	5.48	29.70	24.22	---	755.24	5.8	development event
3/22/21	5.57	29.70	24.13	-0.09	755.15	5.9	turbid, no odor, good recovery
4/4/22	5.53	29.70	24.17	0.04	755.19	5.9	slightly turbid, no odor, good recovery
9/12/22	7.18	29.70	22.52	-1.65	753.54	7.5	turbid, no odor, slow recovery

Notes:

- Monitoring wells MW-1 through MW-12 and PZ-6 were surveyed by The Sigma Group, Inc. in May 2021 with a Trimble Total Station.
- feet MSL = feet above Mean Sea Level
- feet bgs = feet below ground surface
- feet TOC = feet below top of casing

Data entered / updated by: MMG Date: 9/14/2022
Data checked by: AJR Date: 9/14/2022

Table 2
Groundwater Analytical Data
OM Safeguard Property LGU - 114 Pierce Street and 119 Commercial Street, Berlin, Wisconsin
Sigma Project No. 15228

Well Location:	Date:	MW-3										MW-4										MW-5										NR 140 ES	NR 140 PAL
		12/31/14	7/30/19	10/28/19	3/22/21	4/4/22	4/22 Dup	9/1/22	7/30/19	7/19 Dup	10/28/19	10/19 Dup	3/22/21	4/4/22	9/1/22	7/30/19	10/28/19	3/22/21	4/4/22	9/1/22	7/30/19	10/28/19	3/22/21	4/4/22	9/1/22								
Water Elevation* (feet MSL):		753.21	755.04	755.65	754.97	754.91	---	753.35	754.09	754.19	755.81	---	754.78	754.55	753.18	754.74	755.79	754.83	754.83	753.16	754.74	755.79	754.83	754.83	753.16	754.74	755.79	754.83	754.83	753.16			
VOGCS																																	
Benzene	µg/L	<0.34	<0.22	<0.22	<0.38	<0.3	<0.3	<0.3	8.6	6.5	<2.2	<2.2	<0.38	0.89 J**	8.3	<0.22	<0.22	<0.38	<0.3	<0.3	<0.22	<0.22	<0.38	<0.3	<0.3	5	0.5						
Bromobenzene	µg/L	<0.32	<0.44	<0.44	<0.4	<0.34	<0.34	<0.34	<4.4	<4.4	<4.4	<4.4	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34		
Bromochloromethane	µg/L	<0.37	<0.53	<0.53	<0.47	<0.36	<0.36	<0.36	<3.3	<3.3	<3.3	<3.3	<0.47	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38		
Bromoforn	µg/L	<0.35	<0.45	<0.45	<0.40	<0.42	<0.42	<0.42	<4.5	<4.5	<4.5	<4.5	<0.40	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42		
tert-Butylbenzene	µg/L	<0.36	<0.25	<0.25	<0.45	<0.37	<0.37	<0.37	<2.6	<2.6	<2.6	<2.6	<0.45	<0.37	<0.37	<0.25	<0.25	<0.45	<0.37	<0.37	<0.25	<0.25	<0.45	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37		
sec-Butylbenzene	µg/L	<0.33	<0.79	<0.79	<0.31	<0.33	<0.33	<0.33	10.5 J	16.4 J	<7.9	<7.9	0.77 J	4.1	9.8	<0.78	<0.79	<0.31	<0.33	<0.33	<0.78	<0.79	<0.31	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33		
n-Butylbenzene	µg/L	<0.35	<0.71	<0.71	<0.46	<0.71	<0.71	<0.71	60	62	13.3 J	11.3 J	1.9	8.1	25.2	<0.71	<0.71	<0.46	<0.71	<0.71	<0.46	<0.71	<0.71	<0.46	<0.71	<0.71	<0.71	<0.71	<0.71	<0.71	<0.71		
Carbon Tetrachloride	µg/L	<0.41	<0.21	<0.21	<0.44	<0.34	<0.34	<0.34	<3.1	<3.1	<3.1	<3.1	<0.44	<0.34	<0.34	<0.41	<0.41	<0.21	<0.44	<0.44	<0.21	<0.21	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44		
Chlorobenzene	µg/L	<0.24	<0.29	<0.29	<0.39	<0.29	<0.29	<0.29	<2.6	<2.6	<2.6	<2.6	<0.38	<0.29	<0.29	<0.24	<0.24	<0.29	<0.29	<0.38	<0.29	<0.29	<0.38	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29		
Chloroethane	µg/L	<0.63	<0.61	<0.61	<0.76	<0.62	<0.62	<0.62	<6.1	<6.1	<6.1	<6.1	<0.76	<0.62	<0.62	<0.61	<0.61	<0.76	<0.62	<0.62	<0.61	<0.61	<0.76	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62		
Chloroform	µg/L	<0.28	<0.28	<0.28	<0.4	<0.33	<0.33	<0.33	<2.6	<2.6	<2.6	<2.6	<0.4	<0.33	<0.33	<0.28	<0.28	<0.4	<0.33	<0.33	<0.28	<0.28	<0.4	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33		
Chloromethane	µg/L	<0.81	<0.54	<0.54	<0.84	<0.74	<0.74	<0.74	<5.4	<5.4	<5.4	<5.4	<0.84	<0.74	<0.74	<0.81	<0.81	<0.54	<0.84	<0.84	<0.54	<0.54	<0.84	<0.84	<0.84	<0.84	<0.84	<0.84	<0.84	<0.84	<0.84		
2-Chlorotoluene	µg/L	<0.21	<0.31	<0.31	<0.36	<0.34	<0.34	<0.34	<3.1	<3.1	<3.1	<3.1	<0.36	<0.34	<0.34	<0.21	<0.21	<0.36	<0.34	<0.34	<0.21	<0.21	<0.36	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34		
4-Chlorotoluene	µg/L	<0.21	<0.28	<0.28	<0.4	<0.4	<0.4	<0.4	<2.6	<2.6	<2.6	<2.6	<0.4	<0.4	<0.4	<0.21	<0.21	<0.28	<0.28	<0.4	<0.4	<0.21	<0.21	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28		
trans-1,3-Dichloropropane	µg/L	<0.66	<0.56	<0.56	<0.64	<0.74	<0.74	<0.74	<29.5	<29.5	<29.5	<29.5	<0.64	<0.54	<0.54	<0.66	<0.66	<0.56	<0.64	<0.64	<0.56	<0.56	<0.64	<0.64	<0.64	<0.64	<0.64	<0.64	<0.64	<0.64	<0.64		
Dibromochloromethane	µg/L	<0.22	<0.22	<0.22	<0.45	<0.36	<0.36	<0.36	<2.2	<2.2	<2.2	<2.2	<0.45	<0.36	<0.36	<0.22	<0.22	<0.45	<0.36	<0.36	<0.22	<0.22	<0.45	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36		
1,4-Dichlorobenzene	µg/L	<0.3	<0.7	<0.7	<0.48	<0.48	<0.48	<0.48	<7	<7	<7	<7	<0.48	<0.48	<0.48	<0.3	<0.3	<0.7	<0.48	<0.48	<0.3	<0.3	<0.7	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48		
1,3-Dichlorobenzene	µg/L	<0.28	<0.55	<0.55	<0.38	<0.34	<0.34	<0.34	<8.5	<8.5	<8.5	<8.5	<0.38	<0.34	<0.34	<0.28	<0.28	<0.55	<0.38	<0.38	<0.28	<0.28	<0.55	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38		
1,2-Dichlorobenzene	µg/L	<0.36	<0.66	<0.66	<0.44	<0.4	<0.4	<0.4	<8.6	<8.6	<8.6	<8.6	<0.44	<0.4	<0.4	<0.36	<0.36	<0.66	<0.44	<0.44	<0.36	<0.36	<0.66	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44		
Dichlorodimethane	µg/L	<0.44	<0.22	<0.22	<0.55	<0.3	<0.3	<0.3	<3.2	<3.2	<3.2	<3.2	<0.55	<0.3	<0.3	<0.44	<0.44	<0.22	<0.55	<0.55	<0.22	<0.22	<0.55	<0.55	<0.55	<0.55	<0.55	<0.55	<0.55	<0.55	<0.55		
1,2-Dichloroethane	µg/L	<0.41	<0.25	<0.25	<0.44	<0.43	<0.43	<0.43	<2.5	<2.5	<2.5	<2.5	<0.44	<0.43	<0.43	<0.41	<0.41	<0.25	<0.44	<0.44	<0.25	<0.25	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	
1,1-Dichloroethane	µg/L	<0.4	<0.47	0.85 J**	<0.55	<0.43	<0.43	<0.43	<4.2	<4.2	<4.2	<4.2	<0.55	<0.43	<0.43	<0.4	<0.4	<0.47	<0.55	<0.55	<0.4	<0.4	<0.47	<0.55	<0.55	<0.55	<0.55	<0.55	<0.55	<0.55	<0.55	<0.55	
cis-1,2-Dichloroethene	µg/L	78	1.56	184	88	0.88 J	1.03 J	<0.32	<3.7	<3.7	<3.7	<3.7	0.75 J	0.55 J	0.40 J	<0.37	<0.42 J	1.34 J	5.3	3.5	70	7											
trans-1,2-Dichloroethene	µg/L	0.93 J	2.34	2.5	<0.5	<0.5	<0.5	<0.5	<3.4	<3.4	<3.4	<3.4	<0.5	<0.5	<0.5	<0.34	<0.34	<2.5	<0.5	<0.5	<0.34	<0.34	<2.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		
1,3-Dichloropropane	µg/L	<0.32	<0.44	<0.44	<0.38	<0.38	<0.38	<0.38	<4.4	<4.4	<4.4	<4.4	<0.38	<0.38	<0.38	<0.32	<0.32	<0.44	<0.38	<0.38	<0.32	<0.32	<0.44	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38		
2,2-Dichloropropane	µg/L	<0.35	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1,3-Dichloropropane	µg/L	<0.3	<0.3	<0.3	<0.4	<0.38	<0.38	<0.38	<5	<5	<5	<5	<0.4	<0.38	<0.38	<0.3	<0.3	<0.3	<0.4	<0.38	<0.38	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	
cis-1,3-Dichloropropane	µg/L	NA	<0.32	<0.32	<0.45	<0.41	<0.41	<0.41	<3.2	<3.2	<3.2	<3.2	<0.45	<0.41	<0.41	<0.32	<0.32	<0.45	<0.41	<0.41	<0.32	<0.32	<0.45	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41		
trans-1,3-Dichloropropane	µg/L	NA	<0.28	<0.28	<0.51	<0.41	<0.41	<0.41	<2.6	<2.6	<2.6	<2.6	<0.51	<0.41	<0.41	<0.28	<0.28	<0.51	<0.51	<0.51	<0.28	<0.28	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	
Diisopropyl ether	µg/L	<0.23	<0.21	<0.21	<0.47	<0.48	<0.48	<0.48	<2.1	<2.1	<2.1	<2.1	<0.47	<0.48	<0.48	<0.23	<0.23	<0.47	<0.48	<0.48	<0.23	<0.23	<0.47	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	
EOB (1,2-Dichlor																																	

Table 2
Groundwater Analytical Data
Old Seward Property LGU - 111 Pierce Street and 119 Commercial Street, Berlin, Wisconsin
Slime Project No. 19228

Well Location:	Date:	MW-6										P-24					MW-7					MW-8					NR 140 ES	NR 140 PAL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
		7/30/19										10/28/19					3/22/21					3/21 Dup							4/4/22					9/12/22					3/22/21					4/4/22					9/12/22					7/30/19					10/28/19					3/22/21					4/4/22					9/12/22					7/30/19					10/28/19					3/22/21					4/4/22					9/12/22					7/30/19					10/28/19					3/22/21					4/4/22					9/12/22					7/30/19					10/28/19					3/22/21					4/4/22					9/12/22					7/30/19					10/28/19					3/22/21					4/4/22					9/12/22					7/30/19					10/28/19					3/22/21					4/4/22					9/12/22					7/30/19					10/28/19					3/22/21					4/4/22					9/12/22					7/30/19					10/28/19					3/22/21					4/4/22					9/12/22					7/30/19					10/28/19					3/22/21					4/4/22					9/12/22					7/30/19					10/28/19					3/22/21					4/4/22					9/12/22					7/30/19					10/28/19					3/22/21					4/4/22					9/12/22					7/30/19					10/28/19					3/22/21					4/4/22					9/12/22					7/30/19					10/28/19					3/22/21					4/4/22					9/12/22					7/30/19					10/28/19					3/22/21					4/4/22					9/12/22					7/30/19					10/28/19					3/22/21					4/4/22					9/12/22					7/30/19					10/28/19					3/22/21					4/4/22					9/12/22					7/30/19					10/28/19					3/22/21					4/4/22					9/12/22					7/30/19					10/28/19					3/22/21					4/4/22					9/12/22					7/30/19					10/28/19					3/22/21					4/4/22					9/12/22					7/30/19					10/28/19					3/22/21					4/4/22					9/12/22					7/30/19					10/28/19					3/22/21					4/4/22					9/12/22					7/30/19					10/28/19					3/22/21					4/4/22					9/12/22					7/30/19					10/28/19					3/22/21					4/4/22					9/12/22					7/30/19					10/28/19					3/22/21					4/4/22					9/12/22					7/30/19					10/28/19					3/22/21					4/4/22					9/12/22					7/30/19					10/28/19					3/22/21					4/4/22					9/12/22					7/30/19					10/28/19					3/22/21					4/4/22					9/12/22					7/30/19					10/28/19					3/22/21					4/4/22					9/12/22					7/30/19					10/28/19					3/22/21					4/4/22					9/12/22					7/30/19					10/28/19					3/22/21					4/4/22					9/12/22					7/30/19					10/28/19					3/22/21					4/4/22					9/12/22					7/30/19					10/28/19					3/22/21					4/4/22					9/12/22					7/30/19					10/28/19					3/22/21					4/4/22					9/12/22					7/30/19					10/28/19					3/22/21					4/4/22					9/12/22					7/30/19					10/28/19					3/22/21					4/4/22					9/12/22					7/30/19					10/28/19					3/22/21					4/4/22					9/12/22					7/30/19					10/28/19					3/22/21					4/4/22					9/12/22					7/30/19					10/28/19					3/22/21					4/4/22					9/12/22					7/30/19					10/28/19					3/22/21					4/4/22					9/12/22					7/30/19					10/28/19					3/22/21					4/4/22					9/12/22					7/30/19					10/28/19					3/22/21					4/4/22					9/12/22					7/30/19					10/28/19					3/22/21					4/4/22					9/12/22					7/30/19					10/28/19					3/22/21					4/4/22					9/12/22					7/30/19					10/28/19					3/22/21					4/4/22					9/12/22					7/30/19					10/28/19					3/22/21					4/4/22					9/12/22					7/30/19					10/28/19					3/22/21					4/4/22					9/12/22					7/30/19					10/28/19					3/22/21					4/4/22					9/12/22					7/30/19					10/28/19					3/22/21					4/4/22					9/12/22					7/30/19					10/28/19					3/22/21					4/4/22					9/12/22					7/30/19					10/28/19					3/22/21					4/4/22					9/12/22					7/30/19					10/28/19					3/22/21					4/4/22					9/12/22					7/30/19					10/28/19					3/22/21					4/4/22					9/12/22					7/30/19					10/28/19					3/22/21					4/4/22					9/12/22					7/30/19					10/28/19					3/22/21					4/4/22					9/12/22					7/30/19					10/28/19					3/22/21					4/4/22					9/12/22					7/30/19					10/28/19					3/22/21					4/4/22					9/12/22					7/30/19					10/28/19					3/22/21					4/4/22					9/12/22					7/30/19					10/28/19					3/22/21					4/4/22					9/12/22					7/30/19					10/28/19					3/22/21					4/4/22					9/12/22					7/30/19					10/28/19					3/22/21					4/4/22					9/12/22					7/30/19					10/28/19					3/22/21					4/4/22					9/12/22					7/30/19					10/28/19					3/22/21					4/4/22					9/12/22					7/30/19					10/28/19					3/22/21					4/4/22					9/12/22					7/30/19					10/28/19					3/22/21					4/4/22					9/12/22					7/30/19					10/28/19					3/22/21					4/4/22					9/12/22					7/30/19					10/28/19					3/22/21					4/4/22					9/12/22					7/30/19					10/28/19					3/22/21					4/4/22					9/12/22					7/30/19					10/28/19					3/22/21					4/4/22					9/12/22					7/30/19					10/28/19					3/22/21					4/4/22					9/12/22					7/30/19					10/28/19					3/22/21					4/4/22					9/12/22					7/30/19					10/28/19					3/22/21					4/4/22					9/12/22					7/30/19					10/28/19					3/22/21					4/4/22					9/12/22					7/30/19					10/28/19					3/22/21					4/4/22					9/12/22					7/30/19					10/28/19					3/22/21					4/4/22					9/12/22					7/30/19					10/28/19					3/22/21					4/4/22					9/12/22					7/30/19					10/28/19					3/22/21					4/4/22					9/12/22					7/30/19					10/28/19					3/22/21					4/4/22					9/12/22					7/30/19					10/28/19					3/22/21					4/4/22					9/12/22					7/30/19					10/28/19					3/22/21					4/4/22					9/12/22					7/30/19					10/28/19					3/22/21					4/4/22					9/12/22					7/30/19					10/28/19					3/22/21					4/4/22					9/12/22					7/30/19					10/28/19					3/22/21					4/4/22					9/12/22					7/30/19					10/28/19					3/22/21					4/4/22					9/12/22					7/30/19					10/28/19					3/22/21					4/4/22					9/12/22					7/30/19					10/28/19					3/22/21					4/4/22					9/12/22					7/30/19					10/28/19					3/22/21					4/4/22					9/12/22					7/30/19					10/28/19					3/22/21					4/4/22					9/12/22					7/30/19					10/28/19					3/22/21					4/4/22					9/12/22					7/30/19					10/28/19					3/22/21					4/4/22					9/12/22					7/30/19					10/28/19				

Table 2
Groundwater Analytical Data
Old Safeguard Property LGU - 111 Pierce Street and 118 Commercial Street, Berlin, Wisconsin
Sigma Project No. 19228

Well Location:	Date:	MW-8			MW-10			MW-11			MW-12			120 Commercial Sump		NR 140 ES	NR 140 PAL	
		3/22/21	4/4/22	9/12/22	3/22/21	4/4/22	9/12/22	3/22/21	4/4/22	9/12/22	3/22/21	4/4/22	9/12/22	4/2/22	7/29/22			
Water Elevation* (feet MSL)		755.62	755.74	754.66	755.69	754.32	755.67	755.29	755.76	754.17	754.83	754.84	753.31					
VOCs																		
Benzene	µg/L	<0.30	<0.3	<0.3	<0.30	<0.3	<0.3	<0.30	<0.3	<0.3	<0.30	<0.3	<0.3	<0.3	NA	5	0.5	
Bromobenzene	µg/L	<0.4	<0.34	<0.34	<0.4	<0.34	<0.34	<0.4	<0.34	<0.34	<0.4	<0.34	<0.34	<0.34	NA	NS	NS	
Bromochloromethane	µg/L	<0.47	<0.36	<0.36	<0.47	<0.36	<0.36	<0.47	<0.36	<0.36	<0.47	<0.36	<0.36	<0.36	NA	0.6	0.06	
Bromoform	µg/L	<0.48	<0.42	<0.42	<0.48	<0.42	<0.42	<0.46	<0.42	<0.42	<0.46	<0.42	<0.42	<0.42	NA	4.4	0.44	
tert-Butylbenzene	µg/L	<0.45	<0.37	<0.37	<0.45	<0.37	<0.37	<0.45	<0.37	<0.37	<0.45	<0.37	<0.37	<0.37	NA	NS	NS	
sec-Butylbenzene	µg/L	<0.31	<0.33	<0.33	<0.31	<0.33	<0.33	<0.31	<0.33	<0.33	<0.31	<0.33	<0.33	<0.33	NA	NS	NS	
n-Butylbenzene	µg/L	<0.46	<0.71	<0.71	<0.46	<0.71	<0.71	<0.46	<0.71	<0.71	<0.46	<0.71	<0.71	<0.71	NA	NS	NS	
Carbon Tetrachloride	µg/L	<0.44	<0.34	<0.34	<0.44	<0.34	<0.34	<0.44	<0.34	<0.34	<0.44	<0.34	<0.34	<0.34	NA	5	0.5	
Chlorobenzene	µg/L	<0.30	<0.29	<0.29	<0.30	<0.29	<0.29	<0.30	<0.29	<0.29	<0.30	<0.29	<0.29	<0.29	NA	NS	NS	
Chloroethane	µg/L	<0.78	<0.62	<0.62	<0.78	<0.62	<0.62	<0.78	<0.62	<0.62	<0.78	<0.62	<0.62	<0.62	NA	400	80	
Chloroform	µg/L	<0.4	<0.33	<0.33	<0.4	<0.33	<0.33	<0.4	<0.33	<0.33	<0.4	<0.33	<0.33	<0.33	NA	6	0.6	
Chloromethane	µg/L	<0.64	<0.74	<0.74	<0.64	<0.74	<0.74	<0.64	<0.74	<0.74	<0.64	<0.74	<0.74	<0.74	NA	30	3	
2-Chlorofluoroethane	µg/L	<0.36	<0.34	<0.34	<0.36	<0.34	<0.34	<0.36	<0.34	<0.34	<0.36	<0.34	<0.34	<0.34	NA	NS	NS	
1,2-Dichloroethane	µg/L	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	NA	NS	NS	
1,2-Dichloro-3-Chloropropane	µg/L	<0.54	<0.74	<0.74	<0.54	<0.74	<0.74	<0.54	<0.74	<0.74	<0.54	<0.74	<0.74	<0.74	NA	0.2	0.02	
Dibromochloromethane	µg/L	<0.45	<0.36	<0.36	<0.45	<0.36	<0.36	<0.45	<0.36	<0.36	<0.45	<0.36	<0.36	<0.36	NA	60	6	
1,4-Dichlorobenzene	µg/L	<0.48	<0.49	<0.49	<0.48	<0.49	<0.49	<0.48	<0.49	<0.49	<0.48	<0.49	<0.49	<0.49	NA	75	15	
1,3-Dichlorobenzene	µg/L	<0.58	<0.54	<0.54	<0.58	<0.54	<0.54	<0.58	<0.54	<0.54	<0.58	<0.54	<0.54	<0.54	NA	600	120	
1,2-Dichlorobenzene	µg/L	<0.44	<0.4	<0.4	<0.44	<0.4	<0.4	<0.44	<0.4	<0.4	<0.44	<0.4	<0.4	<0.4	NA	600	60	
Dichlorodifluoroethane	µg/L	<0.55	<0.5	<0.5	<0.55	<0.5	<0.5	<0.55	<0.5	<0.5	<0.55	<0.5	<0.5	<0.5	NA	1,000	200	
1,2-Dichloroethene	µg/L	<0.41	<0.43	<0.43	<0.41	<0.43	<0.43	<0.41	<0.43	<0.43	<0.41	<0.43	<0.43	<0.43	NA	5	0.5	
1,1-Dichloroethene	µg/L	<0.48	<0.43	<0.43	<0.48	<0.43	<0.43	<0.48	<0.43	<0.43	<0.48	<0.43	<0.43	<0.43	NA	850	85	
1,1-Dichloroethane	µg/L	<0.53	<0.43	<0.43	<0.53	<0.43	<0.43	<0.53	<0.43	<0.43	<0.53	<0.43	<0.43	<0.43	NA	7	0.7	
cis-1,2-Dichloroethene	µg/L	<0.59	<0.52	<0.52	<0.59	<0.52	<0.52	<0.59	<0.52	<0.52	<0.59	<0.52	<0.52	<0.52	NA	0.52	20	
trans-1,2-Dichloroethene	µg/L	<0.6	<0.5	<0.5	<0.6	<0.5	<0.5	<0.6	<0.5	<0.5	<0.6	<0.5	<0.5	<0.5	NA	<0.5	100	
1,2-Dichloropropane	µg/L	<0.53	<0.59	<0.59	<0.53	<0.59	<0.59	<0.53	<0.59	<0.59	<0.53	<0.59	<0.59	<0.59	NA	5	0.5	
2,2-Dichloropropane	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	
1,3-Dichloropropane	µg/L	<0.4	<0.38	<0.38	<0.4	<0.38	<0.38	<0.4	<0.38	<0.38	<0.4	<0.38	<0.38	<0.38	NA	NS	NS	
trans-1,3-Dichloropropane	µg/L	<0.45	<0.41	<0.41	<0.45	<0.41	<0.41	<0.45	<0.41	<0.41	<0.45	<0.41	<0.41	<0.41	NA	0.4	0.04	
cis-1,3-Dichloropropane	µg/L	<0.51	<0.41	<0.41	<0.51	<0.41	<0.41	<0.51	<0.41	<0.41	<0.51	<0.41	<0.41	<0.41	NA	0.4	0.04	
Diisopropyl ether	µg/L	<0.47	<0.48	<0.48	<0.47	<0.48	<0.48	<0.47	<0.48	<0.48	<0.47	<0.48	<0.48	<0.48	NA	NS	NS	
EDB (1,2-Dibromoethane)	µg/L	<0.47	<0.39	<0.39	<0.47	<0.39	<0.39	<0.47	<0.39	<0.39	<0.47	<0.39	<0.39	<0.39	NA	0.05	0.005	
Ethylbenzene	µg/L	<0.37	<0.33	<0.33	<0.37	<0.33	<0.33	<0.37	<0.33	<0.33	<0.37	<0.33	<0.33	<0.33	NA	200	140	
Hexachlorocyclopentadiene	µg/L	<0.75	<0.81	<0.81	<0.75	<0.81	<0.81	<0.75	<0.81	<0.81	<0.75	<0.81	<0.81	<0.81	NA	NS	NS	
Isopropylbenzene	µg/L	<0.3	<0.34	<0.34	<0.3	<0.34	<0.34	<0.3	<0.34	<0.34	<0.3	<0.34	<0.34	<0.34	NA	NS	NS	
p-Isopropyltoluene	µg/L	<0.43	<0.47	<0.47	<0.43	<0.47	<0.47	<0.43	<0.47	<0.47	<0.43	<0.47	<0.47	<0.47	NA	NS	NS	
Methylene Chloride	µg/L	<0.89	<0.78	<0.78	<0.89	<0.78	<0.78	<0.89	<0.78	<0.78	<0.89	<0.78	<0.78	<0.78	NA	5	0.5	
Methyl tert-butyl ether	µg/L	<0.48	<0.47	<0.47	<0.48	<0.47	<0.47	<0.48	<0.47	<0.47	<0.48	<0.47	<0.47	<0.47	NA	NS	17	
Naphthalene	µg/L	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	NA	100	10	
n-Propylbenzene	µg/L	<0.44	<0.39	<0.39	<0.44	<0.39	<0.39	<0.44	<0.39	<0.39	<0.44	<0.39	<0.39	<0.39	NA	NS	NS	
1,1,2,2-Tetrachloroethane	µg/L	<0.36	<0.43	<0.43	<0.36	<0.43	<0.43	<0.36	<0.43	<0.43	<0.36	<0.43	<0.43	<0.43	NA	0.2	0.02	
1,1,1,2-Tetra chloroethane	µg/L	<0.76	<0.55	<0.55	<0.76	<0.55	<0.55	<0.76	<0.55	<0.55	<0.76	<0.55	<0.55	<0.55	NA	70	7	
Tetrachloroethene	µg/L	2.26	<0.47	<0.47	2.7	<0.47	<0.47	3.12	<0.47	<0.47	3.4	<0.47	<0.47	<0.47	<0.47	NA	5	0.5
Toluene	µg/L	<0.47	<0.33	<0.33	<0.47	<0.33	<0.33	<0.47	<0.33	<0.33	<0.47	<0.33	<0.33	<0.33	NA	1,000	200	
1,2,4-Trichlorobenzene	µg/L	<0.67	<0.63	<0.63	<0.67	<0.63	<0.63	<0.67	<0.63	<0.63	<0.67	<0.63	<0.63	<0.63	NA	70	14	
1,2,3-Trichlorobenzene	µg/L	<0.68	<1.4	<1.4	<0.68	<1.4	<1.4	<0.68	<1.4	<1.4	<0.68	<1.4	<1.4	<1.4	NA	NS	NS	
1,1,1-Trichloroethane	µg/L	<0.41	<0.33	<0.33	<0.41	<0.33	<0.33	<0.41	<0.33	<0.33	<0.41	<0.33	<0.33	<0.33	NA	200	40	
1,1,2-Trichloroethane	µg/L	<0.48	<0.42	<0.42	<0.48	<0.42	<0.42	<0.48	<0.42	<0.42	<0.48	<0.42	<0.42	<0.42	NA	5	0.5	
Trichloroethene (TCE)	µg/L	<0.47	<0.38	<0.38	<0.47	<0.38	<0.38	<0.47	<0.38	<0.38	<0.47	<0.38	<0.38	<0.38	NA	0.58	5	
Trichlorofluoromethane	µg/L	<0.49	<0.33	<0.33	<0.49	<0.33	<0.33	<0.49	<0.33	<0.33	<0.49	<0.33	<0.33	<0.33	NA	3,490	698	
1,2,4-Trinitrobenzene	µg/L	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	NA	NS	NS	
1,3,5-Trinitrobenzene	µg/L	<0.39	<0.41	<0.41	<0.39	<0.41	<0.41	<0.39	<0.41	<0.41	<0.39	<0.41	<0.41	<0.41	NA	NS	NS	
Total Trinitrobenzene	µg/L	<0.73	<0.76	<0.76	<0.73	<0.76	<0.76	<0.73	<0.76	<0.76	<0.73	<0.76	<0.76	<0.76	NA	480	96	
Vinyl Chloride	µg/L	<0.17	<0.15	<0.15	<0.17	<0.15	<0.15	<0.17	<0.15	<0.15	<0.17	<0.15	<0.15	<0.15	NA	0.15	0.02	
Xylenes, Total	µg/L	<1.21	<1.01	<1.01	<1.21	<1.01	<1.01	<1.21	<1.01	<1.01	<1.21	<1.01	<1.01	<1.01	NA	10,000	1,000	
PAHs																		
Acenaphthene	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	
Acenaphthylene	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	
Acridene	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3,000	600	
Benzo(a)anthracene	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	
Benzo(a)pyrene	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.2	0.02	
Benzo(b)fluoranthene	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.7	0.07	
Benzo(g)herylene	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			

Table 3
Groundwater *In Situ* Measurements
Old Safeguard Property LGU - 114 Pierce Street and 119 Commercial Street, Berlin, Wisconsin
Sigma Project No. 19228

Well Identification	Date	In Situ Measurements				
		pH	Temperature (° C)	Ferrous Iron (mg/l)	Dissolved Oxygen (mg/l)	Redox Potential (mV)
MW-1	7/30/19	7.7	15.3	0.0	0.5	317
	10/28/19	6.9	13.9	0.0	2.5	306
	3/22/21	7.1	7.5	0.0	1.7	165
	4/4/22	6.8	5.9	0.0	5.7	201
	9/12/22	6.6	14.1	0.0	3.0	162
MW-2	7/30/19	7.8	11.8	0.0	0.7	320
	10/28/19	7.3	13.1	0.0	2.4	322
	3/22/21	7.3	9.4	0.0	2.0	145
	4/4/22	7.0	8.3	0.0	5.2	246
	9/12/22	6.7	13.8	0.0	2.9	194
MW-3	7/30/19	7.9	17.2	0.0	0.5	298
	10/28/19	7.3	13.3	0.0	1.9	324
	3/22/21	7.3	5.9	0.0	1.8	124
	4/4/22	7.1	4.0	0.0	8.7	165
	9/12/22	6.4	16.0	0.0	3.0	188
MW-4	7/30/19	7.2	13.4	0.0	0.7	227
	10/28/19	7.2	14.9	0.0	1.8	309
	3/22/21	7.2	8.2	0.0	0.4	166
	4/4/22	6.9	7.0	0.0	0.6	117
	9/12/22	6.4	18.2	0.0	2.8	172
MW-5	7/30/19	7.1	14.8	0.0	0.7	317
	10/28/19	7.5	15.2	0.0	2.4	319
	3/22/21	7.0	6.3	0.0	0.3	156
	4/4/22	6.7	6.2	0.0	1.3	180
	9/12/22	6.3	16.5	0.0	1.6	202
MW-6	7/30/19	7.6	13.9	0.0	0.7	314
	10/28/19	7.0	13.8	3.4	2.4	338
	3/22/21	7.1	8.0	3.8	1.7	40
	4/4/22	6.9	5.9	0.0	5.4	231
	9/12/22	6.6	15.1	4.8	2.3	200
MW-7	7/30/19	6.0	11.0	0.0	1.1	267
	10/28/19	7.2	13.5	0.0	2.3	282
	3/22/21	7.3	9.3	0.0	1.4	180
	4/4/22	7.0	8.9	0.0	6.3	201
	9/12/22	6.9	13.3	0.0	2.8	165
MW-8	3/22/21	7.1	8.0	0.0	1.8	212
	4/4/22	7.2	8.0	0.0	1.3	172
	9/12/22	7.0	16.0	0.0	2.2	165
MW-9	3/22/21	7.1	8.1	0.0	0.4	32
	4/4/22	7.4	7.6	0.0	3.9	245
	9/12/22	7.3	18.0	0.0	2.8	176
MW-10	3/22/21	6.9	7.8	0.0	1.4	126
	4/4/22	6.7	8.1	3.2	1.5	158
	9/12/22	6.4	17.2	7.2	3.0	187
MW-11	3/22/21	7.0	7.6	0.0	1.1	128
	4/4/22	6.8	7.8	0.0	4.0	247
	9/12/22	6.6	17.9	0.0	3.0	181
MW-12	3/22/21	7.3	8.8	0.0	1.5	206
	4/4/22	6.9	8.1	0.0	1.2	157
	9/12/22	6.8	16.1	0.0	2.9	168
PZ-6	3/22/21	7.6	11.7	0.0	2.2	87
	4/4/22	7.4	9.7	0.0	3.2	219
	9/12/22	7.0	11.6	0.0	2.8	189

Notes:

1. ° C = degrees Celsius
2. mg/l = milligrams per liter (equivalent to parts per million, ppm)
3. mV = millivolts
4. NA = not analyzed

Data entered / updated by: MMG Date: 9/14/2022
Data checked by: AJR Date: 9/14/2022

Table 4
Indoor Air Analytical Data
Old Safeguard Property LGU - 114 Pierce Street and 119 Commercial Street, Berlin, Wisconsin
Sigma Project No. #19228

Sample Type:	Ambient Air Samples		VAL for Residential Indoor Air ²	VAL for Small Commercial Indoor Air ³	VAL for Large Commercial / Industrial Indoor Air ⁴
	Sample Identification:	Sump			
	Date:	7/07/22 - 7/29/22			
	Duration (days:hours:minutes):	21:19:05			
CVOCs					
cis-1,2-Dichloroethene	µg/m ³	<0.84	NS	NS	NS
trans-1,2-Dichloroethene	µg/m ³	<2.0	42	180	180
Tetrachloroethene (PCE)	µg/m ³	<0.41	42	180	180
Trichloroethene (TCE)	µg/m ³	<0.61	2.1	8.8	8.8
Vinyl Chloride	µg/m ³	<5.3	1.7	28	28

Notes:

- Analytical units: µg/m³ = micrograms per cubic meter
- VAL for Residential Indoor Air = Vapor Action Level described in WDNR publication RR-800 "Addressing Vapor Intrusion at Remediation & Redevelopment Sites in Wisconsin" (dated January 2018) which in turn references EPA Region 3 Risk-Based Concentrations for residential air [Regional Screening Level (RSL) Summary Table (TR=1E-06, HQ=1) May 2022] and residential air in August 2022 "Wisconsin Vapor Quick Look-Up Table, Indoor Air Vapor Action Levels And Vapor Risk Screening Levels" publication RR-0136. VAL adjusted to 1-in-100,000 increase in lifetime cancer risk for carcinogens per WDNR publication RR-800; VAL is not adjusted for non-carcinogens (i.e., hazard index = 1).
- VAL for Small Commercial Indoor Air = Vapor Action Level described in WDNR publication RR-800 "Addressing Vapor Intrusion at Remediation & Redevelopment Sites in Wisconsin" (dated January 2018) which in turn references EPA Region 3 Risk-Based Concentrations for industrial air [Regional Screening Level (RSL) Summary Table (TR=1E-06, HQ=1) May 2022] and small commercial air in August 2022 "Wisconsin Vapor Quick Look-Up Table, Indoor Air Vapor Action Levels And Vapor Risk Screening Levels" publication RR-0136. VAL adjusted to 1-in-100,000 increase in lifetime cancer risk for carcinogens per WDNR publication RR-800; VAL is not adjusted for non-carcinogens (i.e., hazard index = 1).
- VAL for Large Commercial / Industrial Indoor Air = Vapor Action Level described in WDNR publication RR-800 "Addressing Vapor Intrusion at Remediation & Redevelopment Sites in Wisconsin" (dated January 2018) which in turn references EPA Region 3 Risk-Based Concentrations for industrial air [Regional Screening Level (RSL) Summary Table (TR=1E-06, HQ=1) May 2022] and large commercial / industrial air in August 2022 "Wisconsin Vapor Quick Look-Up Table, Indoor Air Vapor Action Levels And Vapor Risk Screening Levels" publication RR-0136. VAL adjusted to 1-in-100,000 increase in lifetime cancer risk for carcinogens per WDNR publication RR-800; VAL is not adjusted for non-carcinogens (i.e., hazard index = 1).

