



AGENDA OF THE ECONOMIC DEVELOPMENT AUTHORITY

MONDAY, MARCH 7, 2022, 5:00 PM
Virtual Meeting. Public may join via Zoom.

A. Zoom Meeting Information.

- I. This item contains Zoom information, instructions, and a link to the Virtual Comment Form.

B. Roll Call.

- I. Members: Michael Peot - Chair, Tara Yang - Vice-Chair, Ald. Brian Johnson, John Calewarts, Glen Sherman, Ace Champion and Christopher Garcia

C. Approval of the Agenda.

- I. Approval of the agenda for the March 7, 2022, meeting of the Economic Development Authority.

D. Approval of Minutes.

- I. Approval of the minutes from the February 7, 2022, meeting of the Economic Development Authority.

E. Regular Business.

- I. Consideration with possible action on a term sheet proposal for the development of City-owned parcels 21-22, 21-24 and 21-189.

The Authority may convene in closed session pursuant to Sections 19.85(1)(e), Wis. Stats., for purposes of deliberating or negotiating the sale of public properties, investing of public funds or conducting other specified public business as necessary for competitive or bargaining reasons, and Section 19.85(1) (g), Wis. Stats., for the purpose of conferring with legal counsel for the governmental body who is rendering oral or written advice concerning strategy to be adopted by the body with respect to litigation in which it is or is likely to become involved. The Authority will thereafter reconvene in open session pursuant to Section 19.85(2), Wis. Stats., to take action on items discussed in closed session, if appropriate, and to consider the remainder of the agenda.

F. Informational.

- I. Staff update on brownfield programs.

2. Director's Report.
3. Date of next meeting: April 4, 2022

G. Adjournment.

- 1) THIS MEETING IS RECORDED: THE VIDEO OF THIS MEETING AND MINUTES ARE AVAILABLE ONLINE AT www.greenbaywi.gov
- 2) ACCESSIBILITY: Any person wishing to attend who requires special accommodation because of a disability, should contact the City Safety Manager at 920-448-3125 at least 48 hours before the scheduled meeting time so that arrangements can be made.
- 3) QUORUM: Please take notice that a majority or quorum of the Common Council will attend this Economic Development Authority meeting and will constitute a meeting of the Common Council for purposes of discussion and information gathering relative to this agenda.
- 4) REPRESENTATION: The party requesting the communication, or their representative, should be present at this meeting.

Virtual Meeting Instructions



Economic Development Authority

Zoom Meeting Information

Join Zoom Meeting

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Meeting ID: 835 7457 9318

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Public Comments

If you wish to speak at this public meeting or leave a comment, please fill out the online [Comment Form](#) prior to the meeting.

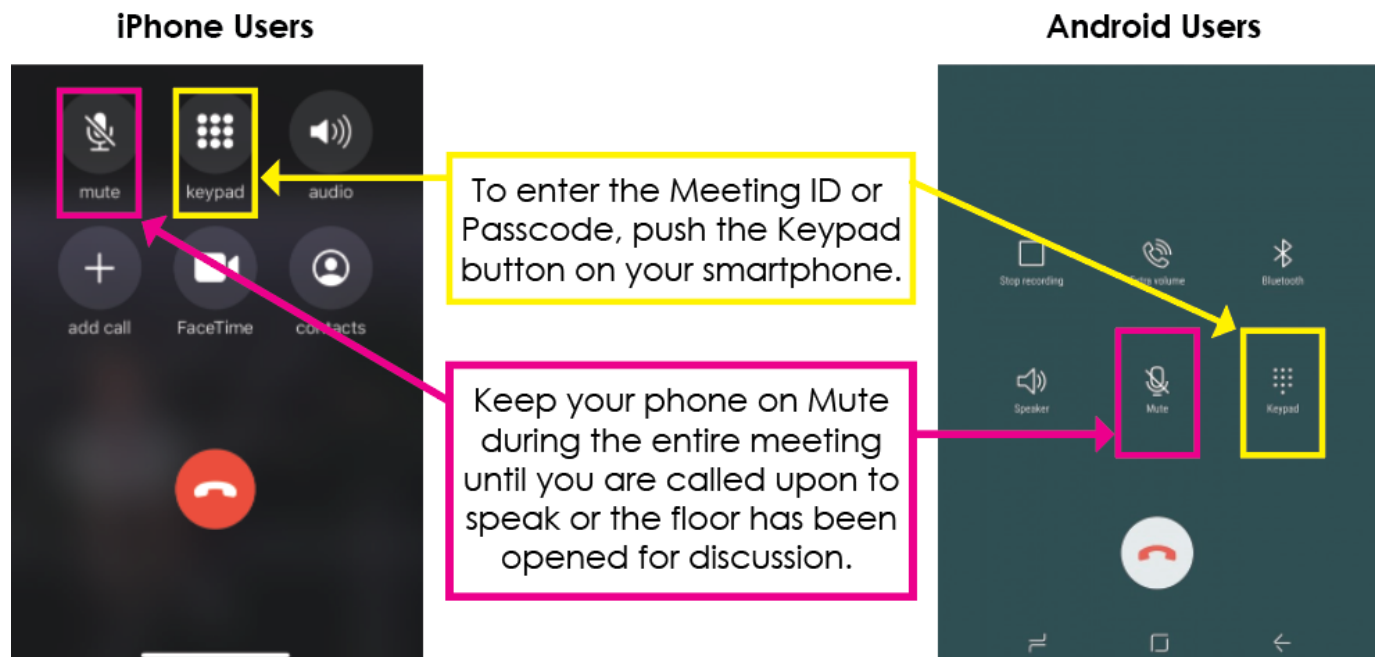
Additional Information

1. Wisconsin Open Meetings Law still applies
 - a. Persons interested in speaking to an item must state their name and address for the minutes.
 - b. Committee/Commission/Board members will still follow *Roberts Rules of Order Newly Revised 12th edition*.
2. Please log into the Zoom meeting at least 10 minutes before the meeting begins to ensure a proper connection and that your technology is working.
 - a. If you are a Board Member, please log into [CivicClerk](#) with a computer, laptop, or tablet device.
3. Once you are in the meeting please mute yourself.
 - a. You may unmute yourself when you are called upon to speak.
4. Waiting room
 - a. When you call in or connect via web or Zoom app, you will be placed in a "waiting room."
 - b. The meeting host will then admit you to the meeting, and mute you upon entrance (you will still be able to hear and or otherwise observe the meeting).
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 - b. If you're using a phone, your registration will be tied to an email.
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 - a. Committee/Commission/Board members—you can either use CivicClerk and request to speak or you can also utilize the "raise your hand" tool in the Zoom platform (you'd need to use a computer or tablet) to let the host know you would like to speak. You can also un-mute yourself and start speaking.
 - b. Persons with items on the agenda or other interested parties—you can also utilize the "raise your hand" tool on the Zoom platform via computer or mobile device. You will be allowed to speak once the committee, commission, or board has moved to "open the floor for interested parties to speak." Once discussion on your agenda item has concluded, the host will mute you, unless the committee opens the floor again.
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 - b. Land line
 - c. Tablet—in advance of the meeting, please download the Zoom Meeting app by using either the Apple Store or the Play Store. You will be asked to input your name, to identify you for the meeting.
 - d. Computer—you can access the meeting through a web browser by clicking on the meeting link, or through the Zoom Meeting app. If using the app, please download it in advance of the meeting. You will be asked to input your name, to identify yourself for the meeting.
 - e. For tablet and computer users—if you download the app you may be asked to verify your email.

8. Zoom etiquette
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 - b. If you're using a telephone, please identify yourself with your phone number and state your name and address before you speak. Zoom meeting hosts can see only your telephone number and will ask you to identify yourself.
9. Closed session
 - a. Persons in the Zoom meeting will be put into a waiting room while the committee/commission/board meets in Closed Session. Participants will be admitted back into the Zoom meeting once the committee reconvenes in Open Session.
 - b. Persons watching a Common Council meeting live on YouTube will see a gray screen with the City logo during closed session.
10. Persons interested in attending anonymously or listening to the meeting may call in by dialing *67 followed by the phone number in the Zoom Meeting Information box.

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2. When prompted, enter the Meeting ID number followed by #
3. Once you are in the meeting, notify the meeting host that you are in and state your name.
4. If you do not wish to speak, please make sure your phone is on **Mute**
 - a. If you're using a smartphone, look at your screen and click the Mute button





Report to the
Economic Development Authority
of the City of Green Bay

MEETING DATE

March 7, 2022

PREPARED BY

Wendy Townsend, Economic Coordinator

AGENDA ITEM # E.1

Consideration with possible action on a term sheet proposal for the development of City-owned parcels 21-22, 21-24 and 21-189.

The Authority may convene in closed session pursuant to Sections 19.85(1)(e), Wis. Stats., for purposes of deliberating or negotiating the sale of public properties, investing of public funds or conducting other specified public business as necessary for competitive or bargaining reasons, and Section 19.85(1)(g), Wis. Stats., for the purpose of conferring with legal counsel for the governmental body who is rendering oral or written advice concerning strategy to be adopted by the body with respect to litigation in which it is or is likely to become involved. The Authority will thereafter reconvene in open session pursuant to Section 19.85(2), Wis. Stats., to take action on items discussed in closed session, if appropriate, and to consider the remainder of the agenda.

BACKGROUND

The City of Green Bay purchased parcels 21-22, 21-24 and 21-189 in 2007, in anticipation of future growth for I-43 and East Mason Industrial Park. The Community and Economic Development Department has received a term sheet for an industrial development project on these City-owned parcels.

RECOMMENDATION

Direct staff to proceed with preparing a formal development agreement and purchase agreement as directed in closed session.

FISCAL IMPACT

ATTACHMENTS

1. DelineatedWetland
2. FINAL_finger road parcels_phase_I_ESA_2021.11
3. Final_finger_road_Phase_II_20220224_wAttachments
4. Carnivore term sheet



**Phase I Environmental Site Assessment
East Mason Street/Finger Road Parcels
Green Bay, Wisconsin**

Prepared for:

City of Green Bay
100 N Jefferson Street
Green Bay, WI 54301

Prepared by:

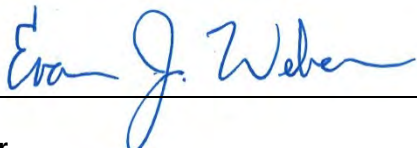
Stantec Consulting Services
Inc.
1165 Scheuring Road
De Pere, WI 54115

November 19, 2021
Project No.: 193708667

Sign-off Sheet and Signatures of Environmental Professionals

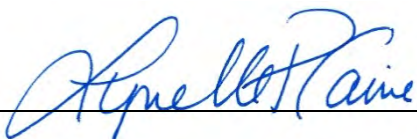
This document entitled Phase I Environmental Site Assessment, East Mason Street/Finger Road Parcels, Green Bay, Wisconsin was prepared by Stantec Consulting Services Inc. ("Stantec") for the account of the City of Green Bay (the "Client", the "City"). Any reliance on this document by any third party is strictly prohibited. The material in it reflects Stantec's professional judgment in light of the scope, schedule and other limitations stated in the document and in the contract between Stantec and the Client. The opinions in the document are based on conditions and information existing at the time the document was published and do not take into account any subsequent changes. In preparing the document, Stantec did not verify information supplied to it by others. Any use which a third party makes of this document is the responsibility of such third party. Such third party agrees that Stantec shall not be responsible for costs or damages of any kind, if any, suffered by it or any other third party as a result of decisions made or actions taken based on this document.

All information, conclusions, and recommendations provided by Stantec in this document regarding the Phase I ESA have been prepared under the supervision of and reviewed by the professionals whose signatures appear below.

Author: 

Evan J. Weber
Environmental Scientist

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in § 312.10 of 40 CFR 312. I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the Property. I have developed and performed all the appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Quality Reviewer: 

Lynelle P. Caine
Associate

Independent Reviewer: 

Stu Gross, PG
Associate

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1.0 SUMMARY

Stantec Consulting Services Inc, (Stantec) completed a Phase I Environmental Site Assessment (ESA) of the parcels located at 3714, 3760 East Mason Street and 3731 Finger Road (parcels 21-189, 21-189-1, 21-22, and 21-24, respectively) in the City of Green Bay, Wisconsin (herein referred to as "the Property") on behalf of the City of Green Bay (the "Client" or "City"). The City of Green Bay (the "User") has been designated as the User of this report.

The Phase I ESA was conducted in conformance with the requirements of ASTM Designation E 1527-13, except as may have been modified by the scope of work and terms and conditions, requested by the Client. Any exceptions to, or deletions from, the ASTM practice are described in Section 2.3.

The Property consists of four parcels totaling approximately 47.8-acres occupied by a single vacant barn and agricultural fields in the eastern portion of Green Bay. Historic documents show the Property has consisted of residential and agricultural use from as early as the 1930s. Surrounding parcels are also utilized for residential and agricultural use. A Property location map is illustrated on Figure 1. A Property map illustrating the main features of the Property is provided as Figure 2. Photographs taken during the site reconnaissance visit are provided in **Appendix A**.

We have performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E1527-13 of four parcels of land in Green Bay, Wisconsin (parcels 21-22, 21-24, 21-189, and 21-189-1), the Property. Any exceptions to, or deletions from, this practice are described in Data Gaps section of this report. This assessment has revealed no evidence of recognized environmental conditions (RECs) in connection with the Property except for the following:

- The historical presence of a UST storing gasoline on the Property with no information regarding releases or environmental assessment at closure;
- The potential presence of undocumented fill or demolition debris used to backfill basements of razed structures; and
- The presence of undocumented fill used to backfill a former pond on the Property.

Stantec also identified the following business environmental risk associated with the Property:

- The potential presence of ACM or LBP associated with the barn.

Based on Stantec's observations and the identified RECs, it is recommended that a Phase II ESA be conducted at the Property. The preceding summary is intended for informational purposes only. Reading of the full body of this report is recommended.

2.0 INTRODUCTION

The objective of this Phase I ESA was to perform all appropriate inquiry (AAI) into the past ownership and uses of the Property as stipulated by the United States Environmental Protection Agency (EPA) in 40 Code of Federal Regulation (CFR) Part 312 consistent with good commercial or customary practices specified by the ASTM in “Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process”, Designation E1527-13. AAI is the process for evaluating a property’s environmental conditions for the purpose of qualifying for landowner liability protections under CERCLA. following final rule of Part 312 of Title 40, Code of Federal Regulations (40 CFR Part 312). The purpose of this Phase I ESA was to identify, to the extent feasible, adverse environmental conditions including recognized environmental conditions (“RECs”) of the Property.

The ASTM E1527-13 standard indicates that the purpose of the Phase I ESA is to identify RECs, including historical recognized environmental conditions (“HRECs”), and controlled recognized environmental conditions (“CRECs”) that may exist at a property. The term “recognized environmental conditions” means the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property:

1. Due to any release to the environment;
2. Under conditions indicative of a release to the environment; or
3. Under conditions that pose a material threat of a future release to the environment.

ASTM E1527-13 defines a “HREC” as a REC that has occurred in connection with the property but has been addressed to the satisfaction of the applicable regulatory authority and meets unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls). Before calling the past release a HREC, the environmental professional (EP) must determine whether the past release is a REC when the current Phase I ESA is conducted (for example, if there has been a change in the regulations). If the EP considers the past release to be a REC at the time the Phase I ESA is conducted, the condition shall be included in the conclusions section of the report as a REC.

ASTM E1527-13 defines a “CREC” as a REC resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), but with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls).

ASTM E1527-13 also defines a “Business Environmental Risk” (BER) and *de minimis* conditions which are not considered RECs. BER means a risk which can have a material environmental or environmentally driven impact on the business associated with the current or planned use of a parcel of commercial real estate, not necessarily limited to those environmental issues required to be investigated by the ASTM Standard. A “*de minimis* condition” is a condition that generally does not present a threat to human health or the environment and generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.

This Phase I ESA report was prepared by Stantec under contract with the City of Green Bay and is being performed on behalf of the City of Green Bay, designated as the User. Access to the Property for performance of the Phase I ESA was provided by the City of Green Bay.

The scope of work conducted during this Phase I ESA consisted of a visual reconnaissance of the Property, interviews with key individuals, and review of reasonably ascertainable documents. The scope of work did not include an assessment for environmental regulatory compliance of any facility ever operated at the Property (past or present), or sampling and analyzing of environmental media. Stantec was not contracted to perform any independent evaluation of the purchase or lease price of the Property and its relationship to current fair market value. The conclusions presented in this ESA Report are professional opinions based on data described herein. The opinions are subject to the limitations described in Section 2.3.

ASTM E1527-13 notes that the availability of record information varies from source to source. The User or EP is not obligated to identify, obtain, or review every possible source that might exist with respect to a property. Instead, ASTM identifies record information that is reasonably ascertainable from standard sources. "Reasonably ascertainable" means:

1. Information that is publicly available;
2. Information that is obtainable from its source within reasonable time and cost constraints; and
3. Information that is practicably reviewable.

A list of common acronyms and abbreviations relevant to Phase I ESA reports completed for sites in Wisconsin is provided in Appendix G.

2.1 PROPERTY DESCRIPTION

The Property consists of four parcels of land on the east side of Green Bay totaling approximately 47.8 acres. Parcel information obtained from the Brown County Geographic Information System (BCGIS) is summarized below (BCGIS, 2021):

Designation	Address	Tax Key #	Owner	Size (acres)	Zoning
Parcel 1	3731 Finger Road	21-22	City of Green Bay	23.01	Low Density Residential
Parcel 2	3731 Finger Road	21-24	City of Green Bay	17.65	Low Density Residential
Parcel 3	3714 East Mason Street	21-189	City of Green Bay	4.12	Low Density Residential
Parcel 4	3760 East Mason Street	21-189-1	City of Green Bay	3.10	Low Density Residential

Parcel 1 contains one vacant barn and primarily consists of an agricultural field. Parcels 2, 3, and 4 are fallow or cultivated agricultural fields. Surrounding properties are a mix of residential and agricultural properties. A Property location map is illustrated on Figure 1. A Property map illustrating the main features of the Property is provided as Figure 2.

2.2 SPECIAL TERMS, CONDITIONS, AND SIGNIFICANT ASSUMPTIONS

There were no special terms, conditions, or significant assumptions associated with this Phase I ESA.

2.3 EXCEPTIONS AND LIMITING CONDITIONS

This report documents work that was performed in accordance with generally accepted professional standards at the time and location in which the services were provided and given the schedule and budget constraints established by the client. No other representations, warranties, or guarantees are made concerning the accuracy or completeness of the data or conclusions contained within this report, including no assurance that this work has uncovered all potential and actual liabilities and conditions associated with the Property.

This report provides an evaluation of selected environmental conditions associated with the Property that was assessed at the time the work was conducted and is based on information obtained by and/or provided to Stantec at that time. There are no assurances regarding the accuracy and completeness of this information. All information received from the client or third parties in the preparation of this report has been assumed by Stantec to be correct. Stantec assumes no responsibility for any deficiency or inaccuracy in information received from others.

Conclusions made within this report consist of Stantec's professional opinion as of the time of the writing of this report and are based solely on the scope of work described in the report, the limited data available, and the results of the work. They are not a certification of the property's environmental condition.

The client did not provide or contract Stantec to provide recorded title records or search results for environmental liens or activity and use limitations encumbering the property or in connection with the property. Stantec did not obtain historical records that document the property history in 5-year intervals, and this resulted in data gaps. Although this represents data gaps, these data gaps are not considered significant. Based on the information obtained during this ESA and general knowledge of development at and near the Property, the absence of this information did not affect the ability of the EPs to identify RECs, HRECs, CRECs, or *de minimis* conditions.

This report relates solely to the specific project for which Stantec was retained and the stated purpose for which this report was prepared and shall not be used or relied upon by client for any variation or extension of this project, any other project, or any other purpose.

This report has been prepared for the exclusive use of the client identified herein and any use of or reliance on this report by any third party is prohibited, except as may be consented to in writing by Stantec or as required by law. The provision of any such consent is at Stantec's sole and unfettered discretion and will only be authorized pursuant to the conditions of Stantec's standard form reliance letter. Stantec assumes no responsibility for losses, damages, liabilities, or claims, howsoever arising, from third party use of this report.

Project Specific limiting conditions are provided in Section 2.2.

The locations of any utilities, buildings and structures, and property boundaries illustrated in or described within this report, if any, including pole lines, conduits, water mains, sewers and other surface or sub-surface utilities and structures, are not guaranteed. Before starting site work, the exact location of all such utilities and structures must be confirmed by the client and the party performing the work, and Stantec assumes no liability resulting from damage to such utilities and structures.

The conclusions are based on the conditions encountered at the Property by Stantec at the time the work was conducted.

As the purpose of this report is to identify Property conditions which may pose an environmental risk; the identification of non-environmental risks to structures or people on the Property is beyond the scope of this assessment.

The findings, observations, and conclusions expressed by Stantec in this report are not an opinion concerning the compliance of any past or present owner or operator of the Property which is the subject of this report with any Federal, state, provincial or local law or regulation.

This report presents professional opinions and findings of a scientific and technical nature. It does not and shall not be construed to offer a legal opinion or representations as to the requirements of, nor compliance with, environmental laws, rules, regulations, or policies of Federal, state, provincial or local governmental agencies. It is recommended that issues raised by the report should be reviewed for the client by its legal counsel.

Stantec specifically disclaims any responsibility to update the conclusions in this report if new or different information later becomes available or if the conditions or activities on the property subsequently change.

2.4 PERSONNEL QUALIFICATIONS

This Phase I ESA was conducted by, or under the supervision of, an individual that meets the ASTM definition of an EP. The credentials of the EP and other key Stantec personnel involved in conducting this Phase I ESA are provided in **Appendix B**.

3.0 USER/OWNER-PROVIDED INFORMATION

ASTM E1527-13 describes responsibilities of the User to complete certain tasks in connection with the performance of “All Appropriate Inquiries” into the Property. The ASTM standard requires that the Environmental Professional request information from the User on the results of those tasks because that information can assist in the identification of RECs, CRECs, HRECs, or de minimis conditions in connection with the Property. Additionally, because the City is also the owner of the Property the “User Questionnaire” also exists as the ASTM recommended “Owner Questionnaire” for the Property. Towards that end, Stantec requested that the City as the User/Owner provide the following documents and information:

Description of Information	Provided (Yes / No)	Description and/or Key Findings
User/Owner Questionnaire	Yes	Wendy Townsend a representative of the City, completed the User/Owner Questionnaire. Ms. Townsend stated the Property is currently owned by the City and leased for agricultural production to a paying tenant. Ms. Townsend indicated that the Property is serviced by the City water and sewer system and that she had no knowledge of petroleum product and/or hazardous substance storage or use at the Property or any releases/environmental actions associated with the Property. Stantec also inquired about soil stockpiles situated on Parcel 3. The City's Public Works director Steve Grenier indicated this soil was generated during the East Mason Street/Finger Road reconstruction.
Environmental Liens or Activity Use Limitations	No	None reported.
Previous Environmental Permits or Reports Provided by User	Yes	None provided.
Purpose of the Phase I ESA	Yes	Property redevelopment/reuse.

Stantec forwarded the ASTM recommended User/Owner Questionnaire to Wendy Townsend; Project and Program Manager with the City of Green Bay. The completed User/Owner Questionnaire returned to Stantec by Ms. Townsend and the email response from Steve Grenier regarding soil stockpiles are included in **Appendix C**.

4.0 RECORDS REVIEW

The objective of consulting historical sources of information is to develop the history of the Property and surrounding area and evaluate if past uses may have resulted in RECs. Physical setting records are evaluated to determine if the physical setting may have contributed to adverse environmental conditions in connection with the Property. During the review of historical records, Stantec attempted to identify uses of the Property from the present to the first developed use of the Property. Stantec's research included the reasonably ascertainable and useful records described in this section.

4.1 PHYSICAL SETTING

A summary of the physical setting of the Property is provided in the following subsections

4.1.1 Property Topography and Surface Water Flow

The Property is located at the eastern extent of the City of Green Bay as illustrated on the United States Geological Survey (USGS) Green Bay East and Bellevue, Wisconsin quadrangle map (USGS, 1995). In general, the Property is flat with an approximate elevation ranging between 785 and 788 feet above mean sea level (amsl). Surface water at the Property either infiltrates the ground surface or flows overland to ditches within the agricultural fields or along South Grandview Road, East Mason Street, and Finger Road.

4.1.2 Regional and Property Geology

According to the United States Department of Agriculture Soil Conservation Service Soil Survey geographic data, surficial unconsolidated deposits at the Property are listed as Kewaunee silt loam (2-6% slopes) or Poygan silty clay (0-2% slopes). Underlying the unconsolidated material, bedrock is expected to consist of dolomite and shale of the Ordovician Maquoketa Formation (Luczaj, 2011). In the area of the Property, the depth to bedrock is likely less than 100 feet (Trotta, 1973).

4.1.3 Regional and Property Hydrogeology

The shallow water table is often a subdued expression of surface topography. Shallow groundwater generally flows from areas of groundwater recharge, such as hills and broad uplands, to areas of groundwater discharge, such as wetlands, rivers, and lakes. Based on the local surface topography, shallow groundwater is expected to flow north/northwest towards Baird Creek located approximately 1,400 feet to the north of the Property. Other man-made features such as wells, roads, filled areas, buried utility lines, sewers, and drainage ditches may alter the natural shallow groundwater flow direction.

4.2 FEDERAL, STATE AND TRIBAL ENVIRONMENTAL RECORDS

Stantec obtained a regulatory agency database search report from Environmental Data Resources, Inc. (EDR), a third-party environmental database search firm. A complete copy of the database search report, including the date the report was prepared, the date the information was last updated, and the definition of databases searched, is provided in **Appendix D**. Stantec also reviewed the Wisconsin Department of Natural Resources (WDNR) Online Bureau of Remediation and Redevelopment Tracking System (BRRTS) Database (WDNR, 2021) and the Wisconsin Department of Agriculture, Trade, and Consumer Protection (WDATCP) Online Tank Database (WDATCP, 2021). Pertinent information obtained from the online databases is included in **Appendix F**.

Stantec evaluated the information listed within the database for potential impact to the Property and assessing the potential for impacts based in part on the physical setting. As part of this process, inferences have been made regarding the likely groundwater flow direction at or near the Property. As described in 4.1.3, the inferred shallow groundwater flow direction is likely to be in a north/northwesterly direction. Observations about the Property and surrounding properties made during the Property reconnaissance are provided in more detail in Section 5.

4.2.1 Listings for Property

EDR identified one former underground storage tank (UST) listing associated with 3731 Finger Road however, the record did not distinguish whether the UST was associated with Parcel 1 or 2, both of which have the same address. The record indicates the UST was 300-gallons in size, stored leaded gasoline, and was owned by Marvin Rentmeester. The status of the UST is reported as "closed/removed" since 1986. None of the available records made indications of a release or environmental testing occurring during tank closure. EDR did not identify any other records pertaining to the Property. The WDATCP Online Tank Storage database contained no additional information and the WDNR BRRTS database did not contain any records pertaining to the Property.

4.2.2 Listings for Nearby Sites with Potential to Impact the Property

Stantec assessed data presented in the environmental agency database search report to evaluate the potential for conditions on adjacent and nearby sites to pose a REC, CREC, or HREC for the Property. The evaluation included an opinion of the potential for contamination by hazardous substances or petroleum products to migrate onto the Property from a nearby property, including by vapor migration or encroachment (i.e., potential for a vapor encroachment condition [VEC]).

As part of the review of historical information, Stantec personnel also reviewed available information from WDNR's BRRTS files for the surrounding area. The following properties listed on the BRRTS database were identified near the Property. Available information related to each property listed was reviewed and a brief summary is provided below:

Based on this evaluation, the following individual facilities were identified as the most likely potential sources of impact to the Property:

Listed Facility Name/Address	Database Listing	Distance/Direction from Property
Chad Roffers Trucking 3696 W. Mason Street Hobart, WI	SHWIMS	72 feet southwest
This site was identified by EDR on the Solid and Hazardous Waste Information Management System (SHWIMS) however EDR did not contain any further information regarding the listing. The WDATCP Online Tank Storage and WDNR BRRTS databases also did not contain any records pertaining to the Property.		
Green Bay - Grandview Booster Station 645 S. Grandview Road Green Bay, WI	AST	102 feet west
The site was identified by EDR and WDATCP associated with an 850-gallon above ground storage tank (AST) owned by the City of Green Bay. The tank was installed in 2015 and is reportedly in use containing diesel fuel for a standby generator. An interstitial monitoring system is used to check for leaks and spill protection was also installed.		
J&J Grocery 4090 Finger Road Humboldt, WI	LUST, CRS, AUL	2,631 feet east
This facility was identified by EDR as a closed leaking underground storage tank (LUST) site. The listing detailed a release of gasoline into soil and groundwater discovered in 2001. Investigation revealed petroleum compounds in soil exceed Wisconsin Administrative Code Natural Resources (WAC NR720) residual contaminant levels for direct contact and groundwater protection as well as NR140 regulatory thresholds for groundwater. The release was laterally delineated and extends offsite into the Finger Road and County Highway QQ rights-of-way. The WDNR closed the case in 2006 with continuing obligations which include a groundwater use restriction placed on the property deed and the maintenance of an impervious cover over the contaminant plume.		

4.3 LOCAL/REGIONAL ENVIRONMENTAL RECORDS

Stantec checked the following sources to obtain information pertaining to Property use and/or indications of RECs in connection with the Property:

4.3.1 Brown County Public Health Department

Agency Name Contact Information	Finding
Brown County Health and Human Services (BCHHS) Ms. Lisa Hodgins Public Health Sanitarian III lisa.hodgins@browncountywi.gov October 25, 2021	Stantec contacted the Brown County Health and Human Services Department via email for information regarding the Property. Ms. Lisa Hodgins responded to the information request indicating the BCCHS does not contain records for the Property. The record of communication is included in Appendix F .

4.3.2 Green Bay Fire Department

Agency Name Contact Information	Finding
Green Bay Fire Department Mr. Joe Gabe Captain joega@greenbaywi.gov October 25, 2021	Stantec contacted the City of Green Bay Fire Department via email for information pertaining to the Property. Captain Gabe responded to the record request stating that the department has no records of tanks or hazardous materials incidents located at the Property but did confirm the use of the Property as a farm for at least 20 years. The record of communication is included in Appendix F .

4.3.3 Local Building and/or Planning Department Records

Agency Name, Contact Information	Findings
Green Bay Community & Economic Development Pete O'Connor Site Plan Administrator pete.oconnor@greenbaywi.gov October 25, 2021	Stantec contacted the Green Bay Department of Community and Economic Development for information regarding the Property. Pete O'Connor, a Site Plan Administrator with the department reported that the department was unable to locate any pertinent records for the Property. The record of communication is included in Appendix F .

4.4 HISTORICAL RECORDS REVIEW

4.4.1 Land Title Records/Deeds

Land title records, deeds, environmental liens, and activity and use limitation documentation was not provided by the User, and public records were not searched by Stantec.

4.4.2 Aerial Photographs

Stantec reviewed historical aerial photographs provided by EDR included in **Appendix E**. The general type of activity on a property and land use changes can often be discerned from the type and layout of structures visible in the photographs. However, specific elements of a facility's operation usually cannot be discerned from aerial photographs alone. The following table summarizes Stantec's observations of the reviewed historical aerial photographs.

Year	Scale	Observations, Property and Adjoining Properties
1938	1:500	The poor resolution of the aerial photograph limits the degree to which features can be discerned. <u>Property:</u> The Property appears to consist primarily of agricultural fields. One building with an associated driveway is visible on Parcel 1 north of Finger Road. Parcels 3 and 4 lie south of Finger Road. <u>Adjoining Properties:</u> Surrounding Properties consist primarily of undeveloped agricultural fields. Grandview and Northview roads bound the Property to the east and west, respectively.
1960	1:500	<u>Property:</u> Multiple interconnected buildings are clearly visible on Parcel 1 along with what appears to be a possible pond east of the buildings. A small residential development appears on Parcel 3 connected to Finger Road. <u>Adjoining Properties:</u> Small developments have occurred south of Finger Road and East of Northview Road. Remaining surrounding neighborhood features appear similar to the 1938 aerial photo.
1978	1:500	The poor resolution of the aerial photograph limits the degree to which features can be discerned. <u>Property:</u> A possible soil stockpile is visible north of the buildings situated on Parcel 1. All other features appear similar to the 1960 aerial photo. <u>Adjoining Properties:</u> Features appear similar to the 1960 aerial previous photo.
1992	1:500	<u>Property:</u> Possible soil piles on northwest corner of Parcel 1 are no longer visible. All other features appear similar to the 1990 aerial photo. <u>Adjoining Properties:</u> Development appears to be ongoing or completed on the parcel between the Property and Grandview Road. All other features appear similar to the 1990 aerial photo.
2000	1:500	<u>Property:</u> The pond east of the buildings on Parcel 1 is no longer present. All other features appear similar to the 1992 aerial photo. <u>Adjoining Properties:</u> Features appear similar to the 1992 aerial photo.
2005	1:500	<u>Property:</u> Features appear similar to the 2000 aerial photo. <u>Adjoining Properties:</u> Features appear similar to the 2000 aerial photo.
2010	1:500	<u>Property:</u> Features appear similar to the 2005 aerial photo. <u>Adjoining Properties:</u> Features appear similar to the 2005 aerial photo.
2014	1:500	<u>Property:</u> Mason Street now cuts through Parcels 3 and 4. An access appears to cross Parcel 3 connecting Grandview Road with the Finger Road cul-de-sac. All other features appear similar to the 2010 aerial photo. <u>Adjoining Properties:</u> A building is now present west of the Property across Grandview Road. Finger Road has been dead ended east of Grandview Road. Mason Street is now present coming in from the southwest. All other features appear similar to the 2010 aerial photo.
2017	1:500	<u>Property:</u> The access road cutting across Parcel 3 no longer connects Grandview and Finger Roads. All other features appear similar to the 2014 aerial photo. <u>Adjoining Properties:</u> Features appear similar to the 2014 aerial photo.
2020	1:500	<u>Property:</u> Two of the buildings on Parcel 1 have been razed. One structure is still visible. A possible soil stockpile is visible on Parcel 3. All other features appear similar to the 2017 aerial photo. <u>Adjoining Properties:</u> Features appear similar to the 2017 aerial photo.

4.4.3 City Directories

Stantec retained a third party to research available reverse city directories for the Property, in approximately five-year intervals. EDR was unable to locate any reverse City Directory records for the Property.

4.4.4 Historical Fire Insurance Maps

Fire insurance maps were developed for use by insurance companies to depict facilities, properties, and their uses for many locations throughout the United States. These maps provide information on the history of prior land use and are useful in assessing whether there may be potential environmental contamination on or near the Property. These maps, which have been periodically updated since the late 19th century, often provide valuable insight into historical Property uses.

EDR was unable to locate available historic fire insurance maps covering the Property. EDR's Sanborn® Map Search Report certifying the complete library of available maps has been searched based on the Property location is presented in **Appendix E**.

4.4.5 Historical Topographic Maps

Stantec reviewed historical USGS 7.5-minute Topographic Maps provided by EDR to help identify past Property usage and areas of potential environmental concern.

Copies of the historical topographic maps are provided in **Appendix E**. The following table summarizes the maps reviewed and our observations.

Year	Scale	Observations, Property and Adjoining Properties
1954	1:62,500	<u>Property</u> : The Property is bounded to the west by Grandview Road, and to the east by Northview Road. Finger Road cuts through the Property from east to west. Two small buildings are present on Parcel 1 of the Property. One building appears present on Parcel 3. <u>Adjoining Properties</u> : Small buildings are depicted north, east, and west of the Property along Grandview and Northview Roads.
1971	1:24,000	<u>Property</u> : Property features appear similar to the 1954 topographic map. <u>Adjoining Properties</u> : Small buildings are depicted south of the Property along Finger Road. All other features appear similar to the 1954 topographic map.
1994	1:24,000	<u>Property</u> : Property features appear similar to the 1971 topographic map. <u>Adjoining Properties</u> : Adjacent property features appear similar to the 1971 topographic map.
1995	1:24,000	<u>Property</u> : A pond appears on Parcel 1 of the Property. All other Property features appear similar to the 1994 topographic map. <u>Adjoining Properties</u> : Adjacent property features appear similar to the 1994 topographic map.
2013	1:24,000	The 2013 topographic map contains less detail than previous maps. <u>Property</u> : No buildings are depicted on the Property. All other Property features appear similar to the 1995 topographic map. <u>Adjoining Properties</u> : No buildings are depicted on adjacent properties. All other features appear similar to the 1995 topographic map.

4.4.6 Other Historical Sources

No other historical sources were review as a part of this Phase I ESA.

5.0 SITE RECONNAISSANCE

A visit to the Property and its vicinity was conducted by Jeff Brand on October 18, 2021. Access to the Property was provided by the City of Green Bay. Stantec was unaccompanied during the Property visit. Figure 2 provides information about the Property and adjoining properties and the location of potential areas of environmental concern. Photographs collected during the Property visit are included in **Appendix A**.

5.1 SITE RECONNAISSANCE METHODOLOGY

The site reconnaissance focused on observation of current conditions and observable indications of past uses and conditions of the Property that may indicate the presence of RECs. The reconnaissance of the Property was conducted on foot and Stantec utilized the following methodology to observe the Property:

- Traverse the outer Property boundary.
- Traverse transects across the Property.
- Traverse the periphery of all structures on the Property.
- Visually observe accessible interior areas expected to be used by occupants or the public, maintenance and repair areas, utility areas, and a representative sample of occupied spaces.

Weather conditions during the visit to the Property were 70 degrees Fahrenheit and sunny. There were no weather-related Property access restrictions encountered during the reconnaissance visit.

5.2 GENERAL DESCRIPTION

Property and Area Description:	The Property is located near the eastern extent of the City of Green Bay and is primarily fallow or agricultural land. Surrounding land use includes primarily agricultural fields and residential homes.
Property Operations:	Parcels 1, 2, and 4 of the Property are actively farmed. Parcel 3 is fallow. One barn is situated on Parcel 1 and is the only structure on the Property.
Structures, Roads, Other Improvements:	The Property is developed with one barn. Mason Street bisects Parcels 3 and 4 and creates the southern border along a portion of Parcel 1 and all of Parcel 2. The Property is bound to the east and west by Northview and Grandview Road, respectively.
Property Size (acres):	~47.8
Estimated % of Property Covered by Buildings and/or Pavement:	2%
Observed Current Property Use/Operations:	A barn is situated on the southwest portion of Parcel 1. The remainder of the Property is unpaved.
Observed Evidence of Past Property Use(s):	The presence of a barn suggests previous use for agriculture with associated residential dwelling.
Sewage Disposal Method (and age):	City of Green Bay Municipal Sewer system
Potable Water Source:	All parcels are served by the City of Green Bay Municipal water system
Electric Utility:	Wisconsin Public Service (WPS)

5.3 HAZARDOUS SUBSTANCES AND PETROLEUM PRODUCTS

The following table summarizes Stantec's observations during the Property reconnaissance.

Observations	Description/Location
Hazardous Substances and Petroleum Products as Defined by CERCLA 42 U.S.C. § 9601(14):	None observed.
Drums (≥ 5 gallons):	None observed.
Strong, Pungent, or Noxious Odors:	None detected.
Pools of Liquid:	None observed.
Unidentified Substance Containers:	None observed.
PCB-Containing Equipment:	None observed.
Other Observed Evidence of Hazardous Substances or Petroleum Products:	None observed.

5.4 INTERIOR OBSERVATIONS

Observations	Description
Heating/Cooling Method:	None observed.
Surface Stains or Corrosion:	None observed.
Floor Drains and Sumps:	One floor drain and a sump were identified within the barn. The sump was observed to be full of water. No sheens, odors, stains, or other evidence of a release was noted in these locations.
Other Interior Observations:	The barn onsite appears to be abandoned with various farm and building debris left inside (wood, buckets, chicken coop, etc.).

5.5 EXTERIOR OBSERVATIONS

Stantec made the following observations during the site reconnaissance of exterior areas of the Property and/or identified the following information during the interview or records review portions of the assessment:

Observations	Description
On-site Pits, Ponds, or Lagoons:	None observed. Drainage ditches run through the agricultural field on Parcels 1 and 2.
Stained Soil or Pavement:	None observed.
Stressed Vegetation:	None observed.
Waste Streams and Waste Collection Areas:	None observed.
Solid Waste Disposal:	None observed.

Observations	Description
Potential Areas of Fill Placement:	Three mounds of soil were observed on Parcel 3. According to Steve Grenier, the City's public works director, the stockpiles consist of excess soil generated during the construction of the East Mason connection from Eerie to Finger Road. Disturbed soil was observed on Parcel 1 where a farmhouse was formerly situated. The disturbed soil contained some metal debris pipe and debris.
Wastewater:	No exterior wastewater discharge was observed.
Stormwater:	Stormwater on the Property either infiltrates the ground surface or flows overland into drainage ditches in the agricultural fields or along Mason Street, Grandview, and Northview Roads.
Wells:	No wells were observed.
Septic Systems:	No visible evidence of the existence of a septic system was observed.
Other Exterior Observations:	None.

5.6 UNDERGROUND STORAGE TANKS/STRUCTURES

Existing USTs:	No visible evidence (fill pipes, vent pipes, dispensers, surface patches), which would indicate the presence of USTs, was discovered during the site reconnaissance.
Former USTs:	No visible evidence (fill pipes, vent pipes, dispensers, surface patches) of the former presence of USTs was discovered during this Phase I ESA.
Other Underground Structures:	None observed.

5.7 ABOVEGROUND STORAGE TANKS

Existing ASTs:	No visible evidence (fill pipes, vent pipes, dispensers, surface stains) which would indicate the presence of ASTs, was discovered during the site reconnaissance.
Former ASTs:	No visible evidence (fill pipes, vent pipes, dispensers, surface stains) which would indicate the presence of former ASTs was discovered during the site reconnaissance.

5.8 ADJOINING PROPERTIES

5.8.1 Current Uses of Adjoining Properties

As viewed from the Property and/or from public rights-of-way, Stantec made the following observations about use and activities on adjoining properties:

NORTH	Agricultural fields and residential parcels.
EAST	Northview Road followed by agricultural fields and residential parcels.

SOUTH	Finger Road/Mason Street followed by agricultural and residential parcels.
WEST	City of Green Bay potable water boost station, and Grandview Road followed by agricultural fields and residential parcels.

Refer to Figure 2.

5.8.2 Observed Evidence of Past Uses of Adjoining Properties

Observations of adjoining properties providing indications of past use and activities, if any, are described below.

NORTH	None observed.
EAST	None observed.
SOUTH	None observed.
WEST	None observed.

5.8.3 Pits, Ponds or Lagoons on Adjoining Properties

As viewed from the Property and/or from public rights-of-way, Stantec made the following observations about the presence of pits, ponds, and lagoons on adjoining properties:

NORTH	None observed.
EAST	None observed.
SOUTH	None observed.
WEST	None observed.

5.9 OBSERVED PHYSICAL SETTING

Topography of the Property and Surrounding Area:	In general, the Property is relatively flat and has an approximate elevation ranging between 785 and 788 feet amsl. Surrounding land generally slopes gently northwest towards Baird Creek and the Fox River/Lake Michigan.
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6.0 EVALUATION

This section provides a summary overview of Findings, Opinions, and Conclusions.

6.1 FINDINGS AND OPINIONS

Information gathered from interviews, reviews of existing data, and a property inspection was evaluated to determine if RECs are present in connection with the Property. Based on this information, Stantec made the following findings and developed the following opinions.

1	<u>Finding:</u> The Property was developed for agricultural use before the 1930s and has continued to be used for this purpose to the present. Historically, a wide variety of pesticides were commonly applied on agricultural land, especially arsenic-based pesticides, until the late 1960s. Other pesticides of concern are lead-based compounds, dichlorodiphenyltrichloroethane and Aldrin/Dieldrin. Lead and arsenic are highly persistent in the environment and will remain in the environment indefinitely. Based on the history of agricultural use on-site, there is a potential that historic pesticide applications may have impacted the Property. Stantec did not find evidence of improper agricultural chemical use or disposal, chemical spills, or mixing areas, or crop-dusting airstrips on the Property. It should be recognized though, that the shallow soils may still contain some pesticide residue and metals impacts that may require management as part of redevelopment or construction activities on the Property. <u>Opinion:</u> No evidence of use, overuse, or spillage of chemicals was observed at the Property. Therefore, the historical agricultural use of the Property is not considered to be a CREC, HREC, REC, or de minimis condition.
2	<u>Finding:</u> According to available historic documents, portions of the Property were occupied by likely residential and agricultural buildings which have since been razed. Disturbed soil was observed in multiple locations where the former structures were situated. <u>Opinion:</u> It is unclear whether former buildings on the Property contained basements which were filled at the time of demolition. However, the potential for fill from an offsite source or containing demolition debris to fill former building basements is considered a REC as these materials may contain contaminants including but not limited to lead paint, PAHs, RCRA metals, and VOCs.
3	<u>Finding:</u> A pond which is visible in historic aerial photographs from 1960, 1978, and 1992 appears to have been filled on Parcel 1. <u>Opinion:</u> Fill from an unknown source used to backfill the pond on the Property is considered a REC as the material may contain impacts which originated offsite. Additional investigation is warranted to evaluate the quality of soil in the location of the former pond.
4	<u>Finding:</u> According to the environmental database search performed by EDR, a 300-gallon leaded gasoline UST was formerly associated with the Property. No other information regarding the UST was available while assessing the Property. <u>Opinion:</u> The presence of a bulk petroleum UST on the Property with no information documenting the completion of an environmental assessment at the time of closure represents a REC.
5	<u>Finding:</u> The environmental records search identified sites with listings on one or more environmental databases with their respective ASTM E 1527-13 search radii. Several properties nearby the Property were identified by EDR or were listed on the WDNR BRRS database. <u>Opinion:</u> Based on one or more of the following reasons: distance from the Property, position of sites with respect to assumed groundwater flow direction, and documented extent of known contamination, none of the sites identified in the environmental records search report are expected

	to affect soil or groundwater quality at the Property. The listings for these sites are not considered to represent CRECs, HRECs, RECs, or <i>de minimis</i> conditions for the Property.
6	<u>Finding:</u> Data obtained from historical sources indicate that the Barn on the Property was constructed prior to 1979. Buildings constructed prior to 1979 are considered to have the potential to contain asbestos-containing materials (ACM) and lead-based paint (LBP) <u>Opinion:</u> ACMs and LBP were not assessed as part of our scope associated with this Phase I ESA. The potential presence of ACM and/or LBP are considered a BER.
7	<u>Finding:</u> Recorded title records or search results for any environmental liens or activity and use limitations encumbering the Property or in connection with the Property were not reviewed as part of this Phase I ESA. <u>Opinion:</u> The lack of review of this information did not appear to affect the EP's ability to identify CRECs, HRECs, RECs, or <i>de minimis</i> conditions.
8	<u>Finding:</u> Stantec was not able to obtain historical records that document the full history of the Property from initial development in 5-year intervals. These gaps in the historical records represent "data gaps." <u>Opinion:</u> The lack of records for each 5-year period of development/use is not considered to represent a significant data failure. Based on the information obtained during the course of this ESA, the absence of this information did not affect the ability of the EPs to identify CRECs, HRECs, RECs, or <i>de minimis</i> conditions.
9	<u>Finding:</u> Stantec observed the adjacent properties from the Property or nearby public right-of-ways. <u>Opinion:</u> No indications of CRECs, RECs, HRECs or <i>de minimis</i> conditions were observed in connection with the adjacent properties.

6.2 DATA GAPS

The federal AAI final rule [40 CFR 312.10(a)] and ASTM E1527-13 identify a "data gap" as the lack or inability to obtain information required by the standards and practices of the rule despite good faith efforts by the EP or the User.

Any data gaps resulting from the Phase I ESA described in this report are listed and discussed below.

Gap	Discussion
Deletions or Exceptions from Scope of Work Referenced in Section 1.4:	None
Weather-Related Restrictions to Site Reconnaissance:	None
Facility Access Restrictions to Site Reconnaissance:	None
Other Site Reconnaissance Restrictions:	None
Data Gaps from Environmental Records Review:	None

Gap	Discussion
Data Gaps from Historical Records Review:	The client did not provide or contract Stantec to provide recorded title records or search results for environmental liens or activity and use limitations encumbering the Property or in connection with the Property. Stantec was also unable to obtain records that document the full history of the Property from initial development in 5-year intervals. Further, Sanborn Fire Insurance maps and Reverse City Directories were unable to be located by EDR due to the Property's historically rural setting. Although these represent data gaps, these data gaps are not considered significant. Based on the information obtained during the course of this ESA and general knowledge of development at and near the Property, the absence of this information did not affect the ability of the EPs to identify RECs, HRECs, CRECs, or de minimis conditions.
Data Gaps from Interviews:	None
Other Data Gaps:	None

6.3 CONCLUSIONS

We have performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E1527-13 of four parcels of land in Green Bay, Wisconsin (parcels 21-22, 21-24, 21-189, and 21-189-1), the Property. Any exceptions to, or deletions from, this practice are described in Data Gaps section of this report. This assessment has revealed no evidence of RECs in connection with the Property except for the following:

- The historical presence of a UST storing gasoline on the Property with no information regarding releases or environmental assessment at closure;
- The potential presence of undocumented fill or demolition debris used to backfill basements of razed structures; and
- The presence of undocumented fill used to backfill a former pond on the Property.

Stantec also identified the following business environmental risk associated with the Property:

- The potential presence of ACM or LBP associated with the barn.

Based on Stantec's observations and the identified RECs, it is recommended that a Phase II ESA be conducted at the Property. The preceding summary is intended for informational purposes only. Reading of the full body of this report is recommended.

7.0 NON-SCOPE CONSIDERATIONS

The scope of work completed was limited solely to those items in the ASTM E1527-13 standard. No ASTM E1527-13 non-scope services were performed as part of this Phase I ESA.

8.0 REFERENCES

ASTM, Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions, Designation E 2600-15, 2015.

ASTM, Standard Practice for Environmental Site Assessments: Phase 1 Environmental Site Assessment Process, Designation: E 1527-13, 2013.

BCGIS Online parcel information, accessed by Evan Weber (Stantec) October 25, 2021.

Luczaj, John, "Preliminary Geologic Map of the Buried Bedrock Surface, Brown County, Wisconsin", Wisconsin Geological and Natural History Survey, 2011.

Trotta, L.C. and R.D. Cotter, Depth to Bedrock Map of Wisconsin, U.S. Geological Survey, 1973.

USDA, Web Soil Survey. Accessed by Evan Weber (Stantec), October 25, 2021

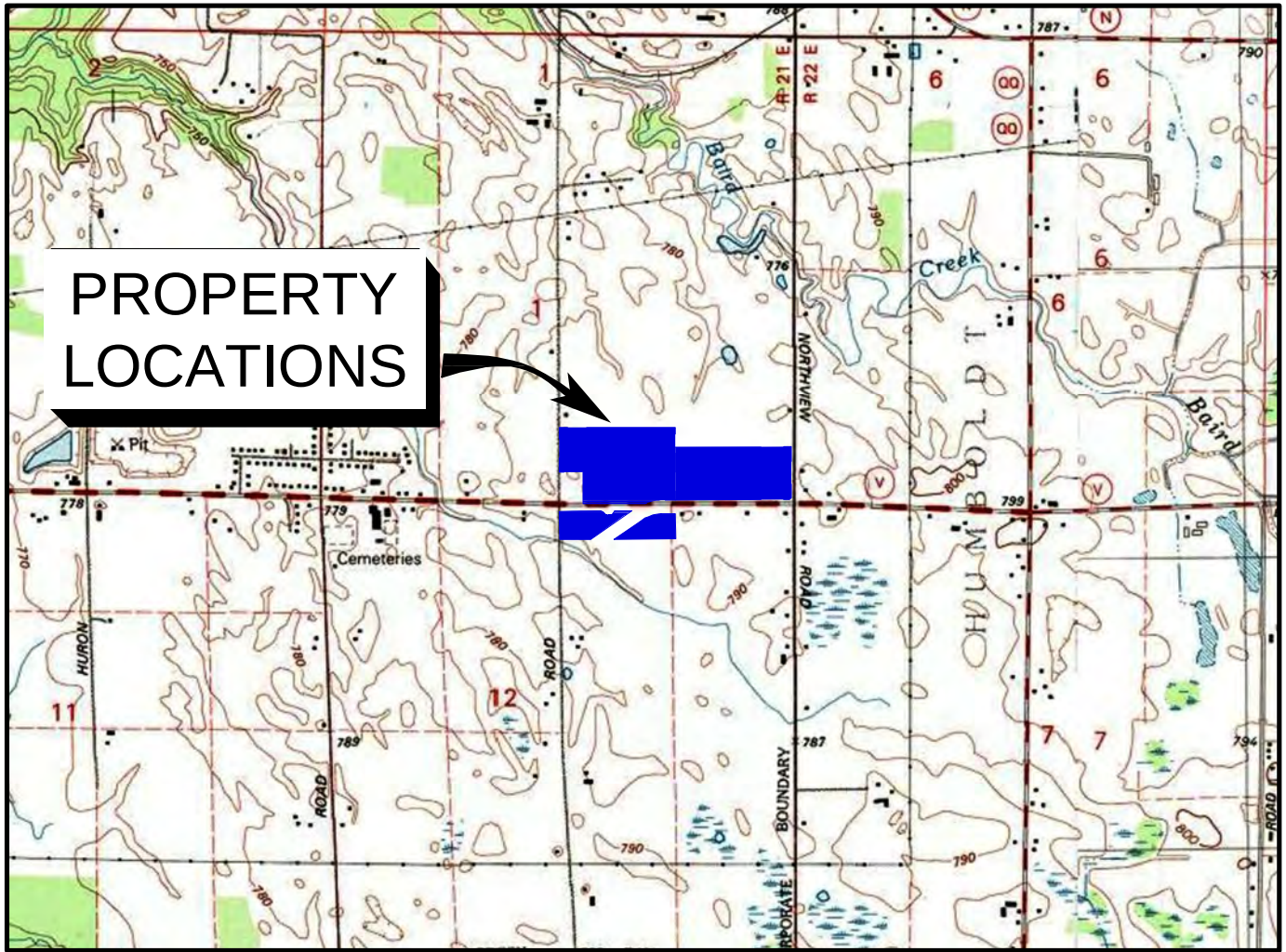
USGS, Green Bay East and Bellevue, Wisconsin 7.5 Minute Quadrangle Topographic Map, 1995.

WDATCP, Online Tank Database, https://mydatcp.wi.gov/Home/ServiceDetails/4a171523-04c7-e611-80f6-0050568c4f26?Key=Services_Group, Accessed October 25, 2021.

WDNR, BRRS Online Sites Database, <https://dnrm.wisconsin.gov/H5/?viewer=rrsites>, Accessed October 25, 2021.

WGNHS, "Lexicon of Pleistocene Stratigraphic Units of Wisconsin," Technical Report 1, 2011.

FIGURES



SCALE IN FEET

1" = 2000'



CONTOUR INTERVAL 10 FEET

NATIONAL GEODETIC VERTICAL DATUM OF 1929



QUADRANGLE LOCATION

BASE MAP SOURCE: USGS 7.5 MINUTE QUADRANGLE, BELLEVUE, WISCONSIN, 1992 (NATIONAL GEOGRAPHIC HOLDINGS, INC.)



1165 Scheuring Road, De Pere, Wisconsin 54115
Phone: 920-592-8400 Fax: 920-592-84844

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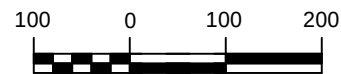
PROPERTY LOCATION & LOCAL TOPOGRAPHY

CITY OF GREEN BAY
EAST MASON STREET/ FINGER ROAD PARCELS
GREEN BAY, WISCONSIN

DATE: 10/13/21	DRAWN BY: JRB	PROJECT MANAGER: LPC	PROJECT NUMBER: 193708667	FIGURE 1
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SCALE IN FEET



LEGEND



APPROXIMATE PROPERTY LINE



BARN BUILT PRIOR TO 1979. MAY CONTAIN ACM AND/OR LBP



LIKELY LOCATION OF FORMER GASOLINE UST



HISTORIC FILL LOCATION



POTENTIAL LOCATIONS OF HISTORIC FILL OR DEMOLITION DEBRIS



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DATE: 10/13/21

DRAWN BY: JRB

PROJECT MANAGER: LPC

PROPERTY LAYOUT

CITY OF GREEN BAY PROPERTIES
3731 FINGER ROAD, 3714 AND 3760 EAST MASON STREET
GREEN BAY, WISCONSIN

PROJECT NUMBER: 193708667

FIGURE 2

APPENDICES

Appendix A Photographs of the Property and Vicinity

Client:	City of Green Bay	Project:	193708667
Site Name:	Finger Road Parcels	Site Location:	Green Bay, Wisconsin
Photograph ID: 1			
Photo Location: 3731 Finger Road (Parcel 1)			
Direction: Northeast			
Survey Date: 10/14/2021			
Comments: Barn			
Photograph ID: 2			
Photo Location: 3731 Finger Road (Parcel 1)			
Direction: South			
Survey Date: 10/14/2021			
Comments: Location of former farmhouse			

Client:	City of Green Bay	Project:	193708667
Site Name:	Finger Road Parcels	Site Location:	Green Bay, Wisconsin
Photograph ID: 3			
Photo Location: 3731 Finger Road (Parcel 1)			
Direction: East			
Survey Date: 10/14/2021			
Comments: Agricultural field			
Photograph ID: 4			
Photo Location: 3731 Finger Road (Parcel 1)			
Direction: North			
Survey Date: 10/14/2021			
Comments: Agricultural field			

Client:	City of Green Bay	Project:	193708667
Site Name:	Finger Road Parcels	Site Location:	Green Bay, Wisconsin
Photograph ID: 5			
Photo Location: 3731 Finger Road (Parcel 1)			
Direction: South			
Survey Date: 10/14/2021			
Comments: Drainage ditch within agricultural field			
Photograph ID: 6			
Photo Location: 3731 Finger Road (Parcel 1)			
Direction: West			
Survey Date: 10/14/2021			
Comments: Agricultural Field			

Client:	City of Green Bay	Project:	193708667
Site Name:	Finger Road Parcels	Site Location:	Green Bay, Wisconsin
Photograph ID: 7			
Photo Location: 3731 Finger Road (Parcel 1)			
Direction: Northeast			
Survey Date: 10/14/2021			
Comments: Agricultural Field and drainage swale			
Photograph ID: 8			
Photo Location: 3731 Finger Road (Parcel 1)			
Direction: N/A			
Survey Date: 10/14/2021			
Comments: Barn floor drain			

Client:	City of Green Bay	Project:	193708667
Site Name:	Finger Road Parcels	Site Location:	Green Bay, Wisconsin
Photograph ID: 9			
Photo Location: 3731 Finger Road (Parcel 1)			
Direction: South			
Survey Date: 10/14/2021			
Comments: Barn milk room			
Photograph ID: 10			
Photo Location: 3731 Finger Road (Parcel 1)			
Direction: South			
Survey Date: 10/14/2021			
Comments: Chicken coop			

Client:	City of Green Bay	Project:	193708667
Site Name:	Finger Road Parcels	Site Location:	Green Bay, Wisconsin
Photograph ID: 11			
Photo Location: 3731 Finger Road (Parcel 1)			
Direction: N/A			
Survey Date: 10/14/2021			
Comments: Water service within barn			
Photograph ID: 12			
Photo Location: 3731 Finger Road (Parcel 1)			
Direction: N/A			
Survey Date: 10/14/2021			
Comments: Sump full of water within barn			

Client:	City of Green Bay	Project:	193708667
Site Name:	Finger Road Parcels	Site Location:	Green Bay, Wisconsin
Photograph ID: 13			
Photo Location: 3731 Finger Road (Parcel 1)			
Direction: Southeast			
Survey Date: 10/14/2021			
Comments: Barn			
Photograph ID: 14			
Photo Location: 3731 Finger Road (Parcel 1)			
Direction: Southwest			
Survey Date: 10/14/2021			
Comments: Barn soil			

Client:	City of Green Bay	Project:	193708667
Site Name:	Finger Road Parcels	Site Location:	Green Bay, Wisconsin
Photograph ID: 15			
Photo Location: 3731 Finger Road (Parcel 1)			
Direction: West			
Survey Date: 10/14/2021			
Comments: Barn			
Photograph ID: 16			
Photo Location: 3731 Finger Road (Parcel 1)			
Direction: N/A			
Survey Date: 10/14/2021			
Comments: Metal debris and pipe near location of former farmhouse.			