5. NS = no standards

6. Trip blank results:

7. Exceedances:

7/7/22-7/29/22 samples: CVOCs reported below the laboratory detection limits

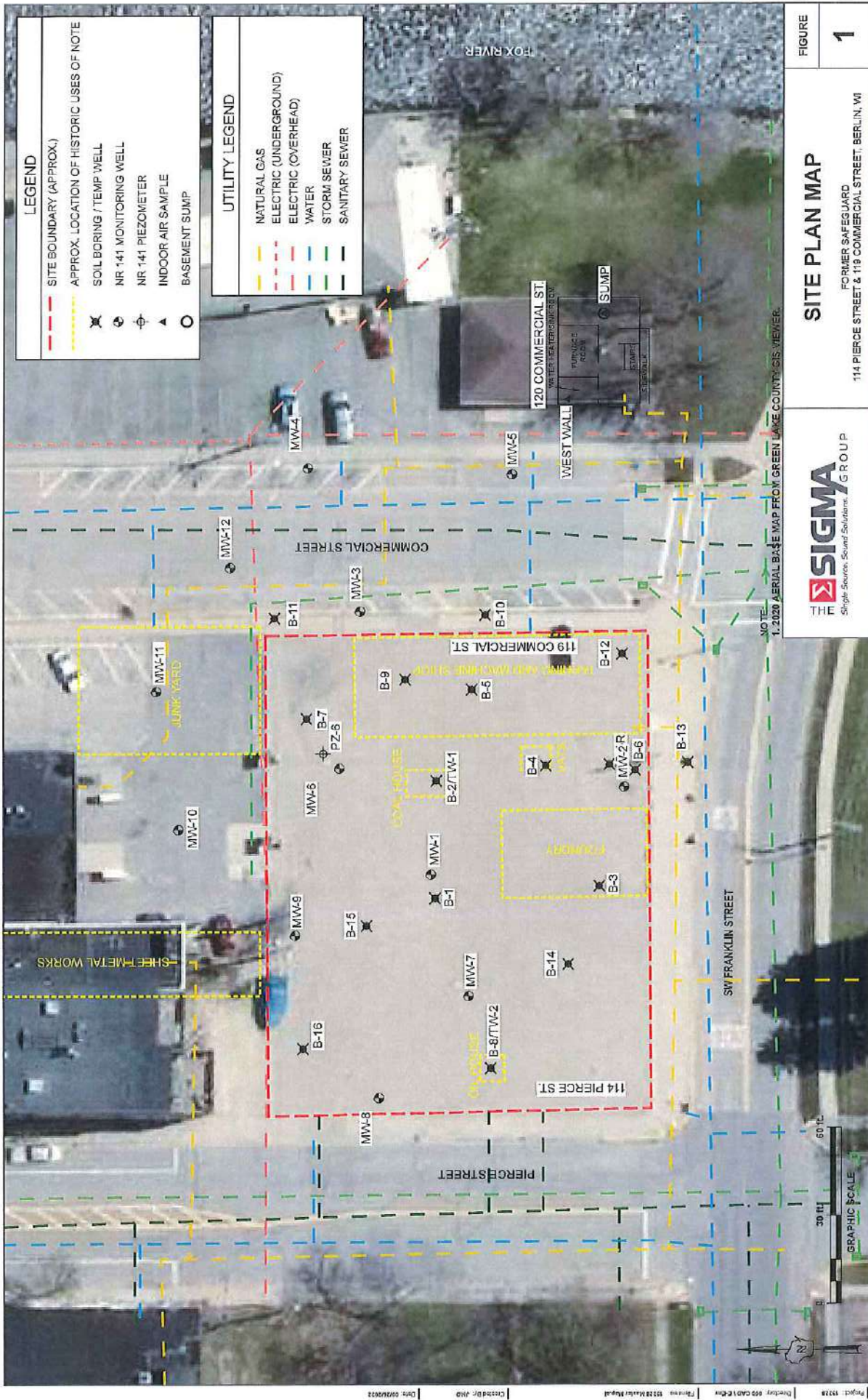
BOLD = concentration exceeds residential Vapor Action Level

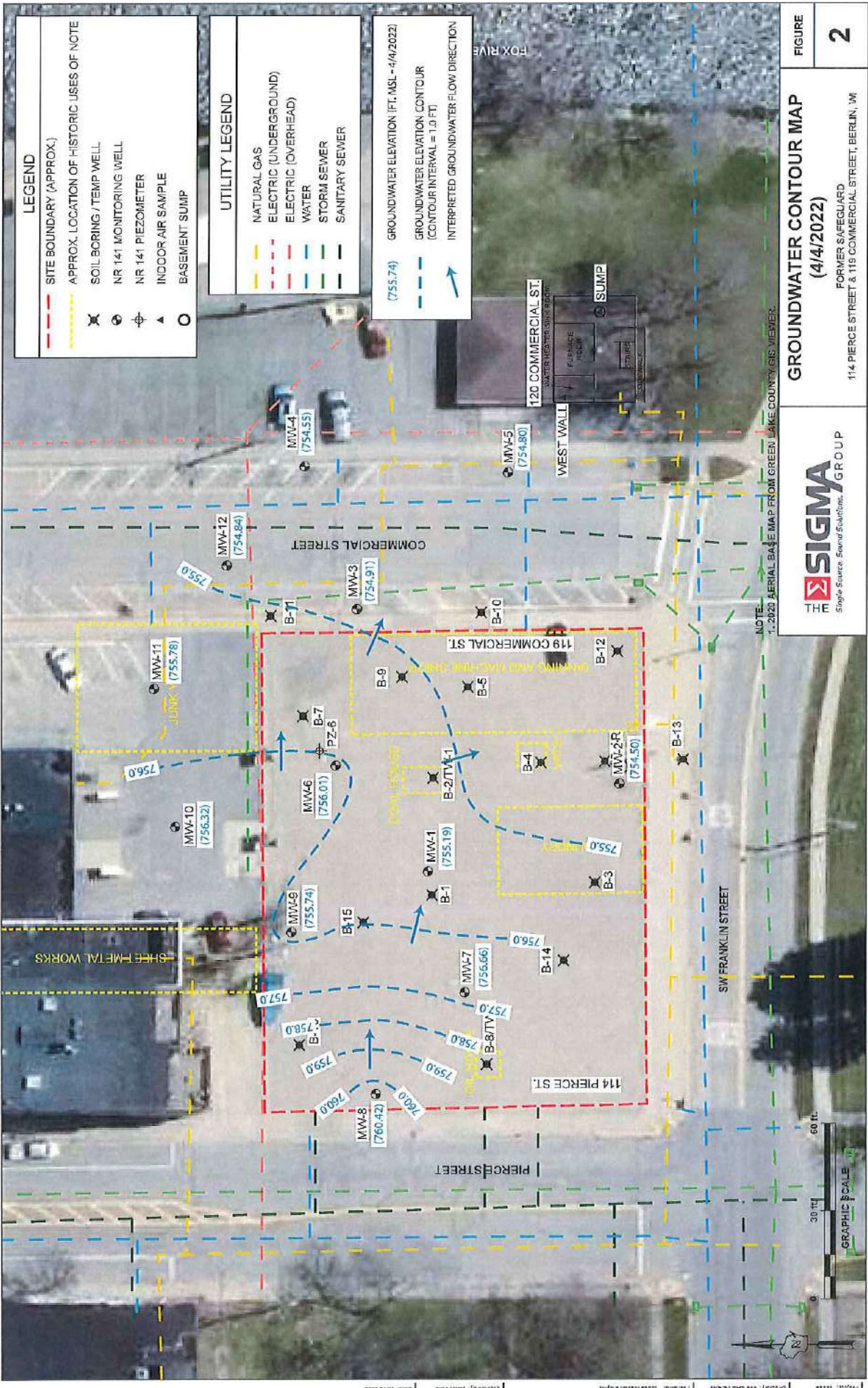
[] = concentration exceeds small commercial Vapor Action Level

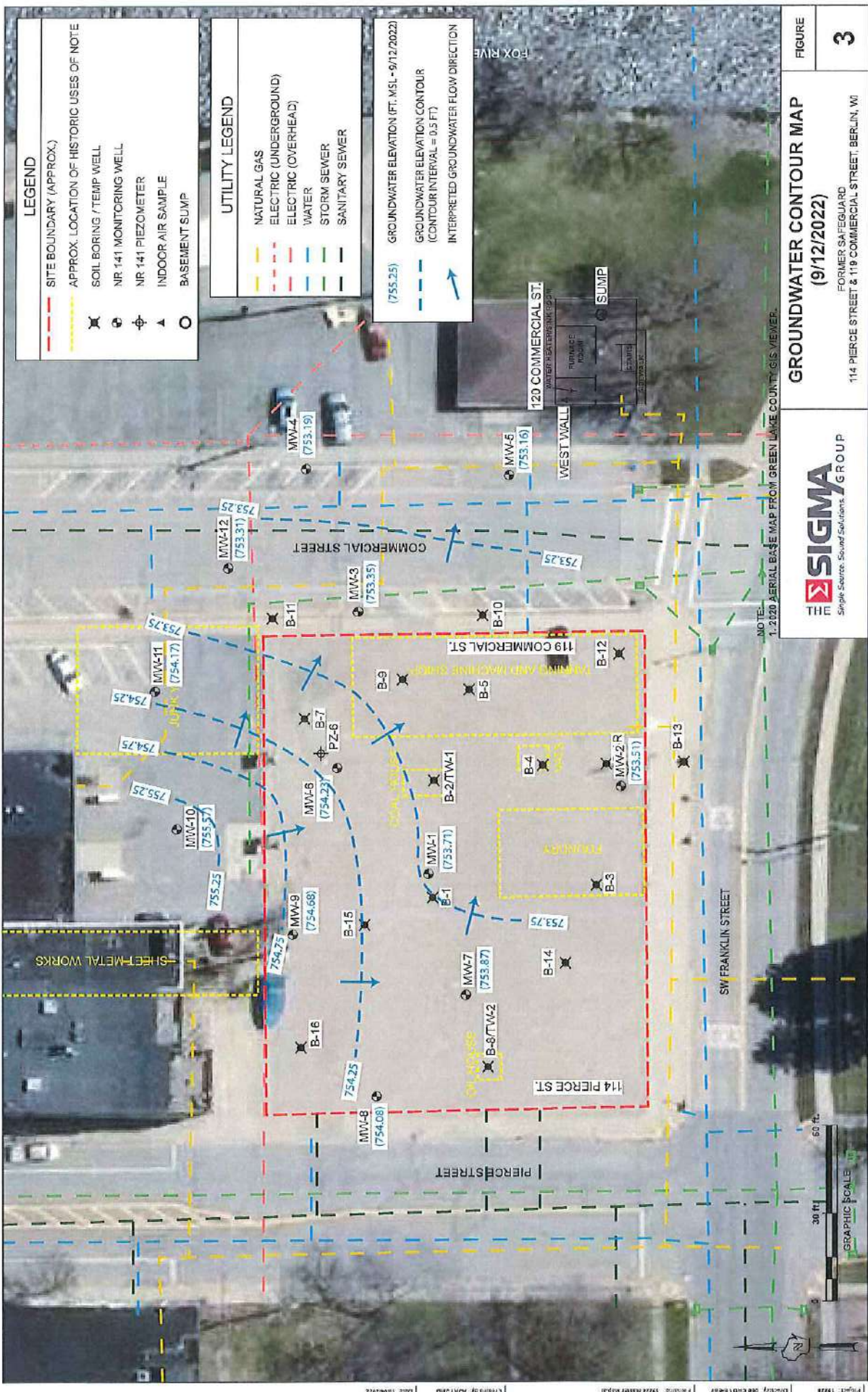
{ } = concentration exceeds large commercial / industrial Vapor Action Level

Data entered / updated by: SJB Date: 8/22/2022
Data checked by: AJR Date: 8/31/2022

FIGURES







ANALYTICAL KEY

- B = BENZENE
- E = ETHYL BENZENE
- TMB = TOTAL TRIMETHYLBENZENE
- X = XYLENES (o, m, p)
- PCE = PERCHLOROTETRAETHYLENE
- TCE = TRICHLOROETHYLENE
- 1,1-DCE = 1,1-DICHLOROETHYLENE
- 1,2-DCE = 1,2-DICHLOROETHYLENE
- 1,1-DCE = 1,1-DICHLOROETHYLENE
- 1,2-DCE = 1,2-DICHLOROETHYLENE
- 1,1-DCE = 1,1-DICHLOROETHYLENE
- 1,2-DCE = 1,2-DICHLOROETHYLENE

NOTE: ESTIMATED CONCENTRATION REPORTED BETWEEN LIMIT OF DETECTION AND LIMIT OF QUANTIFICATION
 ** = NOT A VALID PALMER EXCHANGE PER NR 142 (40%)
 ALL CONCENTRATIONS REPORTED IN MICROGRAMS PER LITER (UG/L)
 * = ESTIMATED CONCENTRATION REPORTED ABOVE NR 140 PAL

LEGEND

- SITE BOUNDARY (APPROX.)
- APPROX. LOCATION OF HISTORIC USES OF NOTE
- NR 141 MONITORING WELL
- NR 141 PIEZOMETER
- BASEMENT SUMP
- △ INDOOR AIR SAMPLE

UTILITY LEGEND

- NATURAL GAS
- ELECTRIC (UNDERGROUND)
- ELECTRIC (OVERHEAD)
- WATER
- STORM SEWER
- SANITARY SEWER

ENVIRONMENTAL LEGEND

- = ESTIMATED EXTENT OF CVOC IMPACTS GREATER THAN NR 140 ENFORCEMENT STANDARDS
- = ESTIMATED EXTENT OF CVOC IMPACTS GREATER THAN NR 140 PREVENTIVE ACTION LIMITS

GROUNDWATER QUALITY MAP

FORMER SAFEGUARD
 114 PIERCE STREET & 119 COMMERCIAL STREET, BERLIN, WI

FIGURE

4

GROUNDWATER QUALITY MAP

FORMER SAFEGUARD
 114 PIERCE STREET & 119 COMMERCIAL STREET, BERLIN, WI

FIGURE

4

GROUNDWATER QUALITY MAP

FORMER SAFEGUARD
 114 PIERCE STREET & 119 COMMERCIAL STREET, BERLIN, WI

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 114 PIERCE STREET & 119 COMMERCIAL STREET, BERLIN, WI

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FIGURE

4

GROUNDWATER QUALITY MAP

FORMER SAFEGUARD
 114 PIERCE STREET & 119 COMMERCIAL STREET, BERLIN, WI

FIGURE

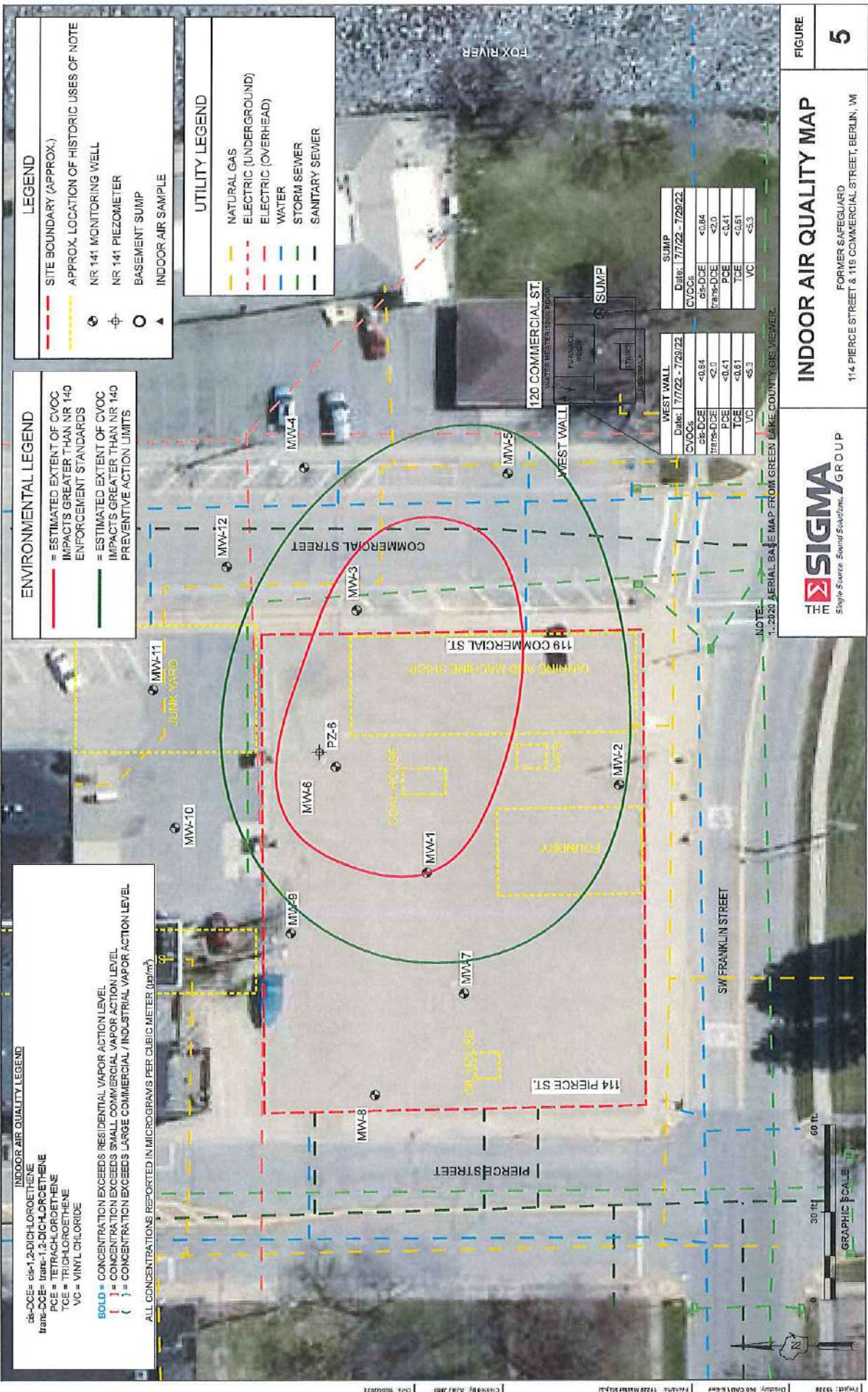
4

GROUNDWATER QUALITY MAP

FORMER SAFEGUARD
 114 PIERCE STREET & 119 COMMERCIAL STREET, BERLIN, WI

FIGURE

4



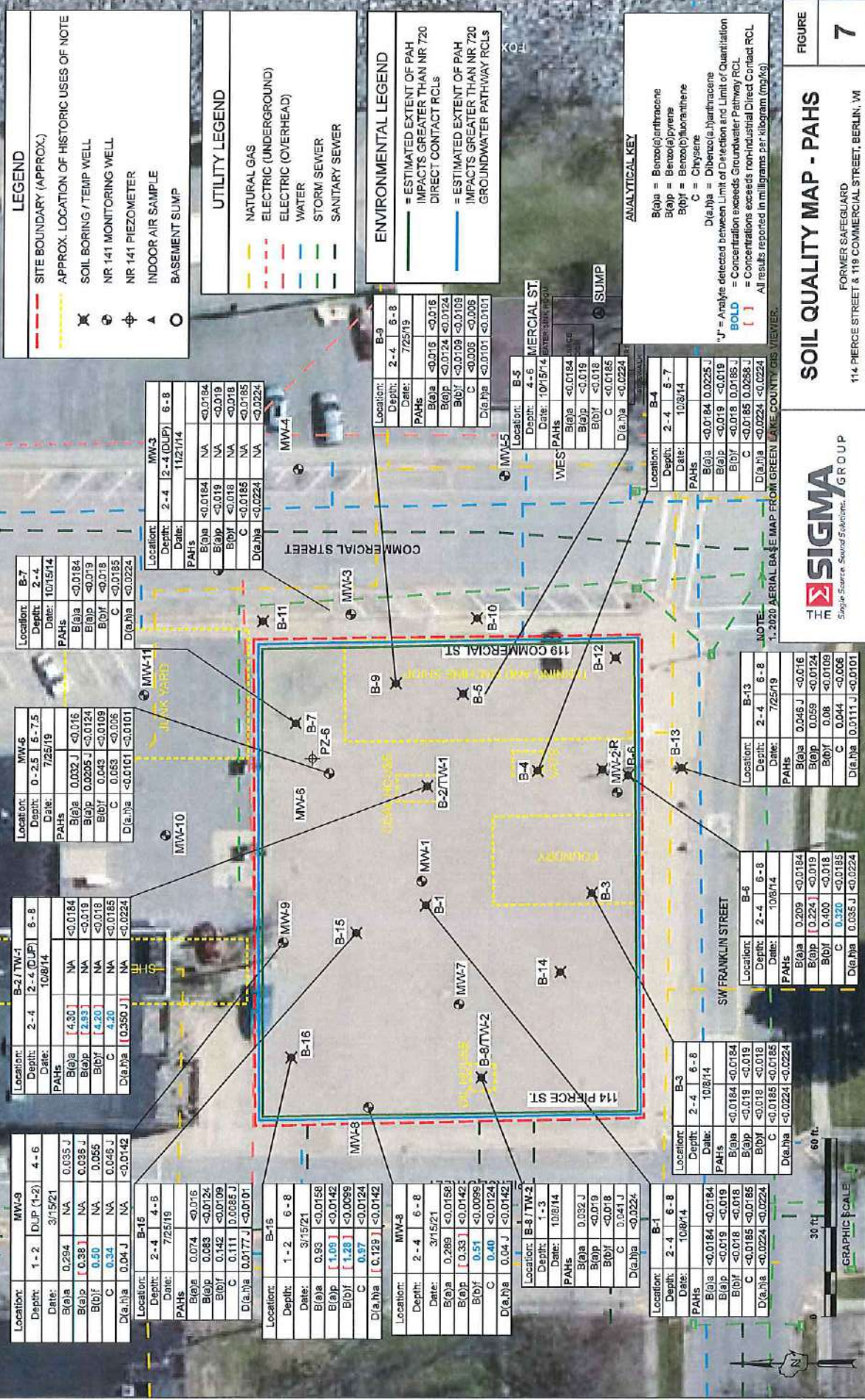
INDOOR AIR QUALITY MAP

FORMER SAFEGUARD
114 PIERCE STREET & 119 COMMERCIAL STREET, BERLIN, WI



ATTACHMENT 1

UPDATED SOIL QUALITY MAPS FOR PAHS AND METALS



SOIL QUALITY MAP - PAHs

FORMER SAFEGUARD
114 PIERCE STREET & 118 COMMERCIAL STREET, BERLIN, WI

LEGEND

- SITE BOUNDARY (APPROX.)
- APPROX. LOCATION OF HISTORIC USES OF NOTE
- SOIL BORING / TEMP WELL
- NR 141 MONITORING WELL
- NR 141 PIEZOMETER
- INDOOR AIR SAMPLE
- BASEMENT SUMP

UTILITY LEGEND

- NATURAL GAS
- ELECTRIC (UNDERGROUND)
- ELECTRIC (OVERHEAD)
- WATER
- STORM SEWER
- SANITARY SEWER

ENVIRONMENTAL LEGEND

- (IMPACTS IN RIGHT OF WAY ASSOCIATED WITH HISTORIC FILL IN RIGHT OF WAY)
- = ESTIMATED EXTENT OF CADMIUM IMPACTS GREATER THAN NR 720 GROUNDWATER PATHWAY RCLs
- = ESTIMATED EXTENT OF LEAD IMPACTS GREATER THAN NR 720 GROUNDWATER PATHWAY RCLs
- = ESTIMATED EXTENT OF LEAD IMPACTS GREATER THAN NR 720 NON-INDUSTRIAL DIRECT CONTACT RCLs
- = ESTIMATED EXTENT OF SELENIUM IMPACTS GREATER THAN NR 720 GROUNDWATER PATHWAY RCLs
- = ESTIMATED EXTENT OF MERCURY IMPACTS GREATER THAN NR 720 GROUNDWATER PATHWAY RCLs

ANALYTICAL KEY

- Cd = Cadmium
- Pb = Lead
- Se = Selenium
- Mer = Mercury
- Soil = Soil
- Water = Water
- Gas = Gas
- NA = Not Analyzed
- ND = Not Detected
- LT = Limit of Quantitation
- CL = Concentration exceeds Groundwater Pathway RCL
- ICL = Concentration exceeds non-Industrial Direct Contact RCL
- IDL = Concentration exceeds Industrial Direct Contact RCL
- All results reported in milligrams per kilogram (mg/kg)

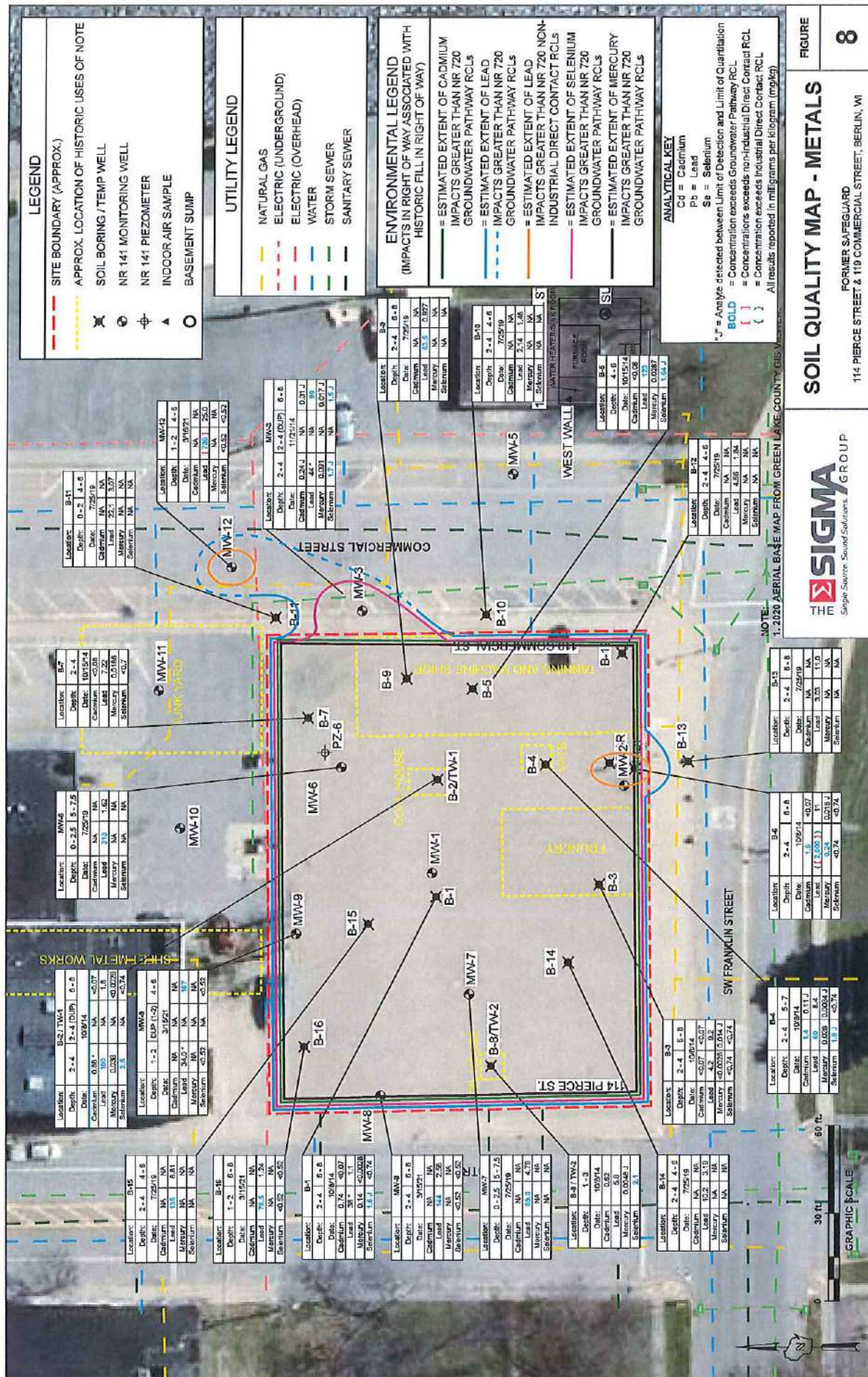
SOIL QUALITY MAP - METALS

FORMER SAFEGUARD
114 PIERCE STREET & 119 COMMERCIAL STREET, BERLIN, WI

1: 2020 AERIAL BASE MAP FROM GREEN LAKE COUNTY GIS



FIGURE
8



ATTACHMENT 2

VAPOR ASSESSMENT PHOTOGRAPHS

Vapor Intrusion Assessment Activities



Photo 1: View of the 120 Commercial Street building to the east-northeast. The basement is only present below the south portion of building. (July 7, 2022)



Photo 2: Exterior entrance to the basement of the 120 Commercial Street building. View to northeast. (July 7, 2022)

| Date: 09/21/2022

| Created by: JMD

| Filename: 19228_Photo Pages.pub

| Directory: 090 Reports

| Project: 19228

Vapor Intrusion Assessment Activities



Photo 3: Sidewalk along south side of the 120 Commercial Street building that leads to basement. View to east. (July 7, 2022)



Photo 4: View to north along the western basement wall (closest to Commercial Street) towards water heater / sink room. (July 7, 2022)

| Date: 09/21/2022

| Created by: JMD

| Filename: 19228_Photo Pages.pub

| Directory: 090 Reports

| Project: 19228

Vapor Intrusion Assessment Activities

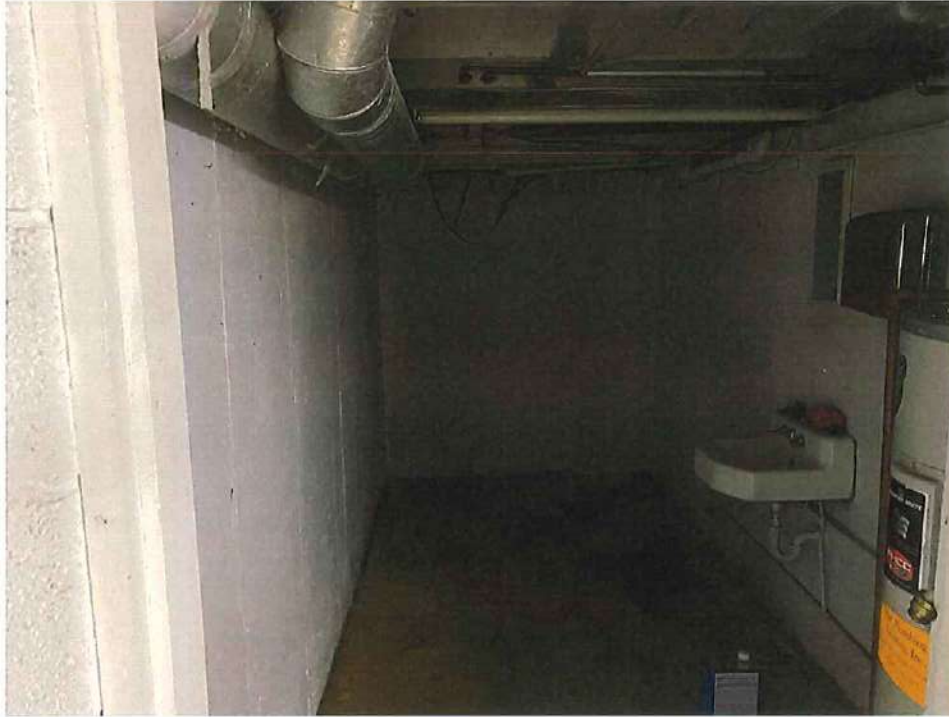


Photo 5: View to east inside the water heater / sink room. "West Wall" air sampler is deployed in northwest corner closest to monitoring well MW-5. (July 7, 2022)

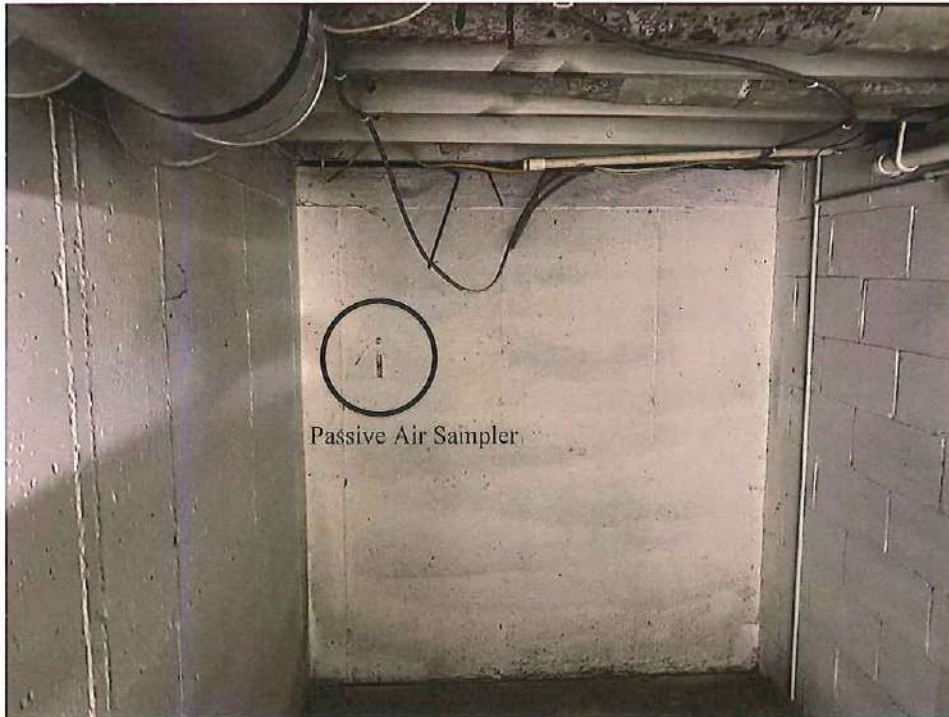


Photo 6: "West Wall" passive air sampler deployed in water heater / sink room. (July 7, 2022)

| Date: 09/21/2022

| Created by: JMD

| Filename: 19228_Photo Pages.pub

| Directory: 090 Reports

| Project: 19228

Vapor Intrusion Assessment Activities



Photo 7: View of basement sump to north. The furnace room is to the left of the sump. (July 7, 2022)



Photo 8: View of sump to east with east basement wall (farthest from Commercial Street) in the background. (July 7, 2022)

| Date: 09/21/2022

| Created by: JMD

| Filename: 19228_Photo Pages.pub

| Directory: 090 Reports

| Project: 19228

Vapor Intrusion Assessment Activities



Photo 9: "Sump" passive air sampler deployed at surface of sump. View to north. (July 7, 2022)



Photo 10: "Sump" passive air sampler deployed at surface of sump. View to northwest. (July 7, 2022)

| Date: 09/21/2022

| Created by: JMD

| Filename: 19228_Photo Pages.pub

| Directory: C90 Reports

| Project: 19228

ATTACHMENT 3

GROUNDWATER LABORATORY ANALYTICAL REPORTS

Synergy Environmental Lab, LLC.

1990 Prospect Ct., Appleton, WI 54914 *P 920-830-2455 * F 920-733-0631

ADAM RODER
THE SIGMA GROUP, INC.
1300 W. CANAL STREET
MILWAUKEE, WI 53233

Report Date 08-Apr-22

Project Name CITY OF BERLIN
Project # 19228

Invoice # E40768

Lab Code 5040768A
Sample ID MW-1
Sample Matrix Water
Sample Date 4/4/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.3	ug/l	0.3	1.25	1	8260B		4/6/2022	CJR	1
Bromobenzene	< 0.34	ug/l	0.34	1.4	1	8260B		4/6/2022	CJR	1
Bromodichloromethane	< 0.36	ug/l	0.36	1.47	1	8260B		4/6/2022	CJR	1
Bromoform	< 0.42	ug/l	0.42	1.72	1	8260B		4/6/2022	CJR	1
tert-Butylbenzene	< 0.37	ug/l	0.37	1.49	1	8260B		4/6/2022	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1.34	1	8260B		4/6/2022	CJR	1
n-Butylbenzene	< 0.71	ug/l	0.71	2.9	1	8260B		4/6/2022	CJR	1
Carbon Tetrachloride	< 0.34	ug/l	0.34	1.39	1	8260B		4/6/2022	CJR	1
Chlorobenzene	< 0.29	ug/l	0.29	1.19	1	8260B		4/6/2022	CJR	1
Chloroethane	< 0.62	ug/l	0.62	2.54	1	8260B		4/6/2022	CJR	1
Chloroform	< 0.33	ug/l	0.33	1.33	1	8260B		4/6/2022	CJR	1
Chloromethane	< 0.74	ug/l	0.74	3.03	1	8260B		4/6/2022	CJR	1
2-Chlorotoluene	< 0.34	ug/l	0.34	1.37	1	8260B		4/6/2022	CJR	1
4-Chlorotoluene	< 0.4	ug/l	0.4	1.63	1	8260B		4/6/2022	CJR	1
1,2-Dibromo-3-chloropropane	< 0.74	ug/l	0.74	3.01	1	8260B		4/6/2022	CJR	1
Dibromochloromethane	< 0.36	ug/l	0.36	1.46	1	8260B		4/6/2022	CJR	1
1,4-Dichlorobenzene	< 0.49	ug/l	0.49	2.01	1	8260B		4/6/2022	CJR	1
1,3-Dichlorobenzene	< 0.35	ug/l	0.35	1.44	1	8260B		4/6/2022	CJR	1
1,2-Dichlorobenzene	< 0.4	ug/l	0.4	1.65	1	8260B		4/6/2022	CJR	1
Dichlorodifluoromethane	< 0.3	ug/l	0.3	1.23	1	8260B		4/6/2022	CJR	1
1,2-Dichloroethane	< 0.43	ug/l	0.43	1.75	1	8260B		4/6/2022	CJR	1
1,1-Dichloroethane	< 0.43	ug/l	0.43	1.74	1	8260B		4/6/2022	CJR	1
1,1-Dichloroethene	< 0.43	ug/l	0.43	1.76	1	8260B		4/6/2022	CJR	1
cis-1,2-Dichloroethene	< 0.32	ug/l	0.32	1.29	1	8260B		4/6/2022	CJR	1
trans-1,2-Dichloroethene	< 0.5	ug/l	0.5	2.02	1	8260B		4/6/2022	CJR	1

Project Name CITY OF BERLIN
Project # 19228

Invoice # E40768

Lab Code 5040768A
Sample ID MW-1
Sample Matrix Water
Sample Date 4/4/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2-Dichloropropane	< 0.39	ug/l	0.39	1.58	1	8260B		4/6/2022	CJR	1
1,3-Dichloropropane	< 0.38	ug/l	0.38	1.55	1	8260B		4/6/2022	CJR	1
trans-1,3-Dichloropropene	< 0.41	ug/l	0.41	1.67	1	8260B		4/6/2022	CJR	1
cis-1,3-Dichloropropene	< 0.41	ug/l	0.41	1.67	1	8260B		4/6/2022	CJR	1
Di-isopropyl ether	< 0.48	ug/l	0.48	1.96	1	8260B		4/6/2022	CJR	1
EDB (1,2-Dibromoethane)	< 0.39	ug/l	0.39	1.59	1	8260B		4/6/2022	CJR	1
Ethylbenzene	< 0.33	ug/l	0.33	1.37	1	8260B		4/6/2022	CJR	1
Hexachlorobutadiene	< 0.81	ug/l	0.81	3.44	1	8260B		4/6/2022	CJR	1
Isopropylbenzene	< 0.34	ug/l	0.34	1.38	1	8260B		4/6/2022	CJR	1
p-Isopropyltoluene	< 0.47	ug/l	0.47	1.91	1	8260B		4/6/2022	CJR	1
Methylene chloride	< 0.79	ug/l	0.79	3.23	1	8260B		4/6/2022	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.47	ug/l	0.47	1.91	1	8260B		4/6/2022	CJR	1
Naphthalene	< 1.4	ug/l	1.4	5.56	1	8260B		4/6/2022	CJR	1
n-Propylbenzene	< 0.39	ug/l	0.39	1.6	1	8260B		4/6/2022	CJR	1
1,1,2,2-Tetrachloroethane	< 0.43	ug/l	0.43	1.77	1	8260B		4/6/2022	CJR	1
1,1,1,2-Tetrachloroethane	< 0.55	ug/l	0.55	2.25	1	8260B		4/6/2022	CJR	1
Tetrachloroethene	6.9	ug/l	0.47	1.91	1	8260B		4/6/2022	CJR	1
Toluene	< 0.33	ug/l	0.33	1.35	1	8260B		4/6/2022	CJR	1
1,2,4-Trichlorobenzene	< 0.63	ug/l	0.63	2.57	1	8260B		4/6/2022	CJR	1
1,2,3-Trichlorobenzene	< 1.4	ug/l	1.4	5.94	1	8260B		4/6/2022	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1.34	1	8260B		4/6/2022	CJR	1
1,1,2-Trichloroethane	< 0.42	ug/l	0.42	1.72	1	8260B		4/6/2022	CJR	1
Trichloroethene (TCE)	< 0.38	ug/l	0.38	1.55	1	8260B		4/6/2022	CJR	1
Trichlorofluoromethane	< 0.33	ug/l	0.33	1.35	1	8260B		4/6/2022	CJR	1
1,2,4-Trimethylbenzene	< 0.35	ug/l	0.35	1.44	1	8260B		4/6/2022	CJR	1
1,3,5-Trimethylbenzene	< 0.41	ug/l	0.41	1.66	1	8260B		4/6/2022	CJR	1
Vinyl Chloride	< 0.15	ug/l	0.15	0.61	1	8260B		4/6/2022	CJR	1
m&p-Xylene	< 0.64	ug/l	0.64	2.63	1	8260B		4/6/2022	CJR	1
o-Xylene	< 0.37	ug/l	0.37	1.51	1	8260B		4/6/2022	CJR	1
SUR - 4-Bromofluorobenzene	94	REC %			1	8260B		4/6/2022	CJR	1
SUR - Dibromofluoromethane	94	REC %			1	8260B		4/6/2022	CJR	1
SUR - Toluene-d8	95	REC %			1	8260B		4/6/2022	CJR	1
SUR - 1,2-Dichloroethane-d4	94	REC %			1	8260B		4/6/2022	CJR	1

Project Name CITY OF BERLIN
Project # 19228

Invoice # E40768

Lab Code 5040768B
Sample ID MW-2
Sample Matrix Water
Sample Date 4/4/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.3	ug/l	0.3	1.25	1	8260B		4/6/2022	CJR	1
Bromobenzene	< 0.34	ug/l	0.34	1.4	1	8260B		4/6/2022	CJR	1
Bromodichloromethane	< 0.36	ug/l	0.36	1.47	1	8260B		4/6/2022	CJR	1
Bromoform	< 0.42	ug/l	0.42	1.72	1	8260B		4/6/2022	CJR	1
tert-Butylbenzene	< 0.37	ug/l	0.37	1.49	1	8260B		4/6/2022	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1.34	1	8260B		4/6/2022	CJR	1
n-Butylbenzene	< 0.71	ug/l	0.71	2.9	1	8260B		4/6/2022	CJR	1
Carbon Tetrachloride	< 0.34	ug/l	0.34	1.39	1	8260B		4/6/2022	CJR	1
Chlorobenzene	< 0.29	ug/l	0.29	1.19	1	8260B		4/6/2022	CJR	1
Chloroethane	< 0.62	ug/l	0.62	2.54	1	8260B		4/6/2022	CJR	1
Chloroform	< 0.33	ug/l	0.33	1.33	1	8260B		4/6/2022	CJR	1
Chloromethane	< 0.74	ug/l	0.74	3.03	1	8260B		4/6/2022	CJR	1
2-Chlorotoluene	< 0.34	ug/l	0.34	1.37	1	8260B		4/6/2022	CJR	1
4-Chlorotoluene	< 0.4	ug/l	0.4	1.63	1	8260B		4/6/2022	CJR	1
1,2-Dibromo-3-chloropropane	< 0.74	ug/l	0.74	3.01	1	8260B		4/6/2022	CJR	1
Dibromochloromethane	< 0.36	ug/l	0.36	1.46	1	8260B		4/6/2022	CJR	1
1,4-Dichlorobenzene	< 0.49	ug/l	0.49	2.01	1	8260B		4/6/2022	CJR	1
1,3-Dichlorobenzene	< 0.35	ug/l	0.35	1.44	1	8260B		4/6/2022	CJR	1
1,2-Dichlorobenzene	< 0.4	ug/l	0.4	1.65	1	8260B		4/6/2022	CJR	1
Dichlorodifluoromethane	< 0.3	ug/l	0.3	1.23	1	8260B		4/6/2022	CJR	1
1,2-Dichloroethane	< 0.43	ug/l	0.43	1.75	1	8260B		4/6/2022	CJR	1
1,1-Dichloroethane	< 0.43	ug/l	0.43	1.74	1	8260B		4/6/2022	CJR	1
1,1-Dichloroethene	< 0.43	ug/l	0.43	1.76	1	8260B		4/6/2022	CJR	1
cis-1,2-Dichloroethene	< 0.32	ug/l	0.32	1.29	1	8260B		4/6/2022	CJR	1
trans-1,2-Dichloroethene	< 0.5	ug/l	0.5	2.02	1	8260B		4/6/2022	CJR	1
1,2-Dichloropropane	< 0.39	ug/l	0.39	1.58	1	8260B		4/6/2022	CJR	1
1,3-Dichloropropane	< 0.38	ug/l	0.38	1.55	1	8260B		4/6/2022	CJR	1
trans-1,3-Dichloropropene	< 0.41	ug/l	0.41	1.67	1	8260B		4/6/2022	CJR	1
cis-1,3-Dichloropropene	< 0.41	ug/l	0.41	1.67	1	8260B		4/6/2022	CJR	1
Di-isopropyl ether	< 0.48	ug/l	0.48	1.96	1	8260B		4/6/2022	CJR	1
EDB (1,2-Dibromoethane)	< 0.39	ug/l	0.39	1.59	1	8260B		4/6/2022	CJR	1
Ethylbenzene	< 0.33	ug/l	0.33	1.37	1	8260B		4/6/2022	CJR	1
Hexachlorobutadiene	< 0.81	ug/l	0.81	3.44	1	8260B		4/6/2022	CJR	1
Isopropylbenzene	< 0.34	ug/l	0.34	1.38	1	8260B		4/6/2022	CJR	1
p-Isopropyltoluene	< 0.47	ug/l	0.47	1.91	1	8260B		4/6/2022	CJR	1
Methylene chloride	< 0.79	ug/l	0.79	3.23	1	8260B		4/6/2022	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.47	ug/l	0.47	1.91	1	8260B		4/6/2022	CJR	1
Naphthalene	< 1.4	ug/l	1.4	5.56	1	8260B		4/6/2022	CJR	1
n-Propylbenzene	< 0.39	ug/l	0.39	1.6	1	8260B		4/6/2022	CJR	1
1,1,2,2-Tetrachloroethane	< 0.43	ug/l	0.43	1.77	1	8260B		4/6/2022	CJR	1
1,1,1,2-Tetrachloroethane	< 0.55	ug/l	0.55	2.25	1	8260B		4/6/2022	CJR	1
Tetrachloroethene	1.0 "U"	ug/l	0.47	1.91	1	8260B		4/6/2022	CJR	1
Toluene	< 0.33	ug/l	0.33	1.35	1	8260B		4/6/2022	CJR	1
1,2,4-Trichlorobenzene	< 0.63	ug/l	0.63	2.57	1	8260B		4/6/2022	CJR	1

Project Name CITY OF BERLIN
Project # 19228

Invoice # E40768

Lab Code 5040768B
Sample ID MW-2
Sample Matrix Water
Sample Date 4/4/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2,3-Trichlorobenzene	< 1.4	ug/l	1.4	5.94	1	8260B		4/6/2022	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1.34	1	8260B		4/6/2022	CJR	1
1,1,2-Trichloroethane	< 0.42	ug/l	0.42	1.72	1	8260B		4/6/2022	CJR	1
Trichloroethene (TCE)	< 0.38	ug/l	0.38	1.55	1	8260B		4/6/2022	CJR	1
Trichlorofluoromethane	< 0.33	ug/l	0.33	1.35	1	8260B		4/6/2022	CJR	1
1,2,4-Trimethylbenzene	< 0.35	ug/l	0.35	1.44	1	8260B		4/6/2022	CJR	1
1,3,5-Trimethylbenzene	< 0.41	ug/l	0.41	1.66	1	8260B		4/6/2022	CJR	1
Vinyl Chloride	< 0.15	ug/l	0.15	0.61	1	8260B		4/6/2022	CJR	1
m&p-Xylene	< 0.64	ug/l	0.64	2.63	1	8260B		4/6/2022	CJR	1
o-Xylene	< 0.37	ug/l	0.37	1.51	1	8260B		4/6/2022	CJR	1
SUR - Dibromofluoromethane	94	REC %			1	8260B		4/6/2022	CJR	1
SUR - Toluene-d8	97	REC %			1	8260B		4/6/2022	CJR	1
SUR - 4-Bromofluorobenzene	93	REC %			1	8260B		4/6/2022	CJR	1
SUR - 1,2-Dichloroethane-d4	96	REC %			1	8260B		4/6/2022	CJR	1