Client:	City of Green Bay	Project:	193708667
Site Name:	Finger Road Parcels	Site Location:	Green Bay, Wisconsin
Photograph ID: 17			
Photo Location: 3731 Finger Road (Parcel 2)			
Direction: East			
Survey Date: 10/14/2021			
Comments: Undeveloped agricultural field			
Photograph ID: 18			
Photo Location: 3731 Finger Road (Parcel 2)			
Direction: North			
Survey Date: 10/14/2021			
Comments: Undeveloped agricultural field			

Client:	City of Green Bay	Project:	193708667
Site Name:	Finger Road Parcels	Site Location:	Green Bay, Wisconsin
Photograph ID: 19			
Photo Location: 3714 E. Mason Street (Parcel 3)			
Direction: West			
Survey Date: 10/14/2021			
Comments: Undeveloped fallow land with mounded soil			
Photograph ID: 20			
Photo Location: 3714 E. Mason Street (Parcel 3)			
Direction: East			
Survey Date: 10/14/2021			
Comments: Undeveloped fallow land with mounded soil			

Client:	City of Green Bay	Project:	193708667
Site Name:	Finger Road Parcels	Site Location:	Green Bay, Wisconsin
Photograph ID: 21			
Photo Location: 3760 E Mason Street (Parcel 4)			
Direction: Southwest			
Survey Date: 10/14/2021			
Comments: Cultivated agricultural field			
Photograph ID: 22			
Photo Location: 3760 E Mason Street (Parcel 4)			
Direction: Southeast			
Survey Date: 10/14/2021			
Comments: Cultivated agricultural field			

Client:	City of Green Bay	Project:	193708667
Site Name:	Finger Road Parcels	Site Location:	Green Bay, Wisconsin
Photograph ID: 23			
Photo Location: 3760 E Mason Street (Parcel 4)			
Direction: Northeast			
Survey Date: 10/14/2021			
Comments: E. Mason Street right-of-way			
Photograph ID: 24			
Photo Location: Adjacent Parcels South			
Direction: Southwest			
Survey Date: 10/14/2021			
Comments: Residential home south of E. Mason Street			

Client:	City of Green Bay	Project:	193708667
Site Name:	Finger Road Parcels	Site Location:	Green Bay, Wisconsin
Photograph ID: 25			
Photo Location: Finger Road/E. Mason Street ROW			
Direction: East			
Survey Date: 10/14/2021			
Comments: Fallow undeveloped Finger Road right-of-way			
Photograph ID: 26			
Photo Location: Adjacent Parcel West			
Direction: Northwest			
Survey Date: 10/14/2021			
Comments: Residential home west of Grandview Road			

Client:	City of Green Bay	Project:	193708667
Site Name:	Finger Road Parcels	Site Location:	Green Bay, Wisconsin
Photograph ID: 27			
Photo Location: Adjacent Parcel West			
Direction: East			
Survey Date: 10/14/2021			
Comments: City of Green Bay booster station			
Photograph ID: 28			
Photo Location: Adjacent Parcel West			
Direction: Southeast			
Survey Date: 10/14/2021			
Comments: Facility generator for City booster station			

Appendix B STANTEC RESUMES

As an Environmental Scientist at Stantec, Mr. Weber's responsibilities include conducting Environmental Site Assessments (ESAs), field sampling and monitoring, as well as post-field analysis and report writing. Evan's project experience includes organizing and supervising subcontractors and ensuring accurate and efficient fieldwork on various remediation projects. He has completed multiple Phase I and II ESAs, site investigations and remediation projects for properties affected by petroleum and other contaminants. Evan's diverse skills allow him to assist with a wide range of project types, including environmental site assessments, excavation oversight, and soil and groundwater monitoring, emergency spill response, and environmental restorations. He is skilled at coordinating project plans to accomplish scope of work and communicating with clients and colleagues regarding specific projects and tasks.

EDUCATION

Bachelor of Science, Earth Science, Northern Michigan University, Marquette, Michigan, 2014

CERTIFICATIONS & TRAINING

Registered PECFA Consultant #243766,
Wisconsin Department of Natural Resources,
Madison, Wisconsin, 2015

Health & Safety Training for Hazardous Waste Operations, OSHA, 40-Hour, Green Bay, Wisconsin, 2015

Erosion and Stormwater Management, Construction Installer, University of Minnesota, Minneapolis, Minnesota, 2016

Erosion and Stormwater Management, Construction Site Management, University of Minnesota, Minneapolis, Minnesota, 2016

Excavation and Trenching Safety, Green Bay, Wisconsin, 2016

First Aid/CPR Training, De Pere, Wisconsin, 2016

FEMA - ICS-100, IS-0100.b, Introduction to Incident Command System, Green Bay, Wisconsin, 2016

FEMA - ISC-200, IS-0200.b, ICS for Single Resources and Initial Action Incident, Green Bay, Wisconsin, 2016

Hydrogen Sulfide Awareness Training, and ASC Z390/1, Accepted Practices for Hydrogen Sulfide Safety Training Programs, (H2S Training), Green Bay, Wisconsin, 2016

REGISTRATIONS

Certified Pesticide Applicator, State of Wisconsin

PROJECT EXPERIENCE

Spill Response

Confidential Project, Spill Response Team

Trained to work around hazardous substances, Mr. Weber has experience with emergency spill response. Often spills do not occur in convenient places and Evan has responded to remote locations for remedial action. Among his duties performed, Evan aided response efforts by providing surface and groundwater sampling and analysis services as well as being utilized for night operations supervision.

Evan Weber

Environmental Scientist

Brownfields

US EPA Brownfields Assessment Grant, Neenah, Wisconsin

Evan provided field services and subcontractor oversight for two U.S. EPA Brownfield Site Assessment Grants for petroleum and hazardous substances awarded in 2012 to the City of Neenah, Wisconsin. Duties included preparation of Eligibility Determinations, Phase I ESAs, Site Specific, Sampling and Analysis Plans, Health and Safety Plans, street corridor surveys, field sampling report preparation, client and regulatory agency interface, selection of remedial options, and supervision of remediation techniques.

US EPA Brownfields Assessment Grant, Green Bay, Wisconsin

Evan provided field services and subcontractor oversight for two U.S. EPA Brownfield Site Assessment Grants for petroleum and hazardous substances awarded in 2013 to The City of Green Bay,, Wisconsin. Duties included preparation of Eligibility Determinations, Phase I ESAs, Site Specific Sampling and Analysis Plans, street corridor surveys, Health and Safety Plans, field sampling report preparation, client and regulatory agency interface, selection of remedial options, and supervision of remediation techniques.

Environmental Assessment and Permitting **Environmental Site Assessments, Various Locations, Wisconsin**

Evan has performed multiple Phase I Environmental Site Assessments for locations in eastern Wisconsin to identify past or present recognized environmental concerns. He investigated and analyzed data compiled through historical research and site reconnaissance for these sites.

Phase II Environmental Site Assessments, Various Locations, Wisconsin

Evan has conducted Phase II ESAs at multiple petroleum sites throughout Wisconsin. Project tasks included aiding in site characterization and delineating extent of soil and groundwater contamination using geoprobe techniques. Evan's efforts have aided in the successful remediation and case closure of multiple properties.

Environmental Site Remediation **Wausau Riverfront Redevelopment, Excavation Oversight, Wausau, Wisconsin**

Evan oversaw the removal of metal and TCE contaminated soil on a large brownfield site within the City of Wausau adjacent to the Wisconsin River. Evan directed sub-contractors to keep the project on task and provide soil and groundwater sampling services. Evan's activities are helping the community prepare this site for future beneficial redevelopment.

Neenah Site 7 Development Project, Neenah, Wisconsin

Evan oversaw the removal of metal, PAH, and VOC contaminated soil on a site within the City of Neenah in line with construction of a multi-story office building. Evan directed sub-contractors to delineate excavation and provide soil sampling services.

Evan Weber

Environmental Scientist

Ecological Monitoring and Restoration

Wetland Restoration, Ishpeming, Michigan

Mr. Weber helped a team of Stantec personnel restore valuable wetland habitat in the Upper Peninsula of Michigan. Restoration took place to restore valuable habitat after the construction of a natural gas pipeline. Restoration included reintroducing native wetland plant species to areas damaged or destroyed by pipeline installation activities.

Mussel Survey and Relocation, Tomahawk, Wisconsin

Mr. Weber contributed with a team of Stantec personnel to document and relocate fish and mussels on a section of the Wisconsin River. Relocation occurred to minimize species losses during drawdown of the river for completing dam repairs.

Lynelle Caine

Senior Project Manager

Ms. Caine has more than 23 years of professional experience as an environmental consultant. As a senior project manager, Lynelle has completed property assessments, investigations, remediation, and demolition at numerous complex petroleum and hazardous substance brownfield, industrial, commercial, landfill, and other sites in Wisconsin. These projects were performed under multiple regulatory programs including US EPA Region 5, Wisconsin Department of Natural Resources (WDNR), and the WDNR voluntary party liability exemption (VPLE) program. She has been instrumental in securing grants funds for local government units and private developers, being the primary grant writer and project manager under multiple brownfield grant programs including the US EPA assessment and area-wide planning grants, WDNR's Ready for Reuse program, multiple WDNR State lead funded sites, and the Wisconsin Economic Developments (WEDC) SAG and Brownfield Redevelopment programs. Her experience with redevelopment of historic fill sites, waste characterization, and obtaining exemptions to beneficially reuse impacted media on and off site has resulted in significant cost savings to developers and municipalities keeping redevelopments moving forward on time and within allotted budgets.

EDUCATION

Bachelor of Science, Geology, St. Norbert University, De Pere, Wisconsin, 1994

OSHA, Health & Safety Training for Hazardous Waste Operations, 8-hour Refresher, 2016

OSHA, Health & Safety Training for Hazardous Waste Operations, 40-hour, 1994

AWARDS

2012 Brownfield Renewal Winner for Economic Impact, P.H. Glatfelter Paper Mill Brownfield Renewal

PROJECT EXPERIENCE

BROWNFIELDS

Brownfield Grant Writing | Various Clients, Wisconsin

Assisted in preparation of numerous successful State and Federal Brownfield grant applications including: Four US EPA Brownfield Assessment Grants (\$700,000 total; 2013 and 2017) and one US EPA Brownfield Area-Wide Planning Grant (\$200,000; 2013) for the City of Green Bay, Wisconsin; two US EPA Brownfield Assessment Grants for City of Neenah, Wisconsin (\$400,000 total; 2012); two US EPA Brownfield Assessment Grants for Marinette County, Wisconsin (\$400,000 total: 2010 and 2011); a WEDC Brownfield grant for Manseau Flats in Ashwaubenon (\$500,000 in 2017); a WEDC Brownfield grant for Marinette County Association of Business and Industry (\$500,000 in 2016); a WEDC Brownfield grant for GB Hotel in Ashwaubenon, WI (\$497,000 in 2015); a WEDC Brownfield grant for T-Wall Enterprises, LLC in Green Bay, WI (\$500,000; 2013); a WEDC SAG grant for Village of Ashwaubenon (\$37,000 in 2016) a WEDC Brownfield Site Assessment Grant (SAG) for Price County, WI (\$36,700; 2013); a WEDC SAG for City of Neenah (\$53,414 in 2012); two WEDC Brownfield grants (totaling \$178,000; 2012 and 2010) and 2 WDNR Ready For Reuse grants (totaling \$429,469; 2009) for the City of Neenah, Wisconsin; a WEDC Brownfield Grant for the City of Shawano (\$400,000; 2008) as well as several other WDNR SAG for municipalities in Wisconsin.

Glatfelter Mill Redevelopment | Neenah, Wisconsin

Lynelle is the project manager and led the investigation and remediation at the Glatfelter Mill site. This banner project involved transforming a 16-acre site from a closed paper mill to a mixed-use redevelopment which included the Plexus Global headquarters. There were numerous challenges associated with redevelopment of this 130 year old paper mill site. The huge size of the specialized mill buildings and the cost associated with their demolition were initial challenges. In order to reduce costs and to conduct the demolition in a sustainable manner that would maximize reuse of materials, three key strategies were implemented. First, basement floor slabs and foundation walls were left in place throughout a majority of the site to serve as engineered barriers to prevent direct contact with fill materials during construction, and to eliminate the waste of disposing of an enormous volume of material with little associated economic or environmental benefit. Secondly, following asbestos abatement, all inert demolition materials were segregated into materials with and without lead-based painted surfaces. The material without lead-based paint was crushed and reused as fill in portions of the site. Demolition material with lead-based paint was crushed and used as fill in accordance with a regulatory exemption in portions of the site. Lastly, the pervasive ash fill material was capped with a two-foot clay cap or another impermeable material (e.g., asphalt or concrete) wherever a slab was absent. Prior to installing the cap, a portion of the ash waste was excavated in order to achieve the final site grade. During redevelopment of other portions of the site, including the Gateway Plaza and the Affinity Health Care Clinic, approval was obtained to place excess ash fill and masonry containing lead-based paint in a screen berm on the adjacent Arrowhead Park. This resulted in significant cost savings the City and the developer. Case closure of two separate WDNR case has been granted with the third and final release being granted conditional case closure in 2017. Final closure of the Site is expected during 2017 which will include issuance of a certificate of completion under the VPLE program.

US EPA Brownfields Assessment Grant Implementation for the City of Green Bay | Wisconsin | Project Manager

Provided technical and management oversight for implementation of two US EPA Brownfields Assessment Grants for petroleum and hazardous substances and awarded in 2013. The assessment grants were utilized to inventory brownfield properties, perform environmental assessments on 29 parcels, implementation of an area-wide plan for Velp Avenue, conduct remedial planning and assist with community involvement activities as part of a three-year contract. All data is being managed utilizing geographic information system (GIS) and other data management tools. In August 2017, the City obtained US EPA approval for pre-ward funding of their 2017 US EPA assessment grant to begin work at select sites prior to the typical October 1 start date.

One of many noteworthy projects included a waterfront redevelopment in the City's downtown. After obtaining US EPA approval to incur grant expenditures prior to issuing the Cooperative Agreement, Ms. Caine completed and submitted the Quality Assurance and Project Plan (QAPP) for the project within one business day of the US EPA's approval. The QAPP was conditionally approved by the US EPA within three business days of the QAPP submittal. A Phase II ESA was then conducted using pre-approved grant funds within a two-week expedited schedule in order to secure a \$12 million redevelopment project in the heart of the City's downtown. Lynelle was able to prepare and obtain approval of the eligibility determination and site specific sampling and analysis plan (SAP) for the site prior to implementation of the field work in compliance with the US EPA grant.

US EPA Brownfield Assessment Grant Implementation for the City of Neenah | Wisconsin | Project Manager

Provided technical and management oversight for implementation of two US EPA Brownfield Assessment Grants for petroleum and hazardous substances awarded in 2012 to the City of Neenah, Wisconsin including submittal and US EPA approval of a QAPP. The grants were utilized to inventory Brownfield properties, perform environmental assessments on select sites, conduct remedial planning and assist with community involvement activities as part of a three-year contract. All data was managed utilizing GIS and other data management tools.

US EPA grant funds have been critical in beginning redevelopment efforts within the City of Neenah to effectively reuse land once burdened by environmental impacts. As part of the grant 22 parcels were assessed; \$9 million dollars of private investment was leveraged; and at least 100 jobs were retained within the City. Notably, five individual parcels were assessed under the US EPA assessment grant that resulted in the construction of Gateway Towers, a five story, 60,000-square-foot, multi-tenant office building downtown. Along with the development of the office building, an additional 44 on-site and 150 off-site parking stalls was constructed. US EPA funding was used to complete Phase II environmental assessments, site investigation activities, asbestos assessment and remedial action planning efforts at one or more of the parcels. Multiple sources were used to complete the assessment and cleanup activities at the Site. The WI Petroleum Environmental Cleanup Fund Act (PECFA) was used to address the petroleum release at one of the parcels while EPA

US EPA Brownfield Assessment, Area-wide Planning for City of Green Bay | Green Bay, Wisconsin | Project Manager

Responsible for management oversight and providing technical expertise regarding the Brownfield Components of the City of Green Bay Brownfield area-wide planning grant for the University Avenue Corridor. Key components of the grant which Lynelle has completed included completion of a brownfields inventory of the corridor and incorporation of this data into the City's GIS database; review of environmental reports available for "catalyst" sites within the corridor and evaluating how the known or perceived environmental impacts are affecting redevelopment, and completion of portions of the Existing Conditions Report. Another key component of the grant includes public outreach and obtaining community input. Lynelle actively participated in the University Avenue Citizens Steering Committee which met on a monthly basis; participated in public outreach events at the UW Green Bay campus geared towards both students and faculty; and assisted with three public open houses.

US EPA Brownfields Assessment Grant Implementation for Marinette County | Wisconsin

Provided technical and management oversight for implementation of two US EPA Brownfields Assessment Grants for petroleum and hazardous substances awarded in 2010 and 2011. Funding was used to complete a brownfield inventory including a heavy GIS component, Phase I and II ESAs, site investigations, reuse planning alternatives for a failing mall, and development of remedial action plans for multiple properties. Other project activities include preparation of initial site eligibility determination forms, a QAPP, site specific sampling and analysis plan, quarterly and annual progress reports, and compliance with US EPA and State of Wisconsin reporting requirements. Community outreach also played an important role in the success of these projects. Ms. Caine was instrumental in coordinating and conducting outreach events on behalf of the County including co-presenting with Mathy Stanislaus, Assistant Administrator to the US EPA (Brownfield Program Head in Washington D.C) during a town hall style meeting in Crivitz, Wisconsin.

River Visions Partnership, Remedial Action Planning and Implementation using WEDC Brownfield Grant | Green Bay, Wisconsin

Served as the project manager for redevelopment of a former brownfield site in downtown Green Bay a key brownfield site along the Fox River which has sat idle for over a decade. Ms. Caine was retained to develop a remedial action plan and implement the cleanup activities under the WEDC BEBR Grant. Lynelle worked closely with the developer, the city of Green Bay, and the WDNR to expedite approval of the remedial action plan. She was instrumental in leveraging additional funding to complete site investigation work at the property through the City of Green Bay's US EPA site assessment grant. Cleanup goals were achieved through the combination of soil excavation, passive vapor mitigation, installation of a vapor barrier and an installation of an engineered cap. Case closure of the site has been obtained. The final use of the property includes a Children's Museum, Hagemeister Park (a restaurant), and condominiums with mixed commercial and residential use along the Fox River.

T-Wall Enterprises Remedial Action Planning and Implementation using WEDC Brownfield Grant | Green Bay, Wisconsin | Project Manager

Lynelle worked closely with City staff, Smet Construction, and T-Wall Enterprises to complete an expedited Phase II ESA at an idle brownfield site in the heart of the City of Green Bay's downtown. A Phase II ESA was completed within a two week time frame while at the same time obtaining expedited approvals through the WDNR and US EPA to maximize funding through the City's US EPA assessment grant funds. Upon completion of the Phase II ESA, a remedial action plan was developed and approval obtained to beneficially reuse the soil at an off-site licensed disposal facility. In order to secure financing for the project, Stantec assisted the developer in obtaining a \$500,000 WEDC Brownfield grant. Groundwater monitoring was performed along with soil excavation and oversight activities completed and WDNR closure of the Site granted.

Upon completion of the Phase II ESA, a remedial action plan was developed and approval obtained to beneficially reuse the soil at an off-site licensed disposal facility. In order to secure financing for the project, Stantec assisted the developer in obtaining a \$500,000 Wisconsin Economic Development Corporation Brownfield grant. Groundwater monitoring was performed and soil excavation activities and oversight are currently ongoing and expected to be complete by the end of 2014. WDNR closure of the Site is expected in the Spring 2015.

Appendix C USER PROVIDED RECORDS



USER QUESTIONNAIRE FOR PHASE I ENVIRONMENTAL ASSESSMENT

Property Addresses:

3731 Finger Road, 3714 and 3760 East Mason Street, Green Bay, WI

Parcel # 21-22, #21-24, #21-189, #21-189-1

Stantec Project #: 193708667

1165 Scheuring Road
De Pere, WI 54115

Tel 920-592-8400
Fax 920-592-8444

www.Stantec.com

This questionnaire outlines those responsibilities discussed in Section 6 of the American Society of Testing & Materials (ASTM) Method E 1527-05 "Standard Practice for Conducting Environmental Site Assessments: Phase I Environmental Site Assessment Process." Stantec is requesting this information to assist our client satisfy one of the Landowner Liability Protections (LLPs) offered by the Business Liability Relief and Brownfields Revitalization Act of 2002.

Please complete this questionnaire to the best of your ability. Upon completion of the questionnaire, please return the form to Stantec via facsimile at (920) 592-8444, mail to the above address, or email to jeff.brand@stantec.com. Should you have questions while completing this questionnaire, please contact Jeff Brand of Stantec at (920) 592-8400. Thank you.

CONTACT INFORMATION

PROPERTY OWNER: Parcels 21-24 & 21-22

Name: City of Green Bay Address: 100 N Jefferson Street

City Green Bay State: WI Zip code: 54301 Phone # 920.448.3086

TENANTS: Parcels 21-24, 21-22

Name: Detrie Farms Address: 3910 Courier Rd.

City Green Bay State: WI Zip code: 54311 Phone # 920.465.0028

Parcel 21-189-1 Dave Stahl, NB 5232 BK Line Rd., Luxemburg, WI 54217 cell 920.371.3976

PROPERTY INFORMATION/QUESTIONS

What is the Current Use of the Property? Agriculture

What are the Past Uses of Property? Agriculture

Do You Have Any Previous Environmental Reports? Yes _____ No X

Copies Sent to Buyer? Yes _____ No X

Please List the Subject of Reports: _____

Do you have any knowledge of environmental liens against the property that are filed or recorded under federal, tribal, state or local law? Yes _____ No X

If Yes, Explain _____

Do you have any knowledge of activity and land use limitations (such as land use restrictions, engineering controls, or institutional controls) that are in place on the site or that have been filed or recorded in a registry under federal, tribal, state or local law? Yes _____ No X

If Yes, Explain _____

Do you have specialized knowledge or experience related to the property or nearby properties?

For example, are you involved in the same line of business as the current or former occupants of the property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business? Yes _____ No X

If Yes, Explain _____

Do you have knowledge of any Recognized Environmental Conditions (RECs) associated with the Property?

The term REC means the presence or likely presence of any hazardous substances or petroleum products under conditions that indicate an existing release, past release, or a material threat of a release into structures on the property or into the ground, groundwater, or surface water of the property. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. Yes _____ No X

If Yes, Explain _____

Does the purchase price of the property reasonably reflect the fair market value of the property? Yes X No _____

If No, is lower purchase price due to known or perceived contamination at the property?

Explain: _____

To the best of your knowledge, are there currently or have there been storage tanks (above or underground) located or used on the Property? Yes _____ No X

If Yes, Explain (location, size, contents, age, etc.) _____

To the best of your knowledge, are there currently or have there been petroleum products and/or hazardous substances used or stored on the Property? Yes _____ No X

If Yes, Explain (location, size, contents, age, etc.) _____

To the best of your knowledge, are you aware of any spills of chemicals or petroleum products that have taken place at the Property? Yes _____ No X

If Yes, Explain (location, size, contents, age, etc.) _____

To the best of your knowledge, do you know of any environmental cleanups that have taken place at the Property? Yes _____ No X

If Yes, Explain _____

To the best of your knowledge, are you aware of any obvious indications of contamination at the Property? No ☒ Yes _____

If Yes, Explain _____

To the best of your knowledge, do you know of any environmental cleanups or environmental issues that have taken place near or adjacent to the Property? No ☒ Yes _____

If Yes, Explain _____

Who provides water to the Property? City of Green Bay Private Well? ? unknown

Who provides sewer services to the Property? City of Green Bay Private Septic? ? unknown

SIGNATURE

Signature of Person Completing Form: Wendy M. Townsend

Printed Name of Person Completing Form: Wendy M. Townsend

Date: 11/3/21

Affiliation with the Property: owner

Years Affiliated with Property: 7 years since _____

Years You Owned the Property (if applicable): approximately 2010 $\pm$ 11 years

Years You Operated at the Property (if applicable): leased out

Weber, Evan

From: Steven Grenier <Steven.Grenier@greenbaywi.gov>
Sent: Monday, November 8, 2021 9:38 AM
To: Matthew Buchanan; Wendy Townsend
Cc: Weber, Evan
Subject: RE: Finger Road Parcels - Phase I ESA

Matt,

Of course! The soil stockpiles were generated when the section of East Mason Street from Erie Road to the connection at Finger (top right of your photo) was constructed.

Steve

Steven M. Grenier, P.E.

Director of Public Works

City of Green Bay
Department of Public Works
920.448.3097
steven.grenier@greenbaywi.gov
greenbaywi.gov

From: Matthew Buchanan
Sent: Monday, November 8, 2021 9:30 AM
To: Wendy Townsend <Wendy.Townsend@greenbaywi.gov>; Steven Grenier <Steven.Grenier@greenbaywi.gov>
Cc: Weber, Evan <Evan.Weber@stantec.com>
Subject: FW: Finger Road Parcels - Phase I ESA

Wendy and Steve,

Would either of you know the source of the soil stockpiles currently placed on Parcel 21-189? This is the parcel immediately east of S. Grandview Rd between Finer and Mason.

Thanks!
Matt



Matt Buchanan, AICP

Economic Development Specialist

City of Green Bay
Community & Economic Development Department
920.448.3396
greenbaywi.gov

From: Weber, Evan <Evan.Weber@stantec.com>
Sent: Monday, November 8, 2021 9:25 AM
To: Matthew Buchanan <Matthew.Buchanan@greenbaywi.gov>
Subject: RE: Finger Road Parcels - Phase I ESA

Good morning Matt,

The Finger Road Phase II ESA is going through review and one question that came up was whether the City knows where the soil stockpiles situated on parcel 21-189 came from. We were hoping you or public works might have that answer? My guess is the material was likely generated from the East Mason/Finger Road reconstruction but want to confirm? Could you clarify this for us?

Thank you,

Evan J. Weber

Environmental Scientist

Direct: 920 592-8400 ext 3218
Mobile: 920 309-2509
evan.weber@stantec.com

Stantec
1165 Scheuring Road
De Pere WI 54115-1001



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Appendix D ENVIRONMENTAL AGENCY DATABASE SEARCH REPORT

Green Bay - Finger Road Parcels

3731 Finger Road

Green Bay, WI 54311

Inquiry Number: 6702595.2s

October 13, 2021

The EDR Radius Map™ Report with GeoCheck®



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

3731 FINGER ROAD
GREEN BAY, WI 54311

COORDINATES

Latitude (North): 44.4885400 - 44° 29' 18.74"
Longitude (West): 87.8922600 - 87° 53' 32.13"
Universal Transverse Mercator: Zone 16
UTM X (Meters): 429051.3
UTM Y (Meters): 4926306.5
Elevation: 787 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 5952375 BELLEVUE, WI
Version Date: 2013

Northeast Map: 5951815 NEW FRANKEN, WI
Version Date: 2013

Southeast Map: 5951817 POLAND, WI
Version Date: 2013

Northwest Map: 5952383 GREEN BAY EAST, WI
Version Date: 2013

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 20150702
Source: USDA

MAPPED SITES SUMMARY

Target Property Address:
3731 FINGER ROAD
GREEN BAY, WI 54311

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
1	MARVIN RENTMEESTER	3731 FINGER RD	UST		TP
2	CHAD ROFFERS TRUCKIN	3696 W MASON ST	SHWIMS	Lower	72, 0.014, SW
3	GREEN BAY - GRANDVIE	645 S GRANDVIEW RD	AST	Lower	102, 0.019, WSW
4	J & J GROCERY	4090 FINGER RD	LUST, CRS, AUL	Higher	2631, 0.498, East

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 8 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
MARVIN RENTMEESTER 3731 FINGER RD GREEN BAY, WI 54301	UST Fire Dept ID: 0504	N/A

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL..... National Priority List
Proposed NPL..... Proposed National Priority List Sites
NPL LIENS..... Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL..... National Priority List Deletions

Federal CERCLIS list

FEDERAL FACILITY..... Federal Facility Site Information listing
SEMS..... Superfund Enterprise Management System

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE..... Superfund Enterprise Management System Archive

Federal RCRA CORRACTS facilities list

CORRACTS..... Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF..... RCRA - Treatment, Storage and Disposal

Federal RCRA generators list

RCRA-LQG..... RCRA - Large Quantity Generators

EXECUTIVE SUMMARY

RCRA-SQG..... RCRA - Small Quantity Generators
RCRA-VSQG..... RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

Federal institutional controls / engineering controls registries

LUCIS..... Land Use Control Information System
US ENG CONTROLS..... Engineering Controls Sites List
US INST CONTROLS..... Institutional Controls Sites List

Federal ERNS list

ERNS..... Emergency Response Notification System

State- and tribal - equivalent CERCLIS

SHWS..... Hazard Ranking List
WI ERP..... Environmental Repair Program Database

State and tribal landfill and/or solid waste disposal site lists

SWF/LF..... List of Licensed Landfills
WDS..... Registry of Waste Disposal Sites

State and tribal leaking storage tank lists

LAST..... Leaking Aboveground Storage Tank Listing
INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

FEMA UST..... Underground Storage Tank Listing
INDIAN UST..... Underground Storage Tanks on Indian Land

State and tribal institutional control / engineering control registries

CRS..... Closed Remediation Sites

State and tribal voluntary cleanup sites

VCP..... Voluntary Party Liability Exemption Sites
INDIAN VCP..... Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

BEAP..... Brownfields Environmental Assessment Program
BROWNFIELDS..... Brownfields Site Locations Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY..... Recycling Center Listing

EXECUTIVE SUMMARY

INDIAN ODI.....	Report on the Status of Open Dumps on Indian Lands
DEBRIS REGION 9.....	Torres Martinez Reservation Illegal Dump Site Locations
ODI.....	Open Dump Inventory
IHS OPEN DUMPS.....	Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL.....	Delisted National Clandestine Laboratory Register
CDL.....	Clandestine Drug Lab Listing
US CDL.....	National Clandestine Laboratory Register
PFAS.....	PFAS Contamination Site Location Listing

Local Land Records

LIENS.....	Environmental Liens Listing
LIENS 2.....	CERCLA Lien Information

Records of Emergency Release Reports

HMIRS.....	Hazardous Materials Information Reporting System
SPILLS.....	Spills Database
AGSPILLS.....	Agricultural Spill Cases
SPILLS 90.....	SPILLS 90 data from FirstSearch
SPILLS 80.....	SPILLS 80 data from FirstSearch

Other Ascertainable Records

RCRA NonGen / NLR.....	RCRA - Non Generators / No Longer Regulated
FUDS.....	Formerly Used Defense Sites
DOD.....	Department of Defense Sites
SCRD DRYCLEANERS.....	State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR.....	Financial Assurance Information
EPA WATCH LIST.....	EPA WATCH LIST
2020 COR ACTION.....	2020 Corrective Action Program List
TSCA.....	Toxic Substances Control Act
TRIS.....	Toxic Chemical Release Inventory System
SSTS.....	Section 7 Tracking Systems
ROD.....	Records Of Decision
RMP.....	Risk Management Plans
RAATS.....	RCRA Administrative Action Tracking System
PRP.....	Potentially Responsible Parties
PADS.....	PCB Activity Database System
ICIS.....	Integrated Compliance Information System
FTTS.....	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS.....	Material Licensing Tracking System
COAL ASH DOE.....	Steam-Electric Plant Operation Data
COAL ASH EPA.....	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER.....	PCB Transformer Registration Database
RADINFO.....	Radiation Information Database
HIST FTTS.....	FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS.....	Incident and Accident Data
CONSENT.....	Superfund (CERCLA) Consent Decrees
INDIAN RESERV.....	Indian Reservations
FUSRAP.....	Formerly Utilized Sites Remedial Action Program

EXECUTIVE SUMMARY

UMTRA.....	Uranium Mill Tailings Sites
LEAD SMELTERS.....	Lead Smelter Sites
US AIRS.....	Aerometric Information Retrieval System Facility Subsystem
US MINES.....	Mines Master Index File
ABANDONED MINES.....	Abandoned Mines
FINDS.....	Facility Index System/Facility Registry System
DOCKET HWC.....	Hazardous Waste Compliance Docket Listing
UXO.....	Unexploded Ordnance Sites
ECHO.....	Enforcement & Compliance History Information
FUELS PROGRAM.....	EPA Fuels Program Registered Listing
AIRS.....	Air Permit Program Listing
ASBESTOS.....	ASBESTOS
BRRTS.....	Bureau of Remediation & Redevelopment Tracking System
COAL ASH.....	Coal Ash Disposal Site Listing
DRYCLEANERS.....	Five Star Recognition Program Sites
Financial Assurance.....	Financial Assurance Information Listing
LEAD.....	Lead Inspection Data
MANIFEST.....	Hazardous Waste Manifest Data
NPDES.....	NPDES Permit Listing
TIER 2.....	Tier 2 Facility Listing
WI WRRSER.....	Wisconsin Remedial Response Site Evaluation Report
MINES MRDS.....	Mineral Resources Data System

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP.....	EDR Proprietary Manufactured Gas Plants
EDR Hist Auto.....	EDR Exclusive Historical Auto Stations
EDR Hist Cleaner.....	EDR Exclusive Historical Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF.....	Recovered Government Archive Solid Waste Facilities List
RGA LUST.....	Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

EXECUTIVE SUMMARY

STANDARD ENVIRONMENTAL RECORDS

State and tribal landfill and/or solid waste disposal site lists

SHWIMS: Information on sites, and facilities operating at sites, that are regulated by the Waste Management program

A review of the SHWIMS list, as provided by EDR, and dated 06/21/2021 has revealed that there is 1 SHWIMS site within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CHAD ROFFERS TRUCKIN FID: 405228560 Status: OPERATING	3696 W MASON ST	SW 0 - 1/8 (0.014 mi.)	2	9

State and tribal leaking storage tank lists

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the Department of Natural Resource's LUST Database.

A review of the LUST list, as provided by EDR, and dated 06/23/2021 has revealed that there is 1 LUST site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
J & J GROCERY Facility Status: CLOSED Site Id: 8044200 Facility ID: NONE	4090 FINGER RD	E 1/4 - 1/2 (0.498 mi.)	4	11

State and tribal registered storage tank lists

AST: The Aboveground Storage Tank database contains registered ASTs. The data come from the Department of Industry, Labor & Human Resources' List: All Aboveground Storage Tanks Except for Fuel Oil.

A review of the AST list, as provided by EDR, and dated 06/07/2021 has revealed that there is 1 AST site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
GREEN BAY - GRANDVIE Fire Dept ID: 0504	645 S GRANDVIEW RD	WSW 0 - 1/8 (0.019 mi.)	3	9

EXECUTIVE SUMMARY

State and tribal institutional control / engineering control registries

AUL: Date a deed restriction is recorded at the Register of Deeds office for a property. Extent of soil contamination is known but impracticable to remove now or an engineering control is required to be maintained or NR720 industrial stds are applied. Restricts property use or requires future actions.

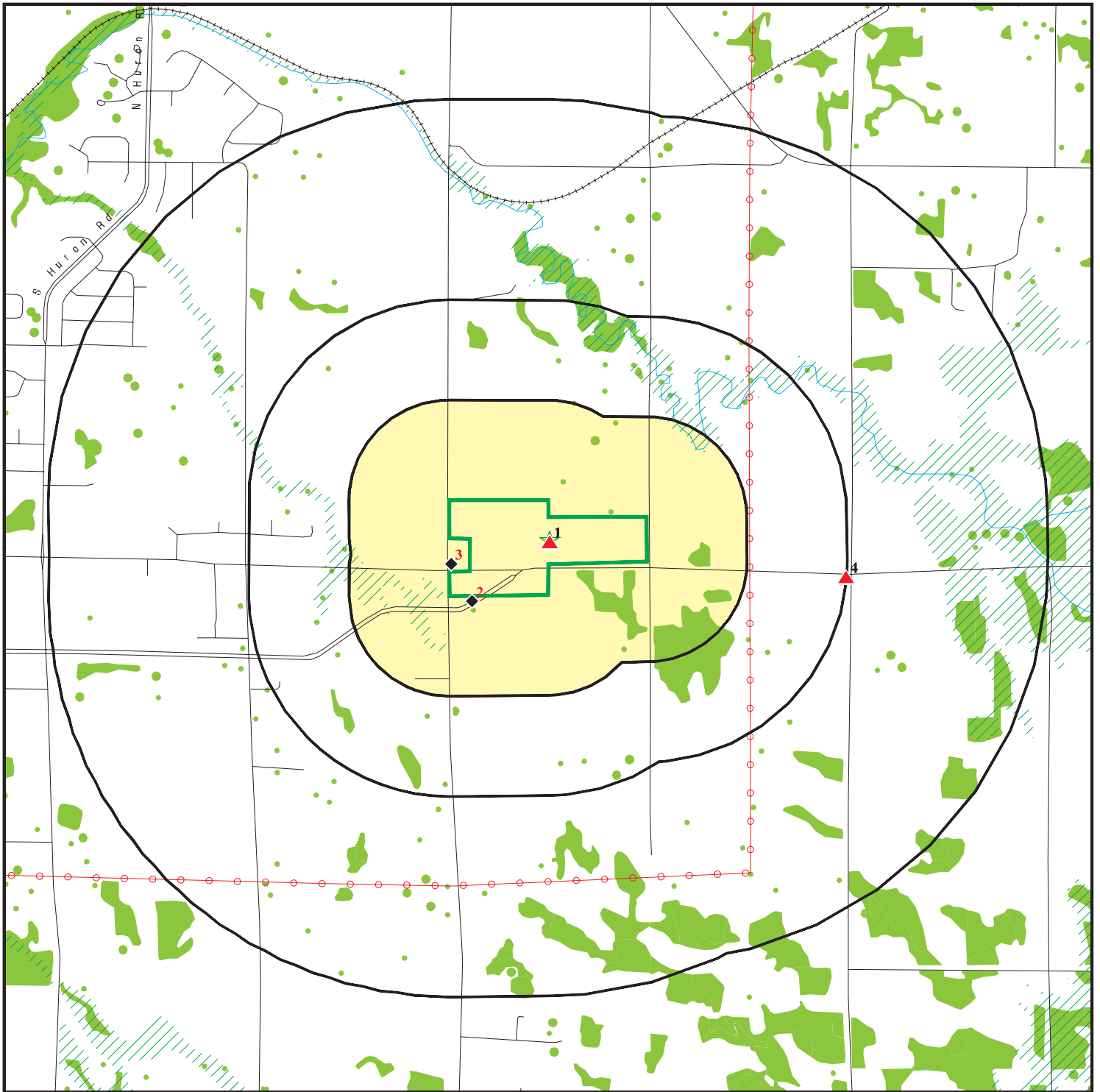
A review of the AUL list, as provided by EDR, and dated 06/23/2021 has revealed that there is 1 AUL site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
J & J GROCERY Status: CLOSED Site Id: 8044200 Facid: NONE	4090 FINGER RD	E 1/4 - 1/2 (0.498 mi.)	4	11

EXECUTIVE SUMMARY

There were no unmapped sites in this report.

OVERVIEW MAP - 6702595.2S



 Target Property

 Sites at elevations higher than or equal to the target property

 Sites at elevations lower than the target property

 Manufactured Gas Plants

 National Priority List Sites

 Dept. Defense Sites

 Indian Reservations BIA

 Power transmission lines

 Special Flood Hazard Area (1%)

 0.2% Annual Chance Flood Hazard

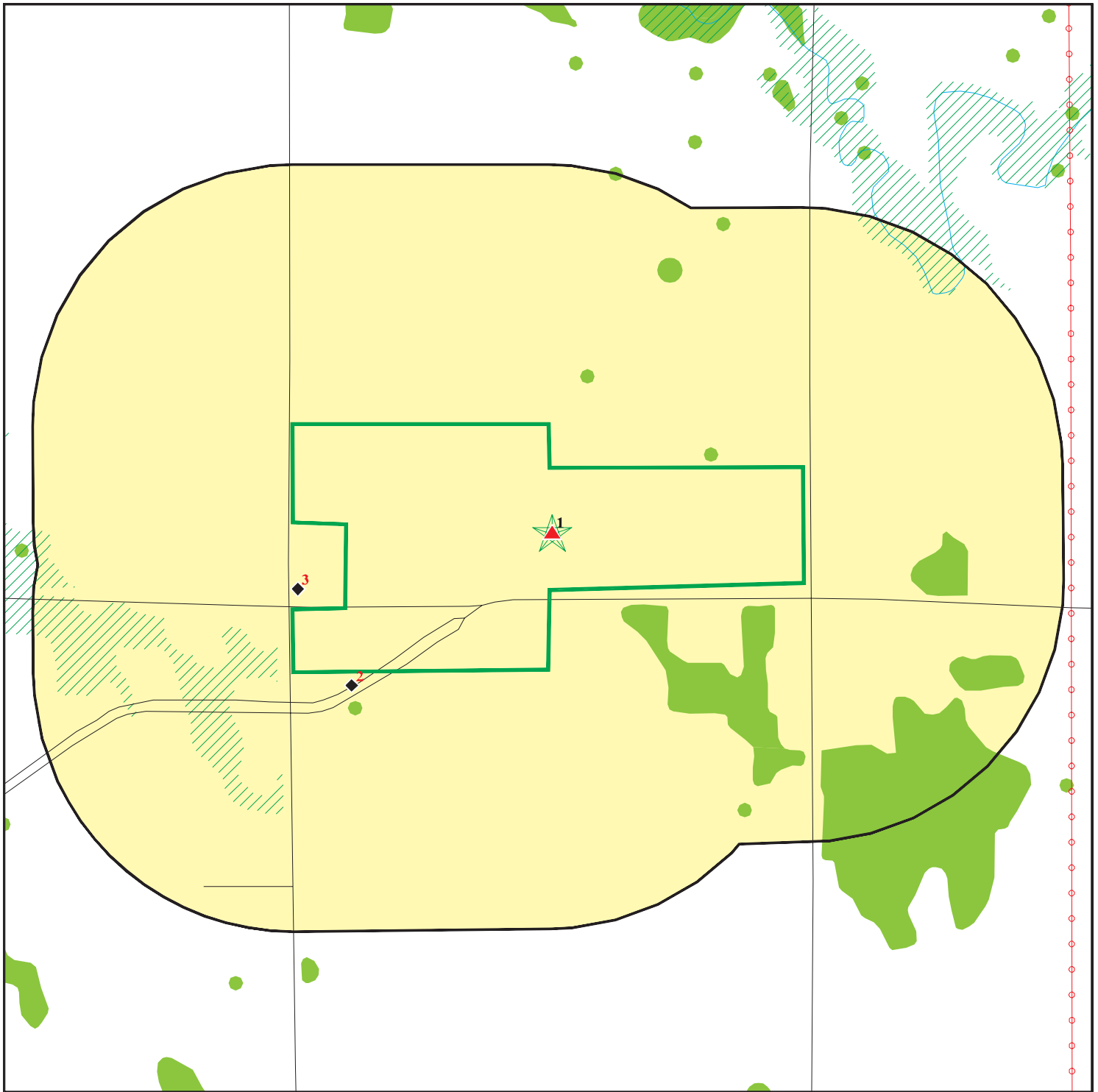
 National Wetland Inventory

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Green Bay - Finger Road Parcels
ADDRESS: 3731 Finger Road
Green Bay WI 54311
LAT/LONG: 44.48854 / 87.89226

CLIENT: Stantec
CONTACT: Jeff Brand
INQUIRY #: 6702595.2s
DATE: October 13, 2021 6:11 pm

DETAIL MAP - 6702595.2S



-  Target Property
-  Sites at elevations higher than or equal to the target property
-  Sites at elevations lower than the target property
-  Manufactured Gas Plants
-  Sensitive Receptors
-  National Priority List Sites
-  Dept. Defense Sites

-  Indian Reservations BIA
-  Power transmission lines
-  Special Flood Hazard Area (1%)
-  0.2% Annual Chance Flood Hazard
-  National Wetland Inventory

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Green Bay - Finger Road Parcels
 ADDRESS: 3731 Finger Road
 Green Bay WI 54311
 LAT/LONG: 44.48854 / 87.89226

CLIENT: Stantec
 CONTACT: Jeff Brand
 INQUIRY #: 6702595.2s
 DATE: October 13, 2021 6:12 pm

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
<i>Federal NPL site list</i>								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
<i>Federal Delisted NPL site list</i>								
Delisted NPL	1.000		0	0	0	0	NR	0
<i>Federal CERCLIS list</i>								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
<i>Federal CERCLIS NFRAP site list</i>								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
<i>Federal RCRA CORRACTS facilities list</i>								
CORRACTS	1.000		0	0	0	0	NR	0
<i>Federal RCRA non-CORRACTS TSD facilities list</i>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<i>Federal RCRA generators list</i>								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
<i>Federal institutional controls / engineering controls registries</i>								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
<i>Federal ERNS list</i>								
ERNS	TP		NR	NR	NR	NR	NR	0
<i>State- and tribal - equivalent CERCLIS</i>								
SHWS	1.000		0	0	0	0	NR	0
WI ERP	0.500		0	0	0	NR	NR	0
<i>State and tribal landfill and/or solid waste disposal site lists</i>								
SWF/LF	0.500		0	0	0	NR	NR	0
WDS	0.500		0	0	0	NR	NR	0
SHWIMS	0.500		1	0	0	NR	NR	1
<i>State and tribal leaking storage tank lists</i>								
LUST	0.500		0	0	1	NR	NR	1

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
LAST	0.500		0	0	0	NR	NR	0
INDIAN LUST	0.500		0	0	0	NR	NR	0
State and tribal registered storage tank lists								
FEMA UST	0.250	1	0	0	NR	NR	NR	0
UST	0.250		0	0	NR	NR	NR	1
AST	0.250		1	0	NR	NR	NR	1
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal institutional control / engineering control registries								
CRS	TP		NR	NR	NR	NR	NR	0
AUL	0.500		0	0	1	NR	NR	1
State and tribal voluntary cleanup sites								
VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
BEAP	0.500		0	0	0	NR	NR	0
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
SWRCY	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	TP		NR	NR	NR	NR	NR	0
CDL	TP		NR	NR	NR	NR	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
PFAS	0.500		0	0	0	NR	NR	0
Local Land Records								
LIENS	TP		NR	NR	NR	NR	NR	0
LIENS 2	TP		NR	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
SPILLS	TP		NR	NR	NR	NR	NR	0
AGSPILLS	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
SPILLS 90	TP		NR	NR	NR	NR	NR	0
SPILLS 80	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
ECHO	TP		NR	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
AIRS	TP		NR	NR	NR	NR	NR	0
ASBESTOS	TP		NR	NR	NR	NR	NR	0
BRRTS	TP		NR	NR	NR	NR	NR	0
COAL ASH	0.500		0	0	0	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
LEAD	TP		NR	NR	NR	NR	NR	0
MANIFEST	0.250		0	0	NR	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
TIER 2	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
WI WRRSER	TP		NR	NR	NR	NR	NR	0
MINES MRDS	TP		NR	NR	NR	NR	NR	0

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF	TP		NR	NR	NR	NR	NR	0
RGA LUST	TP		NR	NR	NR	NR	NR	0

- Totals --		1	2	0	2	0	0	5
-------------	--	---	---	---	---	---	---	---

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

1
Target
Property

MARVIN RENTMEESTER
3731 FINGER RD
GREEN BAY, WI 54301

UST **U002210845**
N/A

Actual:
787 ft.

UST:

Name: MARVIN RENTMEESTER
Address: 3731 FINGER RD
City,State,Zip: GREEN BAY, WI 54301
License: Not reported
License Type: Registration
License Number: 108631
Expiration Date: Not reported
Licensee: Marvin Rentmeester
Facility Reference Number: 108631|108631
Fire Dept ID: 0504
Federally Regulated: Formerly
Tank ID: 255882
Municipality Name: Not reported
Tank Reference Number: 255882|050400566
Equipment Wang ID: 050400566
Tank Type: Underground Storage Tank
Tank Status: Closed/Removed
Tank Contents: Leaded Gasoline
Capacity: 300.00
Install Date: Not reported
Construction Material: Coated Steel
Marketer: N
Tank Occupancy: Agricultural
Corrosion Protection Type: Not reported
Overfill Protection Type: Not Installed
Leak Detection: Unknown
Leak Test Method: Not reported
Spill Protection: Not Installed
Containment Sump Installed: Not reported
Wall Size: Not reported
Dispenser Sump Installed: N
Overfill Protection: Not Installed
Date of Lining: Not reported
Lining Inspection Date: Not reported
CAS Number: Not reported
Pipe Type: Not reported
Pipe Status: Not reported
Pipe Aboveground Piping: N
Pipe Underground Piping: N
Pipe Construction Material: Not reported
Pipe Wall Type: Not reported
Pipe UST Manifolded: Not reported
Pipe Related Tank ID: Not reported
Pipe Catastrophic Leak Detection: Not reported
Pipe System Type: Not reported
Pipe Flex Connector: Not reported
Pipe Leak Test Method: Not reported
Pipe Leak Detection: Not reported
Pipe Corrosion Protection: Not reported
Latest Test Name: Not reported
Latest Test Date: Not reported
Latest Test Expiration Date: Not reported

Detail as of 12/2016:

Tank Status Date: 10/01/1986

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MARVIN RENTMEESTER (Continued)

U002210845

Site Municipality: C
Land Owner Type: Private
Town Customer ID: 342108
Owner Name: MARVIN RENTMEESTER
Owner Address: 3731 FINGER RD
Owner Address 2: Not reported
Owner City: GREEN BAY
Owner State: WI
Owner Zip: 54311
Building Name: MARVIN RENTMEESTER
Building Address: 3731 FINGER RD
Building City: GREEN BAY
Building Zip: 54301

2
SW
< 1/8
0.014 mi.
72 ft.

CHAD ROFFERS TRUCKING
3696 W MASON ST
HOBART, WI 54313

SHWIMS S127333385
N/A

Relative:
Lower

SHWIMS:
Name: CHAD ROFFERS TRUCKING
Address: 3696 W MASON ST
City,State,Zip: HOBART, WI 54313
FID: 405228560
Status: OPERATING
Region: NORTHEAST

Actual:
781 ft.

3
WSW
< 1/8
0.019 mi.
102 ft.

GREEN BAY - GRANDVIEW BOOSTER STATION
645 S GRANDVIEW RD
GREEN BAY, WI 54301

AST A100407849
N/A

Relative:
Lower

AST:
Name: GREEN BAY - GRANDVIEW BOOSTER STATION
Address: 645 S GRANDVIEW RD
City,State,Zip: GREEN BAY, WI 54301
License: Not reported
License Type: Registration
License Number: 454515
Expiration Date: Not reported
Licensee: City Of Green Bay
Facility Reference Number: 747483|809633
Fire Dept ID: 0504
Federally Regulated: No
Municipality Name: City of Green Bay
Tank ID: 17963
Tank Reference Number: 1528433|
Equipment Wang ID: Not reported
Tank Type: Aboveground Storage Tank
Tank Status: In Use
Tank Contents: Diesel
Capacity: 850.00
Install Date: 3/16/2015 12:00:00 AM

Actual:
786 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GREEN BAY - GRANDVIEW BOOSTER STATION (Continued)

A100407849

Construction Material:	Bare Steel
Marketer:	N
Tank Occupancy:	Optional Standby Gen
Corrosion Protection Type:	External Coating
Overfill Protection Type:	Not Installed
Leak Detection:	Interstitial Monitor
Leak Test Method:	Not reported
Spill Protection:	Installed
Wall Size:	Double
Containment Sump Installed:	N
Dispenser Sump Installed:	N
Overfill Protection:	Not Installed
Date of Lining:	Not reported
Lining Inspection Date:	Not reported
CAS Number:	Not reported
Pipe Type:	Not reported
Pipe Status:	Not reported
Pipe Aboveground Piping:	N
Pipe Underground Piping:	N
Pipe Construction Material:	Not reported
Pipe Wall Type:	Not reported
Pipe UST Manifolded:	Not reported
Pipe Related Tank ID:	Not reported
Pipe Catastrophic Leak Detection:	Not reported
Pipe System Type:	Not reported
Pipe Flex Connector:	Not reported
Pipe Leak Test Method:	Not reported
Pipe Leak Detection:	Not reported
Pipe Corrosion Protection:	Not reported
Latest Test Name:	Not reported
Latest Test Date:	Not reported
Latest Test Expiration Date:	Not reported
Detail as of 12/2016:	
Tank Status Date:	Not reported
Site Municipality:	C
Land Owner Type:	Private
Town Customer ID:	600521
Owner Name:	CITY OF GREEN BAY - RISK MANAGEMENT DIVISION
Owner Address:	100 N JEFFERSON ST RM 500
Owner Address 2:	Not reported
Owner City:	GREEN BAY
Owner State:	WI
Owner Zip:	54301
Building Name:	GREEN BAY - GRANDVIEW BOOSTER STATION
Building Address:	645 S GRANDVIEW RD
Building City:	GREEN BAY
Building Zip:	54301

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

4
East
1/4-1/2
0.498 mi.
2631 ft.

J & J GROCERY
4090 FINGER RD
HUMBOLDT TN, WI

LUST
CRS
AUL
S105164798
N/A

Relative:
Higher

LUST:

Actual:
799 ft.

Name: J & J GROCERY
Address: 4090 FINGER RD
City,State,Zip: HUMBOLDT TN, WI
Region Name: NORTHEAST
Facility ID: NONE
Status: CLOSED
Start Date: 12/06/2001
End Date: 09/22/2006
Last Action: 12/10/2020
Site Id: 8044200
Detail Seq No: 284693
Activity Type: LUST
Act Code: 340
Activity Name: J & J GROCERY
Activity Number: 0305284693
Activity Display Number: 03-05-284693
Activity Detail Address: Not reported
Activity Comments: Not reported
Jurisdiction: DNR RR
Owner Name: Not reported
Owner Addr: Not reported
Owner City,St,Zip: Not reported
Dept Of Commerce Number: 54311952390
Comm Occurrence Id: 17551
EPA Cerclis Id: Not reported
Risk Code: HIGH
Acres: .5
Acres 100: No
EPA NPL Site?: No
Dept Of Commerce Tracking: No
PECFA Funds Eligible?: Yes
Above Ground Storage Tank?: No
Drycleaner?: No
Co-contamination?: No
Public Land Survey System Desc: NE 1/4 of the NW 1/4 of Sec 07, T23N, R22E
Geo Located: Yes
DNR GIS Registry View Map Layers: Yes

Actions:

Action Date: 12/06/2001 Action Code: 1
Action Name: Notification of Hazardous Substance Discharge
Action Desc: Date DNR received notice of a discharge of a hazardous substance under s. 292.11 Wis. Stats. Discharge was discovered during an environmental assessment or laboratory analysis of soil, sediment, groundwater or vapor samples. Includes historic contamination.
Action Comments: SITE ASSESSMENT 11/19/2001

Action Date: 12/11/2001 Action Code: 2
Action Name: Responsible Party (RP) letter sent
Action Desc: Date of DNR letter to responsible party (RP) notifying them of state law responsibilities associated with the investigation and cleanup of a hazardous substance discharge to the environment.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

J & J GROCERY (Continued)

S105164798

Action Comments: Not reported

Action Date: 07/29/2004 Action Code: 43
Action Name: Site Activity Status Update Received
Action Desc: Date DNR received an update regarding site activities.
Action Comments: MONITORING WELL ABANDONMENT FORMS

Action Date: 05/06/2004 Action Code: 43
Action Name: Site Activity Status Update Received
Action Desc: Date DNR received an update regarding site activities.
Action Comments: GIS PACKET

Action Date: 05/26/2004 Action Code: 43
Action Name: Site Activity Status Update Received
Action Desc: Date DNR received an update regarding site activities.
Action Comments: LETTER FROM RP STATING LEGAL DESCRIPTION IS CORRECT, COPY OF CERT.
MAIL RECEIPT FOR APPENDIX A LETTE

Action Date: 06/14/2004 Action Code: 84
Action Name: Remaining Actions Needed
Action Desc: Date DNR sends a letter outlining the remaining actions needed to
achieve final closure. The site will not be formally closed until
receipt of documentation. This action was formerly known as
conditional closure.
Action Comments: Not reported

Action Date: 06/14/2004 Action Code: 50
Action Name: GIS Registry Site
Action Desc: Site conditions merit placement on GIS registry.
Action Comments: SOIL & GW

Action Date: 06/14/2004 Action Code: 52
Action Name: Deed Restriction for Residual Soil Contamination Recorded
Action Desc: Deed Restriction was recorded at the Register of Deeds, due to
residual soil contamination, to ensure that land use does not pose a
health threat. If the soils are made accessible, additional action is
required.
Action Comments: Not reported

Action Date: 06/14/2004 Action Code: 85
Action Name: NR 720.19 Performance Based Closure
Action Desc: [OBSOLETE] Closure using soil performance standards in place of RCLs
for soil. Deed restrictions and/or maintenance may be needed. Public
notice required to be posted by RP.
Action Comments: MAINTAIN EXISTING SURFACE COVER

Action Date: 04/28/2004 Action Code: 179
Action Name: Case Closure Review Request Received (non-fee)
Action Desc: Date DNR received a case Closure Review Request for a site where the
fee has previously been paid or no fee is required (i.e. Voluntary
Party Liability Exemption).
Action Comments: Not reported

Action Date: 05/16/2003 Action Code: 710
Action Name: Database Fee Paid for Soil Continuing Obligation(s)
Action Desc: Date fee received for residual soil contamination and related
continuing obligations.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

J & J GROCERY (Continued)

S105164798

Action Comments: Not reported

Action Date: 05/16/2003

Action Code: 37

Action Name:

Site Investigation Report (SIR) Received (non-fee)

Action Desc:

Date DNR received a site investigation report (SIR) to determine degree & extent of contamination and form a basis for choosing the appropriate remedial action.

Action Comments:

Not reported

Action Date: 05/27/2003

Action Code: 80

Action Name:

Closure Not Recommended

Action Desc:

Date DNR sends a letter in response to a request for closure review. Letter outlines the reasons DNR cannot recommend site closure at this time.

Action Comments:

ADDITIONAL GW MONITORING NEEDED

Action Date: 05/16/2003

Action Code: 79

Action Name:

Case Closure Review Request Received

Action Desc:

Date DNR Project Manager determined that the Case Closure - (Form 4400-202) submittal was administratively complete and appropriate fees have been paid for the review.

Action Comments:

Not reported

Action Date: 05/16/2003

Action Code: 700

Action Name:

Database Fee Paid for Groundwater Continuing Obligation(s)

Action Desc:

Date fee received for residual groundwater contamination and related continuing obligations.

Action Comments:

Not reported

Action Date: 12/04/2002

Action Code: 43

Action Name:

Site Activity Status Update Received

Action Desc:

Date DNR received an update regarding site activities.

Action Comments:

GW SAMPLING RESULTS

Action Date: 01/04/2002

Action Code: 35

Action Name:

Site Investigation Workplan (SIWP) Received (non-fee)

Action Desc:

Date DNR received a site investigation workplan (SIWP) which states the objectives of the site investigation to determine the degree and extent of contamination.

Action Comments:

Not reported

Action Date: 01/08/2002

Action Code: 30

Action Name:

Site Investigation Workplan (SIWP) Notice to Proceed (NTP)

Action Desc:

Date DNR provided a notice to proceed (NTP) with site investigation activities. This is not an official approval of the workplan and no fee was collected for review. An NTP may be via email or phone call.

Action Comments:

VERBAL

Action Date: 12/10/2020

Action Code: 171

Action Name:

Chlorinated VOC Initial Screening Completed

Action Desc:

Date DNR reviewed existing electronic site documentation for presence of chlorinated volatile organic compounds (VOC). Substances updated in the database accordingly. No additional data collected or report generated. DNR may perform a secondary review of existing chlorinated VOC data.