Project Name CITY OF BERLIN
Project # 19228

Invoice # E40768

Lab Code 5040768C
Sample ID MW-3
Sample Matrix Water
Sample Date 4/4/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic VOC's										
Benzene	< 0.3	ug/l	0.3	1.25	1	8260B		4/6/2022	CJR	1
Bromobenzene	< 0.34	ug/l	0.34	1.4	1	8260B		4/6/2022	CJR	1
Bromodichloromethane	< 0.36	ug/l	0.36	1.47	1	8260B		4/6/2022	CJR	1
Bromoform	< 0.42	ug/l	0.42	1.72	1	8260B		4/6/2022	CJR	1
tert-Butylbenzene	< 0.37	ug/l	0.37	1.49	1	8260B		4/6/2022	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1.34	1	8260B		4/6/2022	CJR	1
n-Butylbenzene	< 0.71	ug/l	0.71	2.9	1	8260B		4/6/2022	CJR	1
Carbon Tetrachloride	< 0.34	ug/l	0.34	1.39	1	8260B		4/6/2022	CJR	1
Chlorobenzene	< 0.29	ug/l	0.29	1.19	1	8260B		4/6/2022	CJR	1
Chloroethane	< 0.62	ug/l	0.62	2.54	1	8260B		4/6/2022	CJR	1
Chloroform	< 0.33	ug/l	0.33	1.33	1	8260B		4/6/2022	CJR	1
Chloromethane	< 0.74	ug/l	0.74	3.03	1	8260B		4/6/2022	CJR	1
2-Chlorotoluene	< 0.34	ug/l	0.34	1.37	1	8260B		4/6/2022	CJR	1
4-Chlorotoluene	< 0.4	ug/l	0.4	1.63	1	8260B		4/6/2022	CJR	1
1,2-Dibromo-3-chloropropane	< 0.74	ug/l	0.74	3.01	1	8260B		4/6/2022	CJR	1
Dibromochloromethane	< 0.36	ug/l	0.36	1.46	1	8260B		4/6/2022	CJR	1
1,4-Dichlorobenzene	< 0.49	ug/l	0.49	2.01	1	8260B		4/6/2022	CJR	1
1,3-Dichlorobenzene	< 0.35	ug/l	0.35	1.44	1	8260B		4/6/2022	CJR	1
1,2-Dichlorobenzene	< 0.4	ug/l	0.4	1.65	1	8260B		4/6/2022	CJR	1
Dichlorodifluoromethane	< 0.3	ug/l	0.3	1.23	1	8260B		4/6/2022	CJR	1
1,2-Dichloroethane	< 0.43	ug/l	0.43	1.75	1	8260B		4/6/2022	CJR	1
1,1-Dichloroethane	< 0.43	ug/l	0.43	1.74	1	8260B		4/6/2022	CJR	1
1,1-Dichloroethene	< 0.43	ug/l	0.43	1.76	1	8260B		4/6/2022	CJR	1
cis-1,2-Dichloroethene	0.88 "J"	ug/l	0.32	1.29	1	8260B		4/6/2022	CJR	1
trans-1,2-Dichloroethene	< 0.5	ug/l	0.5	2.02	1	8260B		4/6/2022	CJR	1
1,2-Dichloropropane	< 0.39	ug/l	0.39	1.58	1	8260B		4/6/2022	CJR	1
1,3-Dichloropropane	< 0.38	ug/l	0.38	1.55	1	8260B		4/6/2022	CJR	1
trans-1,3-Dichloropropene	< 0.41	ug/l	0.41	1.67	1	8260B		4/6/2022	CJR	1
cis-1,3-Dichloropropene	< 0.41	ug/l	0.41	1.67	1	8260B		4/6/2022	CJR	1
Di-isopropyl ether	< 0.48	ug/l	0.48	1.96	1	8260B		4/6/2022	CJR	1
EDB (1,2-Dibromoethane)	< 0.39	ug/l	0.39	1.59	1	8260B		4/6/2022	CJR	1
Ethylbenzene	< 0.33	ug/l	0.33	1.37	1	8260B		4/6/2022	CJR	1
Hexachlorobutadiene	< 0.81	ug/l	0.81	3.44	1	8260B		4/6/2022	CJR	1
Isopropylbenzene	< 0.34	ug/l	0.34	1.38	1	8260B		4/6/2022	CJR	1
p-Isopropyltoluene	< 0.47	ug/l	0.47	1.91	1	8260B		4/6/2022	CJR	1
Methylene chloride	< 0.79	ug/l	0.79	3.23	1	8260B		4/6/2022	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.47	ug/l	0.47	1.91	1	8260B		4/6/2022	CJR	1
Naphthalene	< 1.4	ug/l	1.4	5.56	1	8260B		4/6/2022	CJR	1
n-Propylbenzene	< 0.39	ug/l	0.39	1.6	1	8260B		4/6/2022	CJR	1
1,1,2,2-Tetrachloroethane	< 0.43	ug/l	0.43	1.77	1	8260B		4/6/2022	CJR	1
1,1,1,2-Tetrachloroethane	< 0.55	ug/l	0.55	2.25	1	8260B		4/6/2022	CJR	1
Tetrachloroethene	7.7	ug/l	0.47	1.91	1	8260B		4/6/2022	CJR	1
Toluene	< 0.33	ug/l	0.33	1.35	1	8260B		4/6/2022	CJR	1
1,2,4-Trichlorobenzene	< 0.63	ug/l	0.63	2.57	1	8260B		4/6/2022	CJR	1

Project Name CITY OF BERLIN
Project # 19228

Invoice # E40768

Lab Code 5040768C
Sample ID MW-3
Sample Matrix Water
Sample Date 4/4/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2,3-Trichlorobenzene	< 1.4	ug/l	1.4	5.94	1	8260B		4/6/2022	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1.34	1	8260B		4/6/2022	CJR	1
1,1,2-Trichloroethane	< 0.42	ug/l	0.42	1.72	1	8260B		4/6/2022	CJR	1
Trichloroethene (TCE)	0.41 "J"	ug/l	0.38	1.55	1	8260B		4/6/2022	CJR	1
Trichlorofluoromethane	< 0.33	ug/l	0.33	1.35	1	8260B		4/6/2022	CJR	1
1,2,4-Trimethylbenzene	< 0.35	ug/l	0.35	1.44	1	8260B		4/6/2022	CJR	1
1,3,5-Trimethylbenzene	< 0.41	ug/l	0.41	1.66	1	8260B		4/6/2022	CJR	1
Vinyl Chloride	< 0.15	ug/l	0.15	0.61	1	8260B		4/6/2022	CJR	1
m&p-Xylene	< 0.64	ug/l	0.64	2.63	1	8260B		4/6/2022	CJR	1
o-Xylene	< 0.37	ug/l	0.37	1.51	1	8260B		4/6/2022	CJR	1
SUR - 1,2-Dichloroethane-d4	95	REC %			1	8260B		4/6/2022	CJR	1
SUR - 4-Bromofluorobenzene	97	REC %			1	8260B		4/6/2022	CJR	1
SUR - Dibromofluoromethane	94	REC %			1	8260B		4/6/2022	CJR	1
SUR - Toluene-d8	96	REC %			1	8260B		4/6/2022	CJR	1

Project Name CITY OF BERLIN
Project # 19228

Invoice # E40768

Lab Code 5040768D
Sample ID MW-4
Sample Matrix Water
Sample Date 4/4/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic VOC's										
Benzene	0.88 "J"	ug/l	0.3	1.25	1	8260B		4/6/2022	CJR	1
Bromobenzene	< 0.34	ug/l	0.34	1.4	1	8260B		4/6/2022	CJR	1
Bromodichloromethane	< 0.36	ug/l	0.36	1.47	1	8260B		4/6/2022	CJR	1
Bromoform	< 0.42	ug/l	0.42	1.72	1	8260B		4/6/2022	CJR	1
tert-Butylbenzene	< 0.37	ug/l	0.37	1.49	1	8260B		4/6/2022	CJR	1
sec-Butylbenzene	4.1	ug/l	0.33	1.34	1	8260B		4/6/2022	CJR	1
n-Butylbenzene	8.1	ug/l	0.71	2.9	1	8260B		4/6/2022	CJR	1
Carbon Tetrachloride	< 0.34	ug/l	0.34	1.39	1	8260B		4/6/2022	CJR	1
Chlorobenzene	< 0.29	ug/l	0.29	1.19	1	8260B		4/6/2022	CJR	1
Chloroethane	< 0.62	ug/l	0.62	2.54	1	8260B		4/6/2022	CJR	1
Chloroform	< 0.33	ug/l	0.33	1.33	1	8260B		4/6/2022	CJR	1
Chloromethane	< 0.74	ug/l	0.74	3.03	1	8260B		4/6/2022	CJR	1
2-Chlorotoluene	< 0.34	ug/l	0.34	1.37	1	8260B		4/6/2022	CJR	1
4-Chlorotoluene	< 0.4	ug/l	0.4	1.63	1	8260B		4/6/2022	CJR	1
1,2-Dibromo-3-chloropropane	< 0.74	ug/l	0.74	3.01	1	8260B		4/6/2022	CJR	1
Dibromochloromethane	< 0.36	ug/l	0.36	1.46	1	8260B		4/6/2022	CJR	1
1,4-Dichlorobenzene	< 0.49	ug/l	0.49	2.01	1	8260B		4/6/2022	CJR	1
1,3-Dichlorobenzene	< 0.35	ug/l	0.35	1.44	1	8260B		4/6/2022	CJR	1
1,2-Dichlorobenzene	< 0.4	ug/l	0.4	1.65	1	8260B		4/6/2022	CJR	1
Dichlorodifluoromethane	< 0.3	ug/l	0.3	1.23	1	8260B		4/6/2022	CJR	1
1,2-Dichloroethane	< 0.43	ug/l	0.43	1.75	1	8260B		4/6/2022	CJR	1
1,1-Dichloroethane	< 0.43	ug/l	0.43	1.74	1	8260B		4/6/2022	CJR	1
1,1-Dichloroethene	< 0.43	ug/l	0.43	1.76	1	8260B		4/6/2022	CJR	1
cis-1,2-Dichloroethene	0.55 "J"	ug/l	0.32	1.29	1	8260B		4/6/2022	CJR	1
trans-1,2-Dichloroethene	< 0.5	ug/l	0.5	2.02	1	8260B		4/6/2022	CJR	1
1,2-Dichloropropane	< 0.39	ug/l	0.39	1.58	1	8260B		4/6/2022	CJR	1
1,3-Dichloropropane	< 0.38	ug/l	0.38	1.55	1	8260B		4/6/2022	CJR	1
trans-1,3-Dichloropropene	< 0.41	ug/l	0.41	1.67	1	8260B		4/6/2022	CJR	1
cis-1,3-Dichloropropene	< 0.41	ug/l	0.41	1.67	1	8260B		4/6/2022	CJR	1
Di-isopropyl ether	< 0.48	ug/l	0.48	1.96	1	8260B		4/6/2022	CJR	1
EDB (1,2-Dibromoethane)	< 0.39	ug/l	0.39	1.59	1	8260B		4/6/2022	CJR	1
Ethylbenzene	52	ug/l	0.33	1.37	1	8260B		4/6/2022	CJR	1
Hexachlorobutadiene	< 0.81	ug/l	0.81	3.44	1	8260B		4/6/2022	CJR	1
Isopropylbenzene	11.5	ug/l	0.34	1.38	1	8260B		4/6/2022	CJR	1
p-Isopropyltoluene	3.14	ug/l	0.47	1.91	1	8260B		4/6/2022	CJR	1
Methylene chloride	< 0.79	ug/l	0.79	3.23	1	8260B		4/6/2022	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.47	ug/l	0.47	1.91	1	8260B		4/6/2022	CJR	1
Naphthalene	5.7	ug/l	1.4	5.56	1	8260B		4/6/2022	CJR	1
n-Propylbenzene	22.5	ug/l	0.39	1.6	1	8260B		4/6/2022	CJR	1
1,1,2,2-Tetrachloroethane	< 0.43	ug/l	0.43	1.77	1	8260B		4/6/2022	CJR	1
1,1,1,2-Tetrachloroethane	< 0.55	ug/l	0.55	2.25	1	8260B		4/6/2022	CJR	1
Tetrachloroethene	< 0.47	ug/l	0.47	1.91	1	8260B		4/6/2022	CJR	1
Toluene	1.49	ug/l	0.33	1.35	1	8260B		4/6/2022	CJR	1
1,2,4-Trichlorobenzene	< 0.63	ug/l	0.63	2.57	1	8260B		4/6/2022	CJR	1

Project Name CITY OF BERLIN
Project # 19228

Invoice # E40768

Lab Code 5040768D
Sample ID MW-4
Sample Matrix Water
Sample Date 4/4/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2,3-Trichlorobenzene	< 1.4	ug/l	1.4	5.94	1	8260B		4/6/2022	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1.34	1	8260B		4/6/2022	CJR	1
1,1,2-Trichloroethane	< 0.42	ug/l	0.42	1.72	1	8260B		4/6/2022	CJR	1
Trichloroethene (TCE)	< 0.38	ug/l	0.38	1.55	1	8260B		4/6/2022	CJR	1
Trichlorofluoromethane	< 0.33	ug/l	0.33	1.35	1	8260B		4/6/2022	CJR	1
1,2,4-Trimethylbenzene	106	ug/l	0.35	1.44	1	8260B		4/6/2022	CJR	1
1,3,5-Trimethylbenzene	2.76	ug/l	0.41	1.66	1	8260B		4/6/2022	CJR	1
Vinyl Chloride	< 0.15	ug/l	0.15	0.61	1	8260B		4/6/2022	CJR	1
m&p-Xylene	46	ug/l	0.64	2.63	1	8260B		4/6/2022	CJR	1
o-Xylene	3.3	ug/l	0.37	1.51	1	8260B		4/6/2022	CJR	1
SUR - 4-Bromofluorobenzene	110	REC %			1	8260B		4/6/2022	CJR	1
SUR - Dibromofluoromethane	94	REC %			1	8260B		4/6/2022	CJR	1
SUR - Toluene-d8	101	REC %			1	8260B		4/6/2022	CJR	1
SUR - 1,2-Dichloroethane-d4	95	REC %			1	8260B		4/6/2022	CJR	1

Project Name CITY OF BERLIN
Project # 19228

Invoice # E40768

Lab Code 5040768E
Sample ID MW-5
Sample Matrix Water
Sample Date 4/4/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.3	ug/l	0.3	1.25	1	8260B		4/6/2022	CJR	1
Bromobenzene	< 0.34	ug/l	0.34	1.4	1	8260B		4/6/2022	CJR	1
Bromodichloromethane	< 0.36	ug/l	0.36	1.47	1	8260B		4/6/2022	CJR	1
Bromoform	< 0.42	ug/l	0.42	1.72	1	8260B		4/6/2022	CJR	1
tert-Butylbenzene	< 0.37	ug/l	0.37	1.49	1	8260B		4/6/2022	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1.34	1	8260B		4/6/2022	CJR	1
n-Butylbenzene	< 0.71	ug/l	0.71	2.9	1	8260B		4/6/2022	CJR	1
Carbon Tetrachloride	< 0.34	ug/l	0.34	1.39	1	8260B		4/6/2022	CJR	1
Chlorobenzene	< 0.29	ug/l	0.29	1.19	1	8260B		4/6/2022	CJR	1
Chloroethane	< 0.62	ug/l	0.62	2.54	1	8260B		4/6/2022	CJR	1
Chloroform	< 0.33	ug/l	0.33	1.33	1	8260B		4/6/2022	CJR	1
Chloromethane	< 0.74	ug/l	0.74	3.03	1	8260B		4/6/2022	CJR	1
2-Chlorotoluene	< 0.34	ug/l	0.34	1.37	1	8260B		4/6/2022	CJR	1
4-Chlorotoluene	< 0.4	ug/l	0.4	1.63	1	8260B		4/6/2022	CJR	1
1,2-Dibromo-3-chloropropane	< 0.74	ug/l	0.74	3.01	1	8260B		4/6/2022	CJR	1
Dibromochloromethane	< 0.36	ug/l	0.36	1.46	1	8260B		4/6/2022	CJR	1
1,4-Dichlorobenzene	< 0.49	ug/l	0.49	2.01	1	8260B		4/6/2022	CJR	1
1,3-Dichlorobenzene	< 0.35	ug/l	0.35	1.44	1	8260B		4/6/2022	CJR	1
1,2-Dichlorobenzene	< 0.4	ug/l	0.4	1.65	1	8260B		4/6/2022	CJR	1
Dichlorodifluoromethane	< 0.3	ug/l	0.3	1.23	1	8260B		4/6/2022	CJR	1
1,2-Dichloroethane	< 0.43	ug/l	0.43	1.75	1	8260B		4/6/2022	CJR	1
1,1-Dichloroethane	< 0.43	ug/l	0.43	1.74	1	8260B		4/6/2022	CJR	1
1,1-Dichloroethene	< 0.43	ug/l	0.43	1.76	1	8260B		4/6/2022	CJR	1
cis-1,2-Dichloroethene	5.3	ug/l	0.32	1.29	1	8260B		4/6/2022	CJR	1
trans-1,2-Dichloroethene	< 0.5	ug/l	0.5	2.02	1	8260B		4/6/2022	CJR	1
1,2-Dichloropropane	< 0.39	ug/l	0.39	1.58	1	8260B		4/6/2022	CJR	1
1,3-Dichloropropane	< 0.38	ug/l	0.38	1.55	1	8260B		4/6/2022	CJR	1
trans-1,3-Dichloropropene	< 0.41	ug/l	0.41	1.67	1	8260B		4/6/2022	CJR	1
cis-1,3-Dichloropropene	< 0.41	ug/l	0.41	1.67	1	8260B		4/6/2022	CJR	1
Di-isopropyl ether	< 0.48	ug/l	0.48	1.96	1	8260B		4/6/2022	CJR	1
EDB (1,2-Dibromoethane)	< 0.39	ug/l	0.39	1.59	1	8260B		4/6/2022	CJR	1
Ethylbenzene	< 0.33	ug/l	0.33	1.37	1	8260B		4/6/2022	CJR	1
Hexachlorobutadiene	< 0.81	ug/l	0.81	3.44	1	8260B		4/6/2022	CJR	1
Isopropylbenzene	< 0.34	ug/l	0.34	1.38	1	8260B		4/6/2022	CJR	1
p-Isopropyltoluene	< 0.47	ug/l	0.47	1.91	1	8260B		4/6/2022	CJR	1
Methylene chloride	< 0.79	ug/l	0.79	3.23	1	8260B		4/6/2022	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.47	ug/l	0.47	1.91	1	8260B		4/6/2022	CJR	1
Naphthalene	< 1.4	ug/l	1.4	5.56	1	8260B		4/6/2022	CJR	1
n-Propylbenzene	< 0.39	ug/l	0.39	1.6	1	8260B		4/6/2022	CJR	1
1,1,2,2-Tetrachloroethane	< 0.43	ug/l	0.43	1.77	1	8260B		4/6/2022	CJR	1
1,1,1,2-Tetrachloroethane	< 0.55	ug/l	0.55	2.25	1	8260B		4/6/2022	CJR	1
Tetrachloroethene	2.5	ug/l	0.47	1.91	1	8260B		4/6/2022	CJR	1
Toluene	< 0.33	ug/l	0.33	1.35	1	8260B		4/6/2022	CJR	1
1,2,4-Trichlorobenzene	< 0.63	ug/l	0.63	2.57	1	8260B		4/6/2022	CJR	1

Project Name CITY OF BERLIN
Project # 19228

Invoice # E40768

Lab Code 5040768E
Sample ID MW-5
Sample Matrix Water
Sample Date 4/4/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2,3-Trichlorobenzene	< 1.4	ug/l	1.4	5.94	1	8260B		4/6/2022	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1.34	1	8260B		4/6/2022	CJR	1
1,1,2-Trichloroethane	< 0.42	ug/l	0.42	1.72	1	8260B		4/6/2022	CJR	1
Trichloroethene (TCE)	< 0.38	ug/l	0.38	1.55	1	8260B		4/6/2022	CJR	1
Trichlorofluoromethane	< 0.33	ug/l	0.33	1.35	1	8260B		4/6/2022	CJR	1
1,2,4-Trimethylbenzene	0.84 "J"	ug/l	0.35	1.44	1	8260B		4/6/2022	CJR	1
1,3,5-Trimethylbenzene	< 0.41	ug/l	0.41	1.66	1	8260B		4/6/2022	CJR	1
Vinyl Chloride	< 0.15	ug/l	0.15	0.61	1	8260B		4/6/2022	CJR	1
m&p-Xylene	< 0.64	ug/l	0.64	2.63	1	8260B		4/6/2022	CJR	1
o-Xylene	< 0.37	ug/l	0.37	1.51	1	8260B		4/6/2022	CJR	1
SUR - 1,2-Dichloroethane-d4	93	REC %			1	8260B		4/6/2022	CJR	1
SUR - 4-Bromofluorobenzene	96	REC %			1	8260B		4/6/2022	CJR	1
SUR - Dibromofluoromethane	93	REC %			1	8260B		4/6/2022	CJR	1
SUR - Toluene-d8	95	REC %			1	8260B		4/6/2022	CJR	1

Project Name CITY OF BERLIN
Project # 19228

Invoice # E40768

Lab Code 5040768F
Sample ID MW-6
Sample Matrix Water
Sample Date 4/4/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.3	ug/l	0.3	1.25	1	8260B		4/7/2022	CJR	1
Bromobenzene	< 0.34	ug/l	0.34	1.4	1	8260B		4/7/2022	CJR	1
Bromodichloromethane	< 0.36	ug/l	0.36	1.47	1	8260B		4/7/2022	CJR	1
Bromoform	< 0.42	ug/l	0.42	1.72	1	8260B		4/7/2022	CJR	1
tert-Butylbenzene	< 0.37	ug/l	0.37	1.49	1	8260B		4/7/2022	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1.34	1	8260B		4/7/2022	CJR	1
n-Butylbenzene	< 0.71	ug/l	0.71	2.9	1	8260B		4/7/2022	CJR	1
Carbon Tetrachloride	< 0.34	ug/l	0.34	1.39	1	8260B		4/7/2022	CJR	1
Chlorobenzene	< 0.29	ug/l	0.29	1.19	1	8260B		4/7/2022	CJR	1
Chloroethane	< 0.62	ug/l	0.62	2.54	1	8260B		4/7/2022	CJR	1
Chloroform	< 0.33	ug/l	0.33	1.33	1	8260B		4/7/2022	CJR	1
Chloromethane	< 0.74	ug/l	0.74	3.03	1	8260B		4/7/2022	CJR	1
2-Chlorotoluene	< 0.34	ug/l	0.34	1.37	1	8260B		4/7/2022	CJR	1
4-Chlorotoluene	< 0.4	ug/l	0.4	1.63	1	8260B		4/7/2022	CJR	1
1,2-Dibromo-3-chloropropane	< 0.74	ug/l	0.74	3.01	1	8260B		4/7/2022	CJR	1
Dibromochloromethane	< 0.36	ug/l	0.36	1.46	1	8260B		4/7/2022	CJR	1
1,4-Dichlorobenzene	< 0.49	ug/l	0.49	2.01	1	8260B		4/7/2022	CJR	1
1,3-Dichlorobenzene	< 0.35	ug/l	0.35	1.44	1	8260B		4/7/2022	CJR	1
1,2-Dichlorobenzene	< 0.4	ug/l	0.4	1.65	1	8260B		4/7/2022	CJR	1
Dichlorodifluoromethane	< 0.3	ug/l	0.3	1.23	1	8260B		4/7/2022	CJR	1
1,2-Dichloroethane	< 0.43	ug/l	0.43	1.75	1	8260B		4/7/2022	CJR	1
1,1-Dichloroethane	< 0.43	ug/l	0.43	1.74	1	8260B		4/7/2022	CJR	1
1,1-Dichloroethene	< 0.43	ug/l	0.43	1.76	1	8260B		4/7/2022	CJR	1
cis-1,2-Dichloroethene	45	ug/l	0.32	1.29	1	8260B		4/7/2022	CJR	1
trans-1,2-Dichloroethene	1.05 "J"	ug/l	0.5	2.02	1	8260B		4/7/2022	CJR	1
1,2-Dichloropropane	< 0.39	ug/l	0.39	1.58	1	8260B		4/7/2022	CJR	1
1,3-Dichloropropane	< 0.38	ug/l	0.38	1.55	1	8260B		4/7/2022	CJR	1
trans-1,3-Dichloropropene	< 0.41	ug/l	0.41	1.67	1	8260B		4/7/2022	CJR	1
cis-1,3-Dichloropropene	< 0.41	ug/l	0.41	1.67	1	8260B		4/7/2022	CJR	1
Di-isopropyl ether	< 0.48	ug/l	0.48	1.96	1	8260B		4/7/2022	CJR	1
EDB (1,2-Dibromoethane)	< 0.39	ug/l	0.39	1.59	1	8260B		4/7/2022	CJR	1
Ethylbenzene	< 0.33	ug/l	0.33	1.37	1	8260B		4/7/2022	CJR	1
Hexachlorobutadiene	< 0.81	ug/l	0.81	3.44	1	8260B		4/7/2022	CJR	1
Isopropylbenzene	< 0.34	ug/l	0.34	1.38	1	8260B		4/7/2022	CJR	1
p-Isopropyltoluene	< 0.47	ug/l	0.47	1.91	1	8260B		4/7/2022	CJR	1
Methylene chloride	< 0.79	ug/l	0.79	3.23	1	8260B		4/7/2022	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.47	ug/l	0.47	1.91	1	8260B		4/7/2022	CJR	1
Naphthalene	< 1.4	ug/l	1.4	5.56	1	8260B		4/7/2022	CJR	1
n-Propylbenzene	< 0.39	ug/l	0.39	1.6	1	8260B		4/7/2022	CJR	1
1,1,2,2-Tetrachloroethane	< 0.43	ug/l	0.43	1.77	1	8260B		4/7/2022	CJR	1
1,1,1,2-Tetrachloroethane	< 0.55	ug/l	0.55	2.25	1	8260B		4/7/2022	CJR	1
Tetrachloroethene	73	ug/l	0.47	1.91	1	8260B		4/7/2022	CJR	1
Toluene	< 0.33	ug/l	0.33	1.35	1	8260B		4/7/2022	CJR	1
1,2,4-Trichlorobenzene	< 0.63	ug/l	0.63	2.57	1	8260B		4/7/2022	CJR	1

Project Name CITY OF BERLIN
Project # 19228

Invoice # E40768

Lab Code 5040768F
Sample ID MW-6
Sample Matrix Water
Sample Date 4/4/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2,3-Trichlorobenzene	< 1.4	ug/l	1.4	5.94	1	8260B		4/7/2022	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1.34	1	8260B		4/7/2022	CJR	1
1,1,2-Trichloroethane	< 0.42	ug/l	0.42	1.72	1	8260B		4/7/2022	CJR	1
Trichloroethene (TCE)	33	ug/l	0.38	1.55	1	8260B		4/7/2022	CJR	1
Trichlorofluoromethane	< 0.33	ug/l	0.33	1.35	1	8260B		4/7/2022	CJR	1
1,2,4-Trimethylbenzene	< 0.35	ug/l	0.35	1.44	1	8260B		4/7/2022	CJR	1
1,3,5-Trimethylbenzene	< 0.41	ug/l	0.41	1.66	1	8260B		4/7/2022	CJR	1
Vinyl Chloride	< 0.15	ug/l	0.15	0.61	1	8260B		4/7/2022	CJR	1
m&p-Xylene	< 0.64	ug/l	0.64	2.63	1	8260B		4/7/2022	CJR	1
o-Xylene	< 0.37	ug/l	0.37	1.51	1	8260B		4/7/2022	CJR	1
SUR - 1,2-Dichloroethane-d4	91	REC %			1	8260B		4/7/2022	CJR	1
SUR - 4-Bromofluorobenzene	92	REC %			1	8260B		4/7/2022	CJR	1
SUR - Dibromofluoromethane	93	REC %			1	8260B		4/7/2022	CJR	1
SUR - Toluene-d8	97	REC %			1	8260B		4/7/2022	CJR	1

Project Name CITY OF BERLIN
Project # 19228

Invoice # E40768

Lab Code 5040768G
Sample ID MW-7
Sample Matrix Water
Sample Date 4/4/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.3	ug/l	0.3	1.25	1	8260B		4/7/2022	CJR	1
Bromobenzene	< 0.34	ug/l	0.34	1.4	1	8260B		4/7/2022	CJR	1
Bromodichloromethane	< 0.36	ug/l	0.36	1.47	1	8260B		4/7/2022	CJR	1
Bromoform	< 0.42	ug/l	0.42	1.72	1	8260B		4/7/2022	CJR	1
tert-Butylbenzene	< 0.37	ug/l	0.37	1.49	1	8260B		4/7/2022	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1.34	1	8260B		4/7/2022	CJR	1
n-Butylbenzene	< 0.71	ug/l	0.71	2.9	1	8260B		4/7/2022	CJR	1
Carbon Tetrachloride	< 0.34	ug/l	0.34	1.39	1	8260B		4/7/2022	CJR	1
Chlorobenzene	< 0.29	ug/l	0.29	1.19	1	8260B		4/7/2022	CJR	1
Chloroethane	< 0.62	ug/l	0.62	2.54	1	8260B		4/7/2022	CJR	1
Chloroform	< 0.33	ug/l	0.33	1.33	1	8260B		4/7/2022	CJR	1
Chloromethane	< 0.74	ug/l	0.74	3.03	1	8260B		4/7/2022	CJR	1
2-Chlorotoluene	< 0.34	ug/l	0.34	1.37	1	8260B		4/7/2022	CJR	1
4-Chlorotoluene	< 0.4	ug/l	0.4	1.63	1	8260B		4/7/2022	CJR	1
1,2-Dibromo-3-chloropropane	< 0.74	ug/l	0.74	3.01	1	8260B		4/7/2022	CJR	1
Dibromochloromethane	< 0.36	ug/l	0.36	1.46	1	8260B		4/7/2022	CJR	1
1,4-Dichlorobenzene	< 0.49	ug/l	0.49	2.01	1	8260B		4/7/2022	CJR	1
1,3-Dichlorobenzene	< 0.35	ug/l	0.35	1.44	1	8260B		4/7/2022	CJR	1
1,2-Dichlorobenzene	< 0.4	ug/l	0.4	1.65	1	8260B		4/7/2022	CJR	1
Dichlorodifluoromethane	< 0.3	ug/l	0.3	1.23	1	8260B		4/7/2022	CJR	1
1,2-Dichloroethane	< 0.43	ug/l	0.43	1.75	1	8260B		4/7/2022	CJR	1
1,1-Dichloroethane	< 0.43	ug/l	0.43	1.74	1	8260B		4/7/2022	CJR	1
1,1-Dichloroethene	< 0.43	ug/l	0.43	1.76	1	8260B		4/7/2022	CJR	1
cis-1,2-Dichloroethene	< 0.32	ug/l	0.32	1.29	1	8260B		4/7/2022	CJR	1
trans-1,2-Dichloroethene	< 0.5	ug/l	0.5	2.02	1	8260B		4/7/2022	CJR	1
1,2-Dichloropropane	< 0.39	ug/l	0.39	1.58	1	8260B		4/7/2022	CJR	1
1,3-Dichloropropane	< 0.38	ug/l	0.38	1.55	1	8260B		4/7/2022	CJR	1
trans-1,3-Dichloropropene	< 0.41	ug/l	0.41	1.67	1	8260B		4/7/2022	CJR	1
cis-1,3-Dichloropropene	< 0.41	ug/l	0.41	1.67	1	8260B		4/7/2022	CJR	1
Di-isopropyl ether	< 0.48	ug/l	0.48	1.96	1	8260B		4/7/2022	CJR	1
EDB (1,2-Dibromoethane)	< 0.39	ug/l	0.39	1.59	1	8260B		4/7/2022	CJR	1
Ethylbenzene	< 0.33	ug/l	0.33	1.37	1	8260B		4/7/2022	CJR	1
Hexachlorobutadiene	< 0.81	ug/l	0.81	3.44	1	8260B		4/7/2022	CJR	1
Isopropylbenzene	< 0.34	ug/l	0.34	1.38	1	8260B		4/7/2022	CJR	1
p-Isopropyltoluene	< 0.47	ug/l	0.47	1.91	1	8260B		4/7/2022	CJR	1
Methylene chloride	< 0.79	ug/l	0.79	3.23	1	8260B		4/7/2022	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.47	ug/l	0.47	1.91	1	8260B		4/7/2022	CJR	1
Naphthalene	< 1.4	ug/l	1.4	5.56	1	8260B		4/7/2022	CJR	1
n-Propylbenzene	< 0.39	ug/l	0.39	1.6	1	8260B		4/7/2022	CJR	1
1,1,2,2-Tetrachloroethane	< 0.43	ug/l	0.43	1.77	1	8260B		4/7/2022	CJR	1
1,1,1,2-Tetrachloroethane	< 0.55	ug/l	0.55	2.25	1	8260B		4/7/2022	CJR	1
Tetrachloroethene	< 0.47	ug/l	0.47	1.91	1	8260B		4/7/2022	CJR	1
Toluene	< 0.33	ug/l	0.33	1.35	1	8260B		4/7/2022	CJR	1
1,2,4-Trichlorobenzene	< 0.63	ug/l	0.63	2.57	1	8260B		4/7/2022	CJR	1

Project Name CITY OF BERLIN
Project # 19228

Invoice # E40768

Lab Code 5040768G
Sample ID MW-7
Sample Matrix Water
Sample Date 4/4/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2,3-Trichlorobenzene	< 1.4	ug/l	1.4	5.94	1	8260B		4/7/2022	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1.34	1	8260B		4/7/2022	CJR	1
1,1,2-Trichloroethane	< 0.42	ug/l	0.42	1.72	1	8260B		4/7/2022	CJR	1
Trichloroethene (TCE)	< 0.38	ug/l	0.38	1.55	1	8260B		4/7/2022	CJR	1
Trichlorofluoromethane	< 0.33	ug/l	0.33	1.35	1	8260B		4/7/2022	CJR	1
1,2,4-Trimethylbenzene	< 0.35	ug/l	0.35	1.44	1	8260B		4/7/2022	CJR	1
1,3,5-Trimethylbenzene	< 0.41	ug/l	0.41	1.66	1	8260B		4/7/2022	CJR	1
Vinyl Chloride	< 0.15	ug/l	0.15	0.61	1	8260B		4/7/2022	CJR	1
m&p-Xylene	< 0.64	ug/l	0.64	2.63	1	8260B		4/7/2022	CJR	1
o-Xylene	< 0.37	ug/l	0.37	1.51	1	8260B		4/7/2022	CJR	1
SUR - 1,2-Dichloroethane-d4	99	REC %			1	8260B		4/7/2022	CJR	1
SUR - 4-Bromofluorobenzene	94	REC %			1	8260B		4/7/2022	CJR	1
SUR - Dibromofluoromethane	95	REC %			1	8260B		4/7/2022	CJR	1
SUR - Toluene-d8	93	REC %			1	8260B		4/7/2022	CJR	1

Project Name CITY OF BERLIN
Project # 19228

Invoice # E40768

Lab Code 5040768H
Sample ID MW-8
Sample Matrix Water
Sample Date 4/4/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.3	ug/l	0.3	1.25	1	8260B		4/7/2022	CJR	1
Bromobenzene	< 0.34	ug/l	0.34	1.4	1	8260B		4/7/2022	CJR	1
Bromodichloromethane	< 0.36	ug/l	0.36	1.47	1	8260B		4/7/2022	CJR	1
Bromoform	< 0.42	ug/l	0.42	1.72	1	8260B		4/7/2022	CJR	1
tert-Butylbenzene	< 0.37	ug/l	0.37	1.49	1	8260B		4/7/2022	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1.34	1	8260B		4/7/2022	CJR	1
n-Butylbenzene	< 0.71	ug/l	0.71	2.9	1	8260B		4/7/2022	CJR	1
Carbon Tetrachloride	< 0.34	ug/l	0.34	1.39	1	8260B		4/7/2022	CJR	1
Chlorobenzene	< 0.29	ug/l	0.29	1.19	1	8260B		4/7/2022	CJR	1
Chloroethane	< 0.62	ug/l	0.62	2.54	1	8260B		4/7/2022	CJR	1
Chloroform	< 0.33	ug/l	0.33	1.33	1	8260B		4/7/2022	CJR	1
Chloromethane	< 0.74	ug/l	0.74	3.03	1	8260B		4/7/2022	CJR	1
2-Chlorotoluene	< 0.34	ug/l	0.34	1.37	1	8260B		4/7/2022	CJR	1
4-Chlorotoluene	< 0.4	ug/l	0.4	1.63	1	8260B		4/7/2022	CJR	1
1,2-Dibromo-3-chloropropane	< 0.74	ug/l	0.74	3.01	1	8260B		4/7/2022	CJR	1
Dibromochloromethane	< 0.36	ug/l	0.36	1.46	1	8260B		4/7/2022	CJR	1
1,4-Dichlorobenzene	< 0.49	ug/l	0.49	2.01	1	8260B		4/7/2022	CJR	1
1,3-Dichlorobenzene	< 0.35	ug/l	0.35	1.44	1	8260B		4/7/2022	CJR	1
1,2-Dichlorobenzene	< 0.4	ug/l	0.4	1.65	1	8260B		4/7/2022	CJR	1
Dichlorodifluoromethane	< 0.3	ug/l	0.3	1.23	1	8260B		4/7/2022	CJR	1
1,2-Dichloroethane	< 0.43	ug/l	0.43	1.75	1	8260B		4/7/2022	CJR	1
1,1-Dichloroethane	< 0.43	ug/l	0.43	1.74	1	8260B		4/7/2022	CJR	1
1,1-Dichloroethene	< 0.43	ug/l	0.43	1.76	1	8260B		4/7/2022	CJR	1
cis-1,2-Dichloroethene	< 0.32	ug/l	0.32	1.29	1	8260B		4/7/2022	CJR	1
trans-1,2-Dichloroethene	< 0.5	ug/l	0.5	2.02	1	8260B		4/7/2022	CJR	1
1,2-Dichloropropane	< 0.39	ug/l	0.39	1.58	1	8260B		4/7/2022	CJR	1
1,3-Dichloropropane	< 0.38	ug/l	0.38	1.55	1	8260B		4/7/2022	CJR	1
trans-1,3-Dichloropropene	< 0.41	ug/l	0.41	1.67	1	8260B		4/7/2022	CJR	1
cis-1,3-Dichloropropene	< 0.41	ug/l	0.41	1.67	1	8260B		4/7/2022	CJR	1
Di-isopropyl ether	< 0.48	ug/l	0.48	1.96	1	8260B		4/7/2022	CJR	1
EDB (1,2-Dibromoethane)	< 0.39	ug/l	0.39	1.59	1	8260B		4/7/2022	CJR	1
Ethylbenzene	< 0.33	ug/l	0.33	1.37	1	8260B		4/7/2022	CJR	1
Hexachlorobutadiene	< 0.81	ug/l	0.81	3.44	1	8260B		4/7/2022	CJR	1
Isopropylbenzene	< 0.34	ug/l	0.34	1.38	1	8260B		4/7/2022	CJR	1
p-Isopropyltoluene	< 0.47	ug/l	0.47	1.91	1	8260B		4/7/2022	CJR	1
Methylene chloride	< 0.79	ug/l	0.79	3.23	1	8260B		4/7/2022	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.47	ug/l	0.47	1.91	1	8260B		4/7/2022	CJR	1
Naphthalene	< 1.4	ug/l	1.4	5.56	1	8260B		4/7/2022	CJR	1
n-Propylbenzene	< 0.39	ug/l	0.39	1.6	1	8260B		4/7/2022	CJR	1
1,1,2,2-Tetrachloroethane	< 0.43	ug/l	0.43	1.77	1	8260B		4/7/2022	CJR	1
1,1,1,2-Tetrachloroethane	< 0.55	ug/l	0.55	2.25	1	8260B		4/7/2022	CJR	1
Tetrachloroethene	< 0.47	ug/l	0.47	1.91	1	8260B		4/7/2022	CJR	1
Toluene	< 0.33	ug/l	0.33	1.35	1	8260B		4/7/2022	CJR	1
1,2,4-Trichlorobenzene	< 0.63	ug/l	0.63	2.57	1	8260B		4/7/2022	CJR	1

Project Name CITY OF BERLIN
Project # 19228

Invoice # E40768

Lab Code 5040768H
Sample ID MW-8
Sample Matrix Water
Sample Date 4/4/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2,3-Trichlorobenzene	< 1.4	ug/l	1.4	5.94	1	8260B		4/7/2022	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1.34	1	8260B		4/7/2022	CJR	1
1,1,2-Trichloroethane	< 0.42	ug/l	0.42	1.72	1	8260B		4/7/2022	CJR	1
Trichloroethene (TCE)	< 0.38	ug/l	0.38	1.55	1	8260B		4/7/2022	CJR	1
Trichlorofluoromethane	< 0.33	ug/l	0.33	1.35	1	8260B		4/7/2022	CJR	1
1,2,4-Trimethylbenzene	< 0.35	ug/l	0.35	1.44	1	8260B		4/7/2022	CJR	1
1,3,5-Trimethylbenzene	< 0.41	ug/l	0.41	1.66	1	8260B		4/7/2022	CJR	1
Vinyl Chloride	< 0.15	ug/l	0.15	0.61	1	8260B		4/7/2022	CJR	1
m&p-Xylene	< 0.64	ug/l	0.64	2.63	1	8260B		4/7/2022	CJR	1
o-Xylene	< 0.37	ug/l	0.37	1.51	1	8260B		4/7/2022	CJR	1
SUR - 4-Bromofluorobenzene	94	REC %			1	8260B		4/7/2022	CJR	1
SUR - Dibromofluoromethane	93	REC %			1	8260B		4/7/2022	CJR	1
SUR - Toluene-d8	95	REC %			1	8260B		4/7/2022	CJR	1
SUR - 1,2-Dichloroethane-d4	94	REC %			1	8260B		4/7/2022	CJR	1