Action Comments:

Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

J & J GROCERY (Continued)

S105164798

Action Date:	09/22/2006	Action Code:	46
Action Name:	Impacted Right-of-Way (ROW) Notification		
Action Desc:	Contamination has impacted one or more rights-of-way (ROW). The affected right-of-way (ROW) holders have been notified by the DNR.		
Action Comments:	AUTO-POPULATED 2018-03-20		
Action Date:	09/22/2006	Action Code:	222
Action Name:	Continuing Obligation - Maintain Cap Over Contaminated Area		
Action Desc:	Closure or ongoing cleanup was approved with the requirement to maintain a cap or cover to protect against exposure to contaminated soil (direct contact) or to reduce the movement of residual contamination in soil or groundwater.		
Action Comments:	Not reported		
Action Date:	09/22/2006	Action Code:	56
Action Name:	Continuing Obligation(s) Applied		
Action Desc:	Closure or ongoing cleanup was approved with one or more continuing obligations to give notice of residual contamination; require or restrict certain actions to protect the public or environment; minimize human or environmental exposures.		
Action Comments:	Not reported		
Action Date:	09/22/2006	Action Code:	232
Action Name:	Continuing Obligation - Residual Soil Contamination		
Action Desc:	Closure or ongoing cleanup was approved with the Continuing Obligation to address residual soil contamination at or above the Residual Contamination Level (RCL) or Site Specific Residual Contaminant Level (SSRCL) per rules, when moved.		
Action Comments:	*** AUTO POPULATED AT FINAL CLOSURE DUE TO 710 ACTION ***		
Action Date:	09/22/2006	Action Code:	236
Action Name:	Continuing Obligation - Residual GW Contamination		
Action Desc:	Closure or ongoing cleanup was approved with the Continuing Obligation for residual groundwater contamination in excess of ch. NR 140 groundwater enforcement standard, to obtain DNR approval before well construction or reconstruction.		
Action Comments:	*** AUTO POPULATED AT FINAL CLOSURE DUE TO 700 ACTION ***		
Action Date:	09/15/2006	Action Code:	99
Action Name:	Miscellaneous		
Action Desc:	Miscellaneous action - See Action Comments		
Action Comments:	UPDATE LETTER - DEED RESTRICTION VS. ACT 418		
Action Date:	09/21/2006	Action Code:	43
Action Name:	Site Activity Status Update Received		
Action Desc:	Date DNR received an update regarding site activities.		
Action Comments:	DEED RESTRICTION FILED		
Action Date:	09/22/2006	Action Code:	11
Action Name:	Activity Closed		
Action Desc:	Date DNR sends a letter approving the final closure of an activity based on data provided and compliance with NR 726 and 727. No further investigation or remediation is required at this time.		
Action Comments:	Not reported		
Action Date:	10/31/2006	Action Code:	100
Action Name:	CO Packet and GIS QAQC Completed by DNR		

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

J & J GROCERY (Continued)

S105164798

Action Desc: Date DNR staff reviewed information within the Continuing Obligations Packet for completeness and readability and the geolocation was confirmed.
Action Comments: Not reported
Action Date: 10/08/2004 Action Code: 43
Action Name: Site Activity Status Update Received
Action Desc: Date DNR received an update regarding site activities.
Action Comments: CAP MAINTENANCE PLAN RECEIVED

Substances:

Substance Desc: Gasoline - Unleaded and Leaded
Amount Released: Not reported
Release Code: Not reported

Impact Number: 284696
Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

Impact Number: 460742
Impact Code: 21
Impact Comments: Contamination in Right of Way
Impact Potential: Not reported

Impact Number: 460741
Impact Code: 16
Impact Comments: Within 100 ft of Private Well
Impact Potential: Not reported

Impact Number: 576441
Impact Code: 10
Impact Comments: Direct Contact
Impact Potential: Not reported

Impact Number: 386014
Impact Code: 04
Impact Comments: Groundwater Contamination
Impact Potential: Not reported

Contacts:

Role Desc: Responsible Party
Contact Name: PERSONAL INFORMATION WITHHELD
Contact Address: 4090 FINGER RD
Contact Addr2: Not reported
Contact City,St,Zip: GREEN BAY, WI 54311
Contact Country: UNITED STATES
Company Address: GREEN BAY, WI 54311

Role Desc: DNR File Contact
Contact Name: DENISE DANELSKI
Contact Address: 2984 SHAWANO AVE
Contact Addr2: Not reported
Contact City,St,Zip: GREEN BAY, WI 54313-6727
Contact Country: UNITED STATES
Company Address: GREEN BAY, WI 54313

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

J & J GROCERY (Continued)

S105164798

Role Desc: DNR Project Manager
Contact Name: KELD LAURIDSEN
Contact Address: 2984 SHAWANO AVE
Contact Addr2: Not reported
Contact City,St,Zip: GREEN BAY, WI 54313-6727
Contact Country: UNITED STATES
Company Address: GREEN BAY, WI 54313

CRS:

Name: J & J GROCERY
Address: 4090 FINGER RD
City,State,Zip: HUMBOLDT TN, WI
DNR Activity Number: 0305284693
Site ID: Not reported
Facility ID: Not reported
Detail Seq Num: 284693
Activity Open: Not reported
X Coordinate: 688787.999
Y Coordinate: 448187.000
Start Date: 12/06/2001
End Date: 09/22/2006
Date Last Updated: Not reported

AUL:

Name: J & J GROCERY
Address: 4090 FINGER RD
City,State,Zip: HUMBOLDT TN, WI
Facid: NONE
Site Id: 8044200
Detail Seq No: 284693
Region Name: NORTHEAST
Action Comments: SOIL & GW
Action Date: 06/14/2004
Activity Type: LUST
Activity Name: J & J GROCERY
Activity Number: 0305284693
Display Number: 03-05-284693
Act Name: GIS Registry Site
ACT Description: Site conditions merit placement on GIS registry.
Activity Comments: Not reported
Detail Address: Not reported
Start Date: 12/06/2001
End Date: 09/22/2006
Last Action: 12/10/2020
Status Cd: C
Status: CLOSED
Jurisdiction: DNR RR
Risk Code: HIGH
EPA NPL Site?: No
Acres: .5
Acres 100: N
Drycleaner: No
Geo Located: Y
Owner Name: Not reported
Owner Addr: Not reported
Owner City,St,Zip: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

J & J GROCERY (Continued)

S105164798

Dept Of Commerce Number: 54311952390
Comm Occurrence Id: 17551
EPA Cerclis Id: Not reported
Dept Of Commerce Tracking: No
PECFA Funds Eligible?: Yes
Above Ground Storage Tank?: No
Co-contamination?: No
Public Land Survey System Desc: NE 1/4 of the NW 1/4 of Sec 07, T23N, R22E
DNR GIS Registry View Map Layers: Y
GIS Area Point Flag: N

Actions:

Action Date: 12/06/2001 Action Code: 1
Action Name: Notification of Hazardous Substance Discharge
Action Desc: Date DNR received notice of a discharge of a hazardous substance under s. 292.11 Wis. Stats. Discharge was discovered during an environmental assessment or laboratory analysis of soil, sediment, groundwater or vapor samples. Includes historic contamination.
Action Comments: SITE ASSESSMENT 11/19/2001

Action Date: 12/11/2001 Action Code: 2
Action Name: Responsible Party (RP) letter sent
Action Desc: Date of DNR letter to responsible party (RP) notifying them of state law responsibilities associated with the investigation and cleanup of a hazardous substance discharge to the environment.
Action Comments: Not reported

Action Date: 07/29/2004 Action Code: 43
Action Name: Site Activity Status Update Received
Action Desc: Date DNR received an update regarding site activities.
Action Comments: MONITORING WELL ABANDONMENT FORMS

Action Date: 05/06/2004 Action Code: 43
Action Name: Site Activity Status Update Received
Action Desc: Date DNR received an update regarding site activities.
Action Comments: GIS PACKET

Action Date: 05/26/2004 Action Code: 43
Action Name: Site Activity Status Update Received
Action Desc: Date DNR received an update regarding site activities.
Action Comments: LETTER FROM RP STATING LEGAL DESCRIPTION IS CORRECT, COPY OF CERT. MAIL RECEIPT FOR APPENDIX A LETTE

Action Date: 06/14/2004 Action Code: 84
Action Name: Remaining Actions Needed
Action Desc: Date DNR sends a letter outlining the remaining actions needed to achieve final closure. The site will not be formally closed until receipt of documentation. This action was formerly known as conditional closure.
Action Comments: Not reported

Action Date: 06/14/2004 Action Code: 50
Action Name: GIS Registry Site
Action Desc: Site conditions merit placement on GIS registry.
Action Comments: SOIL & GW

Action Date: 06/14/2004 Action Code: 52
Action Name: Deed Restriction for Residual Soil Contamination Recorded

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

J & J GROCERY (Continued)

S105164798

Action Desc: Deed Restriction was recorded at the Register of Deeds, due to residual soil contamination, to ensure that land use does not pose a health threat. If the soils are made accessible, additional action is required.

Action Comments: Not reported

Action Date: 06/14/2004 Action Code: 85

Action Name: NR 720.19 Performance Based Closure

Action Desc: [OBSOLETE] Closure using soil performance standards in place of RCLs for soil. Deed restrictions and/or maintenance may be needed. Public notice required to be posted by RP.

Action Comments: MAINTAIN EXISTING SURFACE COVER

Action Date: 04/28/2004 Action Code: 179

Action Name: Case Closure Review Request Received (non-fee)

Action Desc: Date DNR received a case Closure Review Request for a site where the fee has previously been paid or no fee is required (i.e. Voluntary Party Liability Exemption).

Action Comments: Not reported

Action Date: 05/16/2003 Action Code: 710

Action Name: Database Fee Paid for Soil Continuing Obligation(s)

Action Desc: Date fee received for residual soil contamination and related continuing obligations.

Action Comments: Not reported

Action Date: 05/16/2003 Action Code: 37

Action Name: Site Investigation Report (SIR) Received (non-fee)

Action Desc: Date DNR received a site investigation report (SIR) to determine degree & extent of contamination and form a basis for choosing the appropriate remedial action.

Action Comments: Not reported

Action Date: 05/27/2003 Action Code: 80

Action Name: Closure Not Recommended

Action Desc: Date DNR sends a letter in response to a request for closure review. Letter outlines the reasons DNR cannot recommend site closure at this time.

Action Comments: ADDITIONAL GW MONITORING NEEDED

Action Date: 05/16/2003 Action Code: 79

Action Name: Case Closure Review Request Received

Action Desc: Date DNR Project Manager determined that the Case Closure - (Form 4400-202) submittal was administratively complete and appropriate fees have been paid for the review.

Action Comments: Not reported

Action Date: 05/16/2003 Action Code: 700

Action Name: Database Fee Paid for Groundwater Continuing Obligation(s)

Action Desc: Date fee received for residual groundwater contamination and related continuing obligations.

Action Comments: Not reported

Action Date: 12/04/2002 Action Code: 43

Action Name: Site Activity Status Update Received

Action Desc: Date DNR received an update regarding site activities.

Action Comments: GW SAMPLING RESULTS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

J & J GROCERY (Continued)

S105164798

Action Date:	01/04/2002	Action Code:	35
Action Name:	Site Investigation Workplan (SIWP) Received (non-fee)		
Action Desc:	Date DNR received a site investigation workplan (SIWP) which states the objectives of the site investigation to determine the degree and extent of contamination.		
Action Comments:	Not reported		
Action Date:	01/08/2002	Action Code:	30
Action Name:	Site Investigation Workplan (SIWP) Notice to Proceed (NTP)		
Action Desc:	Date DNR provided a notice to proceed (NTP) with site investigation activities. This is not an official approval of the workplan and no fee was collected for review. An NTP may be via email or phone call.		
Action Comments:	VERBAL		
Action Date:	12/10/2020	Action Code:	171
Action Name:	Chlorinated VOC Initial Screening Completed		
Action Desc:	Date DNR reviewed existing electronic site documentation for presence of chlorinated volatile organic compounds (VOC). Substances updated in the database accordingly. No additional data collected or report generated. DNR may perform a secondary review of existing chlorinated VOC data.		
Action Comments:	Not reported		
Action Date:	09/22/2006	Action Code:	46
Action Name:	Impacted Right-of-Way (ROW) Notification		
Action Desc:	Contamination has impacted one or more rights-of-way (ROW). The affected right-of-way (ROW) holders have been notified by the DNR.		
Action Comments:	AUTO-POPULATED 2018-03-20		
Action Date:	09/22/2006	Action Code:	222
Action Name:	Continuing Obligation - Maintain Cap Over Contaminated Area		
Action Desc:	Closure or ongoing cleanup was approved with the requirement to maintain a cap or cover to protect against exposure to contaminated soil (direct contact) or to reduce the movement of residual contamination in soil or groundwater.		
Action Comments:	Not reported		
Action Date:	09/22/2006	Action Code:	56
Action Name:	Continuing Obligation(s) Applied		
Action Desc:	Closure or ongoing cleanup was approved with one or more continuing obligations to give notice of residual contamination; require or restrict certain actions to protect the public or environment; minimize human or environmental exposures.		
Action Comments:	Not reported		
Action Date:	09/22/2006	Action Code:	232
Action Name:	Continuing Obligation - Residual Soil Contamination		
Action Desc:	Closure or ongoing cleanup was approved with the Continuing Obligation to address residual soil contamination at or above the Residual Contamination Level (RCL) or Site Specific Residual Contaminant Level (SSRCL) per rules, when moved.		
Action Comments:	*** AUTO POPULATED AT FINAL CLOSURE DUE TO 710 ACTION ***		
Action Date:	09/22/2006	Action Code:	236
Action Name:	Continuing Obligation - Residual GW Contamination		
Action Desc:	Closure or ongoing cleanup was approved with the Continuing Obligation for residual groundwater contamination in excess of ch. NR		

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

J & J GROCERY (Continued)

S105164798

140 groundwater enforcement standard, to obtain DNR approval before well construction or reconstruction.

Action Comments: *** AUTO POPULATED AT FINAL CLOSURE DUE TO 700 ACTION ***

Action Date: 09/15/2006 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: UPDATE LETTER - DEED RESTRICTION VS. ACT 418

Action Date: 09/21/2006 Action Code: 43
Action Name: Site Activity Status Update Received
Action Desc: Date DNR received an update regarding site activities.
Action Comments: DEED RESTRICTION FILED

Action Date: 09/22/2006 Action Code: 11
Action Name: Activity Closed
Action Desc: Date DNR sends a letter approving the final closure of an activity based on data provided and compliance with NR 726 and 727. No further investigation or remediation is required at this time.
Action Comments: Not reported

Action Date: 10/31/2006 Action Code: 100
Action Name: CO Packet and GIS QAQC Completed by DNR
Action Desc: Date DNR staff reviewed information within the Continuing Obligations Packet for completeness and readability and the geolocation was confirmed.
Action Comments: Not reported

Action Date: 10/08/2004 Action Code: 43
Action Name: Site Activity Status Update Received
Action Desc: Date DNR received an update regarding site activities.
Action Comments: CAP MAINTENANCE PLAN RECEIVED

Substances:

Substance Desc: Gasoline - Unleaded and Leaded
Amount Released: Not reported
Release Code: Not reported

Impact Number: 284696
Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

Impact Number: 460742
Impact Code: 21
Impact Comments: Contamination in Right of Way
Impact Potential: Not reported

Impact Number: 460741
Impact Code: 16
Impact Comments: Within 100 ft of Private Well
Impact Potential: Not reported

Impact Number: 576441
Impact Code: 10
Impact Comments: Direct Contact
Impact Potential: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

J & J GROCERY (Continued)

S105164798

Impact Number: 386014
Impact Code: 04
Impact Comments: Groundwater Contamination
Impact Potential: Not reported

Contacts:

Role Desc: Responsible Party
Contact Name: PERSONAL INFORMATION WITHHELD
Contact Address: 4090 FINGER RD
Contact Addr2: Not reported
Contact City,St,Zip: GREEN BAY, WI 54311
Contact Country: UNITED STATES
Company Address: GREEN BAY, WI 54311

Role Desc: DNR File Contact
Contact Name: DENISE DANELSKI
Contact Address: 2984 SHAWANO AVE
Contact Addr2: Not reported
Contact City,St,Zip: GREEN BAY, WI 54313-6727
Contact Country: UNITED STATES
Company Address: GREEN BAY, WI 54313

Role Desc: DNR Project Manager
Contact Name: KELD LAURIDSEN
Contact Address: 2984 SHAWANO AVE
Contact Addr2: Not reported
Contact City,St,Zip: GREEN BAY, WI 54313-6727
Contact Country: UNITED STATES
Company Address: GREEN BAY, WI 54313

Name: J & J GROCERY
Address: 4090 FINGER RD
City,State,Zip: HUMBOLDT TN, WI
Facid: NONE
Site Id: 8044200
Detail Seq No: 284693
Region Name: NORTHEAST
Action Comments: Not reported
Action Date: 06/14/2004
Activity Type: LUST
Activity Name: J & J GROCERY
Activity Number: 0305284693
Display Number: 03-05-284693
Act Name: Deed Restriction for Residual Soil Contamination Recorded
ACT Description: Deed Restriction was recorded at the Register of Deeds, due to residual soil contamination, to ensure that land use does not pose a health threat. If the soils are made accessible, additional action is required.
Activity Comments: Not reported
Detail Address: Not reported
Start Date: 12/06/2001
End Date: 09/22/2006
Last Action: 12/10/2020
Status Cd: C
Status: CLOSED
Jurisdiction: DNR RR

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

J & J GROCERY (Continued)

S105164798

Risk Code: HIGH
EPA NPL Site?: No
Acres: .5
Acres 100: N
Drycleaner: No
Geo Located: Y
Owner Name: Not reported
Owner Addr: Not reported
Owner City,St,Zip: Not reported
Dept Of Commerce Number: 54311952390
Comm Occurrence Id: 17551
EPA Cerclis Id: Not reported
Dept Of Commerce Tracking: No
PECFA Funds Eligible?: Yes
Above Ground Storage Tank?: No
Co-contamination?: No
Public Land Survey System Desc: NE 1/4 of the NW 1/4 of Sec 07, T23N, R22E
DNR GIS Registry View Map Layers: Y
GIS Area Point Flag: N

Actions:

Action Date: 12/06/2001 Action Code: 1
Action Name: Notification of Hazardous Substance Discharge
Action Desc: Date DNR received notice of a discharge of a hazardous substance under s. 292.11 Wis. Stats. Discharge was discovered during an environmental assessment or laboratory analysis of soil, sediment, groundwater or vapor samples. Includes historic contamination.
Action Comments: SITE ASSESSMENT 11/19/2001

Action Date: 12/11/2001 Action Code: 2
Action Name: Responsible Party (RP) letter sent
Action Desc: Date of DNR letter to responsible party (RP) notifying them of state law responsibilities associated with the investigation and cleanup of a hazardous substance discharge to the environment.
Action Comments: Not reported

Action Date: 07/29/2004 Action Code: 43
Action Name: Site Activity Status Update Received
Action Desc: Date DNR received an update regarding site activities.
Action Comments: MONITORING WELL ABANDONMENT FORMS

Action Date: 05/06/2004 Action Code: 43
Action Name: Site Activity Status Update Received
Action Desc: Date DNR received an update regarding site activities.
Action Comments: GIS PACKET

Action Date: 05/26/2004 Action Code: 43
Action Name: Site Activity Status Update Received
Action Desc: Date DNR received an update regarding site activities.
Action Comments: LETTER FROM RP STATING LEGAL DESCRIPTION IS CORRECT, COPY OF CERT. MAIL RECEIPT FOR APPENDIX A LETTE

Action Date: 06/14/2004 Action Code: 84
Action Name: Remaining Actions Needed
Action Desc: Date DNR sends a letter outlining the remaining actions needed to achieve final closure. The site will not be formally closed until receipt of documentation. This action was formerly known as conditional closure.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

J & J GROCERY (Continued)

S105164798

Action Comments: Not reported

Action Date: 06/14/2004 Action Code: 50
Action Name: GIS Registry Site
Action Desc: Site conditions merit placement on GIS registry.
Action Comments: SOIL & GW

Action Date: 06/14/2004 Action Code: 52
Action Name: Deed Restriction for Residual Soil Contamination Recorded
Action Desc: Deed Restriction was recorded at the Register of Deeds, due to residual soil contamination, to ensure that land use does not pose a health threat. If the soils are made accessible, additional action is required.
Action Comments: Not reported

Action Date: 06/14/2004 Action Code: 85
Action Name: NR 720.19 Performance Based Closure
Action Desc: [OBSOLETE] Closure using soil performance standards in place of RCLs for soil. Deed restrictions and/or maintenance may be needed. Public notice required to be posted by RP.
Action Comments: MAINTAIN EXISTING SURFACE COVER

Action Date: 04/28/2004 Action Code: 179
Action Name: Case Closure Review Request Received (non-fee)
Action Desc: Date DNR received a case Closure Review Request for a site where the fee has previously been paid or no fee is required (i.e. Voluntary Party Liability Exemption).
Action Comments: Not reported

Action Date: 05/16/2003 Action Code: 710
Action Name: Database Fee Paid for Soil Continuing Obligation(s)
Action Desc: Date fee received for residual soil contamination and related continuing obligations.
Action Comments: Not reported

Action Date: 05/16/2003 Action Code: 37
Action Name: Site Investigation Report (SIR) Received (non-fee)
Action Desc: Date DNR received a site investigation report (SIR) to determine degree & extent of contamination and form a basis for choosing the appropriate remedial action.
Action Comments: Not reported

Action Date: 05/27/2003 Action Code: 80
Action Name: Closure Not Recommended
Action Desc: Date DNR sends a letter in response to a request for closure review. Letter outlines the reasons DNR cannot recommend site closure at this time.
Action Comments: ADDITIONAL GW MONITORING NEEDED

Action Date: 05/16/2003 Action Code: 79
Action Name: Case Closure Review Request Received
Action Desc: Date DNR Project Manager determined that the Case Closure - (Form 4400-202) submittal was administratively complete and appropriate fees have been paid for the review.
Action Comments: Not reported

Action Date: 05/16/2003 Action Code: 700

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

J & J GROCERY (Continued)

S105164798

Action Name: Database Fee Paid for Groundwater Continuing Obligation(s)
Action Desc: Date fee received for residual groundwater contamination and related continuing obligations.
Action Comments: Not reported

Action Date: 12/04/2002 Action Code: 43
Action Name: Site Activity Status Update Received
Action Desc: Date DNR received an update regarding site activities.
Action Comments: GW SAMPLING RESULTS

Action Date: 01/04/2002 Action Code: 35
Action Name: Site Investigation Workplan (SIWP) Received (non-fee)
Action Desc: Date DNR received a site investigation workplan (SIWP) which states the objectives of the site investigation to determine the degree and extent of contamination.
Action Comments: Not reported

Action Date: 01/08/2002 Action Code: 30
Action Name: Site Investigation Workplan (SIWP) Notice to Proceed (NTP)
Action Desc: Date DNR provided a notice to proceed (NTP) with site investigation activities. This is not an official approval of the workplan and no fee was collected for review. An NTP may be via email or phone call.
Action Comments: VERBAL

Action Date: 12/10/2020 Action Code: 171
Action Name: Chlorinated VOC Initial Screening Completed
Action Desc: Date DNR reviewed existing electronic site documentation for presence of chlorinated volatile organic compounds (VOC). Substances updated in the database accordingly. No additional data collected or report generated. DNR may perform a secondary review of existing chlorinated VOC data.
Action Comments: Not reported

Action Date: 09/22/2006 Action Code: 46
Action Name: Impacted Right-of-Way (ROW) Notification
Action Desc: Contamination has impacted one or more rights-of-way (ROW). The affected right-of-way (ROW) holders have been notified by the DNR.
Action Comments: AUTO-POPULATED 2018-03-20

Action Date: 09/22/2006 Action Code: 222
Action Name: Continuing Obligation - Maintain Cap Over Contaminated Area
Action Desc: Closure or ongoing cleanup was approved with the requirement to maintain a cap or cover to protect against exposure to contaminated soil (direct contact) or to reduce the movement of residual contamination in soil or groundwater.
Action Comments: Not reported

Action Date: 09/22/2006 Action Code: 56
Action Name: Continuing Obligation(s) Applied
Action Desc: Closure or ongoing cleanup was approved with one or more continuing obligations to give notice of residual contamination; require or restrict certain actions to protect the public or environment; minimize human or environmental exposures.
Action Comments: Not reported

Action Date: 09/22/2006 Action Code: 232
Action Name: Continuing Obligation - Residual Soil Contamination

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

J & J GROCERY (Continued)

S105164798

Action Desc: Closure or ongoing cleanup was approved with the Continuing Obligation to address residual soil contamination at or above the Residual Contamination Level (RCL) or Site Specific Residual Contaminant Level (SSRCL) per rules, when moved.

Action Comments: *** AUTO POPULATED AT FINAL CLOSURE DUE TO 710 ACTION ***

Action Date: 09/22/2006 Action Code: 236

Action Name: Continuing Obligation - Residual GW Contamination

Action Desc: Closure or ongoing cleanup was approved with the Continuing Obligation for residual groundwater contamination in excess of ch. NR 140 groundwater enforcement standard, to obtain DNR approval before well construction or reconstruction.

Action Comments: *** AUTO POPULATED AT FINAL CLOSURE DUE TO 700 ACTION ***

Action Date: 09/15/2006 Action Code: 99

Action Name: Miscellaneous

Action Desc: Miscellaneous action - See Action Comments

Action Comments: UPDATE LETTER - DEED RESTRICTION VS. ACT 418

Action Date: 09/21/2006 Action Code: 43

Action Name: Site Activity Status Update Received

Action Desc: Date DNR received an update regarding site activities.

Action Comments: DEED RESTRICTION FILED

Action Date: 09/22/2006 Action Code: 11

Action Name: Activity Closed

Action Desc: Date DNR sends a letter approving the final closure of an activity based on data provided and compliance with NR 726 and 727. No further investigation or remediation is required at this time.

Action Comments: Not reported

Action Date: 10/31/2006 Action Code: 100

Action Name: CO Packet and GIS QAQC Completed by DNR

Action Desc: Date DNR staff reviewed information within the Continuing Obligations Packet for completeness and readability and the geolocation was confirmed.

Action Comments: Not reported

Action Date: 10/08/2004 Action Code: 43

Action Name: Site Activity Status Update Received

Action Desc: Date DNR received an update regarding site activities.

Action Comments: CAP MAINTENANCE PLAN RECEIVED

Substances:

Substance Desc: Gasoline - Unleaded and Leaded

Amount Released: Not reported

Release Code: Not reported

Impact Number: 284696

Impact Code: 05

Impact Comments: Soil Contamination

Impact Potential: Not reported

Impact Number: 460742

Impact Code: 21

Impact Comments: Contamination in Right of Way

Impact Potential: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

J & J GROCERY (Continued)

S105164798

Impact Number: 460741
Impact Code: 16
Impact Comments: Within 100 ft of Private Well
Impact Potential: Not reported

Impact Number: 576441
Impact Code: 10
Impact Comments: Direct Contact
Impact Potential: Not reported

Impact Number: 386014
Impact Code: 04
Impact Comments: Groundwater Contamination
Impact Potential: Not reported

Contacts:

Role Desc: Responsible Party
Contact Name: PERSONAL INFORMATION WITHHELD
Contact Address: 4090 FINGER RD
Contact Addr2: Not reported
Contact City,St,Zip: GREEN BAY, WI 54311
Contact Country: UNITED STATES
Company Address: GREEN BAY, WI 54311

Role Desc: DNR File Contact
Contact Name: DENISE DANELSKI
Contact Address: 2984 SHAWANO AVE
Contact Addr2: Not reported
Contact City,St,Zip: GREEN BAY, WI 54313-6727
Contact Country: UNITED STATES
Company Address: GREEN BAY, WI 54313

Role Desc: DNR Project Manager
Contact Name: KELD LAURIDSEN
Contact Address: 2984 SHAWANO AVE
Contact Addr2: Not reported
Contact City,St,Zip: GREEN BAY, WI 54313-6727
Contact Country: UNITED STATES
Company Address: GREEN BAY, WI 54313

Name: J & J GROCERY
Address: 4090 FINGER RD
City,State,Zip: HUMBOLDT TN, WI
Facid: NONE
Site Id: 8044200
Detail Seq No: 284693
Region Name: NORTHEAST
Action Comments: MAINTAIN EXISTING SURFACE COVER
Action Date: 06/14/2004
Activity Type: LUST
Activity Name: J & J GROCERY
Activity Number: 0305284693
Display Number: 03-05-284693
Act Name: NR 720.19 Performance Based Closure
ACT Description: [OBSOLETE] Closure using soil performance standards in place of RCLs for soil. Deed restrictions and/or maintenance may be needed. Public

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

J & J GROCERY (Continued)

S105164798

notice required to be posted by RP.
Activity Comments: Not reported
Detail Address: Not reported
Start Date: 12/06/2001
End Date: 09/22/2006
Last Action: 12/10/2020
Status Cd: C
Status: CLOSED
Jurisdiction: DNR RR
Risk Code: HIGH
EPA NPL Site?: No
Acres: .5
Acres 100: N
Drycleaner: No
Geo Located: Y
Owner Name: Not reported
Owner Addr: Not reported
Owner City,St,Zip: Not reported
Dept Of Commerce Number: 54311952390
Comm Occurrence Id: 17551
EPA Cerclis Id: Not reported
Dept Of Commerce Tracking: No
PECFA Funds Eligible?: Yes
Above Ground Storage Tank?: No
Co-contamination?: No
Public Land Survey System Desc: NE 1/4 of the NW 1/4 of Sec 07, T23N, R22E
DNR GIS Registry View Map Layers: Y
GIS Area Point Flag: N

Actions:

Action Date: 12/06/2001 Action Code: 1
Action Name: Notification of Hazardous Substance Discharge
Action Desc: Date DNR received notice of a discharge of a hazardous substance under s. 292.11 Wis. Stats. Discharge was discovered during an environmental assessment or laboratory analysis of soil, sediment, groundwater or vapor samples. Includes historic contamination.
Action Comments: SITE ASSESSMENT 11/19/2001

Action Date: 12/11/2001 Action Code: 2
Action Name: Responsible Party (RP) letter sent
Action Desc: Date of DNR letter to responsible party (RP) notifying them of state law responsibilities associated with the investigation and cleanup of a hazardous substance discharge to the environment.
Action Comments: Not reported

Action Date: 07/29/2004 Action Code: 43
Action Name: Site Activity Status Update Received
Action Desc: Date DNR received an update regarding site activities.
Action Comments: MONITORING WELL ABANDONMENT FORMS

Action Date: 05/06/2004 Action Code: 43
Action Name: Site Activity Status Update Received
Action Desc: Date DNR received an update regarding site activities.
Action Comments: GIS PACKET

Action Date: 05/26/2004 Action Code: 43
Action Name: Site Activity Status Update Received
Action Desc: Date DNR received an update regarding site activities.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

J & J GROCERY (Continued)

S105164798

Action Comments: LETTER FROM RP STATING LEGAL DESCRIPTION IS CORRECT, COPY OF CERT.
MAIL RECEIPT FOR APPENDIX A LETTE

Action Date: 06/14/2004 Action Code: 84
Action Name: Remaining Actions Needed
Action Desc: Date DNR sends a letter outlining the remaining actions needed to
achieve final closure. The site will not be formally closed until
receipt of documentation. This action was formerly known as
conditional closure.

Action Comments: Not reported

Action Date: 06/14/2004 Action Code: 50
Action Name: GIS Registry Site
Action Desc: Site conditions merit placement on GIS registry.
Action Comments: SOIL & GW

Action Date: 06/14/2004 Action Code: 52
Action Name: Deed Restriction for Residual Soil Contamination Recorded
Action Desc: Deed Restriction was recorded at the Register of Deeds, due to
residual soil contamination, to ensure that land use does not pose a
health threat. If the soils are made accessible, additional action is
required.

Action Comments: Not reported

Action Date: 06/14/2004 Action Code: 85
Action Name: NR 720.19 Performance Based Closure
Action Desc: [OBSOLETE] Closure using soil performance standards in place of RCLs
for soil. Deed restrictions and/or maintenance may be needed. Public
notice required to be posted by RP.

Action Comments: MAINTAIN EXISTING SURFACE COVER

Action Date: 04/28/2004 Action Code: 179
Action Name: Case Closure Review Request Received (non-fee)
Action Desc: Date DNR received a case Closure Review Request for a site where the
fee has previously been paid or no fee is required (i.e. Voluntary
Party Liability Exemption).

Action Comments: Not reported

Action Date: 05/16/2003 Action Code: 710
Action Name: Database Fee Paid for Soil Continuing Obligation(s)
Action Desc: Date fee received for residual soil contamination and related
continuing obligations.

Action Comments: Not reported

Action Date: 05/16/2003 Action Code: 37
Action Name: Site Investigation Report (SIR) Received (non-fee)
Action Desc: Date DNR received a site investigation report (SIR) to determine
degree & extent of contamination and form a basis for choosing the
appropriate remedial action.

Action Comments: Not reported

Action Date: 05/27/2003 Action Code: 80
Action Name: Closure Not Recommended
Action Desc: Date DNR sends a letter in response to a request for closure review.
Letter outlines the reasons DNR cannot recommend site closure at this
time.