Project Name CITY OF BERLIN
Project # 19228

Invoice # B40768

Lab Code 5040768I
Sample ID MW-9
Sample Matrix Water
Sample Date 4/4/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.3	ug/l	0.3	1.25	1	8260B		4/7/2022	CJR	1
Bromobenzene	< 0.34	ug/l	0.34	1.4	1	8260B		4/7/2022	CJR	1
Bromodichloromethane	< 0.36	ug/l	0.36	1.47	1	8260B		4/7/2022	CJR	1
Bromoform	< 0.42	ug/l	0.42	1.72	1	8260B		4/7/2022	CJR	1
tert-Butylbenzene	< 0.37	ug/l	0.37	1.49	1	8260B		4/7/2022	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1.34	1	8260B		4/7/2022	CJR	1
n-Butylbenzene	< 0.71	ug/l	0.71	2.9	1	8260B		4/7/2022	CJR	1
Carbon Tetrachloride	< 0.34	ug/l	0.34	1.39	1	8260B		4/7/2022	CJR	1
Chlorobenzene	< 0.29	ug/l	0.29	1.19	1	8260B		4/7/2022	CJR	1
Chloroethane	< 0.62	ug/l	0.62	2.54	1	8260B		4/7/2022	CJR	1
Chloroform	< 0.33	ug/l	0.33	1.33	1	8260B		4/7/2022	CJR	1
Chloromethane	< 0.74	ug/l	0.74	3.03	1	8260B		4/7/2022	CJR	1
2-Chlorotoluene	< 0.34	ug/l	0.34	1.37	1	8260B		4/7/2022	CJR	1
4-Chlorotoluene	< 0.4	ug/l	0.4	1.63	1	8260B		4/7/2022	CJR	1
1,2-Dibromo-3-chloropropane	< 0.74	ug/l	0.74	3.01	1	8260B		4/7/2022	CJR	1
Dibromochloromethane	< 0.36	ug/l	0.36	1.46	1	8260B		4/7/2022	CJR	1
1,4-Dichlorobenzene	< 0.49	ug/l	0.49	2.01	1	8260B		4/7/2022	CJR	1
1,3-Dichlorobenzene	< 0.35	ug/l	0.35	1.44	1	8260B		4/7/2022	CJR	1
1,2-Dichlorobenzene	< 0.4	ug/l	0.4	1.65	1	8260B		4/7/2022	CJR	1
Dichlorodifluoromethane	< 0.3	ug/l	0.3	1.23	1	8260B		4/7/2022	CJR	1
1,2-Dichloroethane	< 0.43	ug/l	0.43	1.75	1	8260B		4/7/2022	CJR	1
1,1-Dichloroethane	< 0.43	ug/l	0.43	1.74	1	8260B		4/7/2022	CJR	1
1,1-Dichloroethene	< 0.43	ug/l	0.43	1.76	1	8260B		4/7/2022	CJR	1
cis-1,2-Dichloroethene	< 0.32	ug/l	0.32	1.29	1	8260B		4/7/2022	CJR	1
trans-1,2-Dichloroethene	< 0.5	ug/l	0.5	2.02	1	8260B		4/7/2022	CJR	1
1,2-Dichloropropane	< 0.39	ug/l	0.39	1.58	1	8260B		4/7/2022	CJR	1
1,3-Dichloropropane	< 0.38	ug/l	0.38	1.55	1	8260B		4/7/2022	CJR	1
trans-1,3-Dichloropropene	< 0.41	ug/l	0.41	1.67	1	8260B		4/7/2022	CJR	1
cis-1,3-Dichloropropene	< 0.41	ug/l	0.41	1.67	1	8260B		4/7/2022	CJR	1
Di-isopropyl ether	< 0.48	ug/l	0.48	1.96	1	8260B		4/7/2022	CJR	1
EDB (1,2-Dibromoethane)	< 0.39	ug/l	0.39	1.59	1	8260B		4/7/2022	CJR	1
Ethylbenzene	< 0.33	ug/l	0.33	1.37	1	8260B		4/7/2022	CJR	1
Hexachlorobutadiene	< 0.81	ug/l	0.81	3.44	1	8260B		4/7/2022	CJR	1
Isopropylbenzene	< 0.34	ug/l	0.34	1.38	1	8260B		4/7/2022	CJR	1
p-Isopropyltoluene	< 0.47	ug/l	0.47	1.91	1	8260B		4/7/2022	CJR	1
Methylene chloride	< 0.79	ug/l	0.79	3.23	1	8260B		4/7/2022	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.47	ug/l	0.47	1.91	1	8260B		4/7/2022	CJR	1
Naphthalene	< 1.4	ug/l	1.4	5.56	1	8260B		4/7/2022	CJR	1
n-Propylbenzene	< 0.39	ug/l	0.39	1.6	1	8260B		4/7/2022	CJR	1
1,1,2,2-Tetrachloroethane	< 0.43	ug/l	0.43	1.77	1	8260B		4/7/2022	CJR	1
1,1,1,2-Tetrachloroethane	< 0.55	ug/l	0.55	2.25	1	8260B		4/7/2022	CJR	1
Tetrachloroethene	< 0.47	ug/l	0.47	1.91	1	8260B		4/7/2022	CJR	1
Toluene	< 0.33	ug/l	0.33	1.35	1	8260B		4/7/2022	CJR	1
1,2,4-Trichlorobenzene	< 0.63	ug/l	0.63	2.57	1	8260B		4/7/2022	CJR	1

Project Name CITY OF BERLIN
Project # 19228

Invoice # E40768

Lab Code 5040768I
Sample ID MW-9
Sample Matrix Water
Sample Date 4/4/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2,3-Trichlorobenzene	< 1.4	ug/l	1.4	5.94	1	8260B		4/7/2022	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1.34	1	8260B		4/7/2022	CJR	1
1,1,2-Trichloroethane	< 0.42	ug/l	0.42	1.72	1	8260B		4/7/2022	CJR	1
Trichloroethene (TCE)	< 0.38	ug/l	0.38	1.55	1	8260B		4/7/2022	CJR	1
Trichlorofluoromethane	< 0.33	ug/l	0.33	1.35	1	8260B		4/7/2022	CJR	1
1,2,4-Trimethylbenzene	< 0.35	ug/l	0.35	1.44	1	8260B		4/7/2022	CJR	1
1,3,5-Trimethylbenzene	< 0.41	ug/l	0.41	1.66	1	8260B		4/7/2022	CJR	1
Vinyl Chloride	< 0.15	ug/l	0.15	0.61	1	8260B		4/7/2022	CJR	1
m&p-Xylene	< 0.64	ug/l	0.64	2.63	1	8260B		4/7/2022	CJR	1
o-Xylene	< 0.37	ug/l	0.37	1.51	1	8260B		4/7/2022	CJR	1
SUR - 1,2-Dichloroethane-d4	89	REC %			1	8260B		4/7/2022	CJR	1
SUR - 4-Bromofluorobenzene	92	REC %			1	8260B		4/7/2022	CJR	1
SUR - Dibromofluoromethane	94	REC %			1	8260B		4/7/2022	CJR	1
SUR - Toluene-d8	93	REC %			1	8260B		4/7/2022	CJR	1

Project Name CITY OF BERLIN
Project # 19228

Invoice # E40768

Lab Code 5040768J
Sample ID MW-10
Sample Matrix Water
Sample Date 4/4/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.3	ug/l	0.3	1.25	1	8260B		4/7/2022	CJR	1
Bromobenzene	< 0.34	ug/l	0.34	1.4	1	8260B		4/7/2022	CJR	1
Bromodichloromethane	< 0.36	ug/l	0.36	1.47	1	8260B		4/7/2022	CJR	1
Bromoform	< 0.42	ug/l	0.42	1.72	1	8260B		4/7/2022	CJR	1
tert-Butylbenzene	< 0.37	ug/l	0.37	1.49	1	8260B		4/7/2022	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1.34	1	8260B		4/7/2022	CJR	1
n-Butylbenzene	< 0.71	ug/l	0.71	2.9	1	8260B		4/7/2022	CJR	1
Carbon Tetrachloride	< 0.34	ug/l	0.34	1.39	1	8260B		4/7/2022	CJR	1
Chlorobenzene	< 0.29	ug/l	0.29	1.19	1	8260B		4/7/2022	CJR	1
Chloroethane	< 0.62	ug/l	0.62	2.54	1	8260B		4/7/2022	CJR	1
Chloroform	< 0.33	ug/l	0.33	1.33	1	8260B		4/7/2022	CJR	1
Chloromethane	< 0.74	ug/l	0.74	3.03	1	8260B		4/7/2022	CJR	1
2-Chlorotoluene	< 0.34	ug/l	0.34	1.37	1	8260B		4/7/2022	CJR	1
4-Chlorotoluene	< 0.4	ug/l	0.4	1.63	1	8260B		4/7/2022	CJR	1
1,2-Dibromo-3-chloropropane	< 0.74	ug/l	0.74	3.01	1	8260B		4/7/2022	CJR	1
Dibromochloromethane	< 0.36	ug/l	0.36	1.46	1	8260B		4/7/2022	CJR	1
1,4-Dichlorobenzene	< 0.49	ug/l	0.49	2.01	1	8260B		4/7/2022	CJR	1
1,3-Dichlorobenzene	< 0.35	ug/l	0.35	1.44	1	8260B		4/7/2022	CJR	1
1,2-Dichlorobenzene	< 0.4	ug/l	0.4	1.65	1	8260B		4/7/2022	CJR	1
Dichlorodifluoromethane	< 0.3	ug/l	0.3	1.23	1	8260B		4/7/2022	CJR	1
1,2-Dichloroethane	< 0.43	ug/l	0.43	1.75	1	8260B		4/7/2022	CJR	1
1,1-Dichloroethane	< 0.43	ug/l	0.43	1.74	1	8260B		4/7/2022	CJR	1
1,1-Dichloroethene	< 0.43	ug/l	0.43	1.76	1	8260B		4/7/2022	CJR	1
cis-1,2-Dichloroethene	< 0.32	ug/l	0.32	1.29	1	8260B		4/7/2022	CJR	1
trans-1,2-Dichloroethene	< 0.5	ug/l	0.5	2.02	1	8260B		4/7/2022	CJR	1
1,2-Dichloropropane	< 0.39	ug/l	0.39	1.58	1	8260B		4/7/2022	CJR	1
1,3-Dichloropropane	< 0.38	ug/l	0.38	1.55	1	8260B		4/7/2022	CJR	1
trans-1,3-Dichloropropene	< 0.41	ug/l	0.41	1.67	1	8260B		4/7/2022	CJR	1
cis-1,3-Dichloropropene	< 0.41	ug/l	0.41	1.67	1	8260B		4/7/2022	CJR	1
Di-isopropyl ether	< 0.48	ug/l	0.48	1.96	1	8260B		4/7/2022	CJR	1
EDB (1,2-Dibromoethane)	< 0.39	ug/l	0.39	1.59	1	8260B		4/7/2022	CJR	1
Ethylbenzene	< 0.33	ug/l	0.33	1.37	1	8260B		4/7/2022	CJR	1
Hexachlorobutadiene	< 0.81	ug/l	0.81	3.44	1	8260B		4/7/2022	CJR	1
Isopropylbenzene	< 0.34	ug/l	0.34	1.38	1	8260B		4/7/2022	CJR	1
p-Isopropyltoluene	< 0.47	ug/l	0.47	1.91	1	8260B		4/7/2022	CJR	1
Methylene chloride	< 0.79	ug/l	0.79	3.23	1	8260B		4/7/2022	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.47	ug/l	0.47	1.91	1	8260B		4/7/2022	CJR	1
Naphthalene	< 1.4	ug/l	1.4	5.56	1	8260B		4/7/2022	CJR	1
n-Propylbenzene	< 0.39	ug/l	0.39	1.6	1	8260B		4/7/2022	CJR	1
1,1,2,2-Tetrachloroethane	< 0.43	ug/l	0.43	1.77	1	8260B		4/7/2022	CJR	1
1,1,1,2-Tetrachloroethane	< 0.55	ug/l	0.55	2.25	1	8260B		4/7/2022	CJR	1
Tetrachloroethene	< 0.47	ug/l	0.47	1.91	1	8260B		4/7/2022	CJR	1
Toluene	< 0.33	ug/l	0.33	1.35	1	8260B		4/7/2022	CJR	1
1,2,4-Trichlorobenzene	< 0.63	ug/l	0.63	2.57	1	8260B		4/7/2022	CJR	1

Project Name CITY OF BERLIN
Project # 19228

Invoice # E40768

Lab Code 5040768J
Sample ID MW-10
Sample Matrix Water
Sample Date 4/4/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2,3-Trichlorobenzene	< 1.4	ug/l	1.4	5.94	1	8260B		4/7/2022	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1.34	1	8260B		4/7/2022	CJR	1
1,1,2-Trichloroethane	< 0.42	ug/l	0.42	1.72	1	8260B		4/7/2022	CJR	1
Trichloroethene (TCE)	< 0.38	ug/l	0.38	1.55	1	8260B		4/7/2022	CJR	1
Trichlorofluoromethane	< 0.33	ug/l	0.33	1.35	1	8260B		4/7/2022	CJR	1
1,2,4-Trimethylbenzene	< 0.35	ug/l	0.35	1.44	1	8260B		4/7/2022	CJR	1
1,3,5-Trimethylbenzene	< 0.41	ug/l	0.41	1.66	1	8260B		4/7/2022	CJR	1
Vinyl Chloride	< 0.15	ug/l	0.15	0.61	1	8260B		4/7/2022	CJR	1
m&p-Xylene	< 0.64	ug/l	0.64	2.63	1	8260B		4/7/2022	CJR	1
o-Xylene	< 0.37	ug/l	0.37	1.51	1	8260B		4/7/2022	CJR	1
SUR - 1,2-Dichloroethane-d4	96	REC %			1	8260B		4/7/2022	CJR	1
SUR - Toluene-d8	94	REC %			1	8260B		4/7/2022	CJR	1
SUR - 4-Bromofluorobenzene	95	REC %			1	8260B		4/7/2022	CJR	1
SUR - Dibromofluoromethane	91	REC %			1	8260B		4/7/2022	CJR	1

Project Name CITY OF BERLIN
Project # 19228

Invoice # E40768

Lab Code 5040768K
Sample ID MW-11
Sample Matrix Water
Sample Date 4/4/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.3	ug/l	0.3	1.25	1	8260B		4/7/2022	CJR	1
Bromobenzene	< 0.34	ug/l	0.34	1.4	1	8260B		4/7/2022	CJR	1
Bromodichloromethane	< 0.36	ug/l	0.36	1.47	1	8260B		4/7/2022	CJR	1
Bromoform	< 0.42	ug/l	0.42	1.72	1	8260B		4/7/2022	CJR	1
tert-Butylbenzene	< 0.37	ug/l	0.37	1.49	1	8260B		4/7/2022	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1.34	1	8260B		4/7/2022	CJR	1
n-Butylbenzene	< 0.71	ug/l	0.71	2.9	1	8260B		4/7/2022	CJR	1
Carbon Tetrachloride	< 0.34	ug/l	0.34	1.39	1	8260B		4/7/2022	CJR	1
Chlorobenzene	< 0.29	ug/l	0.29	1.19	1	8260B		4/7/2022	CJR	1
Chloroethane	< 0.62	ug/l	0.62	2.54	1	8260B		4/7/2022	CJR	1
Chloroform	< 0.33	ug/l	0.33	1.33	1	8260B		4/7/2022	CJR	1
Chloromethane	< 0.74	ug/l	0.74	3.03	1	8260B		4/7/2022	CJR	1
2-Chlorotoluene	< 0.34	ug/l	0.34	1.37	1	8260B		4/7/2022	CJR	1
4-Chlorotoluene	< 0.4	ug/l	0.4	1.63	1	8260B		4/7/2022	CJR	1
1,2-Dibromo-3-chloropropane	< 0.74	ug/l	0.74	3.01	1	8260B		4/7/2022	CJR	1
Dibromochloromethane	< 0.36	ug/l	0.36	1.46	1	8260B		4/7/2022	CJR	1
1,4-Dichlorobenzene	< 0.49	ug/l	0.49	2.01	1	8260B		4/7/2022	CJR	1
1,3-Dichlorobenzene	< 0.35	ug/l	0.35	1.44	1	8260B		4/7/2022	CJR	1
1,2-Dichlorobenzene	< 0.4	ug/l	0.4	1.65	1	8260B		4/7/2022	CJR	1
Dichlorodifluoromethane	< 0.3	ug/l	0.3	1.23	1	8260B		4/7/2022	CJR	1
1,2-Dichloroethane	< 0.43	ug/l	0.43	1.75	1	8260B		4/7/2022	CJR	1
1,1-Dichloroethane	< 0.43	ug/l	0.43	1.74	1	8260B		4/7/2022	CJR	1
1,1-Dichloroethene	< 0.43	ug/l	0.43	1.76	1	8260B		4/7/2022	CJR	1
cis-1,2-Dichloroethene	< 0.32	ug/l	0.32	1.29	1	8260B		4/7/2022	CJR	1
trans-1,2-Dichloroethene	< 0.5	ug/l	0.5	2.02	1	8260B		4/7/2022	CJR	1
1,2-Dichloropropane	< 0.39	ug/l	0.39	1.58	1	8260B		4/7/2022	CJR	1
1,3-Dichloropropane	< 0.38	ug/l	0.38	1.55	1	8260B		4/7/2022	CJR	1
trans-1,3-Dichloropropene	< 0.41	ug/l	0.41	1.67	1	8260B		4/7/2022	CJR	1
cis-1,3-Dichloropropene	< 0.41	ug/l	0.41	1.67	1	8260B		4/7/2022	CJR	1
Di-isopropyl ether	< 0.48	ug/l	0.48	1.96	1	8260B		4/7/2022	CJR	1
EDB (1,2-Dibromoethane)	< 0.39	ug/l	0.39	1.59	1	8260B		4/7/2022	CJR	1
Ethylbenzene	< 0.33	ug/l	0.33	1.37	1	8260B		4/7/2022	CJR	1
Hexachlorobutadiene	< 0.81	ug/l	0.81	3.44	1	8260B		4/7/2022	CJR	1
Isopropylbenzene	< 0.34	ug/l	0.34	1.38	1	8260B		4/7/2022	CJR	1
p-Isopropyltoluene	< 0.47	ug/l	0.47	1.91	1	8260B		4/7/2022	CJR	1
Methylene chloride	< 0.79	ug/l	0.79	3.23	1	8260B		4/7/2022	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.47	ug/l	0.47	1.91	1	8260B		4/7/2022	CJR	1
Naphthalene	< 1.4	ug/l	1.4	5.56	1	8260B		4/7/2022	CJR	1
n-Propylbenzene	< 0.39	ug/l	0.39	1.6	1	8260B		4/7/2022	CJR	1
1,1,2,2-Tetrachloroethane	< 0.43	ug/l	0.43	1.77	1	8260B		4/7/2022	CJR	1
1,1,1,2-Tetrachloroethane	< 0.55	ug/l	0.55	2.25	1	8260B		4/7/2022	CJR	1
Tetrachloroethene	< 0.47	ug/l	0.47	1.91	1	8260B		4/7/2022	CJR	1
Toluene	< 0.33	ug/l	0.33	1.35	1	8260B		4/7/2022	CJR	1
1,2,4-Trichlorobenzene	< 0.63	ug/l	0.63	2.57	1	8260B		4/7/2022	CJR	1

Project Name CITY OF BERLIN
Project # 19228

Invoice # E40768

Lab Code 5040768K
Sample ID MW-11
Sample Matrix Water
Sample Date 4/4/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2,3-Trichlorobenzene	< 1.4	ug/l	1.4	5.94	1	8260B		4/7/2022	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1.34	1	8260B		4/7/2022	CJR	1
1,1,2-Trichloroethane	< 0.42	ug/l	0.42	1.72	1	8260B		4/7/2022	CJR	1
Trichloroethene (TCE)	< 0.38	ug/l	0.38	1.55	1	8260B		4/7/2022	CJR	1
Trichlorofluoromethane	< 0.33	ug/l	0.33	1.35	1	8260B		4/7/2022	CJR	1
1,2,4-Trimethylbenzene	< 0.35	ug/l	0.35	1.44	1	8260B		4/7/2022	CJR	1
1,3,5-Trimethylbenzene	< 0.41	ug/l	0.41	1.66	1	8260B		4/7/2022	CJR	1
Vinyl Chloride	< 0.15	ug/l	0.15	0.61	1	8260B		4/7/2022	CJR	1
m&p-Xylene	< 0.64	ug/l	0.64	2.63	1	8260B		4/7/2022	CJR	1
o-Xylene	< 0.37	ug/l	0.37	1.51	1	8260B		4/7/2022	CJR	1
SUR - 1,2-Dichloroethane-d4	94	REC %			1	8260B		4/7/2022	CJR	1
SUR - 4-Bromofluorobenzene	91	REC %			1	8260B		4/7/2022	CJR	1
SUR - Dibromofluoromethane	94	REC %			1	8260B		4/7/2022	CJR	1
SUR - Toluene-d8	93	REC %			1	8260B		4/7/2022	CJR	1

Project Name CITY OF BERLIN
Project # 19228

Invoice # E40768

Lab Code 5040768L
Sample ID MW-12
Sample Matrix Water
Sample Date 4/4/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.3	ug/l	0.3	1.25	1	8260B		4/7/2022	CJR	1
Bromobenzene	< 0.34	ug/l	0.34	1.4	1	8260B		4/7/2022	CJR	1
Bromodichloromethane	< 0.36	ug/l	0.36	1.47	1	8260B		4/7/2022	CJR	1
Bromoform	< 0.42	ug/l	0.42	1.72	1	8260B		4/7/2022	CJR	1
tert-Butylbenzene	< 0.37	ug/l	0.37	1.49	1	8260B		4/7/2022	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1.34	1	8260B		4/7/2022	CJR	1
n-Butylbenzene	< 0.71	ug/l	0.71	2.9	1	8260B		4/7/2022	CJR	1
Carbon Tetrachloride	< 0.34	ug/l	0.34	1.39	1	8260B		4/7/2022	CJR	1
Chlorobenzene	< 0.29	ug/l	0.29	1.19	1	8260B		4/7/2022	CJR	1
Chloroethane	< 0.62	ug/l	0.62	2.54	1	8260B		4/7/2022	CJR	1
Chloroform	< 0.33	ug/l	0.33	1.33	1	8260B		4/7/2022	CJR	1
Chloromethane	< 0.74	ug/l	0.74	3.03	1	8260B		4/7/2022	CJR	1
2-Chlorotoluene	< 0.34	ug/l	0.34	1.37	1	8260B		4/7/2022	CJR	1
4-Chlorotoluene	< 0.4	ug/l	0.4	1.63	1	8260B		4/7/2022	CJR	1
1,2-Dibromo-3-chloropropane	< 0.74	ug/l	0.74	3.01	1	8260B		4/7/2022	CJR	1
Dibromochloromethane	< 0.36	ug/l	0.36	1.46	1	8260B		4/7/2022	CJR	1
1,4-Dichlorobenzene	< 0.49	ug/l	0.49	2.01	1	8260B		4/7/2022	CJR	1
1,3-Dichlorobenzene	< 0.35	ug/l	0.35	1.44	1	8260B		4/7/2022	CJR	1
1,2-Dichlorobenzene	< 0.4	ug/l	0.4	1.65	1	8260B		4/7/2022	CJR	1
Dichlorodifluoromethane	< 0.3	ug/l	0.3	1.23	1	8260B		4/7/2022	CJR	1
1,2-Dichloroethane	< 0.43	ug/l	0.43	1.75	1	8260B		4/7/2022	CJR	1
1,1-Dichloroethane	< 0.43	ug/l	0.43	1.74	1	8260B		4/7/2022	CJR	1
1,1-Dichloroethene	< 0.43	ug/l	0.43	1.76	1	8260B		4/7/2022	CJR	1
cis-1,2-Dichloroethene	< 0.32	ug/l	0.32	1.29	1	8260B		4/7/2022	CJR	1
trans-1,2-Dichloroethene	< 0.5	ug/l	0.5	2.02	1	8260B		4/7/2022	CJR	1
1,2-Dichloropropane	< 0.39	ug/l	0.39	1.58	1	8260B		4/7/2022	CJR	1
1,3-Dichloropropane	< 0.38	ug/l	0.38	1.55	1	8260B		4/7/2022	CJR	1
trans-1,3-Dichloropropene	< 0.41	ug/l	0.41	1.67	1	8260B		4/7/2022	CJR	1
cis-1,3-Dichloropropene	< 0.41	ug/l	0.41	1.67	1	8260B		4/7/2022	CJR	1
Di-isopropyl ether	< 0.48	ug/l	0.48	1.96	1	8260B		4/7/2022	CJR	1
EDB (1,2-Dibromoethane)	< 0.39	ug/l	0.39	1.59	1	8260B		4/7/2022	CJR	1
Ethylbenzene	< 0.33	ug/l	0.33	1.37	1	8260B		4/7/2022	CJR	1
Hexachlorobutadiene	< 0.81	ug/l	0.81	3.44	1	8260B		4/7/2022	CJR	1
Isopropylbenzene	< 0.34	ug/l	0.34	1.38	1	8260B		4/7/2022	CJR	1
p-Isopropyltoluene	< 0.47	ug/l	0.47	1.91	1	8260B		4/7/2022	CJR	1
Methylene chloride	< 0.79	ug/l	0.79	3.23	1	8260B		4/7/2022	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.47	ug/l	0.47	1.91	1	8260B		4/7/2022	CJR	1
Naphthalene	< 1.4	ug/l	1.4	5.56	1	8260B		4/7/2022	CJR	1
n-Propylbenzene	< 0.39	ug/l	0.39	1.6	1	8260B		4/7/2022	CJR	1
1,1,2,2-Tetrachloroethane	< 0.43	ug/l	0.43	1.77	1	8260B		4/7/2022	CJR	1
1,1,1,2-Tetrachloroethane	< 0.55	ug/l	0.55	2.25	1	8260B		4/7/2022	CJR	1
Tetrachloroethene	< 0.47	ug/l	0.47	1.91	1	8260B		4/7/2022	CJR	1
Toluene	< 0.33	ug/l	0.33	1.35	1	8260B		4/7/2022	CJR	1
1,2,4-Trichlorobenzene	< 0.63	ug/l	0.63	2.57	1	8260B		4/7/2022	CJR	1

Project Name CITY OF BERLIN
Project # 19228

Invoice # E40768

Lab Code 5040768L
Sample ID MW-12
Sample Matrix Water
Sample Date 4/4/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2,3-Trichlorobenzene	< 1.4	ug/l	1.4	5.94	1	8260B		4/7/2022	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1.34	1	8260B		4/7/2022	CJR	1
1,1,2-Trichloroethane	< 0.42	ug/l	0.42	1.72	1	8260B		4/7/2022	CJR	1
Trichloroethene (TCE)	< 0.38	ug/l	0.38	1.55	1	8260B		4/7/2022	CJR	1
Trichlorofluoromethane	< 0.33	ug/l	0.33	1.35	1	8260B		4/7/2022	CJR	1
1,2,4-Trimethylbenzene	< 0.35	ug/l	0.35	1.44	1	8260B		4/7/2022	CJR	1
1,3,5-Trimethylbenzene	< 0.41	ug/l	0.41	1.66	1	8260B		4/7/2022	CJR	1
Vinyl Chloride	< 0.15	ug/l	0.15	0.61	1	8260B		4/7/2022	CJR	1
m&p-Xylene	< 0.64	ug/l	0.64	2.63	1	8260B		4/7/2022	CJR	1
o-Xylene	< 0.37	ug/l	0.37	1.51	1	8260B		4/7/2022	CJR	1
SUR - Toluene-d8	95	REC %			1	8260B		4/7/2022	CJR	1
SUR - Dibromofluoromethane	96	REC %			1	8260B		4/7/2022	CJR	1
SUR - 1,2-Dichloroethane-d4	92	REC %			1	8260B		4/7/2022	CJR	1
SUR - 4-Bromofluorobenzene	96	REC %			1	8260B		4/7/2022	CJR	1

Project Name CITY OF BERLIN
Project # 19228

Invoice # E40768

Lab Code 5040768M
Sample ID PZ-6
Sample Matrix Water
Sample Date 4/4/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.3	ug/l	0.3	1.25	1	8260B		4/7/2022	CJR	1
Bromobenzene	< 0.34	ug/l	0.34	1.4	1	8260B		4/7/2022	CJR	1
Bromodichloromethane	< 0.36	ug/l	0.36	1.47	1	8260B		4/7/2022	CJR	1
Bromoform	< 0.42	ug/l	0.42	1.72	1	8260B		4/7/2022	CJR	1
tert-Butylbenzene	< 0.37	ug/l	0.37	1.49	1	8260B		4/7/2022	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1.34	1	8260B		4/7/2022	CJR	1
n-Butylbenzene	< 0.71	ug/l	0.71	2.9	1	8260B		4/7/2022	CJR	1
Carbon Tetrachloride	< 0.34	ug/l	0.34	1.39	1	8260B		4/7/2022	CJR	1
Chlorobenzene	< 0.29	ug/l	0.29	1.19	1	8260B		4/7/2022	CJR	1
Chloroethane	< 0.62	ug/l	0.62	2.54	1	8260B		4/7/2022	CJR	1
Chloroform	< 0.33	ug/l	0.33	1.33	1	8260B		4/7/2022	CJR	1
Chloromethane	< 0.74	ug/l	0.74	3.03	1	8260B		4/7/2022	CJR	1
2-Chlorotoluene	< 0.34	ug/l	0.34	1.37	1	8260B		4/7/2022	CJR	1
4-Chlorotoluene	< 0.4	ug/l	0.4	1.63	1	8260B		4/7/2022	CJR	1
1,2-Dibromo-3-chloropropane	< 0.74	ug/l	0.74	3.01	1	8260B		4/7/2022	CJR	1
Dibromochloromethane	< 0.36	ug/l	0.36	1.46	1	8260B		4/7/2022	CJR	1
1,4-Dichlorobenzene	< 0.49	ug/l	0.49	2.01	1	8260B		4/7/2022	CJR	1
1,3-Dichlorobenzene	< 0.35	ug/l	0.35	1.44	1	8260B		4/7/2022	CJR	1
1,2-Dichlorobenzene	< 0.4	ug/l	0.4	1.65	1	8260B		4/7/2022	CJR	1
Dichlorodifluoromethane	< 0.3	ug/l	0.3	1.23	1	8260B		4/7/2022	CJR	1
1,2-Dichloroethane	< 0.43	ug/l	0.43	1.75	1	8260B		4/7/2022	CJR	1
1,1-Dichloroethane	< 0.43	ug/l	0.43	1.74	1	8260B		4/7/2022	CJR	1
1,1-Dichloroethene	< 0.43	ug/l	0.43	1.76	1	8260B		4/7/2022	CJR	1
cis-1,2-Dichloroethene	< 0.32	ug/l	0.32	1.29	1	8260B		4/7/2022	CJR	1
trans-1,2-Dichloroethene	< 0.5	ug/l	0.5	2.02	1	8260B		4/7/2022	CJR	1
1,2-Dichloropropane	< 0.39	ug/l	0.39	1.58	1	8260B		4/7/2022	CJR	1
1,3-Dichloropropane	< 0.38	ug/l	0.38	1.55	1	8260B		4/7/2022	CJR	1
trans-1,3-Dichloropropene	< 0.41	ug/l	0.41	1.67	1	8260B		4/7/2022	CJR	1
cis-1,3-Dichloropropene	< 0.41	ug/l	0.41	1.67	1	8260B		4/7/2022	CJR	1
Di-isopropyl ether	< 0.48	ug/l	0.48	1.96	1	8260B		4/7/2022	CJR	1
EDB (1,2-Dibromoethane)	< 0.39	ug/l	0.39	1.59	1	8260B		4/7/2022	CJR	1
Ethylbenzene	< 0.33	ug/l	0.33	1.37	1	8260B		4/7/2022	CJR	1
Hexachlorobutadiene	< 0.81	ug/l	0.81	3.44	1	8260B		4/7/2022	CJR	1
Isopropylbenzene	< 0.34	ug/l	0.34	1.38	1	8260B		4/7/2022	CJR	1
p-Isopropyltoluene	< 0.47	ug/l	0.47	1.91	1	8260B		4/7/2022	CJR	1
Methylene chloride	< 0.79	ug/l	0.79	3.23	1	8260B		4/7/2022	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.47	ug/l	0.47	1.91	1	8260B		4/7/2022	CJR	1
Naphthalene	< 1.4	ug/l	1.4	5.56	1	8260B		4/7/2022	CJR	1
n-Propylbenzene	< 0.39	ug/l	0.39	1.6	1	8260B		4/7/2022	CJR	1
1,1,2,2-Tetrachloroethane	< 0.43	ug/l	0.43	1.77	1	8260B		4/7/2022	CJR	1
1,1,1,2-Tetrachloroethane	< 0.55	ug/l	0.55	2.25	1	8260B		4/7/2022	CJR	1
Tetrachloroethene	< 0.47	ug/l	0.47	1.91	1	8260B		4/7/2022	CJR	1
Toluene	< 0.33	ug/l	0.33	1.35	1	8260B		4/7/2022	CJR	1
1,2,4-Trichlorobenzene	< 0.63	ug/l	0.63	2.57	1	8260B		4/7/2022	CJR	1

Project Name CITY OF BERLIN
Project # 19228

Invoice # E40768

Lab Code 5040768M
Sample ID PZ-6
Sample Matrix Water
Sample Date 4/4/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2,3-Trichlorobenzene	< 1.4	ug/l	1.4	5.94	1	8260B		4/7/2022	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1.34	1	8260B		4/7/2022	CJR	1
1,1,2-Trichloroethane	< 0.42	ug/l	0.42	1.72	1	8260B		4/7/2022	CJR	1
Trichloroethene (TCE)	< 0.38	ug/l	0.38	1.55	1	8260B		4/7/2022	CJR	1
Trichlorofluoromethane	< 0.33	ug/l	0.33	1.35	1	8260B		4/7/2022	CJR	1
1,2,4-Trimethylbenzene	< 0.35	ug/l	0.35	1.44	1	8260B		4/7/2022	CJR	1
1,3,5-Trimethylbenzene	< 0.41	ug/l	0.41	1.66	1	8260B		4/7/2022	CJR	1
Vinyl Chloride	< 0.15	ug/l	0.15	0.61	1	8260B		4/7/2022	CJR	1
m&p-Xylene	< 0.64	ug/l	0.64	2.63	1	8260B		4/7/2022	CJR	1
o-Xylene	< 0.37	ug/l	0.37	1.51	1	8260B		4/7/2022	CJR	1
SUR - Toluene-d8	97	REC %			1	8260B		4/7/2022	CJR	1
SUR - 1,2-Dichloroethane-d4	93	REC %			1	8260B		4/7/2022	CJR	1
SUR - 4-Bromofluorobenzene	94	REC %			1	8260B		4/7/2022	CJR	1
SUR - Dibromofluoromethane	93	REC %			1	8260B		4/7/2022	CJR	1

Project Name CITY OF BERLIN
Project # 19228
Lab Code 5040768N
Sample ID 120 COMMERCIAL SUMP
Sample Matrix Water
Sample Date 4/4/2022

Invoice # E40768

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.3	ug/l	0.3	1.25	1	8260B		4/8/2022	CJR	1
Bromobenzene	< 0.34	ug/l	0.34	1.4	1	8260B		4/8/2022	CJR	1
Bromodichloromethane	< 0.36	ug/l	0.36	1.47	1	8260B		4/8/2022	CJR	1
Bromoform	< 0.42	ug/l	0.42	1.72	1	8260B		4/8/2022	CJR	1
tert-Butylbenzene	< 0.37	ug/l	0.37	1.49	1	8260B		4/8/2022	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1.34	1	8260B		4/8/2022	CJR	1
n-Butylbenzene	< 0.71	ug/l	0.71	2.9	1	8260B		4/8/2022	CJR	1
Carbon Tetrachloride	< 0.34	ug/l	0.34	1.39	1	8260B		4/8/2022	CJR	1
Chlorobenzene	< 0.29	ug/l	0.29	1.19	1	8260B		4/8/2022	CJR	1
Chloroethane	< 0.62	ug/l	0.62	2.54	1	8260B		4/8/2022	CJR	1
Chloroform	< 0.33	ug/l	0.33	1.33	1	8260B		4/8/2022	CJR	1
Chloromethane	< 0.74	ug/l	0.74	3.03	1	8260B		4/8/2022	CJR	1
2-Chlorotoluene	< 0.34	ug/l	0.34	1.37	1	8260B		4/8/2022	CJR	1
4-Chlorotoluene	< 0.4	ug/l	0.4	1.63	1	8260B		4/8/2022	CJR	1
1,2-Dibromo-3-chloropropane	< 0.74	ug/l	0.74	3.01	1	8260B		4/8/2022	CJR	1
Dibromochloromethane	< 0.36	ug/l	0.36	1.46	1	8260B		4/8/2022	CJR	1
1,4-Dichlorobenzene	< 0.49	ug/l	0.49	2.01	1	8260B		4/8/2022	CJR	1
1,3-Dichlorobenzene	< 0.35	ug/l	0.35	1.44	1	8260B		4/8/2022	CJR	1
1,2-Dichlorobenzene	< 0.4	ug/l	0.4	1.65	1	8260B		4/8/2022	CJR	1
Dichlorodifluoromethane	< 0.3	ug/l	0.3	1.23	1	8260B		4/8/2022	CJR	1
1,2-Dichloroethane	< 0.43	ug/l	0.43	1.75	1	8260B		4/8/2022	CJR	1
1,1-Dichloroethane	< 0.43	ug/l	0.43	1.74	1	8260B		4/8/2022	CJR	1
1,1-Dichloroethene	< 0.43	ug/l	0.43	1.76	1	8260B		4/8/2022	CJR	1
cis-1,2-Dichloroethene	< 0.32	ug/l	0.32	1.29	1	8260B		4/8/2022	CJR	1
trans-1,2-Dichloroethene	< 0.5	ug/l	0.5	2.02	1	8260B		4/8/2022	CJR	1
1,2-Dichloropropane	< 0.39	ug/l	0.39	1.58	1	8260B		4/8/2022	CJR	1
1,3-Dichloropropane	< 0.38	ug/l	0.38	1.55	1	8260B		4/8/2022	CJR	1
trans-1,3-Dichloropropene	< 0.41	ug/l	0.41	1.67	1	8260B		4/8/2022	CJR	1
cis-1,3-Dichloropropene	< 0.41	ug/l	0.41	1.67	1	8260B		4/8/2022	CJR	1
Di-isopropyl ether	< 0.48	ug/l	0.48	1.96	1	8260B		4/8/2022	CJR	1
EDB (1,2-Dibromoethane)	< 0.39	ug/l	0.39	1.59	1	8260B		4/8/2022	CJR	1
Ethylbenzene	< 0.33	ug/l	0.33	1.37	1	8260B		4/8/2022	CJR	1
Hexachlorobutadiene	< 0.81	ug/l	0.81	3.44	1	8260B		4/8/2022	CJR	1
Isopropylbenzene	< 0.34	ug/l	0.34	1.38	1	8260B		4/8/2022	CJR	1
p-Isopropyltoluene	< 0.47	ug/l	0.47	1.91	1	8260B		4/8/2022	CJR	1
Methylene chloride	< 0.79	ug/l	0.79	3.23	1	8260B		4/8/2022	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.47	ug/l	0.47	1.91	1	8260B		4/8/2022	CJR	1
Naphthalene	< 1.4	ug/l	1.4	5.56	1	8260B		4/8/2022	CJR	1
n-Propylbenzene	< 0.39	ug/l	0.39	1.6	1	8260B		4/8/2022	CJR	1
1,1,2,2-Tetrachloroethane	< 0.43	ug/l	0.43	1.77	1	8260B		4/8/2022	CJR	1
1,1,1,2-Tetrachloroethane	< 0.55	ug/l	0.55	2.25	1	8260B		4/8/2022	CJR	1
Tetrachloroethene	< 0.47	ug/l	0.47	1.91	1	8260B		4/8/2022	CJR	1
Toluene	< 0.33	ug/l	0.33	1.35	1	8260B		4/8/2022	CJR	1
1,2,4-Trichlorobenzene	< 0.63	ug/l	0.63	2.57	1	8260B		4/8/2022	CJR	1

Project Name CITY OF BERLIN
Project # 19228

Invoice # E40768

Lab Code 5040768N
Sample ID 120 COMMERCIAL SUMP
Sample Matrix Water
Sample Date 4/4/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2,3-Trichlorobenzene	< 1.4	ug/l	1.4	5.94	1	8260B		4/8/2022	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1.34	1	8260B		4/8/2022	CJR	1
1,1,2-Trichloroethane	< 0.42	ug/l	0.42	1.72	1	8260B		4/8/2022	CJR	1
Trichloroethene (TCE)	< 0.38	ug/l	0.38	1.55	1	8260B		4/8/2022	CJR	1
Trichlorofluoromethane	< 0.33	ug/l	0.33	1.35	1	8260B		4/8/2022	CJR	1
1,2,4-Trimethylbenzene	< 0.35	ug/l	0.35	1.44	1	8260B		4/8/2022	CJR	1
1,3,5-Trimethylbenzene	< 0.41	ug/l	0.41	1.66	1	8260B		4/8/2022	CJR	1
Vinyl Chloride	< 0.15	ug/l	0.15	0.61	1	8260B		4/8/2022	CJR	1
m&p-Xylene	< 0.64	ug/l	0.64	2.63	1	8260B		4/8/2022	CJR	1
o-Xylene	< 0.37	ug/l	0.37	1.51	1	8260B		4/8/2022	CJR	1
SUR - 1,2-Dichloroethane-d4	94	REC %			1	8260B		4/8/2022	CJR	1
SUR - 4-Bromofluorobenzene	92	REC %			1	8260B		4/8/2022	CJR	1
SUR - Dibromofluoromethane	91	REC %			1	8260B		4/8/2022	CJR	1
SUR - Toluene-d8	96	REC %			1	8260B		4/8/2022	CJR	1

Project Name CITY OF BERLIN
Project # 19228

Invoice # E40768

Lab Code 5040768O
Sample ID DUPLICATE
Sample Matrix Water
Sample Date 4/4/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.3	ug/l	0.3	1.25	1	8260B		4/7/2022	CJR	1
Bromobenzene	< 0.34	ug/l	0.34	1.4	1	8260B		4/7/2022	CJR	1
Bromodichloromethane	< 0.36	ug/l	0.36	1.47	1	8260B		4/7/2022	CJR	1
Bromoform	< 0.42	ug/l	0.42	1.72	1	8260B		4/7/2022	CJR	1
tert-Butylbenzene	< 0.37	ug/l	0.37	1.49	1	8260B		4/7/2022	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1.34	1	8260B		4/7/2022	CJR	1
n-Butylbenzene	< 0.71	ug/l	0.71	2.9	1	8260B		4/7/2022	CJR	1
Carbon Tetrachloride	< 0.34	ug/l	0.34	1.39	1	8260B		4/7/2022	CJR	1
Chlorobenzene	< 0.29	ug/l	0.29	1.19	1	8260B		4/7/2022	CJR	1
Chloroethane	< 0.62	ug/l	0.62	2.54	1	8260B		4/7/2022	CJR	1
Chloroform	< 0.33	ug/l	0.33	1.33	1	8260B		4/7/2022	CJR	1
Chloromethane	< 0.74	ug/l	0.74	3.03	1	8260B		4/7/2022	CJR	1
2-Chlorotoluene	< 0.34	ug/l	0.34	1.37	1	8260B		4/7/2022	CJR	1
4-Chlorotoluene	< 0.4	ug/l	0.4	1.63	1	8260B		4/7/2022	CJR	1
1,2-Dibromo-3-chloropropane	< 0.74	ug/l	0.74	3.01	1	8260B		4/7/2022	CJR	1
Dibromochloromethane	< 0.36	ug/l	0.36	1.46	1	8260B		4/7/2022	CJR	1
1,4-Dichlorobenzene	< 0.49	ug/l	0.49	2.01	1	8260B		4/7/2022	CJR	1
1,3-Dichlorobenzene	< 0.35	ug/l	0.35	1.44	1	8260B		4/7/2022	CJR	1
1,2-Dichlorobenzene	< 0.4	ug/l	0.4	1.65	1	8260B		4/7/2022	CJR	1
Dichlorodifluoromethane	< 0.3	ug/l	0.3	1.23	1	8260B		4/7/2022	CJR	1
1,2-Dichloroethane	< 0.43	ug/l	0.43	1.75	1	8260B		4/7/2022	CJR	1
1,1-Dichloroethane	< 0.43	ug/l	0.43	1.74	1	8260B		4/7/2022	CJR	1
1,1-Dichloroethene	< 0.43	ug/l	0.43	1.76	1	8260B		4/7/2022	CJR	1
cis-1,2-Dichloroethene	1.03 "J"	ug/l	0.32	1.29	1	8260B		4/7/2022	CJR	1
trans-1,2-Dichloroethene	< 0.5	ug/l	0.5	2.02	1	8260B		4/7/2022	CJR	1
1,2-Dichloropropane	< 0.39	ug/l	0.39	1.58	1	8260B		4/7/2022	CJR	1
1,3-Dichloropropane	< 0.38	ug/l	0.38	1.55	1	8260B		4/7/2022	CJR	1
trans-1,3-Dichloropropene	< 0.41	ug/l	0.41	1.67	1	8260B		4/7/2022	CJR	1
cis-1,3-Dichloropropene	< 0.41	ug/l	0.41	1.67	1	8260B		4/7/2022	CJR	1
Di-isopropyl ether	< 0.48	ug/l	0.48	1.96	1	8260B		4/7/2022	CJR	1
EDB (1,2-Dibromoethane)	< 0.39	ug/l	0.39	1.59	1	8260B		4/7/2022	CJR	1
Ethylbenzene	< 0.33	ug/l	0.33	1.37	1	8260B		4/7/2022	CJR	1
Hexachlorobutadiene	< 0.81	ug/l	0.81	3.44	1	8260B		4/7/2022	CJR	1
Isopropylbenzene	< 0.34	ug/l	0.34	1.38	1	8260B		4/7/2022	CJR	1
p-Isopropyltoluene	< 0.47	ug/l	0.47	1.91	1	8260B		4/7/2022	CJR	1
Methylene chloride	< 0.79	ug/l	0.79	3.23	1	8260B		4/7/2022	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.47	ug/l	0.47	1.91	1	8260B		4/7/2022	CJR	1
Naphthalene	< 1.4	ug/l	1.4	5.56	1	8260B		4/7/2022	CJR	1
n-Propylbenzene	< 0.39	ug/l	0.39	1.6	1	8260B		4/7/2022	CJR	1
1,1,2,2-Tetrachloroethane	< 0.43	ug/l	0.43	1.77	1	8260B		4/7/2022	CJR	1
1,1,1,2-Tetrachloroethane	< 0.55	ug/l	0.55	2.25	1	8260B		4/7/2022	CJR	1
Tetrachloroethene	7.6	ug/l	0.47	1.91	1	8260B		4/7/2022	CJR	1
Toluene	< 0.33	ug/l	0.33	1.35	1	8260B		4/7/2022	CJR	1
1,2,4-Trichlorobenzene	< 0.63	ug/l	0.63	2.57	1	8260B		4/7/2022	CJR	1