Action Comments: ADDITIONAL GW MONITORING NEEDED

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

J & J GROCERY (Continued)

S105164798

Action Date:	05/16/2003	Action Code:	79
Action Name:	Case Closure Review Request Received		
Action Desc:	Date DNR Project Manager determined that the Case Closure - (Form 4400-202) submittal was administratively complete and appropriate fees have been paid for the review.		
Action Comments:	Not reported		
Action Date:	05/16/2003	Action Code:	700
Action Name:	Database Fee Paid for Groundwater Continuing Obligation(s)		
Action Desc:	Date fee received for residual groundwater contamination and related continuing obligations.		
Action Comments:	Not reported		
Action Date:	12/04/2002	Action Code:	43
Action Name:	Site Activity Status Update Received		
Action Desc:	Date DNR received an update regarding site activities.		
Action Comments:	GW SAMPLING RESULTS		
Action Date:	01/04/2002	Action Code:	35
Action Name:	Site Investigation Workplan (SIWP) Received (non-fee)		
Action Desc:	Date DNR received a site investigation workplan (SIWP) which states the objectives of the site investigation to determine the degree and extent of contamination.		
Action Comments:	Not reported		
Action Date:	01/08/2002	Action Code:	30
Action Name:	Site Investigation Workplan (SIWP) Notice to Proceed (NTP)		
Action Desc:	Date DNR provided a notice to proceed (NTP) with site investigation activities. This is not an official approval of the workplan and no fee was collected for review. An NTP may be via email or phone call.		
Action Comments:	VERBAL		
Action Date:	12/10/2020	Action Code:	171
Action Name:	Chlorinated VOC Initial Screening Completed		
Action Desc:	Date DNR reviewed existing electronic site documentation for presence of chlorinated volatile organic compounds (VOC). Substances updated in the database accordingly. No additional data collected or report generated. DNR may perform a secondary review of existing chlorinated VOC data.		
Action Comments:	Not reported		
Action Date:	09/22/2006	Action Code:	46
Action Name:	Impacted Right-of-Way (ROW) Notification		
Action Desc:	Contamination has impacted one or more rights-of-way (ROW). The affected right-of-way (ROW) holders have been notified by the DNR.		
Action Comments:	AUTO-POPULATED 2018-03-20		
Action Date:	09/22/2006	Action Code:	222
Action Name:	Continuing Obligation - Maintain Cap Over Contaminated Area		
Action Desc:	Closure or ongoing cleanup was approved with the requirement to maintain a cap or cover to protect against exposure to contaminated soil (direct contact) or to reduce the movement of residual contamination in soil or groundwater.		
Action Comments:	Not reported		
Action Date:	09/22/2006	Action Code:	56
Action Name:	Continuing Obligation(s) Applied		

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

J & J GROCERY (Continued)

S105164798

Action Desc: Closure or ongoing cleanup was approved with one or more continuing obligations to give notice of residual contamination; require or restrict certain actions to protect the public or environment; minimize human or environmental exposures.
Action Comments: Not reported

Action Date: 09/22/2006 Action Code: 232
Action Name: Continuing Obligation - Residual Soil Contamination
Action Desc: Closure or ongoing cleanup was approved with the Continuing Obligation to address residual soil contamination at or above the Residual Contamination Level (RCL) or Site Specific Residual Contaminant Level (SSRCL) per rules, when moved.
Action Comments: *** AUTO POPULATED AT FINAL CLOSURE DUE TO 710 ACTION ***

Action Date: 09/22/2006 Action Code: 236
Action Name: Continuing Obligation - Residual GW Contamination
Action Desc: Closure or ongoing cleanup was approved with the Continuing Obligation for residual groundwater contamination in excess of ch. NR 140 groundwater enforcement standard, to obtain DNR approval before well construction or reconstruction.
Action Comments: *** AUTO POPULATED AT FINAL CLOSURE DUE TO 700 ACTION ***

Action Date: 09/15/2006 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: UPDATE LETTER - DEED RESTRICTION VS. ACT 418

Action Date: 09/21/2006 Action Code: 43
Action Name: Site Activity Status Update Received
Action Desc: Date DNR received an update regarding site activities.
Action Comments: DEED RESTRICTION FILED

Action Date: 09/22/2006 Action Code: 11
Action Name: Activity Closed
Action Desc: Date DNR sends a letter approving the final closure of an activity based on data provided and compliance with NR 726 and 727. No further investigation or remediation is required at this time.
Action Comments: Not reported

Action Date: 10/31/2006 Action Code: 100
Action Name: CO Packet and GIS QAQC Completed by DNR
Action Desc: Date DNR staff reviewed information within the Continuing Obligations Packet for completeness and readability and the geolocation was confirmed.
Action Comments: Not reported

Action Date: 10/08/2004 Action Code: 43
Action Name: Site Activity Status Update Received
Action Desc: Date DNR received an update regarding site activities.
Action Comments: CAP MAINTENANCE PLAN RECEIVED

Substances:
Substance Desc: Gasoline - Unleaded and Leaded
Amount Released: Not reported
Release Code: Not reported

Impact Number: 284696

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

J & J GROCERY (Continued)

S105164798

Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

Impact Number: 460742
Impact Code: 21
Impact Comments: Contamination in Right of Way
Impact Potential: Not reported

Impact Number: 460741
Impact Code: 16
Impact Comments: Within 100 ft of Private Well
Impact Potential: Not reported

Impact Number: 576441
Impact Code: 10
Impact Comments: Direct Contact
Impact Potential: Not reported

Impact Number: 386014
Impact Code: 04
Impact Comments: Groundwater Contamination
Impact Potential: Not reported

Contacts:

Role Desc: Responsible Party
Contact Name: PERSONAL INFORMATION WITHHELD
Contact Address: 4090 FINGER RD
Contact Addr2: Not reported
Contact City,St,Zip: GREEN BAY, WI 54311
Contact Country: UNITED STATES
Company Address: GREEN BAY, WI 54311

Role Desc: DNR File Contact
Contact Name: DENISE DANELSKI
Contact Address: 2984 SHAWANO AVE
Contact Addr2: Not reported
Contact City,St,Zip: GREEN BAY, WI 54313-6727
Contact Country: UNITED STATES
Company Address: GREEN BAY, WI 54313

Role Desc: DNR Project Manager
Contact Name: KELD LAURIDSEN
Contact Address: 2984 SHAWANO AVE
Contact Addr2: Not reported
Contact City,St,Zip: GREEN BAY, WI 54313-6727
Contact Country: UNITED STATES
Company Address: GREEN BAY, WI 54313

Name: J & J GROCERY
Address: 4090 FINGER RD
City,State,Zip: HUMBOLDT TN, WI
Facid: NONE
Site Id: 8044200
Detail Seq No: 284693
Region Name: NORTHEAST

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

J & J GROCERY (Continued)

S105164798

Action Comments: Not reported
Action Date: 09/22/2006
Activity Type: LUST
Activity Name: J & J GROCERY
Activity Number: 0305284693
Display Number: 03-05-284693
Act Name: Continuing Obligation(s) Applied
ACT Description: Closure or ongoing cleanup was approved with one or more continuing

obligations to give notice of residual contamination; require or restrict certain actions to protect the public or environment; minimize human or environmental exposures.

Activity Comments: Not reported
Detail Address: Not reported
Start Date: 12/06/2001
End Date: 09/22/2006
Last Action: 12/10/2020
Status Cd: C
Status: CLOSED
Jurisdiction: DNR RR
Risk Code: HIGH
EPA NPL Site?: No
Acres: .5
Acres 100: N
Drycleaner: No
Geo Located: Y

Owner Name: Not reported
Owner Addr: Not reported
Owner City,St,Zip: Not reported
Dept Of Commerce Number: 54311952390
Comm Occurrence Id: 17551
EPA Cerclis Id: Not reported
Dept Of Commerce Tracking: No
PECFA Funds Eligible?: Yes
Above Ground Storage Tank?: No
Co-contamination?: No
Public Land Survey System Desc: NE 1/4 of the NW 1/4 of Sec 07, T23N, R22E
DNR GIS Registry View Map Layers: Y
GIS Area Point Flag: N

Actions:

Action Date: 12/06/2001 Action Code: 1
Action Name: Notification of Hazardous Substance Discharge
Action Desc: Date DNR received notice of a discharge of a hazardous substance under s. 292.11 Wis. Stats. Discharge was discovered during an environmental assessment or laboratory analysis of soil, sediment, groundwater or vapor samples. Includes historic contamination.
Action Comments: SITE ASSESSMENT 11/19/2001

Action Date: 12/11/2001 Action Code: 2
Action Name: Responsible Party (RP) letter sent
Action Desc: Date of DNR letter to responsible party (RP) notifying them of state law responsibilities associated with the investigation and cleanup of a hazardous substance discharge to the environment.
Action Comments: Not reported

Action Date: 07/29/2004 Action Code: 43
Action Name: Site Activity Status Update Received
Action Desc: Date DNR received an update regarding site activities.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

J & J GROCERY (Continued)

S105164798

Action Comments:	MONITORING WELL ABANDONMENT FORMS		
Action Date:	05/06/2004	Action Code:	43
Action Name:	Site Activity Status Update Received		
Action Desc:	Date DNR received an update regarding site activities.		
Action Comments:	GIS PACKET		
Action Date:	05/26/2004	Action Code:	43
Action Name:	Site Activity Status Update Received		
Action Desc:	Date DNR received an update regarding site activities.		
Action Comments:	LETTER FROM RP STATING LEGAL DESCRIPTION IS CORRECT, COPY OF CERT. MAIL RECEIPT FOR APPENDIX A LETTE		
Action Date:	06/14/2004	Action Code:	84
Action Name:	Remaining Actions Needed		
Action Desc:	Date DNR sends a letter outlining the remaining actions needed to achieve final closure. The site will not be formally closed until receipt of documentation. This action was formerly known as conditional closure.		
Action Comments:	Not reported		
Action Date:	06/14/2004	Action Code:	50
Action Name:	GIS Registry Site		
Action Desc:	Site conditions merit placement on GIS registry.		
Action Comments:	SOIL & GW		
Action Date:	06/14/2004	Action Code:	52
Action Name:	Deed Restriction for Residual Soil Contamination Recorded		
Action Desc:	Deed Restriction was recorded at the Register of Deeds, due to residual soil contamination, to ensure that land use does not pose a health threat. If the soils are made accessible, additional action is required.		
Action Comments:	Not reported		
Action Date:	06/14/2004	Action Code:	85
Action Name:	NR 720.19 Performance Based Closure		
Action Desc:	[OBSOLETE] Closure using soil performance standards in place of RCLs for soil. Deed restrictions and/or maintenance may be needed. Public notice required to be posted by RP.		
Action Comments:	MAINTAIN EXISTING SURFACE COVER		
Action Date:	04/28/2004	Action Code:	179
Action Name:	Case Closure Review Request Received (non-fee)		
Action Desc:	Date DNR received a case Closure Review Request for a site where the fee has previously been paid or no fee is required (i.e. Voluntary Party Liability Exemption).		
Action Comments:	Not reported		
Action Date:	05/16/2003	Action Code:	710
Action Name:	Database Fee Paid for Soil Continuing Obligation(s)		
Action Desc:	Date fee received for residual soil contamination and related continuing obligations.		
Action Comments:	Not reported		
Action Date:	05/16/2003	Action Code:	37
Action Name:	Site Investigation Report (SIR) Received (non-fee)		
Action Desc:	Date DNR received a site investigation report (SIR) to determine		

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

J & J GROCERY (Continued)

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degree & extent of contamination and form a basis for choosing the appropriate remedial action.

Action Comments: Not reported

Action Date: 05/27/2003 Action Code: 80
Action Name: Closure Not Recommended
Action Desc: Date DNR sends a letter in response to a request for closure review. Letter outlines the reasons DNR cannot recommend site closure at this time.

Action Comments: ADDITIONAL GW MONITORING NEEDED

Action Date: 05/16/2003 Action Code: 79
Action Name: Case Closure Review Request Received
Action Desc: Date DNR Project Manager determined that the Case Closure - (Form 4400-202) submittal was administratively complete and appropriate fees have been paid for the review.

Action Comments: Not reported

Action Date: 05/16/2003 Action Code: 700
Action Name: Database Fee Paid for Groundwater Continuing Obligation(s)
Action Desc: Date fee received for residual groundwater contamination and related continuing obligations.

Action Comments: Not reported

Action Date: 12/04/2002 Action Code: 43
Action Name: Site Activity Status Update Received
Action Desc: Date DNR received an update regarding site activities.

Action Comments: GW SAMPLING RESULTS

Action Date: 01/04/2002 Action Code: 35
Action Name: Site Investigation Workplan (SIWP) Received (non-fee)
Action Desc: Date DNR received a site investigation workplan (SIWP) which states the objectives of the site investigation to determine the degree and extent of contamination.

Action Comments: Not reported

Action Date: 01/08/2002 Action Code: 30
Action Name: Site Investigation Workplan (SIWP) Notice to Proceed (NTP)
Action Desc: Date DNR provided a notice to proceed (NTP) with site investigation activities. This is not an official approval of the workplan and no fee was collected for review. An NTP may be via email or phone call.

Action Comments: VERBAL

Action Date: 12/10/2020 Action Code: 171
Action Name: Chlorinated VOC Initial Screening Completed
Action Desc: Date DNR reviewed existing electronic site documentation for presence of chlorinated volatile organic compounds (VOC). Substances updated in the database accordingly. No additional data collected or report generated. DNR may perform a secondary review of existing chlorinated VOC data.

Action Comments: Not reported

Action Date: 09/22/2006 Action Code: 46
Action Name: Impacted Right-of-Way (ROW) Notification
Action Desc: Contamination has impacted one or more rights-of-way (ROW). The affected right-of-way (ROW) holders have been notified by the DNR.

Action Comments: AUTO-POPULATED 2018-03-20

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

J & J GROCERY (Continued)

S105164798

Action Date:	09/22/2006	Action Code:	222
Action Name:	Continuing Obligation - Maintain Cap Over Contaminated Area		
Action Desc:	Closure or ongoing cleanup was approved with the requirement to maintain a cap or cover to protect against exposure to contaminated soil (direct contact) or to reduce the movement of residual contamination in soil or groundwater.		
Action Comments:	Not reported		
Action Date:	09/22/2006	Action Code:	56
Action Name:	Continuing Obligation(s) Applied		
Action Desc:	Closure or ongoing cleanup was approved with one or more continuing obligations to give notice of residual contamination; require or restrict certain actions to protect the public or environment; minimize human or environmental exposures.		
Action Comments:	Not reported		
Action Date:	09/22/2006	Action Code:	232
Action Name:	Continuing Obligation - Residual Soil Contamination		
Action Desc:	Closure or ongoing cleanup was approved with the Continuing Obligation to address residual soil contamination at or above the Residual Contamination Level (RCL) or Site Specific Residual Contaminant Level (SSRCL) per rules, when moved.		
Action Comments:	*** AUTO POPULATED AT FINAL CLOSURE DUE TO 710 ACTION ***		
Action Date:	09/22/2006	Action Code:	236
Action Name:	Continuing Obligation - Residual GW Contamination		
Action Desc:	Closure or ongoing cleanup was approved with the Continuing Obligation for residual groundwater contamination in excess of ch. NR 140 groundwater enforcement standard, to obtain DNR approval before well construction or reconstruction.		
Action Comments:	*** AUTO POPULATED AT FINAL CLOSURE DUE TO 700 ACTION ***		
Action Date:	09/15/2006	Action Code:	99
Action Name:	Miscellaneous		
Action Desc:	Miscellaneous action - See Action Comments		
Action Comments:	UPDATE LETTER - DEED RESTRICTION VS. ACT 418		
Action Date:	09/21/2006	Action Code:	43
Action Name:	Site Activity Status Update Received		
Action Desc:	Date DNR received an update regarding site activities.		
Action Comments:	DEED RESTRICTION FILED		
Action Date:	09/22/2006	Action Code:	11
Action Name:	Activity Closed		
Action Desc:	Date DNR sends a letter approving the final closure of an activity based on data provided and compliance with NR 726 and 727. No further investigation or remediation is required at this time.		
Action Comments:	Not reported		
Action Date:	10/31/2006	Action Code:	100
Action Name:	CO Packet and GIS QAQC Completed by DNR		
Action Desc:	Date DNR staff reviewed information within the Continuing Obligations Packet for completeness and readability and the geolocation was confirmed.		
Action Comments:	Not reported		
Action Date:	10/08/2004	Action Code:	43

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

J & J GROCERY (Continued)

S105164798

Action Name: Site Activity Status Update Received
Action Desc: Date DNR received an update regarding site activities.
Action Comments: CAP MAINTENANCE PLAN RECEIVED

Substances:

Substance Desc: Gasoline - Unleaded and Leaded
Amount Released: Not reported
Release Code: Not reported

Impact Number: 284696
Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

Impact Number: 460742
Impact Code: 21
Impact Comments: Contamination in Right of Way
Impact Potential: Not reported

Impact Number: 460741
Impact Code: 16
Impact Comments: Within 100 ft of Private Well
Impact Potential: Not reported

Impact Number: 576441
Impact Code: 10
Impact Comments: Direct Contact
Impact Potential: Not reported

Impact Number: 386014
Impact Code: 04
Impact Comments: Groundwater Contamination
Impact Potential: Not reported

Contacts:

Role Desc: Responsible Party
Contact Name: PERSONAL INFORMATION WITHHELD
Contact Address: 4090 FINGER RD
Contact Addr2: Not reported
Contact City,St,Zip: GREEN BAY, WI 54311
Contact Country: UNITED STATES
Company Address: GREEN BAY, WI 54311

Role Desc: DNR File Contact
Contact Name: DENISE DANELSKI
Contact Address: 2984 SHAWANO AVE
Contact Addr2: Not reported
Contact City,St,Zip: GREEN BAY, WI 54313-6727
Contact Country: UNITED STATES
Company Address: GREEN BAY, WI 54313

Role Desc: DNR Project Manager
Contact Name: KELD LAURIDSEN
Contact Address: 2984 SHAWANO AVE
Contact Addr2: Not reported
Contact City,St,Zip: GREEN BAY, WI 54313-6727

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

J & J GROCERY (Continued)

S105164798

Contact Country: UNITED STATES
Company Address: GREEN BAY, WI 54313

Count: 0 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
NO SITES FOUND					

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 07/29/2021	Source: EPA
Date Data Arrived at EDR: 08/04/2021	Telephone: N/A
Date Made Active in Reports: 08/31/2021	Last EDR Contact: 10/01/2021
Number of Days to Update: 27	Next Scheduled EDR Contact: 01/10/2022
	Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 07/29/2021	Source: EPA
Date Data Arrived at EDR: 08/04/2021	Telephone: N/A
Date Made Active in Reports: 08/31/2021	Last EDR Contact: 10/01/2021
Number of Days to Update: 27	Next Scheduled EDR Contact: 01/10/2022
	Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 07/29/2021
Date Data Arrived at EDR: 08/04/2021
Date Made Active in Reports: 08/31/2021
Number of Days to Update: 27

Source: EPA
Telephone: N/A
Last EDR Contact: 10/01/2021
Next Scheduled EDR Contact: 01/10/2022
Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 05/25/2021
Date Data Arrived at EDR: 06/24/2021
Date Made Active in Reports: 09/20/2021
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 10/01/2021
Next Scheduled EDR Contact: 01/10/2022
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly known as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 07/29/2021
Date Data Arrived at EDR: 08/04/2021
Date Made Active in Reports: 08/31/2021
Number of Days to Update: 27

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 10/01/2021
Next Scheduled EDR Contact: 01/24/2022
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 07/29/2021	Source: EPA
Date Data Arrived at EDR: 08/04/2021	Telephone: 800-424-9346
Date Made Active in Reports: 08/31/2021	Last EDR Contact: 10/01/2021
Number of Days to Update: 27	Next Scheduled EDR Contact: 01/24/2022
	Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 09/13/2021	Source: EPA
Date Data Arrived at EDR: 09/15/2021	Telephone: 800-424-9346
Date Made Active in Reports: 10/12/2021	Last EDR Contact: 09/15/2021
Number of Days to Update: 27	Next Scheduled EDR Contact: 01/03/2022
	Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 09/13/2021	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/15/2021	Telephone: 312-886-6186
Date Made Active in Reports: 10/12/2021	Last EDR Contact: 09/15/2021
Number of Days to Update: 27	Next Scheduled EDR Contact: 01/03/2022
	Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 09/13/2021	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/15/2021	Telephone: 312-886-6186
Date Made Active in Reports: 10/12/2021	Last EDR Contact: 09/15/2021
Number of Days to Update: 27	Next Scheduled EDR Contact: 01/03/2022
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 09/13/2021	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/15/2021	Telephone: 312-886-6186
Date Made Active in Reports: 10/12/2021	Last EDR Contact: 09/15/2021
Number of Days to Update: 27	Next Scheduled EDR Contact: 01/03/2022
	Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 09/13/2021	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/15/2021	Telephone: 312-886-6186
Date Made Active in Reports: 10/12/2021	Last EDR Contact: 09/15/2021
Number of Days to Update: 27	Next Scheduled EDR Contact: 01/03/2022
	Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 05/10/2021	Source: Department of the Navy
Date Data Arrived at EDR: 05/13/2021	Telephone: 843-820-7326
Date Made Active in Reports: 08/03/2021	Last EDR Contact: 08/05/2021
Number of Days to Update: 82	Next Scheduled EDR Contact: 11/22/2021
	Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 05/17/2021	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/21/2021	Telephone: 703-603-0695
Date Made Active in Reports: 08/11/2021	Last EDR Contact: 08/23/2021
Number of Days to Update: 82	Next Scheduled EDR Contact: 12/06/2021
	Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 05/17/2021	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/21/2021	Telephone: 703-603-0695
Date Made Active in Reports: 08/11/2021	Last EDR Contact: 08/23/2021
Number of Days to Update: 82	Next Scheduled EDR Contact: 12/06/2021
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 06/14/2021
Date Data Arrived at EDR: 06/17/2021
Date Made Active in Reports: 08/17/2021
Number of Days to Update: 61

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 09/21/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

SHWS: Hazard Ranking List

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 11/30/1994
Date Data Arrived at EDR: 02/10/1995
Date Made Active in Reports: 03/01/1995
Number of Days to Update: 19

Source: Department of Natural Resources
Telephone: 608-266-2632
Last EDR Contact: 09/15/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: No Update Planned

ERP: Environmental Repair Program Database

Environmental Repair Program sites are sites other than LUST's that have contaminated soil and/or groundwater. Often, these are old historic releases to the environment.

Date of Government Version: 06/23/2021
Date Data Arrived at EDR: 06/24/2021
Date Made Active in Reports: 09/17/2021
Number of Days to Update: 85

Source: Department of Natural Resources
Telephone: 608-261-6422
Last EDR Contact: 09/29/2021
Next Scheduled EDR Contact: 01/10/2022
Data Release Frequency: Quarterly

State and tribal landfill and/or solid waste disposal site lists

SWF/LF: List of Licensed Landfills

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 06/21/2021
Date Data Arrived at EDR: 06/22/2021
Date Made Active in Reports: 09/15/2021
Number of Days to Update: 85

Source: Department of Natural Resources
Telephone: 608-267-7557
Last EDR Contact: 09/15/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: Semi-Annually

WDS: Registry of Waste Disposal Sites

The registry was created by the DNR to serve as a comprehensive listing of all sites where solid or hazardous wastes have been or may have been deposited.

Date of Government Version: 07/22/2013
Date Data Arrived at EDR: 10/03/2013
Date Made Active in Reports: 11/15/2013
Number of Days to Update: 43

Source: Department of Natural Resources
Telephone: 608-266-2632
Last EDR Contact: 09/15/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SHWIMS: Solid & Hazardous Waste Information Management System

Information on sites, and facilities operating at sites, that are regulated by the Waste Management program

Date of Government Version: 06/21/2021	Source: Department of Natural Resources
Date Data Arrived at EDR: 06/22/2021	Telephone: 608-266-2414
Date Made Active in Reports: 09/15/2021	Last EDR Contact: 09/22/2021
Number of Days to Update: 85	Next Scheduled EDR Contact: 01/03/2022
	Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

LAST: Leaking Aboveground Storage Tank Listing

A listing of leaking aboveground storage tank sites.

Date of Government Version: 06/23/2021	Source: Department of Natural Resources
Date Data Arrived at EDR: 06/24/2021	Telephone: 608-261-6422
Date Made Active in Reports: 09/17/2021	Last EDR Contact: 09/29/2021
Number of Days to Update: 85	Next Scheduled EDR Contact: 01/10/2022
	Data Release Frequency: Varies

LUST: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 06/23/2021	Source: Department of Natural Resources
Date Data Arrived at EDR: 06/24/2021	Telephone: 608-261-6422
Date Made Active in Reports: 09/17/2021	Last EDR Contact: 09/29/2021
Number of Days to Update: 85	Next Scheduled EDR Contact: 01/10/2022
	Data Release Frequency: Quarterly

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 05/28/2021	Source: EPA Region 4
Date Data Arrived at EDR: 06/22/2021	Telephone: 404-562-8677
Date Made Active in Reports: 09/20/2021	Last EDR Contact: 06/17/2021
Number of Days to Update: 90	Next Scheduled EDR Contact: 11/01/2021
	Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land

Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 04/06/2021	Source: EPA, Region 5
Date Data Arrived at EDR: 06/11/2021	Telephone: 312-886-7439
Date Made Active in Reports: 09/07/2021	Last EDR Contact: 06/11/2021
Number of Days to Update: 88	Next Scheduled EDR Contact: 11/01/2021
	Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 04/27/2021	Source: EPA Region 10
Date Data Arrived at EDR: 06/11/2021	Telephone: 206-553-2857
Date Made Active in Reports: 09/07/2021	Last EDR Contact: 06/11/2021
Number of Days to Update: 88	Next Scheduled EDR Contact: 11/01/2021
	Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/27/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 05/27/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 06/01/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land

A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 04/28/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 05/17/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/29/2021
Date Data Arrived at EDR: 02/17/2021
Date Made Active in Reports: 03/22/2021
Number of Days to Update: 33

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 09/30/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Varies

UST: Registered Underground Storage Tanks

Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 06/07/2021
Date Data Arrived at EDR: 06/08/2021
Date Made Active in Reports: 09/02/2021
Number of Days to Update: 86

Source: Department of Agriculture, Trade & Consumer Protection
Telephone: 608-266-7874
Last EDR Contact: 09/08/2021
Next Scheduled EDR Contact: 12/20/2021
Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

AST: Tanks Database

Aboveground storage tank site locations.

Date of Government Version: 06/07/2021
Date Data Arrived at EDR: 06/08/2021
Date Made Active in Reports: 09/02/2021
Number of Days to Update: 86

Source: Department of Agriculture, Trade & Consumer Protection
Telephone: 608-266-7874
Last EDR Contact: 09/08/2021
Next Scheduled EDR Contact: 12/20/2021
Data Release Frequency: Semi-Annually

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 05/17/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 05/28/2021
Date Data Arrived at EDR: 06/22/2021
Date Made Active in Reports: 09/20/2021
Number of Days to Update: 90

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 06/17/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 04/28/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 04/27/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 04/06/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 06/01/2021	Source: EPA Region 7
Date Data Arrived at EDR: 06/11/2021	Telephone: 913-551-7003
Date Made Active in Reports: 09/07/2021	Last EDR Contact: 06/11/2021
Number of Days to Update: 88	Next Scheduled EDR Contact: 11/01/2021
	Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 05/27/2021	Source: EPA Region 8
Date Data Arrived at EDR: 06/11/2021	Telephone: 303-312-6137
Date Made Active in Reports: 09/07/2021	Last EDR Contact: 06/11/2021
Number of Days to Update: 88	Next Scheduled EDR Contact: 11/01/2021
	Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 05/27/2021	Source: EPA Region 9
Date Data Arrived at EDR: 06/11/2021	Telephone: 415-972-3368
Date Made Active in Reports: 09/07/2021	Last EDR Contact: 06/11/2021
Number of Days to Update: 88	Next Scheduled EDR Contact: 11/01/2021
	Data Release Frequency: Varies

State and tribal institutional control / engineering control registries

CRS: Closed Remediation Sites

A Closed Remediation Site is parcel of land at which the groundwater has become contaminated and which is affected by a particular type of legal restriction. Specifically, certain steps have been taken to stabilize/remediate the contamination, and the state is satisfied that no further efforts are necessary provided that the property is not used for certain purposes.

Date of Government Version: 06/24/2021	Source: Department of Natural Resources
Date Data Arrived at EDR: 06/28/2021	Telephone: 608-267-0554
Date Made Active in Reports: 09/20/2021	Last EDR Contact: 10/01/2021
Number of Days to Update: 84	Next Scheduled EDR Contact: 01/10/2022
	Data Release Frequency: Semi-Annually

AUL: Deed Restriction at Closeout Sites

Date a deed restriction is recorded at the Register of Deeds office for a property. Extent of soil contamination is known but impracticable to remove now or an engineering control is required to be maintained or NR720 industrial stds are applied. Restricts property use or requires future actions.

Date of Government Version: 06/23/2021	Source: Department of Natural Resources
Date Data Arrived at EDR: 06/24/2021	Telephone: 608-261-6422
Date Made Active in Reports: 09/17/2021	Last EDR Contact: 09/29/2021
Number of Days to Update: 85	Next Scheduled EDR Contact: 01/10/2022
	Data Release Frequency: Quarterly

State and tribal voluntary cleanup sites

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 09/15/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: Varies

VCP: Voluntary Party Liability Exemption Sites

The Voluntary Party Liability Exemption is an elective environmental cleanup program. Interested persons who meet the definition of "voluntary party" are eligible to apply. A "voluntary party" is any person who submits an application and pays all the necessary fees.

Date of Government Version: 06/23/2021
Date Data Arrived at EDR: 06/24/2021
Date Made Active in Reports: 09/17/2021
Number of Days to Update: 85

Source: Department of Natural Resources
Telephone: 608-261-6422
Last EDR Contact: 09/29/2021
Next Scheduled EDR Contact: 01/10/2022
Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 07/08/2021
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

State and tribal Brownfields sites

BEAP: Brownfields Environmental Assessment Program

The Brownfields Environmental Assessment Program (BEAP) was a federal program that assisted municipalities with Environmental Site Assessments (ESA's) for tax delinquent or bankrupt properties, or properties a local government acquired for redevelopment. Using federal dollars, site assessments were conducted by Department of Natural Resources (DNR) staff to determine if the properties were contaminated.

Date of Government Version: 12/31/2000
Date Data Arrived at EDR: 05/29/2001
Date Made Active in Reports: 06/29/2001
Number of Days to Update: 31

Source: Department of Natural Resources
Telephone: 608-266-1618
Last EDR Contact: 08/17/2009
Next Scheduled EDR Contact: 11/16/2009
Data Release Frequency: No Update Planned

BROWNFIELDS: Brownfields Site Locations Listing

A listing of brownfields sites included in the BRRTS database. Brownfields are abandoned, idle or underused commercial or industrial properties, where the expansion or redevelopment is hindered by real or perceived contamination. Brownfields vary in size, location, age, and past use -- they can be anything from a five-hundred acre automobile assembly plant to a small, abandoned corner gas station.

Date of Government Version: 06/23/2021
Date Data Arrived at EDR: 06/24/2021
Date Made Active in Reports: 09/17/2021
Number of Days to Update: 85

Source: Department of Natural Resources
Telephone: 608-266-3084
Last EDR Contact: 09/29/2021
Next Scheduled EDR Contact: 01/10/2022
Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/10/2021
Date Data Arrived at EDR: 06/10/2021
Date Made Active in Reports: 08/17/2021
Number of Days to Update: 68

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 09/14/2021
Next Scheduled EDR Contact: 12/27/2021
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY: Recycling Center Listing

A listing of recycling center locations.

Date of Government Version: 02/27/2021
Date Data Arrived at EDR: 03/02/2021
Date Made Active in Reports: 03/22/2021
Number of Days to Update: 20

Source: Solid & Hazardous Waste Education center
Telephone: 608-262-0936
Last EDR Contact: 10/04/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 07/20/2021
Next Scheduled EDR Contact: 11/08/2021
Data Release Frequency: Varies

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 07/13/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land

A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Services, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 07/20/2021
Next Scheduled EDR Contact: 11/08/2021
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/18/2021
Date Data Arrived at EDR: 05/18/2021
Date Made Active in Reports: 08/03/2021
Number of Days to Update: 77

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/17/2021
Next Scheduled EDR Contact: 12/06/2021
Data Release Frequency: No Update Planned

CDL: Clandestine Drug Lab Listing

A listing of clandestine drug lab locations in the state.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 03/31/2021
Date Made Active in Reports: 06/21/2021
Number of Days to Update: 82

Source: Department of Justice
Telephone: 920-832-2751
Last EDR Contact: 09/10/2021
Next Scheduled EDR Contact: 12/27/2021
Data Release Frequency: No Update Planned

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 05/18/2021
Date Data Arrived at EDR: 05/18/2021
Date Made Active in Reports: 08/03/2021
Number of Days to Update: 77

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/17/2021
Next Scheduled EDR Contact: 12/06/2021
Data Release Frequency: Quarterly

PFAS: PFAS Contamination Site Location Listing

A listing of PGAS contaminated sites included in the Bureau for Remediation and Redevelopment Tracking System (BRRTS) database.

Date of Government Version: 06/23/2021
Date Data Arrived at EDR: 06/24/2021
Date Made Active in Reports: 07/02/2021
Number of Days to Update: 8

Source: Department of Natural Resources
Telephone: 608-264-6125
Last EDR Contact: 09/29/2021
Next Scheduled EDR Contact: 01/10/2022
Data Release Frequency: Quarterly

Local Land Records

LIENS: Environmental Liens Listing

Environmental liens listing.

Date of Government Version: 07/02/2021
Date Data Arrived at EDR: 07/02/2021
Date Made Active in Reports: 07/07/2021
Number of Days to Update: 5

Source: Department of Natural Resources
Telephone: 608-267-6713
Last EDR Contact: 10/12/2021
Next Scheduled EDR Contact: 01/24/2022
Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 07/29/2021
Date Data Arrived at EDR: 08/04/2021
Date Made Active in Reports: 08/31/2021
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 10/01/2021
Next Scheduled EDR Contact: 01/10/2022
Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 09/12/2021	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 09/13/2021	Telephone: 202-366-4555
Date Made Active in Reports: 09/28/2021	Last EDR Contact: 09/13/2021
Number of Days to Update: 15	Next Scheduled EDR Contact: 01/03/2022
	Data Release Frequency: Quarterly

SPILLS: Spills Database

A discharge of a hazardous substance that may adversely impact, or threaten to adversely impact public health, welfare or the environment. Spills are usually cleaned up quickly.

Date of Government Version: 06/23/2021	Source: Department of Natural Resources
Date Data Arrived at EDR: 06/24/2021	Telephone: 608-261-6422
Date Made Active in Reports: 09/20/2021	Last EDR Contact: 09/29/2021
Number of Days to Update: 88	Next Scheduled EDR Contact: 01/10/2022
	Data Release Frequency: Quarterly

AG SPILLS: Agricultural Spill Cases

Spills reported to the Department of Agriculture, Trade & Consumer Protection. There are two types of spills. Long-term: These are mainly pesticide and fertilizer cases. Some might include other contaminants at the same site. Some might involve wood-treaters - which use pesticides. All of them involve spills of products, but these spills generally result from day to day use (chronic spills) rather than accidental spills (acute). Accidental: These are the acute spills of pesticides and fertilizers and only involve pesticides and fertilizers. Most of these are cleaned up and closed within 3 to 6 months.

Date of Government Version: 02/03/2021	Source: Department of Agriculture, Trade & Consumer Protection
Date Data Arrived at EDR: 05/05/2021	Telephone: 608-224-5058
Date Made Active in Reports: 07/23/2021	Last EDR Contact: 07/30/2021
Number of Days to Update: 79	Next Scheduled EDR Contact: 11/15/2021
	Data Release Frequency: Varies

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 11/06/2012	Source: FirstSearch
Date Data Arrived at EDR: 01/03/2013	Telephone: N/A
Date Made Active in Reports: 02/11/2013	Last EDR Contact: 01/03/2013
Number of Days to Update: 39	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

SPILLS 80: SPILLS80 data from FirstSearch

Spills 80 includes those spill and release records available from FirstSearch databases prior to 1990. Typically, they may include chemical, oil and/or hazardous substance spills recorded before 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 80.

Date of Government Version: 03/31/2003	Source: FirstSearch
Date Data Arrived at EDR: 01/03/2013	Telephone: N/A
Date Made Active in Reports: 03/01/2013	Last EDR Contact: 01/03/2013
Number of Days to Update: 57	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

Other Ascertainable Records

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 09/13/2021	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/15/2021	Telephone: 312-886-6186
Date Made Active in Reports: 10/12/2021	Last EDR Contact: 09/15/2021
Number of Days to Update: 27	Next Scheduled EDR Contact: 01/03/2022
	Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 05/04/2021	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 05/18/2021	Telephone: 202-528-4285
Date Made Active in Reports: 08/11/2021	Last EDR Contact: 08/17/2021
Number of Days to Update: 85	Next Scheduled EDR Contact: 11/29/2021
	Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005	Source: USGS
Date Data Arrived at EDR: 11/10/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 07/13/2021
Number of Days to Update: 62	Next Scheduled EDR Contact: 10/25/2021
	Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 04/02/2018	Source: U.S. Geological Survey
Date Data Arrived at EDR: 04/11/2018	Telephone: 888-275-8747
Date Made Active in Reports: 11/06/2019	Last EDR Contact: 10/05/2021
Number of Days to Update: 574	Next Scheduled EDR Contact: 01/17/2022
	Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 01/01/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/03/2017	Telephone: 615-532-8599
Date Made Active in Reports: 04/07/2017	Last EDR Contact: 08/06/2021
Number of Days to Update: 63	Next Scheduled EDR Contact: 11/22/2021
	Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/13/2021
Date Data Arrived at EDR: 09/15/2021
Date Made Active in Reports: 09/28/2021
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 09/15/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 07/26/2021
Next Scheduled EDR Contact: 11/15/2021
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 08/06/2021
Next Scheduled EDR Contact: 11/15/2021
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 06/17/2020
Date Made Active in Reports: 09/10/2020
Number of Days to Update: 85

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 09/17/2021
Next Scheduled EDR Contact: 12/27/2021
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 08/14/2020
Date Made Active in Reports: 11/04/2020
Number of Days to Update: 82

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 08/17/2021
Next Scheduled EDR Contact: 11/29/2021
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/19/2021
Date Data Arrived at EDR: 07/19/2021
Date Made Active in Reports: 10/12/2021
Number of Days to Update: 85

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 07/19/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 07/29/2021
Date Data Arrived at EDR: 08/04/2021
Date Made Active in Reports: 08/31/2021
Number of Days to Update: 27

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 10/01/2021
Next Scheduled EDR Contact: 12/13/2021
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 05/07/2021
Date Data Arrived at EDR: 05/13/2021
Date Made Active in Reports: 08/03/2021
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 07/14/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 12/30/2020
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 03/05/2021
Number of Days to Update: 50

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 10/01/2021
Next Scheduled EDR Contact: 11/15/2021
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/19/2020
Date Data Arrived at EDR: 01/08/2021
Date Made Active in Reports: 03/22/2021
Number of Days to Update: 73

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 10/08/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 09/30/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 03/08/2021
Date Data Arrived at EDR: 03/11/2021
Date Made Active in Reports: 05/11/2021
Number of Days to Update: 61

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 07/14/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 12/01/2020
Date Made Active in Reports: 02/09/2021
Number of Days to Update: 70

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 09/03/2021
Next Scheduled EDR Contact: 12/13/2021
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/12/2017
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 251

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 08/31/2021
Next Scheduled EDR Contact: 12/13/2021
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 09/13/2019
Date Data Arrived at EDR: 11/06/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 96

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 08/06/2021
Next Scheduled EDR Contact: 11/15/2021
Data Release Frequency: Varies

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 84

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 09/27/2021
Next Scheduled EDR Contact: 01/10/2022
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 80

Source: Department of Transportation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 07/23/2021
Next Scheduled EDR Contact: 11/08/2021
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 06/30/2021	Source: Department of Justice, Consent Decree Library
Date Data Arrived at EDR: 07/14/2021	Telephone: Varies
Date Made Active in Reports: 07/16/2021	Last EDR Contact: 09/30/2021
Number of Days to Update: 2	Next Scheduled EDR Contact: 01/17/2022
	Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2017	Source: EPA/NTIS
Date Data Arrived at EDR: 06/22/2020	Telephone: 800-424-9346
Date Made Active in Reports: 11/20/2020	Last EDR Contact: 09/15/2021
Number of Days to Update: 151	Next Scheduled EDR Contact: 01/03/2022
	Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014	Source: USGS
Date Data Arrived at EDR: 07/14/2015	Telephone: 202-208-3710
Date Made Active in Reports: 01/10/2017	Last EDR Contact: 10/05/2021
Number of Days to Update: 546	Next Scheduled EDR Contact: 01/17/2022
	Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 08/08/2017	Source: Department of Energy
Date Data Arrived at EDR: 09/11/2018	Telephone: 202-586-3559
Date Made Active in Reports: 09/14/2018	Last EDR Contact: 07/23/2021
Number of Days to Update: 3	Next Scheduled EDR Contact: 11/15/2021
	Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 08/30/2019	Source: Department of Energy
Date Data Arrived at EDR: 11/15/2019	Telephone: 505-845-0011
Date Made Active in Reports: 01/28/2020	Last EDR Contact: 08/12/2021
Number of Days to Update: 74	Next Scheduled EDR Contact: 11/29/2021
	Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 07/29/2021	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/04/2021	Telephone: 703-603-8787
Date Made Active in Reports: 08/31/2021	Last EDR Contact: 10/01/2021
Number of Days to Update: 27	Next Scheduled EDR Contact: 01/10/2022
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931 and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 05/03/2021
Date Data Arrived at EDR: 05/25/2021
Date Made Active in Reports: 08/11/2021
Number of Days to Update: 78

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 08/24/2021
Next Scheduled EDR Contact: 12/06/2021
Data Release Frequency: Semi-Annually

MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 06/30/2021
Date Data Arrived at EDR: 07/01/2021
Date Made Active in Reports: 09/28/2021
Number of Days to Update: 89

Source: DOL, Mine Safety & Health Admini
Telephone: 202-693-9424
Last EDR Contact: 09/09/2021
Next Scheduled EDR Contact: 12/13/2021
Data Release Frequency: Quarterly

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 05/06/2020
Date Data Arrived at EDR: 05/27/2020
Date Made Active in Reports: 08/13/2020
Number of Days to Update: 78

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 08/26/2021
Next Scheduled EDR Contact: 12/06/2021
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011	Source: USGS
Date Data Arrived at EDR: 06/08/2011	Telephone: 703-648-7709
Date Made Active in Reports: 09/13/2011	Last EDR Contact: 08/26/2021
Number of Days to Update: 97	Next Scheduled EDR Contact: 12/06/2021
	Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 06/15/2021	Source: Department of Interior
Date Data Arrived at EDR: 06/16/2021	Telephone: 202-208-2609
Date Made Active in Reports: 08/17/2021	Last EDR Contact: 09/14/2021
Number of Days to Update: 62	Next Scheduled EDR Contact: 12/20/2021
	Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 05/05/2021	Source: EPA
Date Data Arrived at EDR: 05/18/2021	Telephone: (312) 353-2000
Date Made Active in Reports: 08/17/2021	Last EDR Contact: 08/31/2021
Number of Days to Update: 91	Next Scheduled EDR Contact: 12/13/2021
	Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/06/2021	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/21/2021	Telephone: 202-564-0527
Date Made Active in Reports: 08/11/2021	Last EDR Contact: 08/26/2021
Number of Days to Update: 82	Next Scheduled EDR Contact: 12/06/2021
	Data Release Frequency: Varies

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2018	Source: Department of Defense
Date Data Arrived at EDR: 07/02/2020	Telephone: 703-704-1564
Date Made Active in Reports: 09/17/2020	Last EDR Contact: 10/07/2021
Number of Days to Update: 77	Next Scheduled EDR Contact: 01/24/2022
	Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/26/2021
Date Data Arrived at EDR: 07/01/2021
Date Made Active in Reports: 09/28/2021
Number of Days to Update: 89

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 10/05/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Quarterly

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 05/14/2021
Date Data Arrived at EDR: 05/14/2021
Date Made Active in Reports: 08/03/2021
Number of Days to Update: 81

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 08/13/2021
Next Scheduled EDR Contact: 11/29/2021
Data Release Frequency: Quarterly

AIRS: Air Permit Program Listing

A listing of permits issued by the Air Permit Program.

Date of Government Version: 07/12/2021
Date Data Arrived at EDR: 07/14/2021
Date Made Active in Reports: 10/06/2021
Number of Days to Update: 84

Source: Department of Natural Resources
Telephone: 608-266-2621
Last EDR Contact: 10/07/2021
Next Scheduled EDR Contact: 01/24/2022
Data Release Frequency: Annually

ASBESTOS: Asbestos Notification Listing

Asbestos sites

Date of Government Version: 05/20/2021
Date Data Arrived at EDR: 05/20/2021
Date Made Active in Reports: 08/09/2021
Number of Days to Update: 81

Source: Department of Natural Resources
Telephone: 608-267-7542
Last EDR Contact: 08/18/2021
Next Scheduled EDR Contact: 12/06/2021
Data Release Frequency: Varies

BRRTS: Bureau of Remediation & Redevelopment Tracking System

BRRTS is a tracking system of contaminated sites. It holds key information for finding out more about a site or an activity. Activity types included are: Abandoned Container - An abandoned container with potentially hazardous contents recovered from a site. No discharge to the environment occurs. If the container did release a hazardous substance, a spill would be associated with the site. Superfund - is a federal program created by Congress in 1980 to finance cleanup of the nation's worst hazardous waste sites. VPLE - Voluntary Property Liability Exemptions apply to sites in which a property owner conducts an environmental investigation and cleanup of an entire property and then receives limits on their future liability. General Property - Environmental actions which apply to the property as a whole, rather than a specific source of contamination, such as the LUST or environmental repair site. Examples would be off-site letters, municipal liability clarification letters, lease letters, voluntary party liability exemption actions, and general liability clarification letters.

Date of Government Version: 06/23/2021
Date Data Arrived at EDR: 06/24/2021
Date Made Active in Reports: 09/17/2021
Number of Days to Update: 85

Source: Department of Natural Resources
Telephone: 608-261-6422
Last EDR Contact: 09/29/2021
Next Scheduled EDR Contact: 01/10/2022
Data Release Frequency: Quarterly

COAL ASH: Coal Ash Disposal Site Listing

A listing of coal combustion monofills.

Date of Government Version: 03/20/2020
Date Data Arrived at EDR: 04/01/2020
Date Made Active in Reports: 06/19/2020
Number of Days to Update: 79

Source: Department of Natural Resources
Telephone: 608-267-3538
Last EDR Contact: 09/15/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

DRYCLEANERS: Five Star Recognition Program Sites

Drycleaning facilities enrolled in the Five Star Recognition Program. The primary focus of the Five Star program is to encourage reductions in the use and emissions of perchloroethylene (perc), a common but potentially hazardous drycleaning solvent. Participating cleaners pursue recycling opportunities, spill prevention strategies, more efficient solvent use, and more wet cleaning to reduce their perc consumption.

Date of Government Version: 06/10/2021
Date Data Arrived at EDR: 06/10/2021
Date Made Active in Reports: 09/02/2021
Number of Days to Update: 84

Source: Department of Natural Resources
Telephone: 608-267-3125
Last EDR Contact: 09/08/2021
Next Scheduled EDR Contact: 12/20/2021
Data Release Frequency: No Update Planned

Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information.

Date of Government Version: 05/13/2021
Date Data Arrived at EDR: 05/14/2021
Date Made Active in Reports: 08/03/2021
Number of Days to Update: 81

Source: Department of Natural Resources
Telephone: 608-266-6965
Last EDR Contact: 08/12/2021
Next Scheduled EDR Contact: 11/29/2021
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing

Information for underground storage tanks. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 04/12/2021
Date Data Arrived at EDR: 04/14/2021
Date Made Active in Reports: 07/02/2021
Number of Days to Update: 79

Source: Department of Agriculture, Trade & Consumer Protection
Telephone: 608-266-0956
Last EDR Contact: 08/06/2021
Next Scheduled EDR Contact: 12/27/2021
Data Release Frequency: No Update Planned

Financial Assurance 3: Financial Assurance Information Listing

Financial assurance information listing for hazardous waste facilities.

Date of Government Version: 05/13/2021
Date Data Arrived at EDR: 05/14/2021
Date Made Active in Reports: 08/03/2021
Number of Days to Update: 81

Source: Department of Natural Resources
Telephone: 608-266-1486
Last EDR Contact: 08/12/2021
Next Scheduled EDR Contact: 11/29/2021
Data Release Frequency: Annually

LEAD: Lead Inspection Data

Lead inspection information.

Date of Government Version: 06/11/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 06/21/2021
Number of Days to Update: 10

Source: Department of Health & Family Services
Telephone: 608-267-0473
Last EDR Contact: 09/10/2021
Next Scheduled EDR Contact: 12/27/2021
Data Release Frequency: Annually

LEAD CERT: Lead Safe Housing Registry

A listing of Wisconsin properties that have been or currently are in our Lead-Free/Lead-Safe Property Registry.

Date of Government Version: 03/04/2021
Date Data Arrived at EDR: 03/05/2021
Date Made Active in Reports: 05/25/2021
Number of Days to Update: 81

Source: Department of Environmental & Occupation
Telephone: 608-267-0928
Last EDR Contact: 08/25/2021
Next Scheduled EDR Contact: 12/13/2021
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 09/01/2021
Next Scheduled EDR Contact: 12/20/2021
Data Release Frequency: Annually

NPDES: NPDES Permit Listing

A listing of stormwater permit industrial facilities.

Date of Government Version: 05/17/2021
Date Data Arrived at EDR: 05/18/2021
Date Made Active in Reports: 08/03/2021
Number of Days to Update: 77

Source: Department of Natural Resources
Telephone: 608-264-8971
Last EDR Contact: 08/17/2021
Next Scheduled EDR Contact: 11/29/2021
Data Release Frequency: Quarterly

TIER 2: Tier 2 Facility Listing

A listing of facilities which store or manufacture hazardous materials that submit a chemical inventory report.

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 05/07/2021
Date Made Active in Reports: 07/23/2021
Number of Days to Update: 77

Source: Department of Natural Resources
Telephone: 608-242-3225
Last EDR Contact: 08/06/2021
Next Scheduled EDR Contact: 11/22/2021
Data Release Frequency: Varies

WRRSER: Wisconsin Remedial Response Site Evaluation Report

The WRRSER provides information about location, status, and priority of sites or facilities in the state which are known to cause or have a high potential to cause environmental pollution.

Date of Government Version: 10/01/1995
Date Data Arrived at EDR: 01/02/1996
Date Made Active in Reports: 02/01/1996
Number of Days to Update: 30

Source: Department of Natural Resources
Telephone: 608-261-6422
Last EDR Contact: 09/23/2016
Next Scheduled EDR Contact: 01/09/2017
Data Release Frequency: No Update Planned

PCS ENF: Enforcement data

No description is available for this data

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 02/05/2015
Date Made Active in Reports: 03/06/2015
Number of Days to Update: 29

Source: EPA
Telephone: 202-564-2497
Last EDR Contact: 09/30/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Varies

PCS INACTIVE: Listing of Inactive PCS Permits

An inactive permit is a facility that has shut down or is no longer discharging.

Date of Government Version: 11/05/2014
Date Data Arrived at EDR: 01/06/2015
Date Made Active in Reports: 05/06/2015
Number of Days to Update: 120

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/30/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Semi-Annually

PCS: Permit Compliance System

PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/14/2011
Date Data Arrived at EDR: 08/05/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 55

Source: EPA, Office of Water
Telephone: 202-564-2496
Last EDR Contact: 09/30/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Semi-Annually

MINES MRDS: Mineral Resources Data System
Mineral Resources Data System

Date of Government Version: 04/06/2018
Date Data Arrived at EDR: 10/21/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 3

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 08/26/2021
Next Scheduled EDR Contact: 12/06/2021
Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Natural Resources in Wisconsin.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Natural Resources in Wisconsin.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/27/2013
Number of Days to Update: 179

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

MILWAUKEE COUNTY:

BROWNFIELDS 2: List of Tax Delinquent Brownfields

Current owners of these sites have not paid their property taxes for one or more years. Based on at least an initial screening of these properties (including a historical land use check and a site visit), the City has decided not to foreclose because of potential environmental contamination. However, the City (using State Statute 75.106) may begin foreclosure, and then assign the foreclosure judgment to a new party that will remediate and redevelop the site. Testing may demonstrate that the site is clean or needs limited environmental clean-up.

Date of Government Version: 03/31/2021
Date Data Arrived at EDR: 04/27/2021
Date Made Active in Reports: 07/15/2021
Number of Days to Update: 79

Source: Redevelopment Authority of the City of Milwaukee
Telephone: 414-286-5642
Last EDR Contact: 07/26/2021
Next Scheduled EDR Contact: 11/08/2021
Data Release Frequency: Semi-Annually

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/24/2021
Date Data Arrived at EDR: 05/11/2021
Date Made Active in Reports: 07/28/2021
Number of Days to Update: 78

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 08/10/2021
Next Scheduled EDR Contact: 11/22/2021
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/16/2019
Number of Days to Update: 36

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 10/05/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 04/29/2020
Date Made Active in Reports: 07/10/2020
Number of Days to Update: 72

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 07/29/2021
Next Scheduled EDR Contact: 11/08/2021
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/19/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 53

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 10/07/2021
Next Scheduled EDR Contact: 01/24/2022
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 02/11/2021
Date Made Active in Reports: 02/24/2021
Number of Days to Update: 13

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 08/11/2021
Next Scheduled EDR Contact: 11/29/2021
Data Release Frequency: Annually

VT MANIFEST: Hazardous Waste Manifest Data

Hazardous waste manifest information.

Date of Government Version: 10/28/2019
Date Data Arrived at EDR: 10/29/2019
Date Made Active in Reports: 01/09/2020
Number of Days to Update: 72

Source: Department of Environmental Conservation
Telephone: 802-241-3443
Last EDR Contact: 10/07/2021
Next Scheduled EDR Contact: 01/24/2022
Data Release Frequency: Annually

Oil/Gas Pipelines

Source: Endeavor Business Media

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data

Source: Endeavor Business Media

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GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Day Care Directory

Source: Department of Health & Family Services

Telephone: 608-266-9314

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

GREEN BAY - FINGER ROAD PARCELS
3731 FINGER ROAD
GREEN BAY, WI 54311

TARGET PROPERTY COORDINATES

Latitude (North):	44.48854 - 44° 29' 18.74"
Longitude (West):	87.89226 - 87° 53' 32.14"
Universal Transverse Mercator:	Zone 16
UTM X (Meters):	429051.3
UTM Y (Meters):	4926306.5
Elevation:	787 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5952375 BELLEVUE, WI
Version Date:	2013
Northeast Map:	5951815 NEW FRANKEN, WI
Version Date:	2013
Southeast Map:	5951817 POLAND, WI
Version Date:	2013
Northwest Map:	5952383 GREEN BAY EAST, WI
Version Date:	2013

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

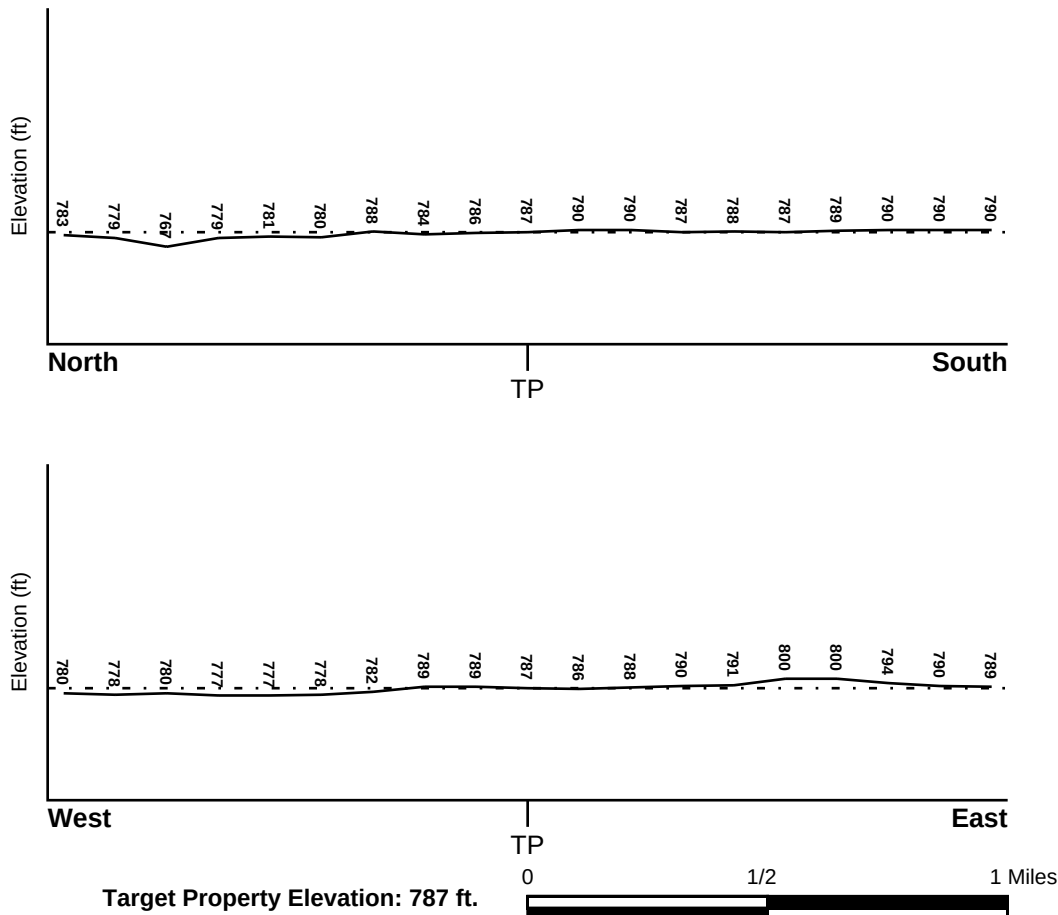
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General North

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

<u>Flood Plain Panel at Target Property</u>	<u>FEMA Source Type</u>
55009C0282F	FEMA FIRM Flood data
<u>Additional Panels in search area:</u>	<u>FEMA Source Type</u>
55009C0194F	FEMA FIRM Flood data
55009C0281F	FEMA FIRM Flood data
55009C0305F	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u>	<u>NWI Electronic Data Coverage</u>
NOT AVAILABLE	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data:*

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

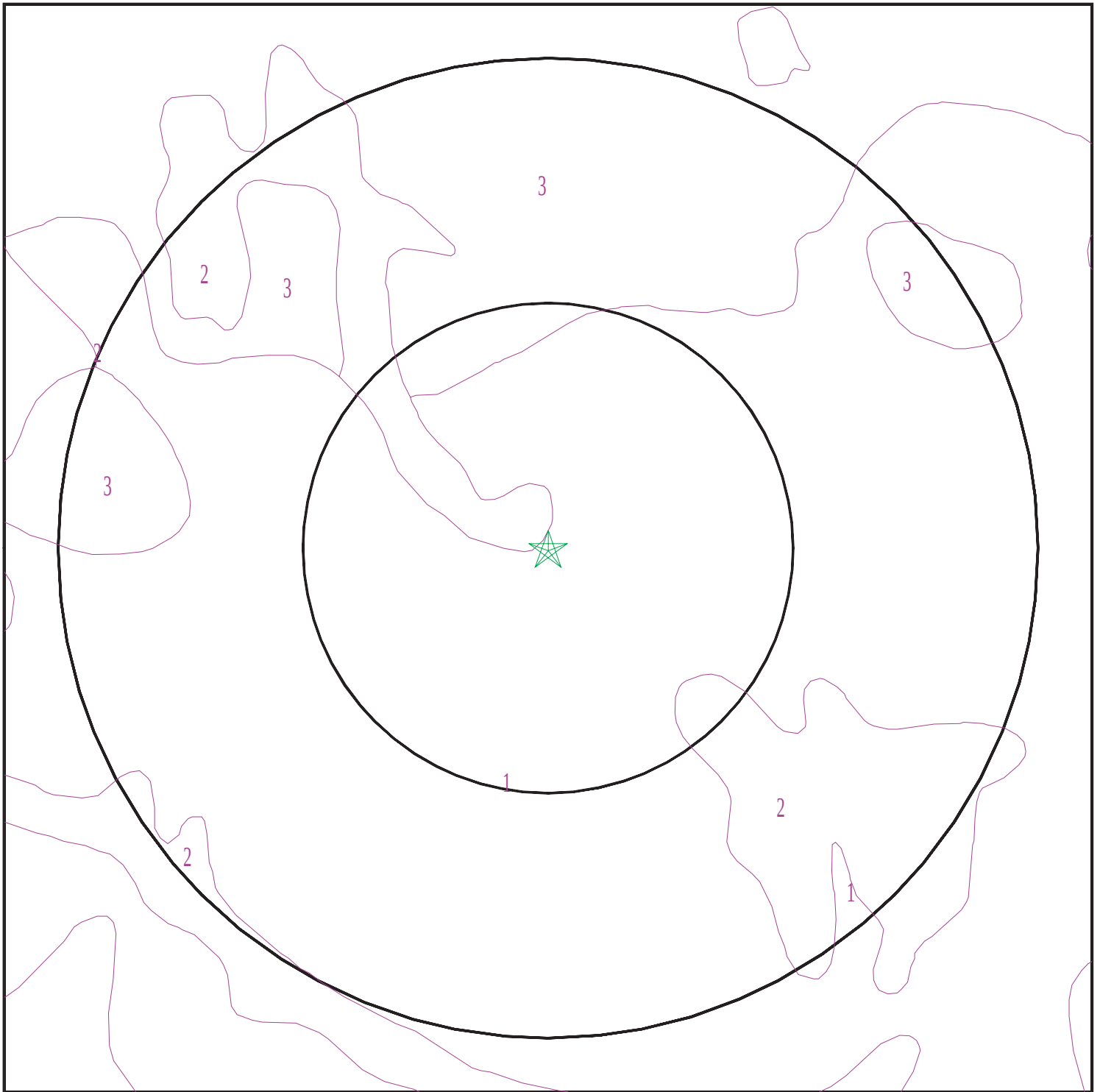
Era:	Paleozoic
System:	Silurian
Series:	Middle Silurian (Niagoaran)
Code:	S2 <i>(decoded above as Era, System & Series)</i>

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 6702595.2s



- ★ Target Property
- SSURGO Soil
- Water

0 1/16 1/8 1/4 Miles



SITE NAME: Green Bay - Finger Road Parcels
ADDRESS: 3731 Finger Road
Green Bay WI 54311
LAT/LONG: 44.48854 / 87.89226

CLIENT: Stantec
CONTACT: Jeff Brand
INQUIRY #: 6702595.2s
DATE: October 13, 2021 6:13 pm

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: Kewaunee

Soil Surface Texture: silt loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	7 inches	silt loam	Not reported	Not reported	Max: 4 Min: 0	Max: 8.4 Min: 7.4
2	7 inches	27 inches	clay	Not reported	Not reported	Max: 4 Min: 0	Max: 8.4 Min: 7.4
3	27 inches	59 inches	clay loam	Not reported	Not reported	Max: 4 Min: 0	Max: 8.4 Min: 7.4