Project Name CITY OF BERLIN
Project # 19228

Invoice # E40768

Lab Code 50407680
Sample ID DUPLICATE
Sample Matrix Water
Sample Date 4/4/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2,3-Trichlorobenzene	< 1.4	ug/l	1.4	5.94	1	8260B		4/7/2022	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1.34	1	8260B		4/7/2022	CJR	1
1,1,2-Trichloroethane	< 0.42	ug/l	0.42	1.72	1	8260B		4/7/2022	CJR	1
Trichloroethene (TCE)	0.44 "J"	ug/l	0.38	1.55	1	8260B		4/7/2022	CJR	1
Trichlorofluoromethane	< 0.33	ug/l	0.33	1.35	1	8260B		4/7/2022	CJR	1
1,2,4-Trimethylbenzene	< 0.35	ug/l	0.35	1.44	1	8260B		4/7/2022	CJR	1
1,3,5-Trimethylbenzene	< 0.41	ug/l	0.41	1.66	1	8260B		4/7/2022	CJR	1
Vinyl Chloride	< 0.15	ug/l	0.15	0.61	1	8260B		4/7/2022	CJR	1
m&p-Xylene	< 0.64	ug/l	0.64	2.63	1	8260B		4/7/2022	CJR	1
o-Xylene	< 0.37	ug/l	0.37	1.51	1	8260B		4/7/2022	CJR	1
SUR - Toluene-d8	96	REC %			1	8260B		4/7/2022	CJR	1
SUR - 1,2-Dichloroethane-d4	100	REC %			1	8260B		4/7/2022	CJR	1
SUR - 4-Bromofluorobenzene	96	REC %			1	8260B		4/7/2022	CJR	1
SUR - Dibromofluoromethane	94	REC %			1	8260B		4/7/2022	CJR	1

Project Name CITY OF BERLIN
Project # 19228

Invoice # E40768

Lab Code 5040768P
Sample ID EQUIP BLK
Sample Matrix Water
Sample Date 4/4/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.3	ug/l	0.3	1.25	1	8260B		4/7/2022	CJR	1
Bromobenzene	< 0.34	ug/l	0.34	1.4	1	8260B		4/7/2022	CJR	1
Bromodichloromethane	< 0.36	ug/l	0.36	1.47	1	8260B		4/7/2022	CJR	1
Bromoform	< 0.42	ug/l	0.42	1.72	1	8260B		4/7/2022	CJR	1
tert-Butylbenzene	< 0.37	ug/l	0.37	1.49	1	8260B		4/7/2022	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1.34	1	8260B		4/7/2022	CJR	1
n-Butylbenzene	< 0.71	ug/l	0.71	2.9	1	8260B		4/7/2022	CJR	1
Carbon Tetrachloride	< 0.34	ug/l	0.34	1.39	1	8260B		4/7/2022	CJR	1
Chlorobenzene	< 0.29	ug/l	0.29	1.19	1	8260B		4/7/2022	CJR	1
Chloroethane	< 0.62	ug/l	0.62	2.54	1	8260B		4/7/2022	CJR	1
Chloroform	< 0.33	ug/l	0.33	1.33	1	8260B		4/7/2022	CJR	1
Chloromethane	< 0.74	ug/l	0.74	3.03	1	8260B		4/7/2022	CJR	1
2-Chlorotoluene	< 0.34	ug/l	0.34	1.37	1	8260B		4/7/2022	CJR	1
4-Chlorotoluene	< 0.4	ug/l	0.4	1.63	1	8260B		4/7/2022	CJR	1
1,2-Dibromo-3-chloropropane	< 0.74	ug/l	0.74	3.01	1	8260B		4/7/2022	CJR	1
Dibromochloromethane	< 0.36	ug/l	0.36	1.46	1	8260B		4/7/2022	CJR	1
1,4-Dichlorobenzene	< 0.49	ug/l	0.49	2.01	1	8260B		4/7/2022	CJR	1
1,3-Dichlorobenzene	< 0.35	ug/l	0.35	1.44	1	8260B		4/7/2022	CJR	1
1,2-Dichlorobenzene	< 0.4	ug/l	0.4	1.65	1	8260B		4/7/2022	CJR	1
Dichlorodifluoromethane	< 0.3	ug/l	0.3	1.23	1	8260B		4/7/2022	CJR	1
1,2-Dichloroethane	< 0.43	ug/l	0.43	1.75	1	8260B		4/7/2022	CJR	1
1,1-Dichloroethane	< 0.43	ug/l	0.43	1.74	1	8260B		4/7/2022	CJR	1
1,1-Dichloroethene	< 0.43	ug/l	0.43	1.76	1	8260B		4/7/2022	CJR	1
cis-1,2-Dichloroethene	< 0.32	ug/l	0.32	1.29	1	8260B		4/7/2022	CJR	1
trans-1,2-Dichloroethene	< 0.5	ug/l	0.5	2.02	1	8260B		4/7/2022	CJR	1
1,2-Dichloropropane	< 0.39	ug/l	0.39	1.58	1	8260B		4/7/2022	CJR	1
1,3-Dichloropropane	< 0.38	ug/l	0.38	1.55	1	8260B		4/7/2022	CJR	1
trans-1,3-Dichloropropene	< 0.41	ug/l	0.41	1.67	1	8260B		4/7/2022	CJR	1
cis-1,3-Dichloropropene	< 0.41	ug/l	0.41	1.67	1	8260B		4/7/2022	CJR	1
Di-isopropyl ether	< 0.48	ug/l	0.48	1.96	1	8260B		4/7/2022	CJR	1
EDB (1,2-Dibromoethane)	< 0.39	ug/l	0.39	1.59	1	8260B		4/7/2022	CJR	1
Ethylbenzene	< 0.33	ug/l	0.33	1.37	1	8260B		4/7/2022	CJR	1
Hexachlorobutadiene	< 0.81	ug/l	0.81	3.44	1	8260B		4/7/2022	CJR	1
Isopropylbenzene	< 0.34	ug/l	0.34	1.38	1	8260B		4/7/2022	CJR	1
p-Isopropyltoluene	< 0.47	ug/l	0.47	1.91	1	8260B		4/7/2022	CJR	1
Methylene chloride	< 0.79	ug/l	0.79	3.23	1	8260B		4/7/2022	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.47	ug/l	0.47	1.91	1	8260B		4/7/2022	CJR	1
Naphthalene	< 1.4	ug/l	1.4	5.56	1	8260B		4/7/2022	CJR	1
n-Propylbenzene	< 0.39	ug/l	0.39	1.6	1	8260B		4/7/2022	CJR	1
1,1,2,2-Tetrachloroethane	< 0.43	ug/l	0.43	1.77	1	8260B		4/7/2022	CJR	1
1,1,1,2-Tetrachloroethane	< 0.55	ug/l	0.55	2.25	1	8260B		4/7/2022	CJR	1
Tetrachloroethene	< 0.47	ug/l	0.47	1.91	1	8260B		4/7/2022	CJR	1
Toluene	< 0.33	ug/l	0.33	1.35	1	8260B		4/7/2022	CJR	1
1,2,4-Trichlorobenzene	< 0.63	ug/l	0.63	2.57	1	8260B		4/7/2022	CJR	1

Project Name CITY OF BERLIN
Project # 19228

Invoice # E40768

Lab Code 5040768P
Sample ID EQUIP BLK
Sample Matrix Water
Sample Date 4/4/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2,3-Trichlorobenzene	< 1.4	ug/l	1.4	5.94	1	8260B		4/7/2022	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1.34	1	8260B		4/7/2022	CJR	1
1,1,2-Trichloroethane	< 0.42	ug/l	0.42	1.72	1	8260B		4/7/2022	CJR	1
Trichloroethene (TCE)	< 0.38	ug/l	0.38	1.55	1	8260B		4/7/2022	CJR	1
Trichlorofluoromethane	< 0.33	ug/l	0.33	1.35	1	8260B		4/7/2022	CJR	1
1,2,4-Trimethylbenzene	< 0.35	ug/l	0.35	1.44	1	8260B		4/7/2022	CJR	1
1,3,5-Trimethylbenzene	< 0.41	ug/l	0.41	1.66	1	8260B		4/7/2022	CJR	1
Vinyl Chloride	< 0.15	ug/l	0.15	0.61	1	8260B		4/7/2022	CJR	1
m&p-Xylene	< 0.64	ug/l	0.64	2.63	1	8260B		4/7/2022	CJR	1
o-Xylene	< 0.37	ug/l	0.37	1.51	1	8260B		4/7/2022	CJR	1
SUR - Toluene-d8	95	REC %			1	8260B		4/7/2022	CJR	1
SUR - Dibromofluoromethane	93	REC %			1	8260B		4/7/2022	CJR	1
SUR - 4-Bromofluorobenzene	94	REC %			1	8260B		4/7/2022	CJR	1
SUR - 1,2-Dichloroethane-d4	93	REC %			1	8260B		4/7/2022	CJR	1

Project Name CITY OF BERLIN
Project # 19228

Invoice # E40768

Lab Code 5040768Q
Sample ID TRIP BLANK
Sample Matrix Water
Sample Date 4/4/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.3	ug/l	0.3	1.25	1	8260B		4/7/2022	CJR	1
Bromobenzene	< 0.34	ug/l	0.34	1.4	1	8260B		4/7/2022	CJR	1
Bromodichloromethane	< 0.36	ug/l	0.36	1.47	1	8260B		4/7/2022	CJR	1
Bromoform	< 0.42	ug/l	0.42	1.72	1	8260B		4/7/2022	CJR	1
tert-Butylbenzene	< 0.37	ug/l	0.37	1.49	1	8260B		4/7/2022	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1.34	1	8260B		4/7/2022	CJR	1
n-Butylbenzene	< 0.71	ug/l	0.71	2.9	1	8260B		4/7/2022	CJR	1
Carbon Tetrachloride	< 0.34	ug/l	0.34	1.39	1	8260B		4/7/2022	CJR	1
Chlorobenzene	< 0.29	ug/l	0.29	1.19	1	8260B		4/7/2022	CJR	1
Chloroethane	< 0.62	ug/l	0.62	2.54	1	8260B		4/7/2022	CJR	1
Chloroform	< 0.33	ug/l	0.33	1.33	1	8260B		4/7/2022	CJR	1
Chloromethane	< 0.74	ug/l	0.74	3.03	1	8260B		4/7/2022	CJR	1
2-Chlorotoluene	< 0.34	ug/l	0.34	1.37	1	8260B		4/7/2022	CJR	1
4-Chlorotoluene	< 0.4	ug/l	0.4	1.63	1	8260B		4/7/2022	CJR	1
1,2-Dibromo-3-chloropropane	< 0.74	ug/l	0.74	3.01	1	8260B		4/7/2022	CJR	1
Dibromochloromethane	< 0.36	ug/l	0.36	1.46	1	8260B		4/7/2022	CJR	1
1,4-Dichlorobenzene	< 0.49	ug/l	0.49	2.01	1	8260B		4/7/2022	CJR	1
1,3-Dichlorobenzene	< 0.35	ug/l	0.35	1.44	1	8260B		4/7/2022	CJR	1
1,2-Dichlorobenzene	< 0.4	ug/l	0.4	1.65	1	8260B		4/7/2022	CJR	1
Dichlorodifluoromethane	< 0.3	ug/l	0.3	1.23	1	8260B		4/7/2022	CJR	1
1,2-Dichloroethane	< 0.43	ug/l	0.43	1.75	1	8260B		4/7/2022	CJR	1
1,1-Dichloroethane	< 0.43	ug/l	0.43	1.74	1	8260B		4/7/2022	CJR	1
1,1-Dichloroethene	< 0.43	ug/l	0.43	1.76	1	8260B		4/7/2022	CJR	1
cis-1,2-Dichloroethene	< 0.32	ug/l	0.32	1.29	1	8260B		4/7/2022	CJR	1
trans-1,2-Dichloroethene	< 0.5	ug/l	0.5	2.02	1	8260B		4/7/2022	CJR	1
1,2-Dichloropropane	< 0.39	ug/l	0.39	1.58	1	8260B		4/7/2022	CJR	1
1,3-Dichloropropane	< 0.38	ug/l	0.38	1.55	1	8260B		4/7/2022	CJR	1
trans-1,3-Dichloropropene	< 0.41	ug/l	0.41	1.67	1	8260B		4/7/2022	CJR	1
cis-1,3-Dichloropropene	< 0.41	ug/l	0.41	1.67	1	8260B		4/7/2022	CJR	1
Di-isopropyl ether	< 0.48	ug/l	0.48	1.96	1	8260B		4/7/2022	CJR	1
EDB (1,2-Dibromoethane)	< 0.39	ug/l	0.39	1.59	1	8260B		4/7/2022	CJR	1
Ethylbenzene	< 0.33	ug/l	0.33	1.37	1	8260B		4/7/2022	CJR	1
Hexachlorobutadiene	< 0.81	ug/l	0.81	3.44	1	8260B		4/7/2022	CJR	1
Isopropylbenzene	< 0.34	ug/l	0.34	1.38	1	8260B		4/7/2022	CJR	1
p-Isopropyltoluene	< 0.47	ug/l	0.47	1.91	1	8260B		4/7/2022	CJR	1
Methylene chloride	< 0.79	ug/l	0.79	3.23	1	8260B		4/7/2022	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.47	ug/l	0.47	1.91	1	8260B		4/7/2022	CJR	1
Naphthalene	< 1.4	ug/l	1.4	5.56	1	8260B		4/7/2022	CJR	1
n-Propylbenzene	< 0.39	ug/l	0.39	1.6	1	8260B		4/7/2022	CJR	1
1,1,2,2-Tetrachloroethane	< 0.43	ug/l	0.43	1.77	1	8260B		4/7/2022	CJR	1
1,1,1,2-Tetrachloroethane	< 0.55	ug/l	0.55	2.25	1	8260B		4/7/2022	CJR	1
Tetrachloroethene	< 0.47	ug/l	0.47	1.91	1	8260B		4/7/2022	CJR	1
Toluene	< 0.33	ug/l	0.33	1.35	1	8260B		4/7/2022	CJR	1
1,2,4-Trichlorobenzene	< 0.63	ug/l	0.63	2.57	1	8260B		4/7/2022	CJR	1

Project Name CITY OF BERLIN
Project # 19228

Invoice # E40768

Lab Code 5040768Q
Sample ID TRIP BLANK
Sample Matrix Water
Sample Date 4/4/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2,3-Trichlorobenzene	< 1.4	ug/l	1.4	5.94	1	8260B		4/7/2022	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1.34	1	8260B		4/7/2022	CJR	1
1,1,2-Trichloroethane	< 0.42	ug/l	0.42	1.72	1	8260B		4/7/2022	CJR	1
Trichloroethene (TCE)	< 0.38	ug/l	0.38	1.55	1	8260B		4/7/2022	CJR	1
Trichlorofluoromethane	< 0.33	ug/l	0.33	1.35	1	8260B		4/7/2022	CJR	1
1,2,4-Trimethylbenzene	< 0.35	ug/l	0.35	1.44	1	8260B		4/7/2022	CJR	1
1,3,5-Trimethylbenzene	< 0.41	ug/l	0.41	1.66	1	8260B		4/7/2022	CJR	1
Vinyl Chloride	< 0.15	ug/l	0.15	0.61	1	8260B		4/7/2022	CJR	1
m&p-Xylene	< 0.64	ug/l	0.64	2.63	1	8260B		4/7/2022	CJR	1
o-Xylene	< 0.37	ug/l	0.37	1.51	1	8260B		4/7/2022	CJR	1
SUR - Toluene-d8	96	REC %			1	8260B		4/7/2022	CJR	1
SUR - 1,2-Dichloroethane-d4	94	REC %			1	8260B		4/7/2022	CJR	1
SUR - 4-Bromofluorobenzene	94	REC %			1	8260B		4/7/2022	CJR	1
SUR - Dibromofluoromethane	94	REC %			1	8260B		4/7/2022	CJR	1

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

Code **Comment**

1 Laboratory QC within limits.

All solid sample results reported on a dry weight basis unless otherwise indicated. All LOD's and LOQ's are adjusted for dilutions but not dry weight. Subcontracted results are denoted by SUB in the analyst field.

Authorized Signature



CHAIN OF CUSTODY RECORD

Synergy

Environmental Lab, Inc.

Chain # 43400

Page 1 of 2

Sample Handling Request

Rush Analysis Date Required:
(Rushes accepted only with prior authorization)
☒ Normal Turn Around

www.synergy-lab.net

1990 Prospect Ct. • Appleton, WI 54914

920-830-2455 • mrsynergy@wi.twcba.com

Lab ID: #
QUOTE #:
Project #: 1922B
Sampler: (signature) *Adam Roden*

Project (Name / Location): City of Berlin

Reports To: Adam Roden
Company: The Sigma Group
Address: 1300 West Canal Street
City/State/Zip: Milwaukee, WI 53233
Phone: 414-643-4134
Email: a.rodene@thesigmagroup.com

Berlin, WI

Analysis Requested

Other Analysis

Lab ID	Sample I.D.	Collection Date	Time	Filtered Y/N	No. of Containers	Sample Type (Matrix)	Preservation	DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 5242)	VOC (EPA 8260)	VOC AIR (TO - 15)	8-FCRA METALS	PID	FD
5010768A	MW-1	4/4/22	10:00	N	3	GW	HCL																	
B	MW-2	4/4/22	10:20	N	3	GW	HCL																	
C	MW-3	4/4/22	12:50	N	3	GW	HCL																	
D	MW-4	4/4/22	12:35	N	3	GW	HCL																	
E	MW-5	4/4/22	13:15	N	3	GW	HCL																	
F	MW-6	4/4/22	10:45	N	3	GW	HCL																	
G	MW-7	4/4/22	9:30	N	3	GW	HCL																	
H	MW-8	4/4/22	9:30	N	3	GW	HCL																	
I	MW-9	4/4/22	11:35	N	3	GW	HCL																	
J	MW-10	4/4/22	12:05	N	3	GW	HCL																	
K	MW-11	4/4/22	11:50	N	3	GW	HCL																	
L	MW-12	4/4/22	12:25	N	3	GW	HCL																	

Comments/Special Instructions ("Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge, etc.)

Sample Integrity - To be completed by receiving lab.

Method of Shipment: CS

Temp. of Temp. Blank: °C On Ice: X

Cooler seal intact upon receipt: X Yes ___ No

Relinquishing By: (signature) *Adam Roden*

Time 7:05 Date 4/5/22

Received By: (sign)

Date

Received in Laboratory By: (signature) *Adam Roden*

Time 8:00

Date: 4/6/22

Environmental Lab, Inc.

www.synergy-lab.net

1990 Prospect Ct. • Appleton, WI 54914

920-830-2455 • mrsynergy@wi.twcbl.com

Sample Handling Request

Rush Analysis Date Required:

(Rushes accepted only with prior authorization)

☒ Normal Turn Around

Lab I.D. #

QUOTE #:

Project #:

Sampler: (signature)

Project (Name / Location):

Reports To:

Company:

Address:

City State Zip:

Phone:

Email:

Collection Date

Time

Filtered Y/N

No. of Containers

Sample Type (Matrix)

Preservation

DRO (Mod DRO Sep 95)

GRO (Mod GRO Sep 95)

LEAD

NITRATE/NITRITE

OIL & GREASE

PAH (EPA 8270)

PCB

PVC (EPA 8021)

PVC + NAPHTHALENE

SULFATE

TOTAL SUSPENDED SOLIDS

VOC DW (EPA 524.2)

VOC (EPA 8260)

VOC AIR (TO - 15)

B-RCHA METALS

PID

FID

Other Analysis

Comments/Special Instructions (*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge, etc.)

Sample Integrity - To be completed by receiving lab.

Method of Shipment: ☒ ☐Temp. of Temp. Blank: °C On Ice: ☒ ☐Cooler seal intact upon receipt: ☒ Yes ☐ No

Relinquished By: (signature)

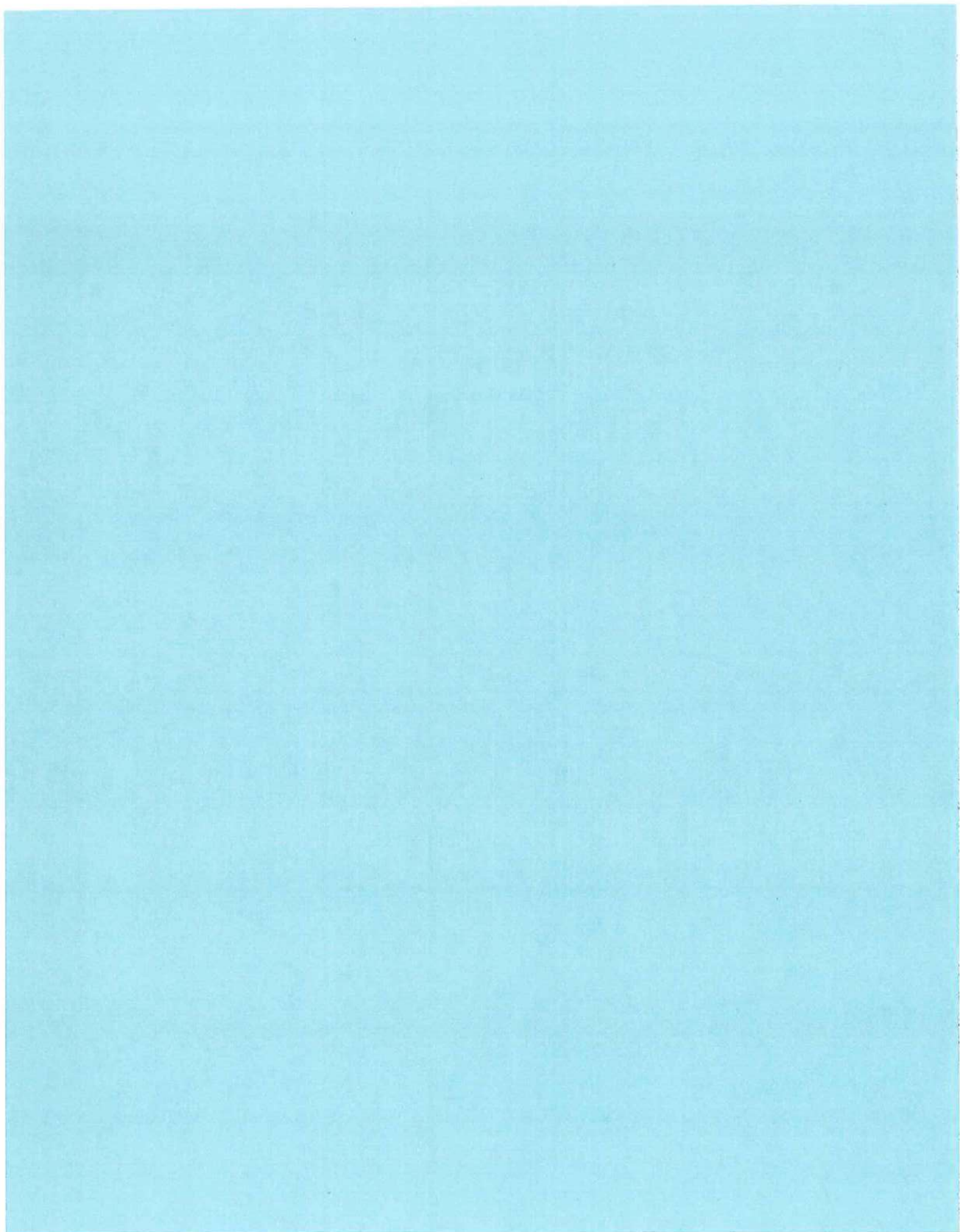
Time Date

Received By: (signature)

Time Date

Received in Laboratory By: (signature)

Time Date



Synergy Environmental Lab, LLC.

1990 Prospect Ct., Appleton, WI 54914 *P 920-830-2455 * F 920-733-0631

ADAM RODER
THE SIGMA GROUP, INC.
1300 W. CANAL STREET
MILWAUKEE, WI 53233

Report Date 22-Sep-22

Project Name CITY OF BERLIN
Project # 19228

Invoice # E41427

Lab Code 5041427A
Sample ID MW-1
Sample Matrix Water
Sample Date 9/12/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.3	ug/l	0.3	1.25	1	8260B		9/15/2022	CJR	1
Bromobenzene	< 0.34	ug/l	0.34	1.4	1	8260B		9/15/2022	CJR	1
Bromodichloromethane	< 0.36	ug/l	0.36	1.47	1	8260B		9/15/2022	CJR	1
Bromoform	< 0.42	ug/l	0.42	1.72	1	8260B		9/15/2022	CJR	1
tert-Butylbenzene	< 0.37	ug/l	0.37	1.49	1	8260B		9/15/2022	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1.34	1	8260B		9/15/2022	CJR	1
n-Butylbenzene	< 0.71	ug/l	0.71	2.9	1	8260B		9/15/2022	CJR	1
Carbon Tetrachloride	< 0.34	ug/l	0.34	1.39	1	8260B		9/15/2022	CJR	1
Chlorobenzene	< 0.29	ug/l	0.29	1.19	1	8260B		9/15/2022	CJR	1
Chloroethane	< 0.62	ug/l	0.62	2.54	1	8260B		9/15/2022	CJR	1
Chloroform	< 0.33	ug/l	0.33	1.33	1	8260B		9/15/2022	CJR	1
Chloromethane	< 0.74	ug/l	0.74	3.03	1	8260B		9/15/2022	CJR	1
2-Chlorotoluene	< 0.34	ug/l	0.34	1.37	1	8260B		9/15/2022	CJR	1
4-Chlorotoluene	< 0.4	ug/l	0.4	1.63	1	8260B		9/15/2022	CJR	1
1,2-Dibromo-3-chloropropane	< 0.74	ug/l	0.74	3.01	1	8260B		9/15/2022	CJR	1
Dibromochloromethane	< 0.36	ug/l	0.36	1.46	1	8260B		9/15/2022	CJR	1
1,4-Dichlorobenzene	< 0.49	ug/l	0.49	2.01	1	8260B		9/15/2022	CJR	1
1,3-Dichlorobenzene	< 0.35	ug/l	0.35	1.44	1	8260B		9/15/2022	CJR	1
1,2-Dichlorobenzene	< 0.4	ug/l	0.4	1.65	1	8260B		9/15/2022	CJR	1
Dichlorodifluoromethane	< 0.3	ug/l	0.3	1.23	1	8260B		9/15/2022	CJR	1
1,2-Dichloroethane	< 0.43	ug/l	0.43	1.75	1	8260B		9/15/2022	CJR	1
1,1-Dichloroethane	< 0.43	ug/l	0.43	1.74	1	8260B		9/15/2022	CJR	1
1,1-Dichloroethene	< 0.43	ug/l	0.43	1.76	1	8260B		9/15/2022	CJR	1
cis-1,2-Dichloroethene	< 0.32	ug/l	0.32	1.29	1	8260B		9/15/2022	CJR	1
trans-1,2-Dichloroethene	< 0.5	ug/l	0.5	2.02	1	8260B		9/15/2022	CJR	1

Project Name CITY OF BERLIN
Project # 19228

Invoice # E41427

Lab Code 5041427A
Sample ID MW-1
Sample Matrix Water
Sample Date 9/12/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2-Dichloropropane	< 0.39	ug/l	0.39	1.58	1	8260B		9/15/2022	CJR	1
1,3-Dichloropropane	< 0.38	ug/l	0.38	1.55	1	8260B		9/15/2022	CJR	1
trans-1,3-Dichloropropene	< 0.41	ug/l	0.41	1.67	1	8260B		9/15/2022	CJR	1
cis-1,3-Dichloropropene	< 0.41	ug/l	0.41	1.67	1	8260B		9/15/2022	CJR	1
Di-isopropyl ether	< 0.48	ug/l	0.48	1.96	1	8260B		9/15/2022	CJR	1
EDB (1,2-Dibromoethane)	< 0.39	ug/l	0.39	1.59	1	8260B		9/15/2022	CJR	1
Ethylbenzene	< 0.33	ug/l	0.33	1.37	1	8260B		9/15/2022	CJR	1
Hexachlorobutadiene	< 0.81	ug/l	0.81	3.44	1	8260B		9/15/2022	CJR	1
Isopropylbenzene	< 0.34	ug/l	0.34	1.38	1	8260B		9/15/2022	CJR	1
p-Isopropyltoluene	< 0.47	ug/l	0.47	1.91	1	8260B		9/15/2022	CJR	1
Methylene chloride	< 0.79	ug/l	0.79	3.23	1	8260B		9/15/2022	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.47	ug/l	0.47	1.91	1	8260B		9/15/2022	CJR	1
Naphthalene	< 1.4	ug/l	1.4	5.56	1	8260B		9/15/2022	CJR	1
n-Propylbenzene	< 0.39	ug/l	0.39	1.6	1	8260B		9/15/2022	CJR	1
1,1,2,2-Tetrachloroethane	< 0.43	ug/l	0.43	1.77	1	8260B		9/15/2022	CJR	1
1,1,1,2-Tetrachloroethane	< 0.55	ug/l	0.55	2.25	1	8260B		9/15/2022	CJR	1
Tetrachloroethene	4.9	ug/l	0.47	1.91	1	8260B		9/15/2022	CJR	1
Toluene	< 0.33	ug/l	0.33	1.35	1	8260B		9/15/2022	CJR	1
1,2,4-Trichlorobenzene	< 0.63	ug/l	0.63	2.57	1	8260B		9/15/2022	CJR	1
1,2,3-Trichlorobenzene	< 1.4	ug/l	1.4	5.94	1	8260B		9/15/2022	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1.34	1	8260B		9/15/2022	CJR	1
1,1,2-Trichloroethane	< 0.42	ug/l	0.42	1.72	1	8260B		9/15/2022	CJR	1
Trichloroethene (TCE)	< 0.38	ug/l	0.38	1.55	1	8260B		9/15/2022	CJR	1
Trichlorofluoromethane	< 0.33	ug/l	0.33	1.35	1	8260B		9/15/2022	CJR	1
1,2,4-Trimethylbenzene	< 0.35	ug/l	0.35	1.44	1	8260B		9/15/2022	CJR	1
1,3,5-Trimethylbenzene	< 0.41	ug/l	0.41	1.66	1	8260B		9/15/2022	CJR	1
Vinyl Chloride	< 0.15	ug/l	0.15	0.61	1	8260B		9/15/2022	CJR	1
m&p-Xylene	< 0.64	ug/l	0.64	2.63	1	8260B		9/15/2022	CJR	1
o-Xylene	< 0.37	ug/l	0.37	1.51	1	8260B		9/15/2022	CJR	1
SUR - Toluene-d8	92	REC %			1	8260B		9/15/2022	CJR	1
SUR - 1,2-Dichloroethane-d4	96	REC %			1	8260B		9/15/2022	CJR	1
SUR - 4-Bromofluorobenzene	95	REC %			1	8260B		9/15/2022	CJR	1
SUR - Dibromofluoromethane	99	REC %			1	8260B		9/15/2022	CJR	1

Project Name CITY OF BERLIN
Project # 19228

Invoice # E41427

Lab Code 5041427B
Sample ID MW-2
Sample Matrix Water
Sample Date 9/12/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.3	ug/l	0.3	1.25	1	8260B		9/15/2022	CJR	1
Bromobenzene	< 0.34	ug/l	0.34	1.4	1	8260B		9/15/2022	CJR	1
Bromodichloromethane	< 0.36	ug/l	0.36	1.47	1	8260B		9/15/2022	CJR	1
Bromoform	< 0.42	ug/l	0.42	1.72	1	8260B		9/15/2022	CJR	1
tert-Butylbenzene	< 0.37	ug/l	0.37	1.49	1	8260B		9/15/2022	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1.34	1	8260B		9/15/2022	CJR	1
n-Butylbenzene	< 0.71	ug/l	0.71	2.9	1	8260B		9/15/2022	CJR	1
Carbon Tetrachloride	< 0.34	ug/l	0.34	1.39	1	8260B		9/15/2022	CJR	1
Chlorobenzene	< 0.29	ug/l	0.29	1.19	1	8260B		9/15/2022	CJR	1
Chloroethane	< 0.62	ug/l	0.62	2.54	1	8260B		9/15/2022	CJR	1
Chloroform	< 0.33	ug/l	0.33	1.33	1	8260B		9/15/2022	CJR	1
Chloromethane	< 0.74	ug/l	0.74	3.03	1	8260B		9/15/2022	CJR	1
2-Chlorotoluene	< 0.34	ug/l	0.34	1.37	1	8260B		9/15/2022	CJR	1
4-Chlorotoluene	< 0.4	ug/l	0.4	1.63	1	8260B		9/15/2022	CJR	1
1,2-Dibromo-3-chloropropane	< 0.74	ug/l	0.74	3.01	1	8260B		9/15/2022	CJR	1
Dibromochloromethane	< 0.36	ug/l	0.36	1.46	1	8260B		9/15/2022	CJR	1
1,4-Dichlorobenzene	< 0.49	ug/l	0.49	2.01	1	8260B		9/15/2022	CJR	1
1,3-Dichlorobenzene	< 0.35	ug/l	0.35	1.44	1	8260B		9/15/2022	CJR	1
1,2-Dichlorobenzene	< 0.4	ug/l	0.4	1.65	1	8260B		9/15/2022	CJR	1
Dichlorodifluoromethane	< 0.3	ug/l	0.3	1.23	1	8260B		9/15/2022	CJR	1
1,2-Dichloroethane	< 0.43	ug/l	0.43	1.75	1	8260B		9/15/2022	CJR	1
1,1-Dichloroethane	< 0.43	ug/l	0.43	1.74	1	8260B		9/15/2022	CJR	1
1,1-Dichloroethene	< 0.43	ug/l	0.43	1.76	1	8260B		9/15/2022	CJR	1
cis-1,2-Dichloroethene	< 0.32	ug/l	0.32	1.29	1	8260B		9/15/2022	CJR	1
trans-1,2-Dichloroethene	< 0.5	ug/l	0.5	2.02	1	8260B		9/15/2022	CJR	1
1,2-Dichloropropane	< 0.39	ug/l	0.39	1.58	1	8260B		9/15/2022	CJR	1
1,3-Dichloropropane	< 0.38	ug/l	0.38	1.55	1	8260B		9/15/2022	CJR	1
trans-1,3-Dichloropropene	< 0.41	ug/l	0.41	1.67	1	8260B		9/15/2022	CJR	1
cis-1,3-Dichloropropene	< 0.41	ug/l	0.41	1.67	1	8260B		9/15/2022	CJR	1
Di-isopropyl ether	< 0.48	ug/l	0.48	1.96	1	8260B		9/15/2022	CJR	1
EDB (1,2-Dibromoethane)	< 0.39	ug/l	0.39	1.59	1	8260B		9/15/2022	CJR	1
Ethylbenzene	< 0.33	ug/l	0.33	1.37	1	8260B		9/15/2022	CJR	1
Hexachlorobutadiene	< 0.81	ug/l	0.81	3.44	1	8260B		9/15/2022	CJR	1
Isopropylbenzene	< 0.34	ug/l	0.34	1.38	1	8260B		9/15/2022	CJR	1
p-Isopropyltoluene	< 0.47	ug/l	0.47	1.91	1	8260B		9/15/2022	CJR	1
Methylene chloride	< 0.79	ug/l	0.79	3.23	1	8260B		9/15/2022	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.47	ug/l	0.47	1.91	1	8260B		9/15/2022	CJR	1
Naphthalene	< 1.4	ug/l	1.4	5.56	1	8260B		9/15/2022	CJR	1
n-Propylbenzene	< 0.39	ug/l	0.39	1.6	1	8260B		9/15/2022	CJR	1
1,1,2,2-Tetrachloroethane	< 0.43	ug/l	0.43	1.77	1	8260B		9/15/2022	CJR	1
1,1,1,2-Tetrachloroethane	< 0.55	ug/l	0.55	2.25	1	8260B		9/15/2022	CJR	1
Tetrachloroethene	1.25 "J"	ug/l	0.47	1.91	1	8260B		9/15/2022	CJR	1
Toluene	< 0.33	ug/l	0.33	1.35	1	8260B		9/15/2022	CJR	1
1,2,4-Trichlorobenzene	< 0.63	ug/l	0.63	2.57	1	8260B		9/15/2022	CJR	1

Project Name CITY OF BERLIN
Project # 19228

Invoice # E41427

Lab Code 5041427B
Sample ID MW-2
Sample Matrix Water
Sample Date 9/12/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2,3-Trichlorobenzene	< 1.4	ug/l	1.4	5.94	1	8260B		9/15/2022	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1.34	1	8260B		9/15/2022	CJR	1
1,1,2-Trichloroethane	< 0.42	ug/l	0.42	1.72	1	8260B		9/15/2022	CJR	1
Trichloroethene (TCE)	< 0.38	ug/l	0.38	1.55	1	8260B		9/15/2022	CJR	1
Trichlorofluoromethane	< 0.33	ug/l	0.33	1.35	1	8260B		9/15/2022	CJR	1
1,2,4-Trimethylbenzene	< 0.35	ug/l	0.35	1.44	1	8260B		9/15/2022	CJR	1
1,3,5-Trimethylbenzene	< 0.41	ug/l	0.41	1.66	1	8260B		9/15/2022	CJR	1
Vinyl Chloride	< 0.15	ug/l	0.15	0.61	1	8260B		9/15/2022	CJR	1
m&p-Xylene	< 0.64	ug/l	0.64	2.63	1	8260B		9/15/2022	CJR	1
o-Xylene	< 0.37	ug/l	0.37	1.51	1	8260B		9/15/2022	CJR	1
SUR - Toluene-d8	91	REC %			1	8260B		9/15/2022	CJR	1
SUR - 1,2-Dichloroethane-d4	101	REC %			1	8260B		9/15/2022	CJR	1
SUR - 4-Bromofluorobenzene	95	REC %			1	8260B		9/15/2022	CJR	1
SUR - Dibromofluoromethane	99	REC %			1	8260B		9/15/2022	CJR	1

Project Name CITY OF BERLIN
Project # 19228

Invoice # E41427

Lab Code 5041427C
Sample ID MW-3
Sample Matrix Water
Sample Date 9/12/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.3	ug/l	0.3	1.25	1	8260B		9/15/2022	CJR	1
Bromobenzene	< 0.34	ug/l	0.34	1.4	1	8260B		9/15/2022	CJR	1
Bromodichloromethane	< 0.36	ug/l	0.36	1.47	1	8260B		9/15/2022	CJR	1
Bromoform	< 0.42	ug/l	0.42	1.72	1	8260B		9/15/2022	CJR	1
tert-Butylbenzene	< 0.37	ug/l	0.37	1.49	1	8260B		9/15/2022	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1.34	1	8260B		9/15/2022	CJR	1
n-Butylbenzene	< 0.71	ug/l	0.71	2.9	1	8260B		9/15/2022	CJR	1
Carbon Tetrachloride	< 0.34	ug/l	0.34	1.39	1	8260B		9/15/2022	CJR	1
Chlorobenzene	< 0.29	ug/l	0.29	1.19	1	8260B		9/15/2022	CJR	1
Chloroethane	< 0.62	ug/l	0.62	2.54	1	8260B		9/15/2022	CJR	1
Chloroform	< 0.33	ug/l	0.33	1.33	1	8260B		9/15/2022	CJR	1
Chloromethane	< 0.74	ug/l	0.74	3.03	1	8260B		9/15/2022	CJR	1
2-Chlorotoluene	< 0.34	ug/l	0.34	1.37	1	8260B		9/15/2022	CJR	1
4-Chlorotoluene	< 0.4	ug/l	0.4	1.63	1	8260B		9/15/2022	CJR	1
1,2-Dibromo-3-chloropropane	< 0.74	ug/l	0.74	3.01	1	8260B		9/15/2022	CJR	1
Dibromochloromethane	< 0.36	ug/l	0.36	1.46	1	8260B		9/15/2022	CJR	1
1,4-Dichlorobenzene	< 0.49	ug/l	0.49	2.01	1	8260B		9/15/2022	CJR	1
1,3-Dichlorobenzene	< 0.35	ug/l	0.35	1.44	1	8260B		9/15/2022	CJR	1
1,2-Dichlorobenzene	< 0.4	ug/l	0.4	1.65	1	8260B		9/15/2022	CJR	1
Dichlorodifluoromethane	< 0.3	ug/l	0.3	1.23	1	8260B		9/15/2022	CJR	1
1,2-Dichloroethane	< 0.43	ug/l	0.43	1.75	1	8260B		9/15/2022	CJR	1
1,1-Dichloroethane	< 0.43	ug/l	0.43	1.74	1	8260B		9/15/2022	CJR	1
1,1-Dichloroethene	< 0.43	ug/l	0.43	1.76	1	8260B		9/15/2022	CJR	1
cis-1,2-Dichloroethene	< 0.32	ug/l	0.32	1.29	1	8260B		9/15/2022	CJR	1
trans-1,2-Dichloroethene	< 0.5	ug/l	0.5	2.02	1	8260B		9/15/2022	CJR	1
1,2-Dichloropropane	< 0.39	ug/l	0.39	1.58	1	8260B		9/15/2022	CJR	1
1,3-Dichloropropane	< 0.38	ug/l	0.38	1.55	1	8260B		9/15/2022	CJR	1
trans-1,3-Dichloropropene	< 0.41	ug/l	0.41	1.67	1	8260B		9/15/2022	CJR	1
cis-1,3-Dichloropropene	< 0.41	ug/l	0.41	1.67	1	8260B		9/15/2022	CJR	1
Di-isopropyl ether	< 0.48	ug/l	0.48	1.96	1	8260B		9/15/2022	CJR	1
EDB (1,2-Dibromoethane)	< 0.39	ug/l	0.39	1.59	1	8260B		9/15/2022	CJR	1
Ethylbenzene	< 0.33	ug/l	0.33	1.37	1	8260B		9/15/2022	CJR	1
Hexachlorobutadiene	< 0.81	ug/l	0.81	3.44	1	8260B		9/15/2022	CJR	1
Isopropylbenzene	< 0.34	ug/l	0.34	1.38	1	8260B		9/15/2022	CJR	1
p-Isopropyltoluene	< 0.47	ug/l	0.47	1.91	1	8260B		9/15/2022	CJR	1
Methylene chloride	< 0.79	ug/l	0.79	3.23	1	8260B		9/15/2022	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.47	ug/l	0.47	1.91	1	8260B		9/15/2022	CJR	1
Naphthalene	< 1.4	ug/l	1.4	5.56	1	8260B		9/15/2022	CJR	1
n-Propylbenzene	< 0.39	ug/l	0.39	1.6	1	8260B		9/15/2022	CJR	1
1,1,2,2-Tetrachloroethane	< 0.43	ug/l	0.43	1.77	1	8260B		9/15/2022	CJR	1
1,1,1,2-Tetrachloroethane	< 0.55	ug/l	0.55	2.25	1	8260B		9/15/2022	CJR	1
Tetrachloroethene	9.9	ug/l	0.47	1.91	1	8260B		9/15/2022	CJR	1
Toluene	< 0.33	ug/l	0.33	1.35	1	8260B		9/15/2022	CJR	1
1,2,4-Trichlorobenzene	< 0.63	ug/l	0.63	2.57	1	8260B		9/15/2022	CJR	1

Project Name CITY OF BERLIN

Invoice # E41427

Project # 19228

Lab Code 5041427C

Sample ID MW-3

Sample Matrix Water

Sample Date 9/12/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2,3-Trichlorobenzene	< 1.4	ug/l	1.4	5.94	1	8260B		9/15/2022	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1.34	1	8260B		9/15/2022	CJR	1
1,1,2-Trichloroethane	< 0.42	ug/l	0.42	1.72	1	8260B		9/15/2022	CJR	1
Trichloroethene (TCE)	< 0.38	ug/l	0.38	1.55	1	8260B		9/15/2022	CJR	1
Trichlorofluoromethane	< 0.33	ug/l	0.33	1.35	1	8260B		9/15/2022	CJR	1
1,2,4-Trimethylbenzene	< 0.35	ug/l	0.35	1.44	1	8260B		9/15/2022	CJR	1
1,3,5-Trimethylbenzene	< 0.41	ug/l	0.41	1.66	1	8260B		9/15/2022	CJR	1
Vinyl Chloride	< 0.15	ug/l	0.15	0.61	1	8260B		9/15/2022	CJR	1
m&p-Xylene	< 0.64	ug/l	0.64	2.63	1	8260B		9/15/2022	CJR	1
o-Xylene	< 0.37	ug/l	0.37	1.51	1	8260B		9/15/2022	CJR	1
SUR - Toluene-d8	93	REC %			1	8260B		9/15/2022	CJR	1
SUR - 1,2-Dichloroethane-d4	100	REC %			1	8260B		9/15/2022	CJR	1
SUR - 4-Bromofluorobenzene	97	REC %			1	8260B		9/15/2022	CJR	1
SUR - Dibromofluoromethane	100	REC %			1	8260B		9/15/2022	CJR	1

Project Name CITY OF BERLIN
Project # 19228

Invoice # E41427

Lab Code 5041427D
Sample ID MW-4
Sample Matrix Water
Sample Date 9/12/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	6.3	ug/l	0.3	1.25	1	8260B		9/16/2022	CJR	1
Bromobenzene	< 0.34	ug/l	0.34	1.4	1	8260B		9/16/2022	CJR	1
Bromodichloromethane	< 0.36	ug/l	0.36	1.47	1	8260B		9/16/2022	CJR	1
Bromoform	< 0.42	ug/l	0.42	1.72	1	8260B		9/16/2022	CJR	1
tert-Butylbenzene	< 0.37	ug/l	0.37	1.49	1	8260B		9/16/2022	CJR	1
sec-Butylbenzene	9.8	ug/l	0.33	1.34	1	8260B		9/16/2022	CJR	1
n-Butylbenzene	26.2	ug/l	0.71	2.9	1	8260B		9/16/2022	CJR	1
Carbon Tetrachloride	< 0.34	ug/l	0.34	1.39	1	8260B		9/16/2022	CJR	1
Chlorobenzene	< 0.29	ug/l	0.29	1.19	1	8260B		9/16/2022	CJR	1
Chloroethane	< 0.62	ug/l	0.62	2.54	1	8260B		9/16/2022	CJR	1
Chloroform	< 0.33	ug/l	0.33	1.33	1	8260B		9/16/2022	CJR	1
Chloromethane	< 0.74	ug/l	0.74	3.03	1	8260B		9/16/2022	CJR	1
2-Chlorotoluene	< 0.34	ug/l	0.34	1.37	1	8260B		9/16/2022	CJR	1
4-Chlorotoluene	< 0.4	ug/l	0.4	1.63	1	8260B		9/16/2022	CJR	1
1,2-Dibromo-3-chloropropane	< 0.74	ug/l	0.74	3.01	1	8260B		9/16/2022	CJR	1
Dibromochloromethane	< 0.36	ug/l	0.36	1.46	1	8260B		9/16/2022	CJR	1
1,4-Dichlorobenzene	< 0.49	ug/l	0.49	2.01	1	8260B		9/16/2022	CJR	1
1,3-Dichlorobenzene	< 0.35	ug/l	0.35	1.44	1	8260B		9/16/2022	CJR	1
1,2-Dichlorobenzene	< 0.4	ug/l	0.4	1.65	1	8260B		9/16/2022	CJR	1
Dichlorodifluoromethane	< 0.3	ug/l	0.3	1.23	1	8260B		9/16/2022	CJR	1
1,2-Dichloroethane	< 0.43	ug/l	0.43	1.75	1	8260B		9/16/2022	CJR	1
1,1-Dichloroethane	< 0.43	ug/l	0.43	1.74	1	8260B		9/16/2022	CJR	1
1,1-Dichloroethene	< 0.43	ug/l	0.43	1.76	1	8260B		9/16/2022	CJR	1
cis-1,2-Dichloroethene	0.40 "J"	ug/l	0.32	1.29	1	8260B		9/16/2022	CJR	1
trans-1,2-Dichloroethene	< 0.5	ug/l	0.5	2.02	1	8260B		9/16/2022	CJR	1
1,2-Dichloropropane	< 0.39	ug/l	0.39	1.58	1	8260B		9/16/2022	CJR	1
1,3-Dichloropropane	< 0.38	ug/l	0.38	1.55	1	8260B		9/16/2022	CJR	1
trans-1,3-Dichloropropene	< 0.41	ug/l	0.41	1.67	1	8260B		9/16/2022	CJR	1
cis-1,3-Dichloropropene	< 0.41	ug/l	0.41	1.67	1	8260B		9/16/2022	CJR	1
Di-isopropyl ether	< 0.48	ug/l	0.48	1.96	1	8260B		9/16/2022	CJR	1
EDB (1,2-Dibromoethane)	< 0.39	ug/l	0.39	1.59	1	8260B		9/16/2022	CJR	1
Ethylbenzene	207	ug/l	0.33	1.37	1	8260B		9/16/2022	CJR	1
Hexachlorobutadiene	< 0.81	ug/l	0.81	3.44	1	8260B		9/16/2022	CJR	1
Isopropylbenzene	53	ug/l	0.34	1.38	1	8260B		9/16/2022	CJR	1
p-Isopropyltoluene	9.5	ug/l	0.47	1.91	1	8260B		9/16/2022	CJR	1
Methylene chloride	< 0.79	ug/l	0.79	3.23	1	8260B		9/16/2022	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.47	ug/l	0.47	1.91	1	8260B		9/16/2022	CJR	1
Naphthalene	129	ug/l	1.4	5.56	1	8260B		9/16/2022	CJR	1
n-Propylbenzene	91	ug/l	0.39	1.6	1	8260B		9/16/2022	CJR	1
1,1,2,2-Tetrachloroethane	< 0.43	ug/l	0.43	1.77	1	8260B		9/16/2022	CJR	1
1,1,1,2-Tetrachloroethane	< 0.55	ug/l	0.55	2.25	1	8260B		9/16/2022	CJR	1
Tetrachloroethene	< 0.47	ug/l	0.47	1.91	1	8260B		9/16/2022	CJR	1
Toluene	10.1	ug/l	0.33	1.35	1	8260B		9/16/2022	CJR	1
1,2,4-Trichlorobenzene	< 0.63	ug/l	0.63	2.57	1	8260B		9/16/2022	CJR	1

Project Name CITY OF BERLIN
Project # 19228

Invoice # E41427

Lab Code 5041427D
Sample ID MW-4
Sample Matrix Water
Sample Date 9/12/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2,3-Trichlorobenzene	< 1.4	ug/l	1.4	5.94	1	8260B		9/16/2022	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1.34	1	8260B		9/16/2022	CJR	1
1,1,2-Trichloroethane	< 0.42	ug/l	0.42	1.72	1	8260B		9/16/2022	CJR	1
Trichloroethene (TCE)	< 0.38	ug/l	0.38	1.55	1	8260B		9/16/2022	CJR	1
Trichlorofluoromethane	< 0.33	ug/l	0.33	1.35	1	8260B		9/16/2022	CJR	1
1,2,4-Trimethylbenzene	440	ug/l	3.5	14.4	10	8260B		9/21/2022	CJR	2
1,3,5-Trimethylbenzene	110	ug/l	0.41	1.66	1	8260B		9/16/2022	CJR	1
Vinyl Chloride	< 0.15	ug/l	0.15	0.61	1	8260B		9/16/2022	CJR	1
m&p-Xylene	780	ug/l	6.4	26.3	10	8260B		9/21/2022	CJR	2
o-Xylene	22.6	ug/l	0.37	1.51	1	8260B		9/16/2022	CJR	1
SUR - Toluene-d8	99	REC %			1	8260B		9/16/2022	CJR	1
SUR - 1,2-Dichloroethane-d4	106	REC %			1	8260B		9/16/2022	CJR	1
SUR - 4-Bromofluorobenzene	107	REC %			1	8260B		9/16/2022	CJR	1
SUR - Dibromofluoromethane	96	REC %			1	8260B		9/16/2022	CJR	1

Project Name CITY OF BERLIN
Project # 19228

Invoice # E41427

Lab Code 5041427E
Sample ID MW-5
Sample Matrix Water
Sample Date 9/12/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.3	ug/l	0.3	1.25	1	8260B		9/15/2022	CJR	1
Bromobenzene	< 0.34	ug/l	0.34	1.4	1	8260B		9/15/2022	CJR	1
Bromodichloromethane	< 0.36	ug/l	0.36	1.47	1	8260B		9/15/2022	CJR	1
Bromoform	< 0.42	ug/l	0.42	1.72	1	8260B		9/15/2022	CJR	1
tert-Butylbenzene	< 0.37	ug/l	0.37	1.49	1	8260B		9/15/2022	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1.34	1	8260B		9/15/2022	CJR	1
n-Butylbenzene	< 0.71	ug/l	0.71	2.9	1	8260B		9/15/2022	CJR	1
Carbon Tetrachloride	< 0.34	ug/l	0.34	1.39	1	8260B		9/15/2022	CJR	1
Chlorobenzene	< 0.29	ug/l	0.29	1.19	1	8260B		9/15/2022	CJR	1
Chloroethane	< 0.62	ug/l	0.62	2.54	1	8260B		9/15/2022	CJR	1
Chloroform	< 0.33	ug/l	0.33	1.33	1	8260B		9/15/2022	CJR	1
Chloromethane	< 0.74	ug/l	0.74	3.03	1	8260B		9/15/2022	CJR	1
2-Chlorotoluene	< 0.34	ug/l	0.34	1.37	1	8260B		9/15/2022	CJR	1
4-Chlorotoluene	< 0.4	ug/l	0.4	1.63	1	8260B		9/15/2022	CJR	1
1,2-Dibromo-3-chloropropane	< 0.74	ug/l	0.74	3.01	1	8260B		9/15/2022	CJR	1
Dibromochloromethane	< 0.36	ug/l	0.36	1.46	1	8260B		9/15/2022	CJR	1
1,4-Dichlorobenzene	< 0.49	ug/l	0.49	2.01	1	8260B		9/15/2022	CJR	1
1,3-Dichlorobenzene	< 0.35	ug/l	0.35	1.44	1	8260B		9/15/2022	CJR	1
1,2-Dichlorobenzene	< 0.4	ug/l	0.4	1.65	1	8260B		9/15/2022	CJR	1
Dichlorodifluoromethane	< 0.3	ug/l	0.3	1.23	1	8260B		9/15/2022	CJR	1
1,2-Dichloroethane	< 0.43	ug/l	0.43	1.75	1	8260B		9/15/2022	CJR	1
1,1-Dichloroethane	< 0.43	ug/l	0.43	1.74	1	8260B		9/15/2022	CJR	1
1,1-Dichloroethene	< 0.43	ug/l	0.43	1.76	1	8260B		9/15/2022	CJR	1
cis-1,2-Dichloroethene	3.5	ug/l	0.32	1.29	1	8260B		9/15/2022	CJR	1
trans-1,2-Dichloroethene	< 0.5	ug/l	0.5	2.02	1	8260B		9/15/2022	CJR	1
1,2-Dichloropropane	< 0.39	ug/l	0.39	1.58	1	8260B		9/15/2022	CJR	1
1,3-Dichloropropane	< 0.38	ug/l	0.38	1.55	1	8260B		9/15/2022	CJR	1
trans-1,3-Dichloropropene	< 0.41	ug/l	0.41	1.67	1	8260B		9/15/2022	CJR	1
cis-1,3-Dichloropropene	< 0.41	ug/l	0.41	1.67	1	8260B		9/15/2022	CJR	1
Di-isopropyl ether	< 0.48	ug/l	0.48	1.96	1	8260B		9/15/2022	CJR	1
EDB (1,2-Dibromoethane)	< 0.39	ug/l	0.39	1.59	1	8260B		9/15/2022	CJR	1
Ethylbenzene	< 0.33	ug/l	0.33	1.37	1	8260B		9/15/2022	CJR	1
Hexachlorobutadiene	< 0.81	ug/l	0.81	3.44	1	8260B		9/15/2022	CJR	1
Isopropylbenzene	< 0.34	ug/l	0.34	1.38	1	8260B		9/15/2022	CJR	1
p-Isopropyltoluene	< 0.47	ug/l	0.47	1.91	1	8260B		9/15/2022	CJR	1
Methylene chloride	< 0.79	ug/l	0.79	3.23	1	8260B		9/15/2022	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.47	ug/l	0.47	1.91	1	8260B		9/15/2022	CJR	1
Naphthalene	< 1.4	ug/l	1.4	5.56	1	8260B		9/15/2022	CJR	1
n-Propylbenzene	< 0.39	ug/l	0.39	1.6	1	8260B		9/15/2022	CJR	1
1,1,2,2-Tetrachloroethane	< 0.43	ug/l	0.43	1.77	1	8260B		9/15/2022	CJR	1
1,1,1,2-Tetrachloroethane	< 0.55	ug/l	0.55	2.25	1	8260B		9/15/2022	CJR	1
Tetrachloroethene	2.6	ug/l	0.47	1.91	1	8260B		9/15/2022	CJR	1
Toluene	< 0.33	ug/l	0.33	1.35	1	8260B		9/15/2022	CJR	1
1,2,4-Trichlorobenzene	< 0.63	ug/l	0.63	2.57	1	8260B		9/15/2022	CJR	1

Project Name CITY OF BERLIN
Project # 19228

Invoice # E41427

Lab Code 5041427E
Sample ID MW-5
Sample Matrix Water
Sample Date 9/12/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2,3-Trichlorobenzene	< 1.4	ug/l	1.4	5.94	1	8260B		9/15/2022	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1.34	1	8260B		9/15/2022	CJR	1
1,1,2-Trichloroethane	< 0.42	ug/l	0.42	1.72	1	8260B		9/15/2022	CJR	1
Trichloroethene (TCB)	< 0.38	ug/l	0.38	1.55	1	8260B		9/15/2022	CJR	1
Trichlorofluoromethane	< 0.33	ug/l	0.33	1.35	1	8260B		9/15/2022	CJR	1
1,2,4-Trimethylbenzene	< 0.35	ug/l	0.35	1.44	1	8260B		9/15/2022	CJR	1
1,3,5-Trimethylbenzene	< 0.41	ug/l	0.41	1.66	1	8260B		9/15/2022	CJR	1
Vinyl Chloride	< 0.15	ug/l	0.15	0.61	1	8260B		9/15/2022	CJR	1
m&p-Xylene	< 0.64	ug/l	0.64	2.63	1	8260B		9/15/2022	CJR	1
o-Xylene	< 0.37	ug/l	0.37	1.51	1	8260B		9/15/2022	CJR	1
SUR - Toluene-d8	92	REC %			1	8260B		9/15/2022	CJR	1
SUR - 1,2-Dichloroethane-d4	104	REC %			1	8260B		9/15/2022	CJR	1
SUR - 4-Bromofluorobenzene	98	REC %			1	8260B		9/15/2022	CJR	1
SUR - Dibromofluoromethane	103	REC %			1	8260B		9/15/2022	CJR	1

Project Name CITY OF BERLIN
Project # 19228

Invoice # E41427

Lab Code 5041427F
Sample ID MW-6
Sample Matrix Water
Sample Date 9/12/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.3	ug/l	0.3	1.25	1	8260B		9/15/2022	CJR	1
Bromobenzene	< 0.34	ug/l	0.34	1.4	1	8260B		9/15/2022	CJR	1
Bromodichloromethane	< 0.36	ug/l	0.36	1.47	1	8260B		9/15/2022	CJR	1
Bromoform	< 0.42	ug/l	0.42	1.72	1	8260B		9/15/2022	CJR	1
tert-Butylbenzene	< 0.37	ug/l	0.37	1.49	1	8260B		9/15/2022	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1.34	1	8260B		9/15/2022	CJR	1
n-Butylbenzene	< 0.71	ug/l	0.71	2.9	1	8260B		9/15/2022	CJR	1
Carbon Tetrachloride	< 0.34	ug/l	0.34	1.39	1	8260B		9/15/2022	CJR	1
Chlorobenzene	< 0.29	ug/l	0.29	1.19	1	8260B		9/15/2022	CJR	1
Chloroethane	< 0.62	ug/l	0.62	2.54	1	8260B		9/15/2022	CJR	1
Chloroform	< 0.33	ug/l	0.33	1.33	1	8260B		9/15/2022	CJR	1
Chloromethane	< 0.74	ug/l	0.74	3.03	1	8260B		9/15/2022	CJR	1
2-Chlorotoluene	< 0.34	ug/l	0.34	1.37	1	8260B		9/15/2022	CJR	1
4-Chlorotoluene	< 0.4	ug/l	0.4	1.63	1	8260B		9/15/2022	CJR	1
1,2-Dibromo-3-chloropropane	< 0.74	ug/l	0.74	3.01	1	8260B		9/15/2022	CJR	1
Dibromochloromethane	< 0.36	ug/l	0.36	1.46	1	8260B		9/15/2022	CJR	1
1,4-Dichlorobenzene	< 0.49	ug/l	0.49	2.01	1	8260B		9/15/2022	CJR	1
1,3-Dichlorobenzene	< 0.35	ug/l	0.35	1.44	1	8260B		9/15/2022	CJR	1
1,2-Dichlorobenzene	< 0.4	ug/l	0.4	1.65	1	8260B		9/15/2022	CJR	1
Dichlorodifluoromethane	< 0.3	ug/l	0.3	1.23	1	8260B		9/15/2022	CJR	1
1,2-Dichloroethane	< 0.43	ug/l	0.43	1.75	1	8260B		9/15/2022	CJR	1
1,1-Dichloroethane	< 0.43	ug/l	0.43	1.74	1	8260B		9/15/2022	CJR	1
1,1-Dichloroethene	< 0.43	ug/l	0.43	1.76	1	8260B		9/15/2022	CJR	1
cis-1,2-Dichloroethene	38	ug/l	0.32	1.29	1	8260B		9/15/2022	CJR	1
trans-1,2-Dichloroethene	1.53 "J"	ug/l	0.5	2.02	1	8260B		9/15/2022	CJR	1
1,2-Dichloropropane	< 0.39	ug/l	0.39	1.58	1	8260B		9/15/2022	CJR	1
1,3-Dichloropropane	< 0.38	ug/l	0.38	1.55	1	8260B		9/15/2022	CJR	1
trans-1,3-Dichloropropene	< 0.41	ug/l	0.41	1.67	1	8260B		9/15/2022	CJR	1
cis-1,3-Dichloropropene	< 0.41	ug/l	0.41	1.67	1	8260B		9/15/2022	CJR	1
Di-isopropyl ether	< 0.48	ug/l	0.48	1.96	1	8260B		9/15/2022	CJR	1
EDB (1,2-Dibromoethane)	< 0.39	ug/l	0.39	1.59	1	8260B		9/15/2022	CJR	1
Ethylbenzene	< 0.33	ug/l	0.33	1.37	1	8260B		9/15/2022	CJR	1
Hexachlorobutadiene	< 0.81	ug/l	0.81	3.44	1	8260B		9/15/2022	CJR	1
Isopropylbenzene	< 0.34	ug/l	0.34	1.38	1	8260B		9/15/2022	CJR	1
p-Isopropyltoluene	< 0.47	ug/l	0.47	1.91	1	8260B		9/15/2022	CJR	1
Methylene chloride	< 0.79	ug/l	0.79	3.23	1	8260B		9/15/2022	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.47	ug/l	0.47	1.91	1	8260B		9/15/2022	CJR	1
Naphthalene	< 1.4	ug/l	1.4	5.56	1	8260B		9/15/2022	CJR	1
n-Propylbenzene	< 0.39	ug/l	0.39	1.6	1	8260B		9/15/2022	CJR	1
1,1,2,2-Tetrachloroethane	< 0.43	ug/l	0.43	1.77	1	8260B		9/15/2022	CJR	1
1,1,1,2-Tetrachloroethane	< 0.55	ug/l	0.55	2.25	1	8260B		9/15/2022	CJR	1
Tetrachloroethene	16.4	ug/l	0.47	1.91	1	8260B		9/15/2022	CJR	1
Toluene	< 0.33	ug/l	0.33	1.35	1	8260B		9/15/2022	CJR	1
1,2,4-Trichlorobenzene	< 0.63	ug/l	0.63	2.57	1	8260B		9/15/2022	CJR	1

Project Name CITY OF BERLIN
Project # 19228

Invoice # E41427

Lab Code 5041427F
Sample ID MW-6
Sample Matrix Water
Sample Date 9/12/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2,3-Trichlorobenzene	< 1.4	ug/l	1.4	5.94	1	8260B		9/15/2022	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1.34	1	8260B		9/15/2022	CJR	1
1,1,2-Trichloroethane	< 0.42	ug/l	0.42	1.72	1	8260B		9/15/2022	CJR	1
Trichloroethene (TCE)	14.8	ug/l	0.38	1.55	1	8260B		9/15/2022	CJR	1
Trichlorofluoromethane	< 0.33	ug/l	0.33	1.35	1	8260B		9/15/2022	CJR	1
1,2,4-Trimethylbenzene	< 0.35	ug/l	0.35	1.44	1	8260B		9/15/2022	CJR	1
1,3,5-Trimethylbenzene	< 0.41	ug/l	0.41	1.66	1	8260B		9/15/2022	CJR	1
Vinyl Chloride	1.17	ug/l	0.15	0.61	1	8260B		9/15/2022	CJR	1
m&p-Xylene	< 0.64	ug/l	0.64	2.63	1	8260B		9/15/2022	CJR	1
o-Xylene	< 0.37	ug/l	0.37	1.51	1	8260B		9/15/2022	CJR	1
SUR - Toluene-d8	94	REC %			1	8260B		9/15/2022	CJR	1
SUR - 1,2-Dichloroethane-d4	99	REC %			1	8260B		9/15/2022	CJR	1
SUR - 4-Bromofluorobenzene	98	REC %			1	8260B		9/15/2022	CJR	1
SUR - Dibromofluoromethane	98	REC %			1	8260B		9/15/2022	CJR	1

Project Name CITY OF BERLIN
Project # 19228

Invoice # E41427

Lab Code 5041427G
Sample ID MW-7
Sample Matrix Water
Sample Date 9/12/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.3	ug/l	0.3	1.25	1	8260B		9/15/2022	CJR	1
Bromobenzene	< 0.34	ug/l	0.34	1.4	1	8260B		9/15/2022	CJR	1
Bromodichloromethane	< 0.36	ug/l	0.36	1.47	1	8260B		9/15/2022	CJR	1
Bromoform	< 0.42	ug/l	0.42	1.72	1	8260B		9/15/2022	CJR	1
tert-Butylbenzene	< 0.37	ug/l	0.37	1.49	1	8260B		9/15/2022	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1.34	1	8260B		9/15/2022	CJR	1
n-Butylbenzene	< 0.71	ug/l	0.71	2.9	1	8260B		9/15/2022	CJR	1
Carbon Tetrachloride	< 0.34	ug/l	0.34	1.39	1	8260B		9/15/2022	CJR	1
Chlorobenzene	< 0.29	ug/l	0.29	1.19	1	8260B		9/15/2022	CJR	1
Chloroethane	< 0.62	ug/l	0.62	2.54	1	8260B		9/15/2022	CJR	1
Chloroform	< 0.33	ug/l	0.33	1.33	1	8260B		9/15/2022	CJR	1
Chloromethane	< 0.74	ug/l	0.74	3.03	1	8260B		9/15/2022	CJR	1
2-Chlorotoluene	< 0.34	ug/l	0.34	1.37	1	8260B		9/15/2022	CJR	1
4-Chlorotoluene	< 0.4	ug/l	0.4	1.63	1	8260B		9/15/2022	CJR	1
1,2-Dibromo-3-chloropropane	< 0.74	ug/l	0.74	3.01	1	8260B		9/15/2022	CJR	1
Dibromochloromethane	< 0.36	ug/l	0.36	1.46	1	8260B		9/15/2022	CJR	1
1,4-Dichlorobenzene	< 0.49	ug/l	0.49	2.01	1	8260B		9/15/2022	CJR	1
1,3-Dichlorobenzene	< 0.35	ug/l	0.35	1.44	1	8260B		9/15/2022	CJR	1
1,2-Dichlorobenzene	< 0.4	ug/l	0.4	1.65	1	8260B		9/15/2022	CJR	1
Dichlorodifluoromethane	< 0.3	ug/l	0.3	1.23	1	8260B		9/15/2022	CJR	1
1,2-Dichloroethane	< 0.43	ug/l	0.43	1.75	1	8260B		9/15/2022	CJR	1
1,1-Dichloroethane	< 0.43	ug/l	0.43	1.74	1	8260B		9/15/2022	CJR	1
1,1-Dichloroethene	< 0.43	ug/l	0.43	1.76	1	8260B		9/15/2022	CJR	1
cis-1,2-Dichloroethene	< 0.32	ug/l	0.32	1.29	1	8260B		9/15/2022	CJR	1
trans-1,2-Dichloroethene	< 0.5	ug/l	0.5	2.02	1	8260B		9/15/2022	CJR	1
1,2-Dichloropropane	< 0.39	ug/l	0.39	1.58	1	8260B		9/15/2022	CJR	1
1,3-Dichloropropane	< 0.38	ug/l	0.38	1.55	1	8260B		9/15/2022	CJR	1
trans-1,3-Dichloropropene	< 0.41	ug/l	0.41	1.67	1	8260B		9/15/2022	CJR	1
cis-1,3-Dichloropropene	< 0.41	ug/l	0.41	1.67	1	8260B		9/15/2022	CJR	1
Di-isopropyl ether	< 0.48	ug/l	0.48	1.96	1	8260B		9/15/2022	CJR	1
EDB (1,2-Dibromoethane)	< 0.39	ug/l	0.39	1.59	1	8260B		9/15/2022	CJR	1
Ethylbenzene	< 0.33	ug/l	0.33	1.37	1	8260B		9/15/2022	CJR	1
Hexachlorobutadiene	< 0.81	ug/l	0.81	3.44	1	8260B		9/15/2022	CJR	1
Isopropylbenzene	< 0.34	ug/l	0.34	1.38	1	8260B		9/15/2022	CJR	1
p-Isopropyltoluene	< 0.47	ug/l	0.47	1.91	1	8260B		9/15/2022	CJR	1
Methylene chloride	< 0.79	ug/l	0.79	3.23	1	8260B		9/15/2022	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.47	ug/l	0.47	1.91	1	8260B		9/15/2022	CJR	1
Naphthalene	< 1.4	ug/l	1.4	5.56	1	8260B		9/15/2022	CJR	1
n-Propylbenzene	< 0.39	ug/l	0.39	1.6	1	8260B		9/15/2022	CJR	1
1,1,2,2-Tetrachloroethane	< 0.43	ug/l	0.43	1.77	1	8260B		9/15/2022	CJR	1
1,1,1,2-Tetrachloroethane	< 0.55	ug/l	0.55	2.25	1	8260B		9/15/2022	CJR	1
Tetrachloroethene	< 0.47	ug/l	0.47	1.91	1	8260B		9/15/2022	CJR	1
Toluene	< 0.33	ug/l	0.33	1.35	1	8260B		9/15/2022	CJR	1
1,2,4-Trichlorobenzene	< 0.63	ug/l	0.63	2.57	1	8260B		9/15/2022	CJR	1

Project Name CITY OF BERLIN
Project # 19228

Invoice # E41427

Lab Code 5041427G
Sample ID MW-7
Sample Matrix Water
Sample Date 9/12/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2,3-Trichlorobenzene	< 1.4	ug/l	1.4	5.94	1	8260B		9/15/2022	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1.34	1	8260B		9/15/2022	CJR	1
1,1,2-Trichloroethane	< 0.42	ug/l	0.42	1.72	1	8260B		9/15/2022	CJR	1
Trichloroethene (TCE)	< 0.38	ug/l	0.38	1.55	1	8260B		9/15/2022	CJR	1
Trichlorofluoromethane	< 0.33	ug/l	0.33	1.35	1	8260B		9/15/2022	CJR	1
1,2,4-Trimethylbenzene	< 0.35	ug/l	0.35	1.44	1	8260B		9/15/2022	CJR	1
1,3,5-Trimethylbenzene	< 0.41	ug/l	0.41	1.66	1	8260B		9/15/2022	CJR	1
Vinyl Chloride	< 0.15	ug/l	0.15	0.61	1	8260B		9/15/2022	CJR	1
m&p-Xylene	< 0.64	ug/l	0.64	2.63	1	8260B		9/15/2022	CJR	1
o-Xylene	< 0.37	ug/l	0.37	1.51	1	8260B		9/15/2022	CJR	1
SUR - Toluene-d8	92	REC %			1	8260B		9/15/2022	CJR	1
SUR - 1,2-Dichloroethane-d4	102	REC %			1	8260B		9/15/2022	CJR	1
SUR - 4-Bromofluorobenzene	100	REC %			1	8260B		9/15/2022	CJR	1
SUR - Dibromofluoromethane	102	REC %			1	8260B		9/15/2022	CJR	1

Project Name CITY OF BERLIN
Project # 19228

Invoice # E41427

Lab Code 5041427H
Sample ID MW-8
Sample Matrix Water
Sample Date 9/12/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.3	ug/l	0.3	1.25	1	8260B		9/15/2022	CJR	1
Bromobenzene	< 0.34	ug/l	0.34	1.4	1	8260B		9/15/2022	CJR	1
Bromodichloromethane	< 0.36	ug/l	0.36	1.47	1	8260B		9/15/2022	CJR	1
Bromoform	< 0.42	ug/l	0.42	1.72	1	8260B		9/15/2022	CJR	1
tert-Butylbenzene	< 0.37	ug/l	0.37	1.49	1	8260B		9/15/2022	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1.34	1	8260B		9/15/2022	CJR	1
n-Butylbenzene	< 0.71	ug/l	0.71	2.9	1	8260B		9/15/2022	CJR	1
Carbon Tetrachloride	< 0.34	ug/l	0.34	1.39	1	8260B		9/15/2022	CJR	1
Chlorobenzene	< 0.29	ug/l	0.29	1.19	1	8260B		9/15/2022	CJR	1
Chloroethane	< 0.62	ug/l	0.62	2.54	1	8260B		9/15/2022	CJR	1
Chloroform	< 0.33	ug/l	0.33	1.33	1	8260B		9/15/2022	CJR	1
Chloromethane	< 0.74	ug/l	0.74	3.03	1	8260B		9/15/2022	CJR	1
2-Chlorotoluene	< 0.34	ug/l	0.34	1.37	1	8260B		9/15/2022	CJR	1
4-Chlorotoluene	< 0.4	ug/l	0.4	1.63	1	8260B		9/15/2022	CJR	1
1,2-Dibromo-3-chloropropane	< 0.74	ug/l	0.74	3.01	1	8260B		9/15/2022	CJR	1
Dibromochloromethane	< 0.36	ug/l	0.36	1.46	1	8260B		9/15/2022	CJR	1
1,4-Dichlorobenzene	< 0.49	ug/l	0.49	2.01	1	8260B		9/15/2022	CJR	1
1,3-Dichlorobenzene	< 0.35	ug/l	0.35	1.44	1	8260B		9/15/2022	CJR	1
1,2-Dichlorobenzene	< 0.4	ug/l	0.4	1.65	1	8260B		9/15/2022	CJR	1
Dichlorodifluoromethane	< 0.3	ug/l	0.3	1.23	1	8260B		9/15/2022	CJR	1
1,2-Dichloroethane	< 0.43	ug/l	0.43	1.75	1	8260B		9/15/2022	CJR	1
1,1-Dichloroethane	< 0.43	ug/l	0.43	1.74	1	8260B		9/15/2022	CJR	1
1,1-Dichloroethene	< 0.43	ug/l	0.43	1.76	1	8260B		9/15/2022	CJR	1
cis-1,2-Dichloroethene	< 0.32	ug/l	0.32	1.29	1	8260B		9/15/2022	CJR	1
trans-1,2-Dichloroethene	< 0.5	ug/l	0.5	2.02	1	8260B		9/15/2022	CJR	1
1,2-Dichloropropane	< 0.39	ug/l	0.39	1.58	1	8260B		9/15/2022	CJR	1
1,3-Dichloropropane	< 0.38	ug/l	0.38	1.55	1	8260B		9/15/2022	CJR	1
trans-1,3-Dichloropropene	< 0.41	ug/l	0.41	1.67	1	8260B		9/15/2022	CJR	1
cis-1,3-Dichloropropene	< 0.41	ug/l	0.41	1.67	1	8260B		9/15/2022	CJR	1
Di-isopropyl ether	< 0.48	ug/l	0.48	1.96	1	8260B		9/15/2022	CJR	1
EDB (1,2-Dibromoethane)	< 0.39	ug/l	0.39	1.59	1	8260B		9/15/2022	CJR	1
Ethylbenzene	< 0.33	ug/l	0.33	1.37	1	8260B		9/15/2022	CJR	1
Hexachlorobutadiene	< 0.81	ug/l	0.81	3.44	1	8260B		9/15/2022	CJR	1
Isopropylbenzene	< 0.34	ug/l	0.34	1.38	1	8260B		9/15/2022	CJR	1
p-Isopropyltoluene	< 0.47	ug/l	0.47	1.91	1	8260B		9/15/2022	CJR	1
Methylene chloride	< 0.79	ug/l	0.79	3.23	1	8260B		9/15/2022	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.47	ug/l	0.47	1.91	1	8260B		9/15/2022	CJR	1
Naphthalene	< 1.4	ug/l	1.4	5.56	1	8260B		9/15/2022	CJR	1
n-Propylbenzene	< 0.39	ug/l	0.39	1.6	1	8260B		9/15/2022	CJR	1
1,1,2,2-Tetrachloroethane	< 0.43	ug/l	0.43	1.77	1	8260B		9/15/2022	CJR	1
1,1,1,2-Tetrachloroethane	< 0.55	ug/l	0.55	2.25	1	8260B		9/15/2022	CJR	1
Tetrachloroethene	< 0.47	ug/l	0.47	1.91	1	8260B		9/15/2022	CJR	1
Toluene	< 0.33	ug/l	0.33	1.35	1	8260B		9/15/2022	CJR	1
1,2,4-Trichlorobenzene	< 0.63	ug/l	0.63	2.57	1	8260B		9/15/2022	CJR	1

Project Name CITY OF BERLIN
Project # 19228

Invoice # E41427

Lab Code 5041427H

Sample ID MW-8

Sample Matrix Water

Sample Date 9/12/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2,3-Trichlorobenzene	< 1.4	ug/l	1.4	5.94	1	8260B		9/15/2022	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1.34	1	8260B		9/15/2022	CJR	1
1,1,2-Trichloroethane	< 0.42	ug/l	0.42	1.72	1	8260B		9/15/2022	CJR	1
Trichloroethene (TCE)	< 0.38	ug/l	0.38	1.55	1	8260B		9/15/2022	CJR	1
Trichlorofluoromethane	< 0.33	ug/l	0.33	1.35	1	8260B		9/15/2022	CJR	1
1,2,4-Trimethylbenzene	< 0.35	ug/l	0.35	1.44	1	8260B		9/15/2022	CJR	1
1,3,5-Trimethylbenzene	< 0.41	ug/l	0.41	1.66	1	8260B		9/15/2022	CJR	1
Vinyl Chloride	< 0.15	ug/l	0.15	0.61	1	8260B		9/15/2022	CJR	1
m&p-Xylene	< 0.64	ug/l	0.64	2.63	1	8260B		9/15/2022	CJR	1
o-Xylene	< 0.37	ug/l	0.37	1.51	1	8260B		9/15/2022	CJR	1
SUR - Dibromofluoromethane	99	REC %			1	8260B		9/15/2022	CJR	1
SUR - 1,2-Dichloroethane-d4	95	REC %			1	8260B		9/15/2022	CJR	1
SUR - 4-Bromofluorobenzene	97	REC %			1	8260B		9/15/2022	CJR	1
SUR - Toluene-d8	92	REC %			1	8260B		9/15/2022	CJR	1

Project Name CITY OF BERLIN
Project # 19228

Invoice # E41427

Lab Code 5041427I
Sample ID MW-9
Sample Matrix Water
Sample Date 9/12/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.3	ug/l	0.3	1.25	1	8260B		9/15/2022	CJR	1
Bromobenzene	< 0.34	ug/l	0.34	1.4	1	8260B		9/15/2022	CJR	1
Bromodichloromethane	< 0.36	ug/l	0.36	1.47	1	8260B		9/15/2022	CJR	1
Bromoform	< 0.42	ug/l	0.42	1.72	1	8260B		9/15/2022	CJR	1
tert-Butylbenzene	< 0.37	ug/l	0.37	1.49	1	8260B		9/15/2022	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1.34	1	8260B		9/15/2022	CJR	1
n-Butylbenzene	< 0.71	ug/l	0.71	2.9	1	8260B		9/15/2022	CJR	1
Carbon Tetrachloride	< 0.34	ug/l	0.34	1.39	1	8260B		9/15/2022	CJR	1
Chlorobenzene	< 0.29	ug/l	0.29	1.19	1	8260B		9/15/2022	CJR	1
Chloroethane	< 0.62	ug/l	0.62	2.54	1	8260B		9/15/2022	CJR	1
Chloroform	< 0.33	ug/l	0.33	1.33	1	8260B		9/15/2022	CJR	1
Chloromethane	< 0.74	ug/l	0.74	3.03	1	8260B		9/15/2022	CJR	1
2-Chlorotoluene	< 0.34	ug/l	0.34	1.37	1	8260B		9/15/2022	CJR	1
4-Chlorotoluene	< 0.4	ug/l	0.4	1.63	1	8260B		9/15/2022	CJR	1
1,2-Dibromo-3-chloropropane	< 0.74	ug/l	0.74	3.01	1	8260B		9/15/2022	CJR	1
Dibromochloromethane	< 0.36	ug/l	0.36	1.46	1	8260B		9/15/2022	CJR	1
1,4-Dichlorobenzene	< 0.49	ug/l	0.49	2.01	1	8260B		9/15/2022	CJR	1
1,3-Dichlorobenzene	< 0.35	ug/l	0.35	1.44	1	8260B		9/15/2022	CJR	1
1,2-Dichlorobenzene	< 0.4	ug/l	0.4	1.65	1	8260B		9/15/2022	CJR	1
Dichlorodifluoromethane	< 0.3	ug/l	0.3	1.23	1	8260B		9/15/2022	CJR	1
1,2-Dichloroethane	< 0.43	ug/l	0.43	1.75	1	8260B		9/15/2022	CJR	1
1,1-Dichloroethane	< 0.43	ug/l	0.43	1.74	1	8260B		9/15/2022	CJR	1
1,1-Dichloroethene	< 0.43	ug/l	0.43	1.76	1	8260B		9/15/2022	CJR	1
cis-1,2-Dichloroethene	< 0.32	ug/l	0.32	1.29	1	8260B		9/15/2022	CJR	1
trans-1,2-Dichloroethene	< 0.5	ug/l	0.5	2.02	1	8260B		9/15/2022	CJR	1
1,2-Dichloropropane	< 0.39	ug/l	0.39	1.58	1	8260B		9/15/2022	CJR	1
1,3-Dichloropropane	< 0.38	ug/l	0.38	1.55	1	8260B		9/15/2022	CJR	1
trans-1,3-Dichloropropene	< 0.41	ug/l	0.41	1.67	1	8260B		9/15/2022	CJR	1
cis-1,3-Dichloropropene	< 0.41	ug/l	0.41	1.67	1	8260B		9/15/2022	CJR	1
Di-isopropyl ether	< 0.48	ug/l	0.48	1.96	1	8260B		9/15/2022	CJR	1
EDB (1,2-Dibromoethane)	< 0.39	ug/l	0.39	1.59	1	8260B		9/15/2022	CJR	1
Ethylbenzene	< 0.33	ug/l	0.33	1.37	1	8260B		9/15/2022	CJR	1
Hexachlorobutadiene	< 0.81	ug/l	0.81	3.44	1	8260B		9/15/2022	CJR	1
Isopropylbenzene	< 0.34	ug/l	0.34	1.38	1	8260B		9/15/2022	CJR	1
p-Isopropyltoluene	< 0.47	ug/l	0.47	1.91	1	8260B		9/15/2022	CJR	1
Methylene chloride	< 0.79	ug/l	0.79	3.23	1	8260B		9/15/2022	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.47	ug/l	0.47	1.91	1	8260B		9/15/2022	CJR	1
Naphthalene	< 1.4	ug/l	1.4	5.56	1	8260B		9/15/2022	CJR	1
n-Propylbenzene	< 0.39	ug/l	0.39	1.6	1	8260B		9/15/2022	CJR	1
1,1,2,2-Tetrachloroethane	< 0.43	ug/l	0.43	1.77	1	8260B		9/15/2022	CJR	1
1,1,1,2-Tetrachloroethane	< 0.55	ug/l	0.55	2.25	1	8260B		9/15/2022	CJR	1
Tetrachloroethene	< 0.47	ug/l	0.47	1.91	1	8260B		9/15/2022	CJR	1
Toluene	< 0.33	ug/l	0.33	1.35	1	8260B		9/15/2022	CJR	1
1,2,4-Trichlorobenzene	< 0.63	ug/l	0.63	2.57	1	8260B		9/15/2022	CJR	1

Project Name CITY OF BERLIN
Project # 19228

Invoice # E41427

Lab Code 50414271
Sample ID MW-9
Sample Matrix Water
Sample Date 9/12/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2,3-Trichlorobenzene	< 1.4	ug/l	1.4	5.94	1	8260B		9/15/2022	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1.34	1	8260B		9/15/2022	CJR	1
1,1,2-Trichloroethane	< 0.42	ug/l	0.42	1.72	1	8260B		9/15/2022	CJR	1
Trichloroethene (TCE)	< 0.38	ug/l	0.38	1.55	1	8260B		9/15/2022	CJR	1
Trichlorofluoromethane	< 0.33	ug/l	0.33	1.35	1	8260B		9/15/2022	CJR	1
1,2,4-Trimethylbenzene	< 0.35	ug/l	0.35	1.44	1	8260B		9/15/2022	CJR	1
1,3,5-Trimethylbenzene	< 0.41	ug/l	0.41	1.66	1	8260B		9/15/2022	CJR	1
Vinyl Chloride	< 0.15	ug/l	0.15	0.61	1	8260B		9/15/2022	CJR	1
m&p-Xylene	< 0.64	ug/l	0.64	2.63	1	8260B		9/15/2022	CJR	1
o-Xylene	< 0.37	ug/l	0.37	1.51	1	8260B		9/15/2022	CJR	1
SUR - Toluene-d8	94	REC %			1	8260B		9/15/2022	CJR	1
SUR - 1,2-Dichloroethane-d4	106	REC %			1	8260B		9/15/2022	CJR	1
SUR - 4-Bromofluorobenzene	96	REC %			1	8260B		9/15/2022	CJR	1
SUR - Dibromofluoromethane	102	REC %			1	8260B		9/15/2022	CJR	1

Project Name CITY OF BERLIN
Project # 19228

Invoice # E41427

Lab Code 5041427J
Sample ID MW-10
Sample Matrix Water
Sample Date 9/12/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic VOC's										
Benzene	< 0.3	ug/l	0.3	1.25	1	8260B		9/15/2022	CJR	1
Bromobenzene	< 0.34	ug/l	0.34	1.4	1	8260B		9/15/2022	CJR	1
Bromodichloromethane	< 0.36	ug/l	0.36	1.47	1	8260B		9/15/2022	CJR	1
Bromoform	< 0.42	ug/l	0.42	1.72	1	8260B		9/15/2022	CJR	1
tert-Butylbenzene	< 0.37	ug/l	0.37	1.49	1	8260B		9/15/2022	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1.34	1	8260B		9/15/2022	CJR	1
n-Butylbenzene	< 0.71	ug/l	0.71	2.9	1	8260B		9/15/2022	CJR	1
Carbon Tetrachloride	< 0.34	ug/l	0.34	1.39	1	8260B		9/15/2022	CJR	1
Chlorobenzene	< 0.29	ug/l	0.29	1.19	1	8260B		9/15/2022	CJR	1
Chloroethane	< 0.62	ug/l	0.62	2.54	1	8260B		9/15/2022	CJR	1
Chloroform	< 0.33	ug/l	0.33	1.33	1	8260B		9/15/2022	CJR	1
Chloromethane	< 0.74	ug/l	0.74	3.03	1	8260B		9/15/2022	CJR	1
2-Chlorotoluene	< 0.34	ug/l	0.34	1.37	1	8260B		9/15/2022	CJR	1
4-Chlorotoluene	< 0.4	ug/l	0.4	1.63	1	8260B		9/15/2022	CJR	1
1,2-Dibromo-3-chloropropane	< 0.74	ug/l	0.74	3.01	1	8260B		9/15/2022	CJR	1
Dibromochloromethane	< 0.36	ug/l	0.36	1.46	1	8260B		9/15/2022	CJR	1
1,4-Dichlorobenzene	< 0.49	ug/l	0.49	2.01	1	8260B		9/15/2022	CJR	1
1,3-Dichlorobenzene	< 0.35	ug/l	0.35	1.44	1	8260B		9/15/2022	CJR	1
1,2-Dichlorobenzene	< 0.4	ug/l	0.4	1.65	1	8260B		9/15/2022	CJR	1
Dichlorodifluoromethane	< 0.3	ug/l	0.3	1.23	1	8260B		9/15/2022	CJR	1
1,2-Dichloroethane	< 0.43	ug/l	0.43	1.75	1	8260B		9/15/2022	CJR	1
1,1-Dichloroethane	< 0.43	ug/l	0.43	1.74	1	8260B		9/15/2022	CJR	1
1,1-Dichloroethene	< 0.43	ug/l	0.43	1.76	1	8260B		9/15/2022	CJR	1
cis-1,2-Dichloroethene	< 0.32	ug/l	0.32	1.29	1	8260B		9/15/2022	CJR	1
trans-1,2-Dichloroethene	< 0.5	ug/l	0.5	2.02	1	8260B		9/15/2022	CJR	1
1,2-Dichloropropane	< 0.39	ug/l	0.39	1.58	1	8260B		9/15/2022	CJR	1
1,3-Dichloropropane	< 0.38	ug/l	0.38	1.55	1	8260B		9/15/2022	CJR	1
trans-1,3-Dichloropropene	< 0.41	ug/l	0.41	1.67	1	8260B		9/15/2022	CJR	1
cis-1,3-Dichloropropene	< 0.41	ug/l	0.41	1.67	1	8260B		9/15/2022	CJR	1
Di-isopropyl ether	< 0.48	ug/l	0.48	1.96	1	8260B		9/15/2022	CJR	1
EDB (1,2-Dibromoethane)	< 0.39	ug/l	0.39	1.59	1	8260B		9/15/2022	CJR	1
Ethylbenzene	< 0.33	ug/l	0.33	1.37	1	8260B		9/15/2022	CJR	1
Hexachlorobutadiene	< 0.81	ug/l	0.81	3.44	1	8260B		9/15/2022	CJR	1
Isopropylbenzene	< 0.34	ug/l	0.34	1.38	1	8260B		9/15/2022	CJR	1
p-Isopropyltoluene	< 0.47	ug/l	0.47	1.91	1	8260B		9/15/2022	CJR	1
Methylene chloride	< 0.79	ug/l	0.79	3.23	1	8260B		9/15/2022	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.47	ug/l	0.47	1.91	1	8260B		9/15/2022	CJR	1
Naphthalene	< 1.4	ug/l	1.4	5.56	1	8260B		9/15/2022	CJR	1
n-Propylbenzene	< 0.39	ug/l	0.39	1.6	1	8260B		9/15/2022	CJR	1
1,1,2,2-Tetrachloroethane	< 0.43	ug/l	0.43	1.77	1	8260B		9/15/2022	CJR	1
1,1,1,2-Tetrachloroethane	< 0.55	ug/l	0.55	2.25	1	8260B		9/15/2022	CJR	1
Tetrachloroethene	< 0.47	ug/l	0.47	1.91	1	8260B		9/15/2022	CJR	1
Toluene	< 0.33	ug/l	0.33	1.35	1	8260B		9/15/2022	CJR	1
1,2,4-Trichlorobenzene	< 0.63	ug/l	0.63	2.57	1	8260B		9/15/2022	CJR	1

Project Name CITY OF BERLIN
Project # 19228

Invoice # E41427

Lab Code 5041427J
Sample ID MW-10
Sample Matrix Water
Sample Date 9/12/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2,3-Trichlorobenzene	< 1.4	ug/l	1.4	5.94	1	8260B		9/15/2022	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1.34	1	8260B		9/15/2022	CJR	1
1,1,2-Trichloroethane	< 0.42	ug/l	0.42	1.72	1	8260B		9/15/2022	CJR	1
Trichloroethene (TCE)	< 0.38	ug/l	0.38	1.55	1	8260B		9/15/2022	CJR	1
Trichlorofluoromethane	< 0.33	ug/l	0.33	1.35	1	8260B		9/15/2022	CJR	1
1,2,4-Trimethylbenzene	< 0.35	ug/l	0.35	1.44	1	8260B		9/15/2022	CJR	1
1,3,5-Trimethylbenzene	< 0.41	ug/l	0.41	1.66	1	8260B		9/15/2022	CJR	1
Vinyl Chloride	< 0.15	ug/l	0.15	0.61	1	8260B		9/15/2022	CJR	1
m&p-Xylene	< 0.64	ug/l	0.64	2.63	1	8260B		9/15/2022	CJR	1
o-Xylene	< 0.37	ug/l	0.37	1.51	1	8260B		9/15/2022	CJR	1
SUR - Toluene-d8	95	REC %			1	8260B		9/15/2022	CJR	1
SUR - 1,2-Dichloroethane-d4	101	REC %			1	8260B		9/15/2022	CJR	1
SUR - 4-Bromofluorobenzene	96	REC %			1	8260B		9/15/2022	CJR	1
SUR - Dibromofluoromethane	98	REC %			1	8260B		9/15/2022	CJR	1

Project Name CITY OF BERLIN
Project # 19228

Invoice # E41427

Lab Code 5041427K
Sample ID MW-11
Sample Matrix Water
Sample Date 9/12/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.3	ug/l	0.3	1.25	1	8260B		9/15/2022	CJR	1
Bromobenzene	< 0.34	ug/l	0.34	1.4	1	8260B		9/15/2022	CJR	1
Bromodichloromethane	< 0.36	ug/l	0.36	1.47	1	8260B		9/15/2022	CJR	1
Bromoform	< 0.42	ug/l	0.42	1.72	1	8260B		9/15/2022	CJR	1
tert-Butylbenzene	< 0.37	ug/l	0.37	1.49	1	8260B		9/15/2022	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1.34	1	8260B		9/15/2022	CJR	1
n-Butylbenzene	< 0.71	ug/l	0.71	2.9	1	8260B		9/15/2022	CJR	1
Carbon Tetrachloride	< 0.34	ug/l	0.34	1.39	1	8260B		9/15/2022	CJR	1
Chlorobenzene	< 0.29	ug/l	0.29	1.19	1	8260B		9/15/2022	CJR	1
Chloroethane	< 0.62	ug/l	0.62	2.54	1	8260B		9/15/2022	CJR	1
Chloroform	< 0.33	ug/l	0.33	1.33	1	8260B		9/15/2022	CJR	1
Chloromethane	< 0.74	ug/l	0.74	3.03	1	8260B		9/15/2022	CJR	1
2-Chlorotoluene	< 0.34	ug/l	0.34	1.37	1	8260B		9/15/2022	CJR	1
4-Chlorotoluene	< 0.4	ug/l	0.4	1.63	1	8260B		9/15/2022	CJR	1
1,2-Dibromo-3-chloropropane	< 0.74	ug/l	0.74	3.01	1	8260B		9/15/2022	CJR	1
Dibromochloromethane	< 0.36	ug/l	0.36	1.46	1	8260B		9/15/2022	CJR	1
1,4-Dichlorobenzene	< 0.49	ug/l	0.49	2.01	1	8260B		9/15/2022	CJR	1
1,3-Dichlorobenzene	< 0.35	ug/l	0.35	1.44	1	8260B		9/15/2022	CJR	1
1,2-Dichlorobenzene	< 0.4	ug/l	0.4	1.65	1	8260B		9/15/2022	CJR	1
Dichlorodifluoromethane	< 0.3	ug/l	0.3	1.23	1	8260B		9/15/2022	CJR	1
1,2-Dichloroethane	< 0.43	ug/l	0.43	1.75	1	8260B		9/15/2022	CJR	1
1,1-Dichloroethane	< 0.43	ug/l	0.43	1.74	1	8260B		9/15/2022	CJR	1
1,1-Dichloroethene	< 0.43	ug/l	0.43	1.76	1	8260B		9/15/2022	CJR	1
cis-1,2-Dichloroethene	< 0.32	ug/l	0.32	1.29	1	8260B		9/15/2022	CJR	1
trans-1,2-Dichloroethene	< 0.5	ug/l	0.5	2.02	1	8260B		9/15/2022	CJR	1
1,2-Dichloropropane	< 0.39	ug/l	0.39	1.58	1	8260B		9/15/2022	CJR	1
1,3-Dichloropropane	< 0.38	ug/l	0.38	1.55	1	8260B		9/15/2022	CJR	1
trans-1,3-Dichloropropene	< 0.41	ug/l	0.41	1.67	1	8260B		9/15/2022	CJR	1
cis-1,3-Dichloropropene	< 0.41	ug/l	0.41	1.67	1	8260B		9/15/2022	CJR	1
Di-isopropyl ether	< 0.48	ug/l	0.48	1.96	1	8260B		9/15/2022	CJR	1
EDB (1,2-Dibromoethane)	< 0.39	ug/l	0.39	1.59	1	8260B		9/15/2022	CJR	1
Ethylbenzene	< 0.33	ug/l	0.33	1.37	1	8260B		9/15/2022	CJR	1
Hexachlorobutadiene	< 0.81	ug/l	0.81	3.44	1	8260B		9/15/2022	CJR	1
Isopropylbenzene	< 0.34	ug/l	0.34	1.38	1	8260B		9/15/2022	CJR	1
p-Isopropyltoluene	< 0.47	ug/l	0.47	1.91	1	8260B		9/15/2022	CJR	1
Methylene chloride	< 0.79	ug/l	0.79	3.23	1	8260B		9/15/2022	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.47	ug/l	0.47	1.91	1	8260B		9/15/2022	CJR	1
Naphthalene	< 1.4	ug/l	1.4	5.56	1	8260B		9/15/2022	CJR	1
n-Propylbenzene	< 0.39	ug/l	0.39	1.6	1	8260B		9/15/2022	CJR	1
1,1,2,2-Tetrachloroethane	< 0.43	ug/l	0.43	1.77	1	8260B		9/15/2022	CJR	1
1,1,1,2-Tetrachloroethane	< 0.55	ug/l	0.55	2.25	1	8260B		9/15/2022	CJR	1
Tetrachloroethene	< 0.47	ug/l	0.47	1.91	1	8260B		9/15/2022	CJR	1
Toluene	< 0.33	ug/l	0.33	1.35	1	8260B		9/15/2022	CJR	1
1,2,4-Trichlorobenzene	< 0.63	ug/l	0.63	2.57	1	8260B		9/15/2022	CJR	1

Project Name CITY OF BERLIN
Project # 19228

Invoice # E41427

Lab Code 5041427K
Sample ID MW-11
Sample Matrix Water
Sample Date 9/12/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2,3-Trichlorobenzene	< 1.4	ug/l	1.4	5.94	1	8260B		9/15/2022	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1.34	1	8260B		9/15/2022	CJR	1
1,1,2-Trichloroethane	< 0.42	ug/l	0.42	1.72	1	8260B		9/15/2022	CJR	1
Trichloroethene (TCE)	< 0.38	ug/l	0.38	1.55	1	8260B		9/15/2022	CJR	1
Trichlorofluoromethane	< 0.33	ug/l	0.33	1.35	1	8260B		9/15/2022	CJR	1
1,2,4-Trimethylbenzene	< 0.35	ug/l	0.35	1.44	1	8260B		9/15/2022	CJR	1
1,3,5-Trimethylbenzene	< 0.41	ug/l	0.41	1.66	1	8260B		9/15/2022	CJR	1
Vinyl Chloride	< 0.15	ug/l	0.15	0.61	1	8260B		9/15/2022	CJR	1
m&p-Xylene	< 0.64	ug/l	0.64	2.63	1	8260B		9/15/2022	CJR	1
o-Xylene	< 0.37	ug/l	0.37	1.51	1	8260B		9/15/2022	CJR	1
SUR - Toluene-d8	92	REC %			1	8260B		9/15/2022	CJR	1
SUR - 1,2-Dichloroethane-d4	100	REC %			1	8260B		9/15/2022	CJR	1
SUR - 4-Bromofluorobenzene	95	REC %			1	8260B		9/15/2022	CJR	1
SUR - Dibromofluoromethane	98	REC %			1	8260B		9/15/2022	CJR	1

Project Name CITY OF BERLIN
Project # 19228

Invoice # E41427

Lab Code 5041427L
Sample ID MW-12
Sample Matrix Water
Sample Date 9/12/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.3	ug/l	0.3	1.25	1	8260B		9/15/2022	CJR	1
Bromobenzene	< 0.34	ug/l	0.34	1.4	1	8260B		9/15/2022	CJR	1
Bromodichloromethane	< 0.36	ug/l	0.36	1.47	1	8260B		9/15/2022	CJR	1
Bromoform	< 0.42	ug/l	0.42	1.72	1	8260B		9/15/2022	CJR	1
tert-Butylbenzene	< 0.37	ug/l	0.37	1.49	1	8260B		9/15/2022	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1.34	1	8260B		9/15/2022	CJR	1
n-Butylbenzene	< 0.71	ug/l	0.71	2.9	1	8260B		9/15/2022	CJR	1
Carbon Tetrachloride	< 0.34	ug/l	0.34	1.39	1	8260B		9/15/2022	CJR	1
Chlorobenzene	< 0.29	ug/l	0.29	1.19	1	8260B		9/15/2022	CJR	1
Chloroethane	< 0.62	ug/l	0.62	2.54	1	8260B		9/15/2022	CJR	1
Chloroform	< 0.33	ug/l	0.33	1.33	1	8260B		9/15/2022	CJR	1
Chloromethane	< 0.74	ug/l	0.74	3.03	1	8260B		9/15/2022	CJR	1
2-Chlorotoluene	< 0.34	ug/l	0.34	1.37	1	8260B		9/15/2022	CJR	1
4-Chlorotoluene	< 0.4	ug/l	0.4	1.63	1	8260B		9/15/2022	CJR	1
1,2-Dibromo-3-chloropropane	< 0.74	ug/l	0.74	3.01	1	8260B		9/15/2022	CJR	1
Dibromochloromethane	< 0.36	ug/l	0.36	1.46	1	8260B		9/15/2022	CJR	1
1,4-Dichlorobenzene	< 0.49	ug/l	0.49	2.01	1	8260B		9/15/2022	CJR	1
1,3-Dichlorobenzene	< 0.35	ug/l	0.35	1.44	1	8260B		9/15/2022	CJR	1
1,2-Dichlorobenzene	< 0.4	ug/l	0.4	1.65	1	8260B		9/15/2022	CJR	1
Dichlorodifluoromethane	< 0.3	ug/l	0.3	1.23	1	8260B		9/15/2022	CJR	1
1,2-Dichloroethane	< 0.43	ug/l	0.43	1.75	1	8260B		9/15/2022	CJR	1
1,1-Dichloroethane	< 0.43	ug/l	0.43	1.74	1	8260B		9/15/2022	CJR	1
1,1-Dichloroethene	< 0.43	ug/l	0.43	1.76	1	8260B		9/15/2022	CJR	1
cis-1,2-Dichloroethene	< 0.32	ug/l	0.32	1.29	1	8260B		9/15/2022	CJR	1
trans-1,2-Dichloroethene	< 0.5	ug/l	0.5	2.02	1	8260B		9/15/2022	CJR	1
1,2-Dichloropropane	< 0.39	ug/l	0.39	1.58	1	8260B		9/15/2022	CJR	1
1,3-Dichloropropane	< 0.38	ug/l	0.38	1.55	1	8260B		9/15/2022	CJR	1
trans-1,3-Dichloropropene	< 0.41	ug/l	0.41	1.67	1	8260B		9/15/2022	CJR	1
cis-1,3-Dichloropropene	< 0.41	ug/l	0.41	1.67	1	8260B		9/15/2022	CJR	1
Di-isopropyl ether	< 0.48	ug/l	0.48	1.96	1	8260B		9/15/2022	CJR	1
EDB (1,2-Dibromoethane)	< 0.39	ug/l	0.39	1.59	1	8260B		9/15/2022	CJR	1
Ethylbenzene	< 0.33	ug/l	0.33	1.37	1	8260B		9/15/2022	CJR	1
Hexachlorobutadiene	< 0.81	ug/l	0.81	3.44	1	8260B		9/15/2022	CJR	1
Isopropylbenzene	< 0.34	ug/l	0.34	1.38	1	8260B		9/15/2022	CJR	1
p-Isopropyltoluene	< 0.47	ug/l	0.47	1.91	1	8260B		9/15/2022	CJR	1
Methylene chloride	< 0.79	ug/l	0.79	3.23	1	8260B		9/15/2022	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.47	ug/l	0.47	1.91	1	8260B		9/15/2022	CJR	1
Naphthalene	< 1.4	ug/l	1.4	5.56	1	8260B		9/15/2022	CJR	1
n-Propylbenzene	< 0.39	ug/l	0.39	1.6	1	8260B		9/15/2022	CJR	1
1,1,2,2-Tetrachloroethane	< 0.43	ug/l	0.43	1.77	1	8260B		9/15/2022	CJR	1
1,1,1,2-Tetrachloroethane	< 0.55	ug/l	0.55	2.25	1	8260B		9/15/2022	CJR	1
Tetrachloroethene	< 0.47	ug/l	0.47	1.91	1	8260B		9/15/2022	CJR	1
Toluene	< 0.33	ug/l	0.33	1.35	1	8260B		9/15/2022	CJR	1
1,2,4-Trichlorobenzene	< 0.63	ug/l	0.63	2.57	1	8260B		9/15/2022	CJR	1

Project Name CITY OF BERLIN
Project # 19228

Invoice # E41427

Lab Code 5041427L
Sample ID MW-12
Sample Matrix Water
Sample Date 9/12/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2,3-Trichlorobenzene	< 1.4	ug/l	1.4	5.94	1	8260B		9/15/2022	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1.34	1	8260B		9/15/2022	CJR	1
1,1,2-Trichloroethane	< 0.42	ug/l	0.42	1.72	1	8260B		9/15/2022	CJR	1
Trichloroethene (TCE)	< 0.38	ug/l	0.38	1.55	1	8260B		9/15/2022	CJR	1
Trichlorofluoromethane	< 0.33	ug/l	0.33	1.35	1	8260B		9/15/2022	CJR	1
1,2,4-Trimethylbenzene	< 0.35	ug/l	0.35	1.44	1	8260B		9/15/2022	CJR	1
1,3,5-Trimethylbenzene	< 0.41	ug/l	0.41	1.66	1	8260B		9/15/2022	CJR	1
Vinyl Chloride	< 0.15	ug/l	0.15	0.61	1	8260B		9/15/2022	CJR	1
m&p-Xylene	< 0.64	ug/l	0.64	2.63	1	8260B		9/15/2022	CJR	1
o-Xylene	< 0.37	ug/l	0.37	1.51	1	8260B		9/15/2022	CJR	1
SUR - Toluene-d8	92	REC %			1	8260B		9/15/2022	CJR	1
SUR - 1,2-Dichloroethane-d4	100	REC %			1	8260B		9/15/2022	CJR	1
SUR - 4-Bromofluorobenzene	97	REC %			1	8260B		9/15/2022	CJR	1
SUR - Dibromofluoromethane	99	REC %			1	8260B		9/15/2022	CJR	1

Project Name CITY OF BERLIN
Project # 19228

Invoice # E41427

Lab Code 5041427M
Sample ID PZ-6
Sample Matrix Water
Sample Date 9/12/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.3	ug/l	0.3	1.25	1	8260B		9/16/2022	CJR	1
Bromobenzene	< 0.34	ug/l	0.34	1.4	1	8260B		9/16/2022	CJR	1
Bromodichloromethane	< 0.36	ug/l	0.36	1.47	1	8260B		9/16/2022	CJR	1
Bromoform	< 0.42	ug/l	0.42	1.72	1	8260B		9/16/2022	CJR	1
tert-Butylbenzene	< 0.37	ug/l	0.37	1.49	1	8260B		9/16/2022	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1.34	1	8260B		9/16/2022	CJR	1
n-Butylbenzene	< 0.71	ug/l	0.71	2.9	1	8260B		9/16/2022	CJR	1
Carbon Tetrachloride	< 0.34	ug/l	0.34	1.39	1	8260B		9/16/2022	CJR	1
Chlorobenzene	< 0.29	ug/l	0.29	1.19	1	8260B		9/16/2022	CJR	1
Chloroethane	< 0.62	ug/l	0.62	2.54	1	8260B		9/16/2022	CJR	1
Chloroform	< 0.33	ug/l	0.33	1.33	1	8260B		9/16/2022	CJR	1
Chloromethane	< 0.74	ug/l	0.74	3.03	1	8260B		9/16/2022	CJR	1
2-Chlorotoluene	< 0.34	ug/l	0.34	1.37	1	8260B		9/16/2022	CJR	1
4-Chlorotoluene	< 0.4	ug/l	0.4	1.63	1	8260B		9/16/2022	CJR	1
1,2-Dibromo-3-chloropropane	< 0.74	ug/l	0.74	3.01	1	8260B		9/16/2022	CJR	1
Dibromochloromethane	< 0.36	ug/l	0.36	1.46	1	8260B		9/16/2022	CJR	1
1,4-Dichlorobenzene	< 0.49	ug/l	0.49	2.01	1	8260B		9/16/2022	CJR	1
1,3-Dichlorobenzene	< 0.35	ug/l	0.35	1.44	1	8260B		9/16/2022	CJR	1
1,2-Dichlorobenzene	< 0.4	ug/l	0.4	1.65	1	8260B		9/16/2022	CJR	1
Dichlorodifluoromethane	< 0.3	ug/l	0.3	1.23	1	8260B		9/16/2022	CJR	1
1,2-Dichloroethane	< 0.43	ug/l	0.43	1.75	1	8260B		9/16/2022	CJR	1
1,1-Dichloroethane	< 0.43	ug/l	0.43	1.74	1	8260B		9/16/2022	CJR	1
1,1-Dichloroethene	< 0.43	ug/l	0.43	1.76	1	8260B		9/16/2022	CJR	1
cis-1,2-Dichloroethene	< 0.32	ug/l	0.32	1.29	1	8260B		9/16/2022	CJR	1
trans-1,2-Dichloroethene	< 0.5	ug/l	0.5	2.02	1	8260B		9/16/2022	CJR	1
1,2-Dichloropropane	< 0.39	ug/l	0.39	1.58	1	8260B		9/16/2022	CJR	1
1,3-Dichloropropane	< 0.38	ug/l	0.38	1.55	1	8260B		9/16/2022	CJR	1
trans-1,3-Dichloropropene	< 0.41	ug/l	0.41	1.67	1	8260B		9/16/2022	CJR	1
cis-1,3-Dichloropropene	< 0.41	ug/l	0.41	1.67	1	8260B		9/16/2022	CJR	1
Di-isopropyl ether	< 0.48	ug/l	0.48	1.96	1	8260B		9/16/2022	CJR	1
EDB (1,2-Dibromoethane)	< 0.39	ug/l	0.39	1.59	1	8260B		9/16/2022	CJR	1
Ethylbenzene	< 0.33	ug/l	0.33	1.37	1	8260B		9/16/2022	CJR	1
Hexachlorobutadiene	< 0.81	ug/l	0.81	3.44	1	8260B		9/16/2022	CJR	1
Isopropylbenzene	< 0.34	ug/l	0.34	1.38	1	8260B		9/16/2022	CJR	1
p-Isopropyltoluene	< 0.47	ug/l	0.47	1.91	1	8260B		9/16/2022	CJR	1
Methylene chloride	< 0.79	ug/l	0.79	3.23	1	8260B		9/16/2022	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.47	ug/l	0.47	1.91	1	8260B		9/16/2022	CJR	1
Naphthalene	< 1.4	ug/l	1.4	5.56	1	8260B		9/16/2022	CJR	1
n-Propylbenzene	< 0.39	ug/l	0.39	1.6	1	8260B		9/16/2022	CJR	1
1,1,2,2-Tetrachloroethane	< 0.43	ug/l	0.43	1.77	1	8260B		9/16/2022	CJR	1
1,1,1,2-Tetrachloroethane	< 0.55	ug/l	0.55	2.25	1	8260B		9/16/2022	CJR	1
Tetrachloroethene	0.57 "J"	ug/l	0.47	1.91	1	8260B		9/16/2022	CJR	1
Toluene	< 0.33	ug/l	0.33	1.35	1	8260B		9/16/2022	CJR	1
1,2,4-Trichlorobenzene	< 0.63	ug/l	0.63	2.57	1	8260B		9/16/2022	CJR	1

Project Name CITY OF BERLIN
Project # 19228

Invoice # E41427

Lab Code 5041427M
Sample ID PZ-6
Sample Matrix Water
Sample Date 9/12/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2,3-Trichlorobenzene	< 1.4	ug/l	1.4	5.94	1	8260B		9/16/2022	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1.34	1	8260B		9/16/2022	CJR	1
1,1,2-Trichloroethane	< 0.42	ug/l	0.42	1.72	1	8260B		9/16/2022	CJR	1
Trichloroethene (TCE)	< 0.38	ug/l	0.38	1.55	1	8260B		9/16/2022	CJR	1
Trichlorofluoromethane	< 0.33	ug/l	0.33	1.35	1	8260B		9/16/2022	CJR	1
1,2,4-Trimethylbenzene	< 0.35	ug/l	0.35	1.44	1	8260B		9/16/2022	CJR	1
1,3,5-Trimethylbenzene	< 0.41	ug/l	0.41	1.66	1	8260B		9/16/2022	CJR	1
Vinyl Chloride	< 0.15	ug/l	0.15	0.61	1	8260B		9/16/2022	CJR	1
m&p-Xylene	< 0.64	ug/l	0.64	2.63	1	8260B		9/16/2022	CJR	1
o-Xylene	< 0.37	ug/l	0.37	1.51	1	8260B		9/16/2022	CJR	1
SUR - Toluene-d8	92	REC %			1	8260B		9/16/2022	CJR	1
SUR - 1,2-Dichloroethane-d4	99	REC %			1	8260B		9/16/2022	CJR	1
SUR - 4-Bromofluorobenzene	99	REC %			1	8260B		9/16/2022	CJR	1
SUR - Dibromofluoromethane	104	REC %			1	8260B		9/16/2022	CJR	1

Project Name CITY OF BERLIN
Project # 19228

Invoice # E41427

Lab Code 5041427N
Sample ID DUPLICATE
Sample Matrix Water
Sample Date 9/12/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic VOC's										
Benzene	< 0.3	ug/l	0.3	1.25	1	8260B		9/16/2022	CJR	1
Bromobenzene	< 0.34	ug/l	0.34	1.4	1	8260B		9/16/2022	CJR	1
Bromodichloromethane	< 0.36	ug/l	0.36	1.47	1	8260B		9/16/2022	CJR	1
Bromoform	< 0.42	ug/l	0.42	1.72	1	8260B		9/16/2022	CJR	1
tert-Butylbenzene	< 0.37	ug/l	0.37	1.49	1	8260B		9/16/2022	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1.34	1	8260B		9/16/2022	CJR	1
n-Butylbenzene	< 0.71	ug/l	0.71	2.9	1	8260B		9/16/2022	CJR	1
Carbon Tetrachloride	< 0.34	ug/l	0.34	1.39	1	8260B		9/16/2022	CJR	1
Chlorobenzene	< 0.29	ug/l	0.29	1.19	1	8260B		9/16/2022	CJR	1
Chloroethane	< 0.62	ug/l	0.62	2.54	1	8260B		9/16/2022	CJR	1
Chloroform	< 0.33	ug/l	0.33	1.33	1	8260B		9/16/2022	CJR	1
Chloromethane	< 0.74	ug/l	0.74	3.03	1	8260B		9/16/2022	CJR	1
2-Chlorotoluene	< 0.34	ug/l	0.34	1.37	1	8260B		9/16/2022	CJR	1
4-Chlorotoluene	< 0.4	ug/l	0.4	1.63	1	8260B		9/16/2022	CJR	1
1,2-Dibromo-3-chloropropane	< 0.74	ug/l	0.74	3.01	1	8260B		9/16/2022	CJR	1
Dibromochloromethane	< 0.36	ug/l	0.36	1.46	1	8260B		9/16/2022	CJR	1
1,4-Dichlorobenzene	< 0.49	ug/l	0.49	2.01	1	8260B		9/16/2022	CJR	1
1,3-Dichlorobenzene	< 0.35	ug/l	0.35	1.44	1	8260B		9/16/2022	CJR	1
1,2-Dichlorobenzene	< 0.4	ug/l	0.4	1.65	1	8260B		9/16/2022	CJR	1
Dichlorodifluoromethane	< 0.3	ug/l	0.3	1.23	1	8260B		9/16/2022	CJR	1
1,2-Dichloroethane	< 0.43	ug/l	0.43	1.75	1	8260B		9/16/2022	CJR	1
1,1-Dichloroethane	< 0.43	ug/l	0.43	1.74	1	8260B		9/16/2022	CJR	1
1,1-Dichloroethene	< 0.43	ug/l	0.43	1.76	1	8260B		9/16/2022	CJR	1
cis-1,2-Dichloroethene	< 0.32	ug/l	0.32	1.29	1	8260B		9/16/2022	CJR	1
trans-1,2-Dichloroethene	< 0.5	ug/l	0.5	2.02	1	8260B		9/16/2022	CJR	1
1,2-Dichloropropane	< 0.39	ug/l	0.39	1.58	1	8260B		9/16/2022	CJR	1
1,3-Dichloropropane	< 0.38	ug/l	0.38	1.55	1	8260B		9/16/2022	CJR	1
trans-1,3-Dichloropropene	< 0.41	ug/l	0.41	1.67	1	8260B		9/16/2022	CJR	1
cis-1,3-Dichloropropene	< 0.41	ug/l	0.41	1.67	1	8260B		9/16/2022	CJR	1
Diisopropyl ether	< 0.48	ug/l	0.48	1.96	1	8260B		9/16/2022	CJR	1
EDB (1,2-Dibromoethane)	< 0.39	ug/l	0.39	1.59	1	8260B		9/16/2022	CJR	1
Ethylbenzene	< 0.33	ug/l	0.33	1.37	1	8260B		9/16/2022	CJR	1
Hexachlorobutadiene	< 0.81	ug/l	0.81	3.44	1	8260B		9/16/2022	CJR	1
Isopropylbenzene	< 0.34	ug/l	0.34	1.38	1	8260B		9/16/2022	CJR	1
p-Isopropyltoluene	< 0.47	ug/l	0.47	1.91	1	8260B		9/16/2022	CJR	1
Methylene chloride	< 0.79	ug/l	0.79	3.23	1	8260B		9/16/2022	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.47	ug/l	0.47	1.91	1	8260B		9/16/2022	CJR	1
Naphthalene	< 1.4	ug/l	1.4	5.56	1	8260B		9/16/2022	CJR	1
n-Propylbenzene	< 0.39	ug/l	0.39	1.6	1	8260B		9/16/2022	CJR	1
1,1,2,2-Tetrachloroethane	< 0.43	ug/l	0.43	1.77	1	8260B		9/16/2022	CJR	1
1,1,1,2-Tetrachloroethane	< 0.55	ug/l	0.55	2.25	1	8260B		9/16/2022	CJR	1
Tetrachloroethene	4.8	ug/l	0.47	1.91	1	8260B		9/16/2022	CJR	1
Toluene	< 0.33	ug/l	0.33	1.35	1	8260B		9/16/2022	CJR	1
1,2,4-Trichlorobenzene	< 0.63	ug/l	0.63	2.57	1	8260B		9/16/2022	CJR	1

Project Name CITY OF BERLIN
Project # 19228

Invoice # E41427

Lab Code 5041427N
Sample ID DUPLICATE
Sample Matrix Water
Sample Date 9/12/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2,3-Trichlorobenzene	< 1.4	ug/l	1.4	5.94	1	8260B		9/16/2022	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1.34	1	8260B		9/16/2022	CJR	1
1,1,2-Trichloroethane	< 0.42	ug/l	0.42	1.72	1	8260B		9/16/2022	CJR	1
Trichloroethene (TCE)	< 0.38	ug/l	0.38	1.55	1	8260B		9/16/2022	CJR	1
Trichlorofluoromethane	< 0.33	ug/l	0.33	1.35	1	8260B		9/16/2022	CJR	1
1,2,4-Trimethylbenzene	< 0.35	ug/l	0.35	1.44	1	8260B		9/16/2022	CJR	1
1,3,5-Trimethylbenzene	< 0.41	ug/l	0.41	1.66	1	8260B		9/16/2022	CJR	1
Vinyl Chloride	< 0.15	ug/l	0.15	0.61	1	8260B		9/16/2022	CJR	1
m&p-Xylene	< 0.64	ug/l	0.64	2.63	1	8260B		9/16/2022	CJR	1
o-Xylene	< 0.37	ug/l	0.37	1.51	1	8260B		9/16/2022	CJR	1
SUR - Toluene-d8	93	REC %			1	8260B		9/16/2022	CJR	1
SUR - 1,2-Dichloroethane-d4	104	REC %			1	8260B		9/16/2022	CJR	1
SUR - 4-Bromofluorobenzene	99	REC %			1	8260B		9/16/2022	CJR	1
SUR - Dibromofluoromethane	101	REC %			1	8260B		9/16/2022	CJR	1

Project Name CITY OF BERLIN
Project # 19228

Invoice # E41427

Lab Code 50414270
Sample ID EQUIP BLK
Sample Matrix Water
Sample Date 9/12/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.3	ug/l	0.3	1.25	1	8260B		9/15/2022	CJR	1
Bromobenzene	< 0.34	ug/l	0.34	1.4	1	8260B		9/15/2022	CJR	1
Bromodichloromethane	< 0.36	ug/l	0.36	1.47	1	8260B		9/15/2022	CJR	1
Bromoform	< 0.42	ug/l	0.42	1.72	1	8260B		9/15/2022	CJR	1
tert-Butylbenzene	< 0.37	ug/l	0.37	1.49	1	8260B		9/15/2022	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1.34	1	8260B		9/15/2022	CJR	1
n-Butylbenzene	< 0.71	ug/l	0.71	2.9	1	8260B		9/15/2022	CJR	1
Carbon Tetrachloride	< 0.34	ug/l	0.34	1.39	1	8260B		9/15/2022	CJR	1
Chlorobenzene	< 0.29	ug/l	0.29	1.19	1	8260B		9/15/2022	CJR	1
Chloroethane	< 0.62	ug/l	0.62	2.54	1	8260B		9/15/2022	CJR	1
Chloroform	< 0.33	ug/l	0.33	1.33	1	8260B		9/15/2022	CJR	1
Chloromethane	< 0.74	ug/l	0.74	3.03	1	8260B		9/15/2022	CJR	1
2-Chlorotoluene	< 0.34	ug/l	0.34	1.37	1	8260B		9/15/2022	CJR	1
4-Chlorotoluene	< 0.4	ug/l	0.4	1.63	1	8260B		9/15/2022	CJR	1
1,2-Dibromo-3-chloropropane	< 0.74	ug/l	0.74	3.01	1	8260B		9/15/2022	CJR	1
Dibromochloromethane	< 0.36	ug/l	0.36	1.46	1	8260B		9/15/2022	CJR	1
1,4-Dichlorobenzene	< 0.49	ug/l	0.49	2.01	1	8260B		9/15/2022	CJR	1
1,3-Dichlorobenzene	< 0.35	ug/l	0.35	1.44	1	8260B		9/15/2022	CJR	1
1,2-Dichlorobenzene	< 0.4	ug/l	0.4	1.65	1	8260B		9/15/2022	CJR	1
Dichlorodifluoromethane	< 0.3	ug/l	0.3	1.23	1	8260B		9/15/2022	CJR	1
1,2-Dichloroethane	< 0.43	ug/l	0.43	1.75	1	8260B		9/15/2022	CJR	1
1,1-Dichloroethane	< 0.43	ug/l	0.43	1.74	1	8260B		9/15/2022	CJR	1
1,1-Dichloroethene	< 0.43	ug/l	0.43	1.76	1	8260B		9/15/2022	CJR	1
cis-1,2-Dichloroethene	< 0.32	ug/l	0.32	1.29	1	8260B		9/15/2022	CJR	1
trans-1,2-Dichloroethene	< 0.5	ug/l	0.5	2.02	1	8260B		9/15/2022	CJR	1
1,2-Dichloropropane	< 0.39	ug/l	0.39	1.58	1	8260B		9/15/2022	CJR	1
1,3-Dichloropropane	< 0.38	ug/l	0.38	1.55	1	8260B		9/15/2022	CJR	1
trans-1,3-Dichloropropene	< 0.41	ug/l	0.41	1.67	1	8260B		9/15/2022	CJR	1
cis-1,3-Dichloropropene	< 0.41	ug/l	0.41	1.67	1	8260B		9/15/2022	CJR	1
Di-isopropyl ether	< 0.48	ug/l	0.48	1.96	1	8260B		9/15/2022	CJR	1
EDB (1,2-Dibromoethane)	< 0.39	ug/l	0.39	1.59	1	8260B		9/15/2022	CJR	1
Ethylbenzene	< 0.33	ug/l	0.33	1.37	1	8260B		9/15/2022	CJR	1
Hexachlorobutadiene	< 0.81	ug/l	0.81	3.44	1	8260B		9/15/2022	CJR	1
Isopropylbenzene	< 0.34	ug/l	0.34	1.38	1	8260B		9/15/2022	CJR	1
p-Isopropyltoluene	< 0.47	ug/l	0.47	1.91	1	8260B		9/15/2022	CJR	1
Methylene chloride	2.86 "J"	ug/l	0.79	3.23	1	8260B		9/15/2022	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.47	ug/l	0.47	1.91	1	8260B		9/15/2022	CJR	1
Naphthalene	< 1.4	ug/l	1.4	5.56	1	8260B		9/15/2022	CJR	1
n-Propylbenzene	< 0.39	ug/l	0.39	1.6	1	8260B		9/15/2022	CJR	1
1,1,2,2-Tetrachloroethane	< 0.43	ug/l	0.43	1.77	1	8260B		9/15/2022	CJR	1
1,1,1,2-Tetrachloroethane	< 0.55	ug/l	0.55	2.25	1	8260B		9/15/2022	CJR	1
Tetrachloroethene	< 0.47	ug/l	0.47	1.91	1	8260B		9/15/2022	CJR	1
Toluene	< 0.33	ug/l	0.33	1.35	1	8260B		9/15/2022	CJR	1
1,2,4-Trichlorobenzene	< 0.63	ug/l	0.63	2.57	1	8260B		9/15/2022	CJR	1

Project Name CITY OF BERLIN
Project # 19228

Invoice # E41427

Lab Code 50414270
Sample ID EQUIP BLK
Sample Matrix Water
Sample Date 9/12/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2,3-Trichlorobenzene	< 1.4	ug/l	1.4	5.94	1	8260B		9/15/2022	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1.34	1	8260B		9/15/2022	CJR	1
1,1,2-Trichloroethane	< 0.42	ug/l	0.42	1.72	1	8260B		9/15/2022	CJR	1
Trichloroethene (TCE)	< 0.38	ug/l	0.38	1.55	1	8260B		9/15/2022	CJR	1
Trichlorofluoromethane	< 0.33	ug/l	0.33	1.35	1	8260B		9/15/2022	CJR	1
1,2,4-Trimethylbenzene	< 0.35	ug/l	0.35	1.44	1	8260B		9/15/2022	CJR	1
1,3,5-Trimethylbenzene	< 0.41	ug/l	0.41	1.66	1	8260B		9/15/2022	CJR	1
Vinyl Chloride	< 0.15	ug/l	0.15	0.61	1	8260B		9/15/2022	CJR	1
m&p-Xylene	< 0.64	ug/l	0.64	2.63	1	8260B		9/15/2022	CJR	1
o-Xylene	< 0.37	ug/l	0.37	1.51	1	8260B		9/15/2022	CJR	1
SUR - Toluene-d8	93	REC %			1	8260B		9/15/2022	CJR	1
SUR - 1,2-Dichloroethane-d4	105	REC %			1	8260B		9/15/2022	CJR	1
SUR - 4-Bromofluorobenzene	98	REC %			1	8260B		9/15/2022	CJR	1
SUR - Dibromofluoromethane	97	REC %			1	8260B		9/15/2022	CJR	1

Project Name CITY OF BERLIN
Project # 19228

Invoice # E41427

Lab Code 5041427P
Sample ID TRIP BLANK
Sample Matrix Water
Sample Date 9/12/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.3	ug/l	0.3	1.25	1	8260B		9/15/2022	CJR	1
Bromobenzene	< 0.34	ug/l	0.34	1.4	1	8260B		9/15/2022	CJR	1
Bromodichloromethane	< 0.36	ug/l	0.36	1.47	1	8260B		9/15/2022	CJR	1
Bromoform	< 0.42	ug/l	0.42	1.72	1	8260B		9/15/2022	CJR	1
tert-Butylbenzene	< 0.37	ug/l	0.37	1.49	1	8260B		9/15/2022	CJR	1
sec-Butylbenzene	< 0.33	ug/l	0.33	1.34	1	8260B		9/15/2022	CJR	1
n-Butylbenzene	< 0.71	ug/l	0.71	2.9	1	8260B		9/15/2022	CJR	1
Carbon Tetrachloride	< 0.34	ug/l	0.34	1.39	1	8260B		9/15/2022	CJR	1
Chlorobenzene	< 0.29	ug/l	0.29	1.19	1	8260B		9/15/2022	CJR	1
Chloroethane	< 0.62	ug/l	0.62	2.54	1	8260B		9/15/2022	CJR	1
Chloroform	< 0.33	ug/l	0.33	1.33	1	8260B		9/15/2022	CJR	1
Chloromethane	< 0.74	ug/l	0.74	3.03	1	8260B		9/15/2022	CJR	1
2-Chlorotoluene	< 0.34	ug/l	0.34	1.37	1	8260B		9/15/2022	CJR	1
4-Chlorotoluene	< 0.4	ug/l	0.4	1.63	1	8260B		9/15/2022	CJR	1
1,2-Dibromo-3-chloropropane	< 0.74	ug/l	0.74	3.01	1	8260B		9/15/2022	CJR	1
Dibromochloromethane	< 0.36	ug/l	0.36	1.46	1	8260B		9/15/2022	CJR	1
1,4-Dichlorobenzene	< 0.49	ug/l	0.49	2.01	1	8260B		9/15/2022	CJR	1
1,3-Dichlorobenzene	< 0.35	ug/l	0.35	1.44	1	8260B		9/15/2022	CJR	1
1,2-Dichlorobenzene	< 0.4	ug/l	0.4	1.65	1	8260B		9/15/2022	CJR	1
Dichlorodifluoromethane	< 0.3	ug/l	0.3	1.23	1	8260B		9/15/2022	CJR	1
1,2-Dichloroethane	< 0.43	ug/l	0.43	1.75	1	8260B		9/15/2022	CJR	1
1,1-Dichloroethane	< 0.43	ug/l	0.43	1.74	1	8260B		9/15/2022	CJR	1
1,1-Dichloroethene	< 0.43	ug/l	0.43	1.76	1	8260B		9/15/2022	CJR	1
cis-1,2-Dichloroethene	< 0.32	ug/l	0.32	1.29	1	8260B		9/15/2022	CJR	1
trans-1,2-Dichloroethene	< 0.5	ug/l	0.5	2.02	1	8260B		9/15/2022	CJR	1
1,2-Dichloropropane	< 0.39	ug/l	0.39	1.58	1	8260B		9/15/2022	CJR	1
1,3-Dichloropropane	< 0.38	ug/l	0.38	1.55	1	8260B		9/15/2022	CJR	1
trans-1,3-Dichloropropene	< 0.41	ug/l	0.41	1.67	1	8260B		9/15/2022	CJR	1
cis-1,3-Dichloropropene	< 0.41	ug/l	0.41	1.67	1	8260B		9/15/2022	CJR	1
Di-isopropyl ether	< 0.48	ug/l	0.48	1.96	1	8260B		9/15/2022	CJR	1
EDB (1,2-Dibromoethane)	< 0.39	ug/l	0.39	1.59	1	8260B		9/15/2022	CJR	1
Ethylbenzene	< 0.33	ug/l	0.33	1.37	1	8260B		9/15/2022	CJR	1
Hexachlorobutadiene	< 0.81	ug/l	0.81	3.44	1	8260B		9/15/2022	CJR	1
Isopropylbenzene	< 0.34	ug/l	0.34	1.38	1	8260B		9/15/2022	CJR	1
p-Isopropyltoluene	< 0.47	ug/l	0.47	1.91	1	8260B		9/15/2022	CJR	1
Methylene chloride	1.83 "J"	ug/l	0.79	3.23	1	8260B		9/15/2022	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.47	ug/l	0.47	1.91	1	8260B		9/15/2022	CJR	1
Naphthalene	< 1.4	ug/l	1.4	5.56	1	8260B		9/15/2022	CJR	1
n-Propylbenzene	< 0.39	ug/l	0.39	1.6	1	8260B		9/15/2022	CJR	1
1,1,2,2-Tetrachloroethane	< 0.43	ug/l	0.43	1.77	1	8260B		9/15/2022	CJR	1
1,1,1,2-Tetrachloroethane	< 0.55	ug/l	0.55	2.25	1	8260B		9/15/2022	CJR	1
Tetrachloroethene	< 0.47	ug/l	0.47	1.91	1	8260B		9/15/2022	CJR	1
Toluene	< 0.33	ug/l	0.33	1.35	1	8260B		9/15/2022	CJR	1
1,2,4-Trichlorobenzene	< 0.63	ug/l	0.63	2.57	1	8260B		9/15/2022	CJR	1

Project Name CITY OF BERLIN
Project # 19228

Invoice # E41427

Lab Code 5041427P
Sample ID TRIP BLANK
Sample Matrix Water
Sample Date 9/12/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2,3-Trichlorobenzene	< 1.4	ug/l	1.4	5.94	1	8260B		9/15/2022	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1.34	1	8260B		9/15/2022	CJR	1
1,1,2-Trichloroethane	< 0.42	ug/l	0.42	1.72	1	8260B		9/15/2022	CJR	1
Trichloroethene (TCE)	< 0.38	ug/l	0.38	1.55	1	8260B		9/15/2022	CJR	1
Trichlorofluoromethane	< 0.33	ug/l	0.33	1.35	1	8260B		9/15/2022	CJR	1
1,2,4-Trimethylbenzene	< 0.35	ug/l	0.35	1.44	1	8260B		9/15/2022	CJR	1
1,3,5-Trimethylbenzene	< 0.41	ug/l	0.41	1.66	1	8260B		9/15/2022	CJR	1
Vinyl Chloride	< 0.15	ug/l	0.15	0.61	1	8260B		9/15/2022	CJR	1
m&p-Xylene	< 0.64	ug/l	0.64	2.63	1	8260B		9/15/2022	CJR	1
o-Xylene	< 0.37	ug/l	0.37	1.51	1	8260B		9/15/2022	CJR	1
SUR - Toluene-d8	91	REC %			1	8260B		9/15/2022	CJR	1
SUR - 1,2-Dichloroethane-d4	99	REC %			1	8260B		9/15/2022	CJR	1
SUR - 4-Bromofluorobenzene	98	REC %			1	8260B		9/15/2022	CJR	1
SUR - Dibromofluoromethane	99	REC %			1	8260B		9/15/2022	CJR	1

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

Code **Comment**

- 1 Laboratory QC within limits.
- 2 Relative percent difference failed for laboratory spiked samples.

All solid sample results reported on a dry weight basis unless otherwise indicated. All LOD's and LOQ's are adjusted for dilutions but not dry weight. Subcontracted results are denoted by SUB in the analyst field.

Authorized Signature



Environmental Lab, Inc.

www.synergy-lab.net

1990 Prospect Ct. • Appleton, WI 54914

920-830-2455 • mrsynergy@wi.twcbc.com

Sample Handling Request

Rush Analysis Date Required:

(Rushes accepted only with prior authorization)

X Normal Turn Around

Lab I.D. # _____

QUOTE # : 1922B

Project #: Epi Nubia

Sampler: (signature) Epi Nubia

Project (Name / Location): City of Berlin

Reports To: Adena Roder

Company: The Sigma Group

Address: 1300 West Canal Street

City State Zip: Milwaukee, WI 53233

Phone: 414-643-4134

Email: adeneroder@thesigmagroup.com

Analysis Requested				Other Analysis			
Lab I.D.	Sample I.D.	Collection Date	Time	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation
5041427A	MW-1	9/12/02	10:25	N	3	GW	HCL
B	MW-2	9/12/02	12:35	N	3	GW	HCL
C	MW-3	9/12/02	14:40	N	3	GW	HCL
D	MW-4	9/12/02	13:50	N	3	GW	HCL
E	MW-5	9/12/02	15:10	N	3	GW	HCL
F	MW-6	9/12/02	11:25	N	3	GW	HCL
G	MW-7	9/12/02	9:35	N	3	GW	HCL
H	MW-8	9/12/02	9:30	N	3	GW	HCL
I	MW-9	9/12/02	10:55	N	3	GW	HCL
J	MW-10	9/12/02	13:00	N	3	GW	HCL
K	MW-11	9/12/02	13:30	N	3	GW	HCL
L	MW-12	9/12/02	14:15	N	3	GW	HCL
Comments/Special Instructions (*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge, etc.)							
				DRO (Mod DRO Sep 95)			
				LEAD			
				NITRATE/NITRITE			
				OIL & GREASE			
				PAH (EPA 8270)			
				PCB			
				PVOC (EPA 8021)			
				PVOC + NAPHTHALENE			
				SULFATE			
				TOTAL SUSPENDED SOLIDS			
				VOC (EPA 8260)	X		
				VOC AIR (TO - 15)	X		
				8-ROCA METALS			
				PID/ FID			

Sample Integrity - To be completed by receiving lab.

Method of Shipment: CSTemp. of Temp. Blank: _____ °C On Ice: XCooler seal intact upon receipt: X Yes NoRelinquished By: (signature) Epi Nubia

Time 10:00 Date 9/15/02

Received By: (signature)

Time Date

Received in Laboratory By: Adena Roder

Time: 10:00

Date: 9/14/02

Environmental Lab, Inc.

www.synergy-lab.net

1990 Prospect Ct. • Appleton, WI 54914

920-830-2455 • mrsynergy@wi.twcbe.com

Sample Handling Request

Rush Analysis Date Required:

(Rushes accepted only with prior authorization)

☒ Normal Turn Around

Lab ID: #

QUOTE #:

Project #:

Project (Name / Location):

Reports To:

Company:

Address:

City State Zip:

Phone:

Email:

Collection Date:

Sample ID:

Filtered Y/N:

No. of Containers:

Sample Type (Matrix):

Preservation:

DRD (Mod DRD Sep 95)

GRO (Mod GRO Sep 95)

LEAD

NITRATE/NITRITE

OIL & GREASE

PAH (EPA 8270)

PCB

PVC (EPA 8021)

SULFATE

TOTAL SUSPENDED SOLIDS

VOC DW (EPA 8242)

VOC AIR (TO - 15)

8-PCRA METALS

PID/ FID

Other Analysis

Comments/Special Instructions ("Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge, etc.)

Sample Integrity - To be completed by receiving lab.

Method of Shipment:

Temp. of Temp. Blank: °C On Ice

Cooler seal intact upon receipt: Yes No

Relinquished By: (sign)

Time

Date

Received By: (sign)

Time

Date

Received in Laboratory By: (sign)

Time

Date

ATTACHMENT 4

SUMP WATER LABORATORY ANALYTICAL REPORT

Synergy Environmental Lab, LLC.

1990 Prospect Ct., Appleton, WI 54914 *P 920-830-2455 * F 920-733-0631

ADAM RODER
THE SIGMA GROUP, INC.
1300 W. CANAL STREET
MILWAUKEE, WI 53233

Report Date 03-Aug-22

Project Name FMR SAFEGUARD
Project # 19228

Invoice # E41261

Lab Code 5041261A
Sample ID SUMP-7/29
Sample Matrix Water
Sample Date 7/29/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
cis-1,2-Dichloroethene	< 0.32	ug/l	0.32	1.29	1	8260B		8/2/2022	CJR	1
trans-1,2-Dichloroethene	< 0.5	ug/l	0.5	2.02	1	8260B		8/2/2022	CJR	1
Tetrachloroethene	< 0.47	ug/l	0.47	1.91	1	8260B		8/2/2022	CJR	1
Trichloroethene (TCE)	< 0.38	ug/l	0.38	1.55	1	8260B		8/2/2022	CJR	1
Vinyl Chloride	< 0.15	ug/l	0.15	0.61	1	8260B		8/2/2022	CJR	1
SUR - Toluene-d8	100	RBC %			1	8260B		8/2/2022	CJR	1
SUR - 1,2-Dichloroethane-d4	102	REC %			1	8260B		8/2/2022	CJR	1
SUR - 4-Bromofluorobenzene	94	REC %			1	8260B		8/2/2022	CJR	1
SUR - Dibromofluoromethane	98	REC %			1	8260B		8/2/2022	CJR	1

Project Name FMR SAFEGUARD
Project # 19228

Invoice # E41261

Lab Code 5041261B
Sample ID TRIP BLANK
Sample Matrix Water
Sample Date 7/29/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
cis-1,2-Dichloroethene	< 0.32	ug/l	0.32	1.29	1	8260B		8/2/2022	CJR	1
trans-1,2-Dichloroethene	< 0.5	ug/l	0.5	2.02	1	8260B		8/2/2022	CJR	1
Tetrachloroethene	< 0.47	ug/l	0.47	1.91	1	8260B		8/2/2022	CJR	1
Trichloroethene (TCE)	< 0.38	ug/l	0.38	1.55	1	8260B		8/2/2022	CJR	1
Vinyl Chloride	< 0.15	ug/l	0.15	0.61	1	8260B		8/2/2022	CJR	1
SUR - Toluene-d8	98	REC %			1	8260B		8/2/2022	CJR	1
SUR - 1,2-Dichloroethane-d4	105	REC %			1	8260B		8/2/2022	CJR	1
SUR - 4-Bromofluorobenzene	95	REC %			1	8260B		8/2/2022	CJR	1
SUR - Dibromofluoromethane	104	REC %			1	8260B		8/2/2022	CJR	1

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

Code *Comment*

1 Laboratory QC within limits.

All solid sample results reported on a dry weight basis unless otherwise indicated. All LOD's and LOQ's are adjusted for dilutions but not dry weight. Subcontracted results are denoted by SUB in the analyst field.

Authorized Signature



Lab I.D. #		Invoice	
QUOTE #:		Company	
Project #:	19228	Address	
Sampler: (signature)	<i>K. Baker</i>	City State Zip	
Project (Name / Location):	For Seguard, LLC	Phone	
Reports To:	Adam Roder	Email	

Environmental Lab, Inc.

www.synerqv-lab.net

1990 Prospect Ct. • Appleton, WI 54914

920-830-2455 • mrsynerav@wi.twcbc.com

Sample Handling Request	
Rush Analysis	Date Required: (Rushes accepted only with prior authorization)
☒ Normal Turn Around	

[illegible]

Comments/Special Instructions ("Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge, etc.)

Sample Integrity - To be completed by receiving lab.

Method of Shipment: CS

Temp. of Temp. Blank: _____ °C On Ice: X

Cooler seal intact upon receipt: X Yes ___ No

Relinquished By: (sign)	Time	Date	Received By: (sign)	Time	Date
<u>[Signature]</u>	<u>1:00</u>	<u>7/29/22</u>			
Received in Laboratory By: <u>[Signature]</u>			Time: <u>10:00</u>	Date: <u>7/30/22</u>	

ATTACHMENT 5

INDOOR AIR LABORATORY ANALYTICAL REPORT

8/17/2022

Mr. Adam Roder
The Sigma Group
1300 West Canal Street

Milwaukee WI 53233

Project Name: Fmr Safeguard
Project #: 19228
Workorder #: 2208075

Dear Mr. Adam Roder

The following report includes the data for the above referenced project for sample(s) received on 8/4/2022 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by Passive S.E. WMS are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics LLC. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Jade White at 916-985-1000 if you have any questions regarding the data in this report.

Regards,



Jade White
Project Manager

WORK ORDER #: 2208075

Work Order Summary

CLIENT: Mr. Adam Roder
The Sigma Group
1300 West Canal Street
Milwaukee, WI 53233

BILL TO: Mr. Adam Roder
The Sigma Group
1300 West Canal Street
Milwaukee, WI 53233

PHONE: 414.643.4134

P.O. # 19228

FAX:

PROJECT # 19228 Fmr Safeguard

DATE RECEIVED: 08/04/2022

CONTACT: Jade White

DATE COMPLETED: 08/17/2022

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>
01A	Sump	Passive S.E. WMS
02A	West Wall	Passive S.E. WMS
03A	Trip Blank	Passive S.E. WMS
04A	Lab Blank	Passive S.E. WMS
05A	CCV	Passive S.E. WMS
06A	LCS	Passive S.E. WMS
06AA	LCSD	Passive S.E. WMS

CERTIFIED BY:



Technical Director

DATE: 08/17/22

Certification numbers: AZ Licensure AZ0775, FL NELAP – E87680, LA NELAP – 02089, NH NELAP - 209221, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-21-17, UT NELAP – CA009332021-13, VA NELAP - 10615, WA NELAP - C935

Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)

Accreditation number: CA300005-015, Effective date: 10/18/2021, Expiration date: 10/17/2022.

Eurofins Air Toxics, LLC certifies that the test results contained in this report meet all requirements of the NELAC standards

This report shall not be reproduced, except in full, without the written approval of Eurofins Air Toxics, LLC.

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630

(916) 985-1000 . (800) 985-5955 . FAX (916) 351-8279

LABORATORY NARRATIVE
WMS Passive SE by Mod EPA TO-17
The Sigma Group
Workorder# 2208075

Three WMS-SE samples were received on August 04, 2022. The laboratory analyzed the charcoal sorbent bed of the passive sampler following modified method EPA TO-17. The VOCs were chemically extracted using carbon disulfide and an aliquot of the extract was injected into a GC/MS for identification and quantification of volatile organic compounds (VOCs).

The mass of each target compound adsorbed by the sampler was converted to units of concentration using the sample deployment time and the sampling rate for each VOC. If sampling rates were calculated by the lab or the manufacturer, the concentration result has been flagged as an estimated value. Results are not corrected for desorption efficiency.

Please note that 1,1,2,2-Tetrachloroethane (1,1,2,2-PCA) can degrade into Trichloroethene (TCE) during storage on the charcoal-based sorbent used in the WMS device. Samples containing 1,1,2,2-PCA may yield reduced concentrations of 1,1,2,2-PCA and elevated concentrations of TCE.

The reference method used for this procedure is EPA TO-17, which describes the collection of VOCs in ambient air using sorbents and analysis by GC/MS. Because TO-17 describes active sample collection using a pump and thermal desorption as the preparation step, several modifications are required. Modifications to TO-17 are listed in the table below:

<i>Requirement</i>	<i>TO-17</i>	<i>ATL Modifications</i>
Sample Collection	Pump pulls measured air volume through sorbent tube	VOCs in air adsorbed onto sorbent bed passively through diffusion
Sample Preparation	Thermal extraction	Solvent extraction
Sorbent tube conditioning	Condition newly packed tubes prior to use	Charcoal-based sorbent is a single use media and conditioning is conducted by vendor.
Instrumentation	Thermal desorption introduction system	Liquid injection introduction system
Internal Standard	Gas-phase internal standard introduced on the tube or focusing trap during analysis	Liquid-phase internal standard introduced on the tube at the time of extraction
Media and sample storage	<4 deg C, 30 days	Media shelf life is determined by vendor; sample hold-time is 6 months for the RAD130 and WMS. Sample preservation requirements are storage in a cool, solvent-free refrigerator and optional use of ice during shipping.
Internal Standard Recovery	+/-40% of daily CCV area	-50% to +100% of daily CCV area

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

To calculate ug/m3 concentrations in the Lab Blank, a sampling duration of 31400 minutes was applied.

Definition of Data Qualifying Flags

Ten qualifiers may have been used on the data analysis sheets and indicate as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit.

UJ - Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

C - Estimated concentration due to calculated sampling rate

CN - See case narrative explanation.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue



Air Toxics

**Summary of Detected Compounds
VOC BY PASSIVE SAMPLER - GC/MS**

Client Sample ID: Sump

Lab ID#: 2208075-01A

No Detections Were Found.

Client Sample ID: West Wall

Lab ID#: 2208075-02A

No Detections Were Found.

Client Sample ID: Trip Blank

Lab ID#: 2208075-03A

No Detections Were Found.



Air Toxics

Client Sample ID: Sump

Lab ID#: 2208075-01A

VOC BY PASSIVE SAMPLER - GC/MS

File Name: c080819sim
Dil. Factor: 1.00

Date of Collection: 7/29/22 5:50:00 AM
Date of Analysis: 8/8/22 04:34 PM
Date of Extraction: 8/8/22

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Vinyl Chloride	0.20	5.3	Not Detected	Not Detected
trans-1,2-Dichloroethene	0.10	2.0	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.050	0.84	Not Detected	Not Detected
Trichloroethene	0.050	0.61	Not Detected	Not Detected
Tetrachloroethene	0.050	0.41	Not Detected	Not Detected

Temperature = 77.0F , duration time = 31385 minutes.

Container Type: WMS-SE

Surrogates	%Recovery	Method Limits
Toluene-d8	96	70-130



Air Toxics

Client Sample ID: West Wall

Lab ID#: 2208075-02A

VOC BY PASSIVE SAMPLER - GC/MS

File Name:	c080820sim	Date of Collection: 7/29/22 5:50:00 AM
Dil. Factor:	1.00	Date of Analysis: 8/8/22 05:01 PM
		Date of Extraction: 8/8/22

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Vinyl Chloride	0.20	5.3	Not Detected	Not Detected
trans-1,2-Dichloroethene	0.10	2.0	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.050	0.84	Not Detected	Not Detected
Trichloroethene	0.050	0.61	Not Detected	Not Detected
Tetrachloroethene	0.050	0.41	Not Detected	Not Detected

Temperature = 77.0F , duration time = 31400 minutes.

Container Type: WMS-SE

Surrogates	%Recovery	Method Limits
Toluene-d8	95	70-130



Air Toxics

Client Sample ID: Trip Blank

Lab ID#: 2208075-03A

VOC BY PASSIVE SAMPLER - GC/MS

File Name: c080821sim
Dil. Factor: 1.00

Date of Collection: 7/29/22 5:50:00 AM
Date of Analysis: 8/8/22 05:28 PM
Date of Extraction: 8/8/22

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Vinyl Chloride	0.20	5.3	Not Detected	Not Detected
trans-1,2-Dichloroethene	0.10	2.0	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.050	0.84	Not Detected	Not Detected
Trichloroethene	0.050	0.61	Not Detected	Not Detected
Tetrachloroethene	0.050	0.41	Not Detected	Not Detected

Temperature = 77.0F , duration time = 31400 minutes.

Container Type: WMS-SE

Surrogates	%Recovery	Method Limits
Toluene-d8	95	70-130



Air Toxics

Client Sample ID: Lab Blank

Lab ID#: 2208075-04A

VOC BY PASSIVE SAMPLER - GC/MS

File Name:	c080805sim	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 8/8/22 09:49 AM
		Date of Extraction: 8/8/22

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Vinyl Chloride	0.20	5.3	Not Detected	Not Detected
trans-1,2-Dichloroethene	0.10	2.0	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.050	0.84	Not Detected	Not Detected
Trichloroethene	0.050	0.61	Not Detected	Not Detected
Tetrachloroethene	0.050	0.41	Not Detected	Not Detected

Temperature = 77.0F , duration time = 31400 minutes.

Container Type: WMS-SE

Surrogates	%Recovery	Method Limits
Toluene-d8	95	70-130



Air Toxics

Client Sample ID: CCV

Lab ID#: 2208075-05A

VOC BY PASSIVE SAMPLER - GC/MS

File Name:	c080802sim	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 8/8/22 08:24 AM
		Date of Extraction: NA

Compound	%Recovery
Vinyl Chloride	105
trans-1,2-Dichloroethene	88
cis-1,2-Dichloroethene	83
Trichloroethene	92
Tetrachloroethene	92

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	94	70-130



Air Toxics

Client Sample ID: LCS

Lab ID#: 2208075-06A

VOC BY PASSIVE SAMPLER - GC/MS

File Name: c080803sim
Dil. Factor: 1.00

Date of Collection: NA
Date of Analysis: 8/8/22 08:55 AM
Date of Extraction: 8/8/22

Compound	%Recovery	Method Limits
Vinyl Chloride	110	50-140
trans-1,2-Dichloroethene	84	70-130
cis-1,2-Dichloroethene	79	70-130
Trichloroethene	94	70-130
Tetrachloroethene	91	70-130

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	95	70-130



Air Toxics

Client Sample ID: LCSD

Lab ID#: 2208075-06AA

VOC BY PASSIVE SAMPLER - GC/MS

File Name: c080804sim
Dil. Factor: 1.00

Date of Collection: NA
Date of Analysis: 8/8/22 09:21 AM
Date of Extraction: 8/8/22

Compound	%Recovery	Method Limits
Vinyl Chloride	95	50-140
trans-1,2-Dichloroethene	78	70-130
cis-1,2-Dichloroethene	74	70-130
Trichloroethene	92	70-130
Tetrachloroethene	92	70-130

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	95	70-130

DATE: December 28th, 2022
TO: Committee of the Whole
FROM: Rebecca Bays
RE: Hunter Security Cameras for Senior Center

Background:

There are two major reasons for the need to have cameras installed. The first reason is for liability and safety purposes. The Center has been broken into before. We hope that it does not happen again, but that is unrealistic thinking. Having security cameras in place would help catch the individual or individuals who are responsible for the break in.

An additional liability and safety reason is because of the seniors themselves. Accidents happen. People trip and fall. In some instances these falls can be detrimental to the individuals' lives and they do not recover from them well. We serve the senior population. The risk of falls increases drastically even though we take every precaution possible at the Senior Center to prevent falls. In the past, we have had seniors fall and injury themselves quite badly.

The second reason we would like to install security cameras is so that we can rent the facility out again. The Senior Center has a lot of equipment that is worth thousands of dollars such as pool tables, kitchen equipment, and electronics. In the past, when the building has been rented out, there have been damages to the equipment and the property, but we have been unable to ask for compensation from the renting group because we cannot prove it. The cameras would give the extra security to hopefully prevent these events from happening but give us a backup if they do. The current deposit fee for renting the Senior Center is \$50.00.

In conclusion, installing cameras at the Senior Center is a great idea. They will provide the City and the Center a safety net for when the inevitable unfortunate event happens.

Recommendation: Accept Committee on Aging recommendation to use ARPA funds to install the security cameras from Hunter Security.



HUNTER
SECURITY & SURVEILLANCE SYSTEMS LLC

Hunter Security & Surveillance Systems
W7537 Molly Marie Court
Greenville, WI 54942
E-mail: Matthunter@huntersurveillance.com
Web: Huntersurveillance.com
Facebook: [Facebook.com/HunterSurveillance](https://www.facebook.com/HunterSurveillance)

Proposal

Date	Estimate #
11/9/2022	14708

Name / Address
CITY OF BERLIN 108 N. Capron St. Berlin, WI 54923

Terms	PROJECT
Net 30	SENIOR CENTER

Description	Qty	Rate	Total
**** SENIOR CENTER ****			
-- HEAD-END EQUIPMENT --			
4 SPACE HINGED PANEL WALL MOUNT, ADJUSTABLE DEPTH, 9-15" DEEP	1	128.74	128.74
24 PORT CAT6 HIPER LINK PATCH PANEL	1	131.88	131.88
8 PORT GIG POE+/ 2(GIG-SFP), 130 WATTS	1	371.24	371.24
1-FT CAT6 PATCH CABLE WHITE	7	1.99857	13.99
PATCH CORD, CAT 6, MOLDED BOOT, 3' WHITE	1	2.84	2.84
UPS 750VA 5-BAT/5-SURGE LCD,	1	145.32	145.32
1 SPACE UNIT SHELF	1	37.49	37.49
XPROTECT EXPERT CHANNEL LICENSE	7	246.75	1,727.25
SLC: M01-C02-223-01-6C429D			
5 YEAR CARE PLUS FOR XPROTECT EXPERT DEVICE	7	148.75	1,041.25
SLC: M01-C02-223-01-6C429D			
-- CAMERA EQUIPMENT --			
M3058-PLVE 12MP 360 /180 FIXED DOME, DAY / NIGHT WITH IR (CAMERA 1)	1	774.99	774.99
M2035-LE Bullet Camera, HDTV 1080p, Analytics with deep learning (CAMERA 2, 3)	2	346.24	692.48
M3068-P Network camera, 12 MP mini dome with 360° panoramic view (CAMERA 4, 6)	2	611.24	1,222.48
M3085-V Dome Camera, Fixed 2 MP mini dome with deep learning (CAMERA 5, 7)	2	273.74	547.48
64GB MICRO SD / XC CLASS 10 CARD	7	36.23714	253.66
CAT 6 CABLE WHITE 1000' REAL IN BOX	2	233.415	466.83
CAT5 CONNECTOR FOR NETWORKS	7	2.01	14.07
MISCELLANEOUS ITEMS (WIRE MILD, BRIDAL RINGS, BOXES AND COVERS)	1	53.23	53.23
TRAVEL TIME TO AND FROM EACH OF THE CUSTOMERS LOCATION.	3	65.00	195.00
COST TO PULL WIRE IN A COMMERCIAL SIZE BUILDING	8	95.00	760.00
INSTALLATION AND PROGRAMMING COST FOR COMMERCIAL JOBS	14	95.00	1,330.00
TRAINING COST FOR COMMERCIAL JOBS	1	95.00	95.00
cost to drive to and from job site	180	0.45	81.00

I look forward to working with you.

Subtotal

Sales Tax (0.0%)

Total

Keeping You Safe and Secure

N1811 Reimer Drive Greenville, WI 54942 P:(920) 202-3607 C:(608) 469-6463 Email: matthunter@huntersurveillance.com



HUNTER
SECURITY & SURVEILLANCE SYSTEMS LLC

Hunter Security & Surveillance Systems

W7537 Molly Marie Court
Greenville, WI 54942

E-mail: Matthunter@huntersurveillance.com

Web: Huntersurveillance.com

Facebook: [Facebook.com/HunterSurveillance](https://www.facebook.com/HunterSurveillance)

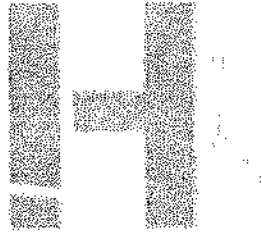
Proposal

Date	Estimate #
11/9/2022	14708

Name / Address

CITY OF BERLIN
108 N. Capron St.
Berlin, WI 54923

Terms	PROJECT
Net 30	SENIOR CENTER

Description	Qty	Rate	Total
NOTE: - 120VAC REQUIRED AT ALL HEAD END LOCATIONS. - INTERNET REQUIRED AT MAIN OFFICE FOR OFFSITE VIEWING - ALL CABLES TO BE INSTALLED IN BRIDAL RING RACEWAY. - PROPOSAL GOOD FOR 30 DAYS.  HUNTER SECURITY & SURVEILLANCE SYSTEMS LLC			
I look forward to working with you.			
Subtotal			\$10,086.22
Sales Tax (0.0%)			\$0.00
Total			\$10,086.22

Keeping You Safe and Secure

N1811 Reimer Drive Greenville, WI 54942 P:(920) 202-3607 C:(608) 469-6463 Email: matthunter@huntersurveillance.com



Hunter Security & Surveillance Systems
W7537 Molly Marie Court
Greenville, WI 54942
E-mail: Matthunter@huntersurveillance.com
Web: Huntersurveillance.com
Facebook: [Facebook.com/HunterSurveillance](https://www.facebook.com/HunterSurveillance)

Proposal

Date	Estimate #
12/12/2022	14772

Name / Address
CITY OF BERLIN 108 N. Capron St. Berlin, WI 54923

Terms	PROJECT
Net 30	POOL ADD ON CAMERAS

Description	Qty	Rate	Total
**** POOL ADD ON CAMERAS ****			
-- HEAD-END EQUIPMENT --			
4 SPACE HINGED PANEL WALL MOUNT, ADJUSTABLE DEPTH, 9-15" DEEP	1	128.74	128.74
24 PORT CAT6 HIPER LINK PATCH PANEL	1	131.88	131.88
8 PORT GIG POE+/ 2(GIG-SFP), 130 WATTS	1	371.24	371.24
1-FT CAT6 PATCH CABLE WHITE	3	2.00	6.00
UPS 750VA 5-BAT/5-SURGE LCD,	1	145.32	145.32
1 SPACE UNIT SHELF	1	37.49	37.49
XPROTECT EXPERT CHANNEL LICENSE	1	246.75	246.75
SLC: M01-C02-223-01-6C429D			
5 YEAR CARE PLUS FOR XPROTECT EXPERT DEVICE	1	148.75	148.75
SLC: M01-C02-223-01-6C429D			
-- CAMERA EQUIPMENT --			
M2035-LE Bullet Camera, HDTV 1080p, Analytics with deep learning (CAMERA 5)	1	346.24	346.24
64GB MICRO SD / XC CLASS 10 CARD	1	36.24	36.24
CAT 6 CABLE WHITE 1000' REAL IN BOX	1	233.41	233.41
CAT5 CONNECTOR FOR NETWORKS	6	2.01	12.06
MISCELLANEOUS ITEMS (WIRE MILD-BRIDAL RINGS, BOXES AND COVERS)	1	53.23	53.23
-- WIRELESS EQUIPMENT --			
5GHZ LITEBEAM AC GEN2 23DBI US	2	93.75	187.50
SURGE PROTECTION- RJ	2	97.50	195.00
10 pack Universal Antenna Mount	1	87.50	87.50
CAT5 CONNECTOR FOR NETWORKS	8	2.01	16.08
TRAVEL TIME TO AND FROM EACH OF THE CUSTOMERS LOCATION.	3	65.00	195.00
COST TO PULL WIRE IN A COMMERCIAL SIZE BUILDING	3	95.00	285.00
INSTALLATION AND PROGRAMMING COST FOR COMMERCIAL JOBS	6	95.00	570.00

I look forward to working with you.

Subtotal

Sales Tax (0.0%)

Total

Keeping You Safe and Secure

N1811 Reimer Drive Greenville, WI 54942 P: (920) 202-3607 C: (608) 469-6463 Email: matthunter@huntersurveillance.com



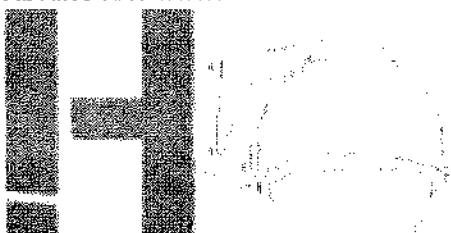
Hunter Security & Surveillance Systems
W7537 Molly Marie Court
Greenville, WI 54942
E-mail: Matthunter@huntersurveillance.com
Web: Huntersurveillance.com
Facebook: [Facebook.com/HunterSurveillance](https://www.facebook.com/HunterSurveillance)

Proposal

Date	Estimate #
12/12/2022	14772

Name / Address
CITY OF BERLIN 108 N. Capron St. Berlin, WI 54923

Terms	PROJECT
Net 30	POOL ADD ON CAMERAS

Description	Qty	Rate	Total
cost to drive to and from job site	180	0.45	81.00
NOTE: - 120VAC REQUIRED AT ALL HEAD END LOCATIONS. - INTERNET REQUIRED AT MAIN OFFICE FOR OFFSITE VIEWING - ALL CABLES TO BE INSTALLED IN BRIDAL RING RACEWAY. - PROPOSAL GOOD FOR 30 DAYS.			
 HUNTER SECURITY & SURVEILLANCE SYSTEMS, LLC			

I look forward to working with you.	Subtotal	\$3,514.43
	Sales Tax (0.0%)	\$0.00
	Total	\$3,514.43

Keeping You Safe and Secure

N1811 Reimer Drive Greenville, WI 54942 P: (920) 202-3607 C: (608) 469-6463 Email: matthunter@huntersurveillance.com

To: Committee of the Whole

Date: December 29, 2022

RE: Uncontrolled Intersections & More

From: Scott Zabel, Chief Brian Pulvermacher, and City Admin Sara Rutkowski

BACKGROUND:

Staff is aware of several intersections within the community that are uncontrolled and several others that have signs but are deemed dangerous. Attached is a list of staff suggested changes to intersections within the community. Data was pulled from crash statistics, staffs own awareness from past issues, and members of the public's issues.

Staff recognizes that not all intersections that have issues or that are uncontrolled are addressed in this list. This list is meant to be a starting point for the community. We do not want to overwhelm the public with too many changes, which is why the list would be implemented slowly. Staff would ask for Council's assistance in informing the public of the upcoming changes to make sure every is safe and aware on the roads. Staff will do what we can to help mitigate any issues, including flagging any areas with new signs.

Staff has a PowerPoint with intersection pictures if Council is not aware of any intersection listed.

RECOMMENDATION: Recommend to Common Council to approve staff recommended intersections changes and draft ordinance changes for Common Council meeting as needed.

Staff Suggested Changes:

W. Berlin St. & Water St. – replace yield with a stop.

W. Liberty St. & Water St. – replace yield with a stop.

W. Noyes St. & N. Capron St. -replace yield signs with stop signs.

W. Noyes St. & Water St. – replace yield sign with a stop sign.

W. Noyes St. & Frontier St. – install a stop sign on W. Noyes St. (north bound).

W. Moore St. & Frontier St. – install stop signs on W. Moore St. (currently uncontrolled).

N. Capron & W. Cumberland – replace yield with a stop.

W. Cumberland & River Drive – replace yield with a stop.

N. Capron & River Drive – replace yield with a stop.

Center St. – replace all side street yield signs with stop signs (6).

N. Adams Ave. & E. Moore – install stop sign.

N. State & E. Moore – install stop sign.

N. Swetting & E. Moore – install stop sign.

E. Cumberland & Sacramento – install stop sign.

Sumner, E. Moore & Bates intersection – option 1 – open E. Moore (currently has stop signs) and install stop signs on Sumner & Bates (currently not controlled).

Option 2 – make a four way stop.

June St. & Leffert St. – install stop sign on June prior to Leffert. Replace yield sign with a stop. Remove stop sign on the wedge of Ripon Rd., June & Leffert.

S. Wisconsin & Union – replace yield signs with stop signs.

S. Adams & Union – replace yield signs with stop signs.

S. Washington & Canal – replace yield with a stop.

S. Brooklyn & Canal – install stop signs on S. Brooklyn (currently uncontrolled).

N. Hunter & Seward St. – install a stop sign (currently uncontrolled).

N.W. Cumberland & Jasmine – install a stop sign (currently uncontrolled).

Jackson St. & Seward St. – install stop signs on Seward St. (currently uncontrolled).

Jackson St. & Lafayette St. – install stop signs on Lafayette St. (currently uncontrolled).

Jackson St. & Webster St. – install stop signs on Jackson St. (currently uncontrolled).

Webster St. & N. Kossuth St. – replace yield signs with stop signs.

Jackson St. & N.W. Cumberland St. -replace the yield with a stop.

Cost per stop sign is \$95.00 plus shipping.

Cost per channel post \$65.00 plus shipping.

41 new stop signs needed = \$3,895.00

19 additional channel posts needed = \$1,235.00

To: Common Council
Date: December 29, 2022
RE: Levy Referendum Resolution
From: City Administrator

Possible Options for Referendum Questions:

Option 1: Increase for \$100K

"Under state law, the increase in the levy of the City of Berlin for the tax to be imposed for the next fiscal year, 2023, is limited to 0.28%, which results in a levy of \$2,108,015. Shall the City of Berlin be allowed to exceed this limit and increase the levy for the next fiscal year, 2023, for the purpose of (see below), by a total of 4.74%, which results in a levy of \$2,208,015, and on an ongoing basis, include the increase of \$100,000 for each fiscal year going forward?"

Option 2: Increase for \$200K

"Under state law, the increase in the levy of the City of Berlin for the tax to be imposed for the next fiscal year, 2023, is limited to 0.28%, which results in a levy of \$2,108,015. Shall the City of Berlin be allowed to exceed this limit and increase the levy for the next fiscal year, 2023, for the purpose of _____, by a total of 9.49%, which results in a levy of \$2,308,015, and on an ongoing basis, include the increase of \$200,000 for each fiscal year going forward?"

Option 3: Increase for \$300K

"Under state law, the increase in the levy of the City of Berlin for the tax to be imposed for the next fiscal year, 2023, is limited to 0.28%, which results in a levy of \$2,108,015. Shall the City of Berlin be allowed to exceed this limit and increase the levy for the next fiscal year, 2023, for the purpose of _____, by a total of 14.23%, which results in a levy of \$2,408,015, and on an ongoing basis, include the increase of \$300,000 for each fiscal year going forward?"

Option 4: Increase for \$400K

"Under state law, the increase in the levy of the City of Berlin for the tax to be imposed for the next fiscal year, 2023, is limited to 0.28%, which results in a levy of \$2,108,015. Shall the City of Berlin be allowed to exceed this limit and increase the levy for the next fiscal year, 2023, for the purpose of _____, by a total of 18.98%, which results in a levy of \$2,508,015, and on an ongoing basis, include the increase of \$400,000 for each fiscal year going forward?"

PURPOSE OPTIONS:

"For the purpose of maintaining public safety services, accomplishing critical street maintenance projects, and maintaining economic development staffing"

"for the purpose of maintaining police and fire department services, paying for critical street maintenance, and maintaining economic development staffing"

OR

"for the purpose of maintaining police and fire department services and paying for critical street maintenance."



RESOLUTION #23-01

A RESOLUTION OF THE COMMON COUNCIL OF THE CITY OF BERLIN, WISCONSIN
TO EXCEED THE STATE IMPOSED LEVY LIMIT

WHEREAS, the State of Wisconsin has imposed limits on town, village, city and county tax levies under Wis. Stat. sec. 66.0602; and

WHEREAS, the Wis. Stat. sec. 66.0602 limits the increase in 2023 to the local property tax levy to no more than the greater of (a) 0% of last year's actual levy or (b) a percentage equal to the percentage change in equalized value due to net new construction less improvements removed; which for the City of Berlin is estimated to be _____ percent; and

WHEREAS, the Common Council of the City of Berlin, Green Lake & Waushara Counties believes it is in the City's best interest to exceed the state levy limit as described above by a greater percentage than _____ for the purpose of _____.

The Common Council of the City of Berlin directs that the question of increasing the city tax levy for 2023 (to be collected in 2024) by _____ percent, which would increase the city levy by \$_____ over the past year's levy, for a city tax levy of \$_____, the increase to be used for _____ shall be submitted to the electors in a special referendum election to be held on Tuesday, April 4th, 2023.

PASSED, ADOPTED, AND APPROVED, this _____ day of _____ 20____.

Roll Call Vote:

____ Ayes
____ Nays
____ Absent

CITY OF BERLIN

Joel Bruessel, Mayor

Approved as to form:

Attest:

City Attorney

Sara Rutkowski, City Clerk