Soil Map ID: 2

Soil Component Name: Poygan

Soil Surface Texture: silty clay loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Poorly drained

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: All hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	7 inches	silty clay loam	Not reported	Not reported	Max: 1 Min: 0	Max: 8.4 Min: 7.4
2	7 inches	24 inches	silty clay	Not reported	Not reported	Max: 1 Min: 0	Max: 8.4 Min: 7.4
3	24 inches	59 inches	clay	Not reported	Not reported	Max: 1 Min: 0	Max: 8.4 Min: 7.4

Soil Map ID: 3

Soil Component Name: Kewaunee

Soil Surface Texture: silt loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	7 inches	silt loam	Not reported	Not reported	Max: 4 Min: 0	Max: 8.4 Min: 7.4
2	7 inches	27 inches	clay	Not reported	Not reported	Max: 4 Min: 0	Max: 8.4 Min: 7.4

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
3	27 inches	59 inches	silty clay loam	Not reported	Not reported	Max: 4 Min: 0	Max: 8.4 Min: 7.4

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	USGS40001319578	1/4 - 1/2 Mile NE
2	USGS40001319493	1/4 - 1/2 Mile SSE
3	USGS40001319593	1/4 - 1/2 Mile NE
4	USGS40001319531	1/2 - 1 Mile East
5	USGS40001319467	1/2 - 1 Mile SSW
6	USGS40001319648	1/2 - 1 Mile North
8	USGS40001319586	1/2 - 1 Mile ENE

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

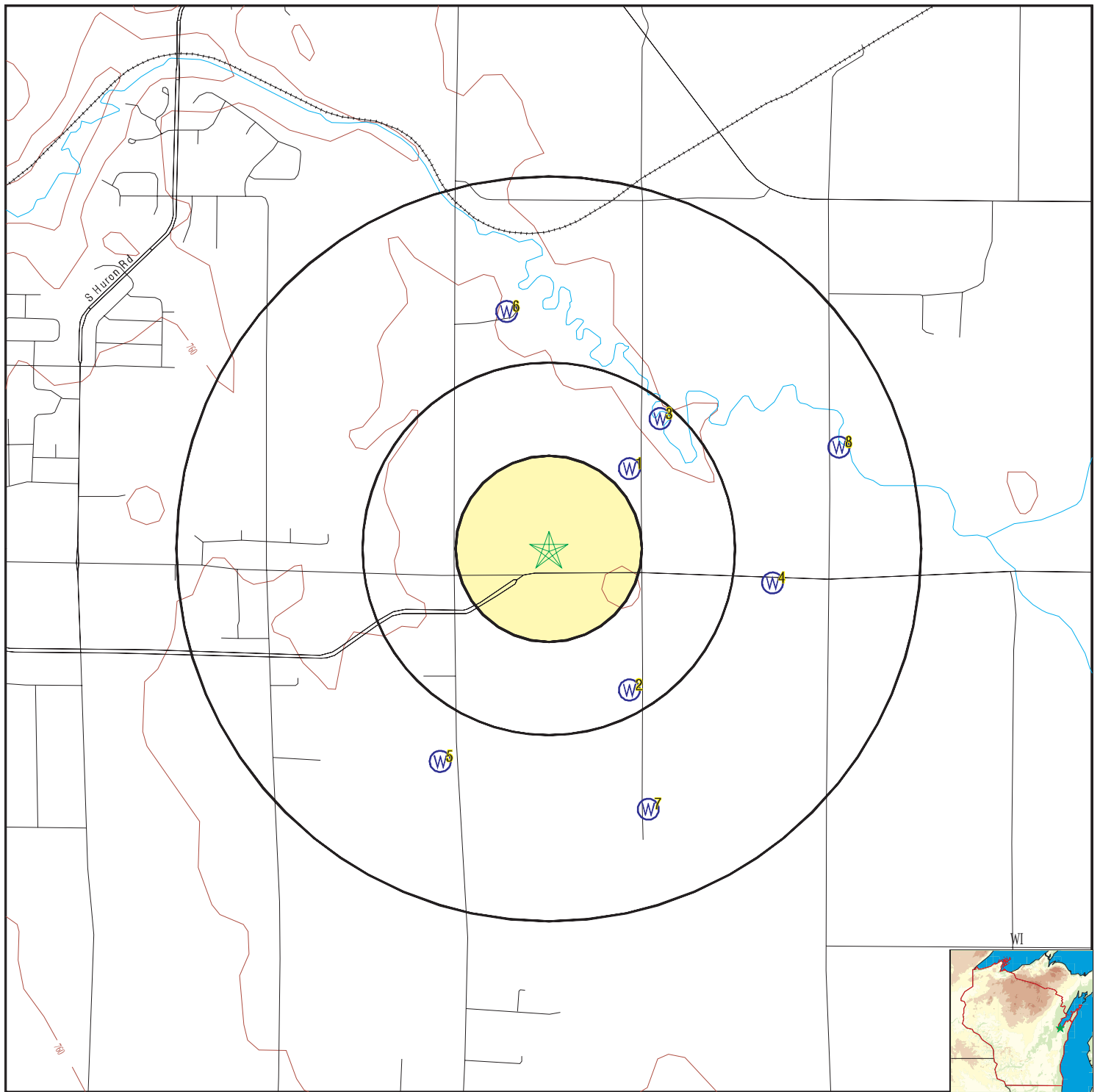
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
<u>7</u>	<u>WI5000000393346</u>	<u>1/2 - 1 Mile SSE</u>

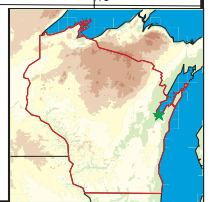
PHYSICAL SETTING SOURCE MAP - 6702595.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data

0 1/4 1/2 1 Miles



SITE NAME: Green Bay - Finger Road Parcels
 ADDRESS: 3731 Finger Road
 Green Bay WI 54311
 LAT/LONG: 44.48854 / 87.89226

CLIENT: Stantec
 CONTACT: Jeff Brand
 INQUIRY #: 6702595.2s
 DATE: October 13, 2021 6:13 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

1
NE
1/4 - 1/2 Mile
Higher

FED USGS USGS40001319578

Organization ID: USGS-WI
Monitor Location: BN-23/21E/01-0516
Description: Not Reported
Drainage Area: Not Reported
Contrib Drainage Area: Not Reported
Aquifer: Silurian-Devonian aquifers
Formation Type: Not Reported
Construction Date: Not Reported
Well Depth Units: ft
Well Hole Depth Units: ft

Organization Name: USGS Wisconsin Water Science Center
Type: Well
HUC: 04030204
Drainage Area Units: Not Reported
Contrib Drainage Area Units: Not Reported

Aquifer Type: Not Reported
Well Depth: 110
Well Hole Depth: 110

Ground water levels,Number of Measurements: 2
Feet below surface: 19.7
Note: Not Reported

Level reading date: 1980-05-30
Feet to sea level: Not Reported

Level reading date: 1978-10-31
Feet to sea level: Not Reported

Feet below surface: 20.00
Note: Not Reported

2
SSE
1/4 - 1/2 Mile
Higher

FED USGS USGS40001319493

Organization ID: USGS-WI
Monitor Location: BN-23/21E/12-0944
Description: Not Reported
Drainage Area: Not Reported
Contrib Drainage Area: Not Reported
Aquifer: Silurian-Devonian aquifers
Formation Type: Not Reported
Construction Date: Not Reported
Well Depth Units: ft
Well Hole Depth Units: ft

Organization Name: USGS Wisconsin Water Science Center
Type: Well
HUC: 04030204
Drainage Area Units: Not Reported
Contrib Drainage Area Units: Not Reported

Aquifer Type: Not Reported
Well Depth: 120
Well Hole Depth: 120

Ground water levels,Number of Measurements: 1
Feet below surface: 30.00
Note: Not Reported

Level reading date: 1974-11-14
Feet to sea level: Not Reported

3
NE
1/4 - 1/2 Mile
Lower

FED USGS USGS40001319593

Organization ID: USGS-WI
Monitor Location: BN-23/22E/06-0532
Description: Not Reported
Drainage Area: Not Reported
Contrib Drainage Area: Not Reported
Aquifer: Silurian-Devonian aquifers
Formation Type: Not Reported
Construction Date: Not Reported

Organization Name: USGS Wisconsin Water Science Center
Type: Well
HUC: 04030204
Drainage Area Units: Not Reported
Contrib Drainage Area Units: Not Reported

Aquifer Type: Not Reported
Well Depth: 100

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well Depth Units:	ft	Well Hole Depth:	100
Well Hole Depth Units:	ft		
Ground water levels,Number of Measurements:	2	Level reading date:	1980-06-04
Feet below surface:	12.6	Feet to sea level:	Not Reported
Note:	Not Reported		
Level reading date:	1978-01-07	Feet below surface:	16.00
Feet to sea level:	Not Reported	Note:	Not Reported

4 East 1/2 - 1 Mile Higher

FED USGS USGS40001319531

Organization ID:	USGS-WI	Organization Name:	USGS Wisconsin Water Science Center
Monitor Location:	BN-23/22E/07-0517	Type:	Well
Description:	Not Reported	HUC:	04030204
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Units:	Not Reported
Aquifer:	Silurian-Devonian aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	110
Well Depth Units:	ft	Well Hole Depth:	110
Well Hole Depth Units:	ft		
Ground water levels,Number of Measurements:	2	Level reading date:	1980-05-30
Feet below surface:	21.1	Feet to sea level:	Not Reported
Note:	Not Reported		
Level reading date:	1976-05-07	Feet below surface:	25.00
Feet to sea level:	Not Reported	Note:	Not Reported

5 SSW 1/2 - 1 Mile Higher

FED USGS USGS40001319467

Organization ID:	USGS-WI	Organization Name:	USGS Wisconsin Water Science Center
Monitor Location:	BN-23/21E/12-0265	Type:	Well
Description:	Not Reported	HUC:	04030204
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Units:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	95	Well Depth Units:	ft
Well Hole Depth:	95	Well Hole Depth Units:	ft
Ground water levels,Number of Measurements:	1	Level reading date:	1967-09-02
Feet below surface:	35.00	Feet to sea level:	Not Reported
Note:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

6
North
1/2 - 1 Mile
Lower

FED USGS USGS40001319648

Organization ID:	USGS-WI	Organization Name:	USGS Wisconsin Water Science Center
Monitor Location:	BN-23/21E/01-0264	Type:	Well
Description:	Not Reported	HUC:	04030102
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Units:	Not Reported
Aquifer:	Silurian-Devonian aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	90
Well Depth Units:	ft	Well Hole Depth:	90
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	1	Level reading date:	1967-03-03
Feet below surface:	28.00	Feet to sea level:	Not Reported
Note:	Not Reported		

7
SSE
1/2 - 1 Mile
Higher

WI WELLS WI5000000393346

WI Well #:	XW733	Date Completed:	20161003
DNR Received:	20161014	Construction Name:	WESLOW WATER SYSTEMS INC
Constructor ID:	6400	Well Status:	1
Original Year:	Not Reported	Reason for Replacement:	Not Reported
Previous Well ID:	Not Reported	New Well ID:	Not Reported
Well Type:	1	Well Category:	P
Facility Type:	Not Reported	Pump Level Below Surface:	60
Pump Amt (gal):	60	Pump Time (hrs):	2
Well Grade (in):	20	Well Developed:	Y
Well Capped:	Y	Well Depth:	102

8
ENE
1/2 - 1 Mile
Lower

FED USGS USGS40001319586

Organization ID:	USGS-WI	Organization Name:	USGS Wisconsin Water Science Center
Monitor Location:	BN-23/22E/06-0705	Type:	Well
Description:	Not Reported	HUC:	04030204
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Units:	Not Reported
Aquifer:	Silurian-Devonian aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	122
Well Depth Units:	ft	Well Hole Depth:	122
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	2	Level reading date:	1980-06-20
Feet below surface:	11.3	Feet to sea level:	Not Reported
Note:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:
Feet to sea level:

1977-02-17
Not Reported

Feet below surface:
Note:

14.00
Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

RADON

AREA RADON INFORMATION

State Database: WI Radon

Radon Test Results

Num Tests	# 4-10 pCi/L	# > 10 pCi/L	Avg pCi/L	Max pCi/L
204	69	23	5.4	29.0
204	69	23	5.4	29.0

Federal EPA Radon Zone for BROWN County: 2

Note: Zone 1 indoor average level > 4 pCi/L.
 : Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
 : Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for BROWN COUNTY, WI

Number of sites tested: 49

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.945 pCi/L	95%	5%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	2.423 pCi/L	84%	16%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Wisconsin Well Construction Report File

Source: Department of Natural Resources

Telephone: 608-266-0153

In the past, not all latitude/longitudes were accurate. Many were protracted from centroid (center of the quarter sections given in PLSS). The ones that were not accurate were removed from the well database.

OTHER STATE DATABASE INFORMATION

RADON

State Database: WI Radon

Source: Department of Health & Family Services

Telephone: 608-266-1865

Wisconsin Measurement Summary

Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

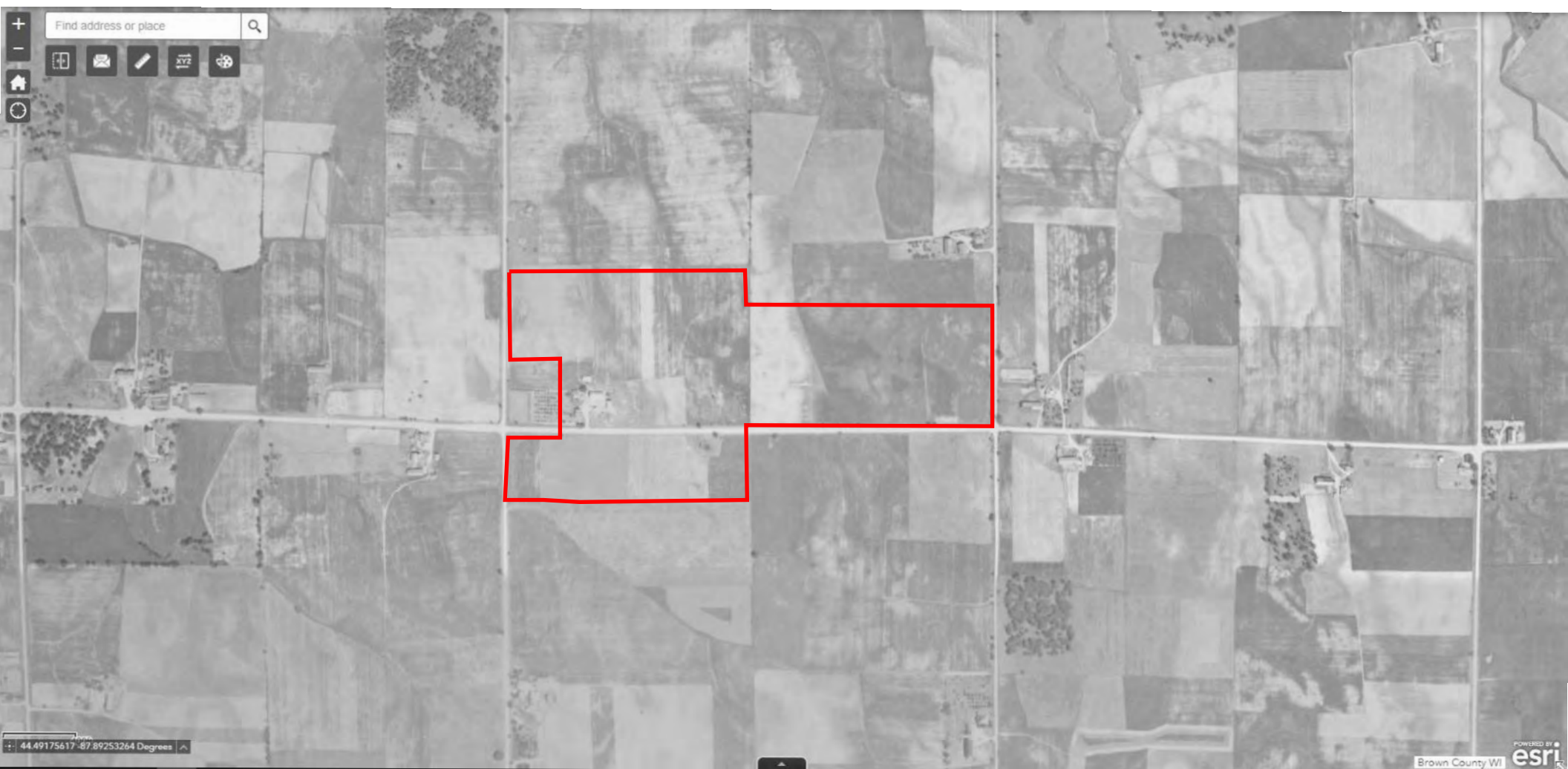
PHYSICAL SETTING SOURCE RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

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Appendix E HISTORICAL RECORDS

1938



1960



1978



1992



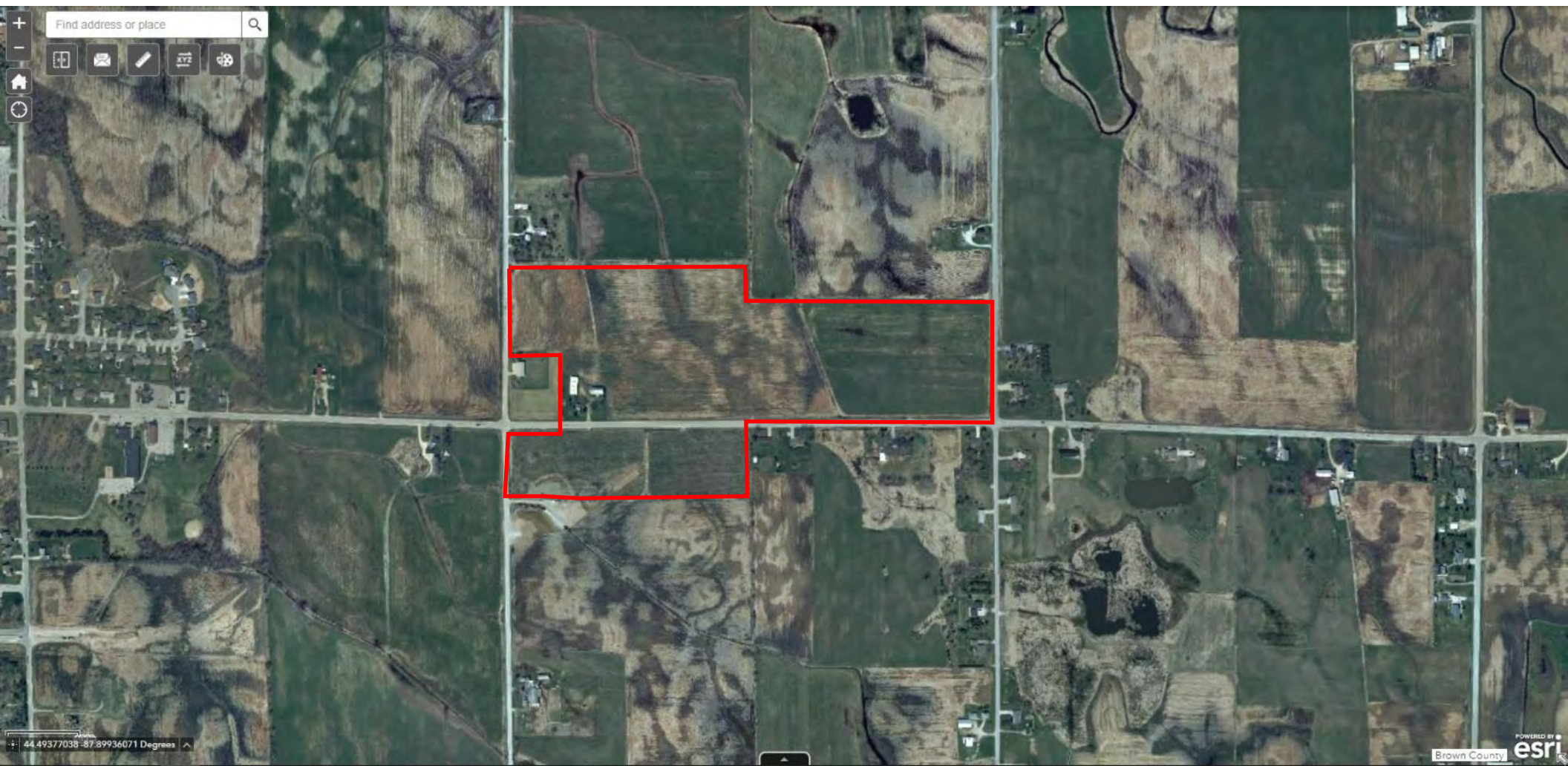
2000



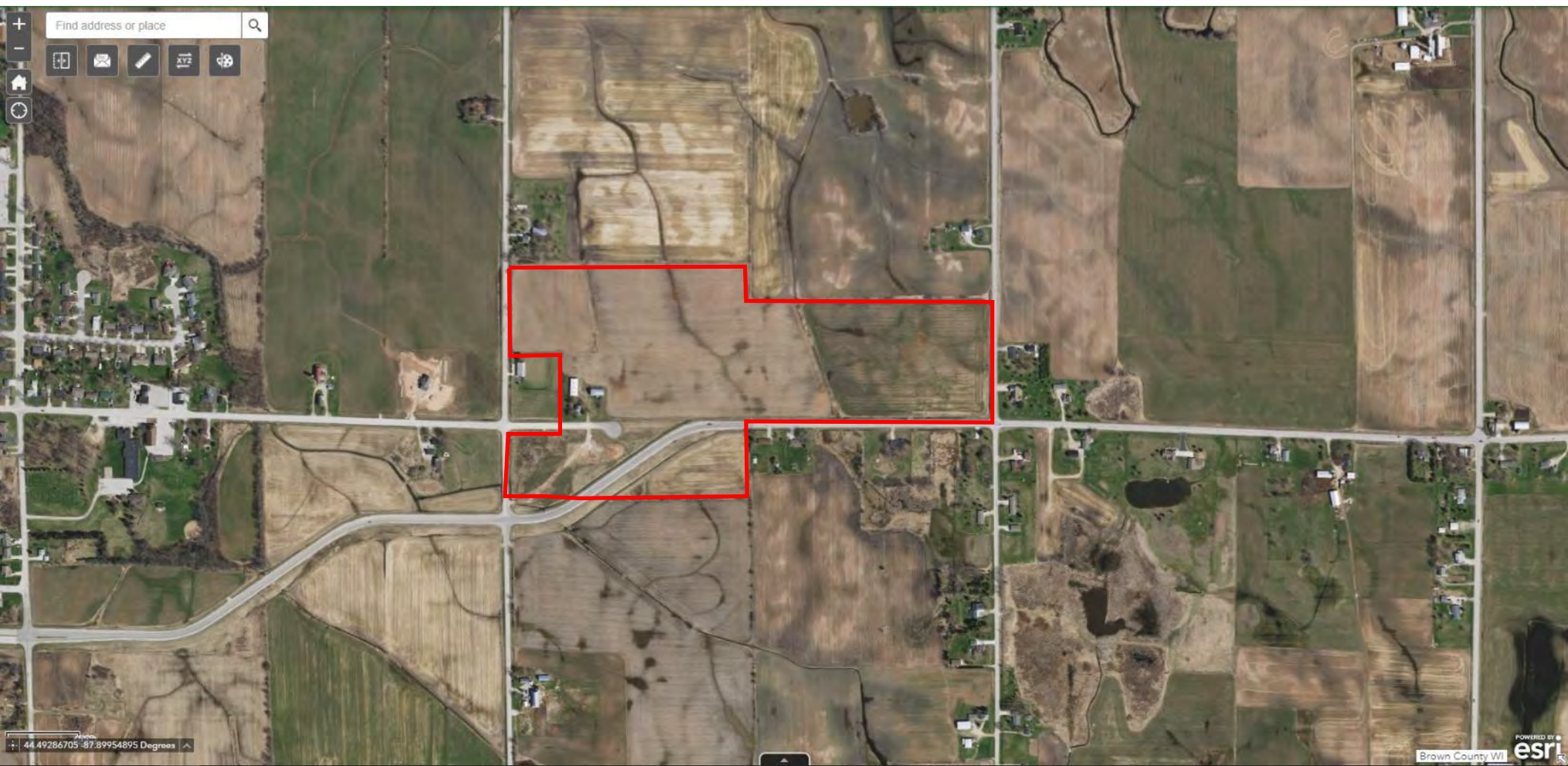
2005



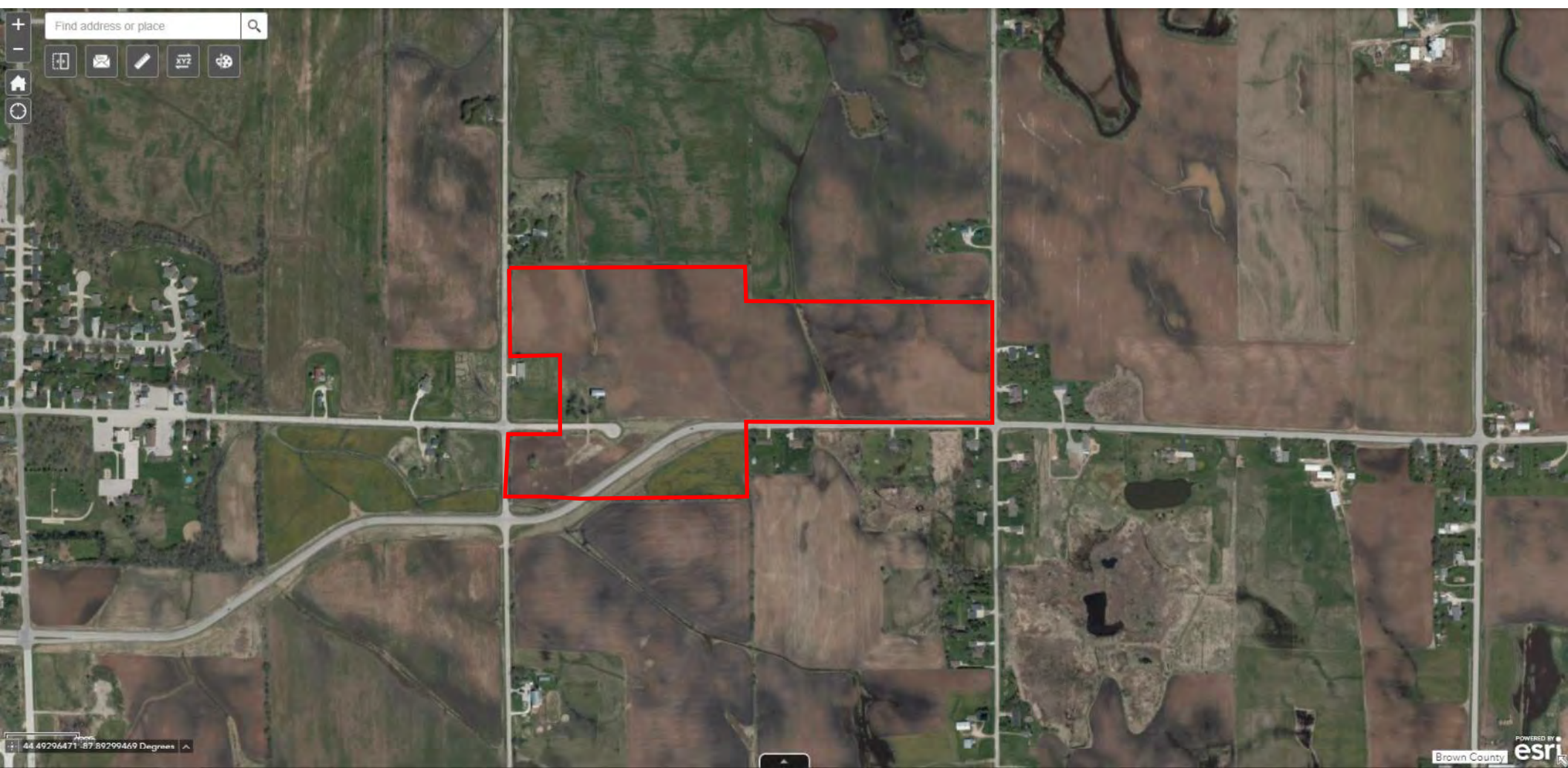
2010



2014



2020





Green Bay - Finger Road Parcels

3731 Finger Road

Green Bay, WI 54311

Inquiry Number: 6702595.3

October 13, 2021

Certified Sanborn® Map Report



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

10/13/21

Site Name:

Green Bay - Finger Road Parcel
3731 Finger Road
Green Bay, WI 54311
EDR Inquiry # 6702595.3

Client Name:

Stantec
1165 Scheuring Rd.
DePere, WI 54115
Contact: Jeff Brand



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The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # A7C3-4CDB-98CA

PO # 1937-20211013

Project Green Bay - Finger Road Parcel

UNMAPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.



Sanborn® Library search results

Certification #: A7C3-4CDB-98CA

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ☒ Library of Congress
- ☒ University Publications of America
- ☒ EDR Private Collection

The Sanborn Library LLC Since 1866™

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Green Bay - Finger Road Parcels

3731 Finger Road

Green Bay, WI 54311

Inquiry Number: 6702595.4

October 13, 2021

EDR Historical Topo Map Report

with QuadMatch™



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Historical Topo Map Report

10/13/21

Site Name:

Green Bay - Finger Road Parcel
3731 Finger Road
Green Bay, WI 54311
EDR Inquiry # 6702595.4

Client Name:

Stantec
1165 Scheuring Rd.
DePere, WI 54115
Contact: Jeff Brand



EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Stantec were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDR's Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:**Coordinates:**

P.O.#	1937-20211013	Latitude:	44.48854 44° 29' 19" North
Project:	Green Bay - Finger Road Parcel	Longitude:	-87.89226 -87° 53' 32" West
		UTM Zone:	Zone 16 North
		UTM X Meters:	429053.39
		UTM Y Meters:	4926523.37
		Elevation:	786.64' above sea level

Maps Provided:

2013
1995
1994
1971
1954

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Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

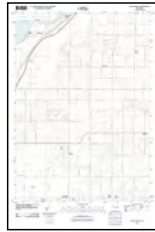
2013 Source Sheets



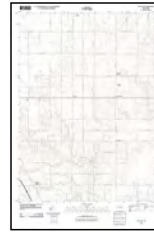
Green Bay East
2013
7.5-minute, 24000



Bellevue
2013
7.5-minute, 24000



New Franken
2013
7.5-minute, 24000



Poland
2013
7.5-minute, 24000

1995 Source Sheets



Green Bay East
1995
7.5-minute, 24000
Aerial Photo Revised 1992



Bellevue
1995
7.5-minute, 24000
Aerial Photo Revised 1992

1994 Source Sheets



Bellevue
1994
7.5-minute, 24000
Aerial Photo Revised 1979

1971 Source Sheets



Green Bay East
1971
7.5-minute, 24000
Aerial Photo Revised 1971

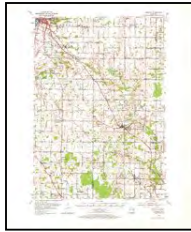


Bellevue
1971
7.5-minute, 24000
Aerial Photo Revised 1971

Topo Sheet Key

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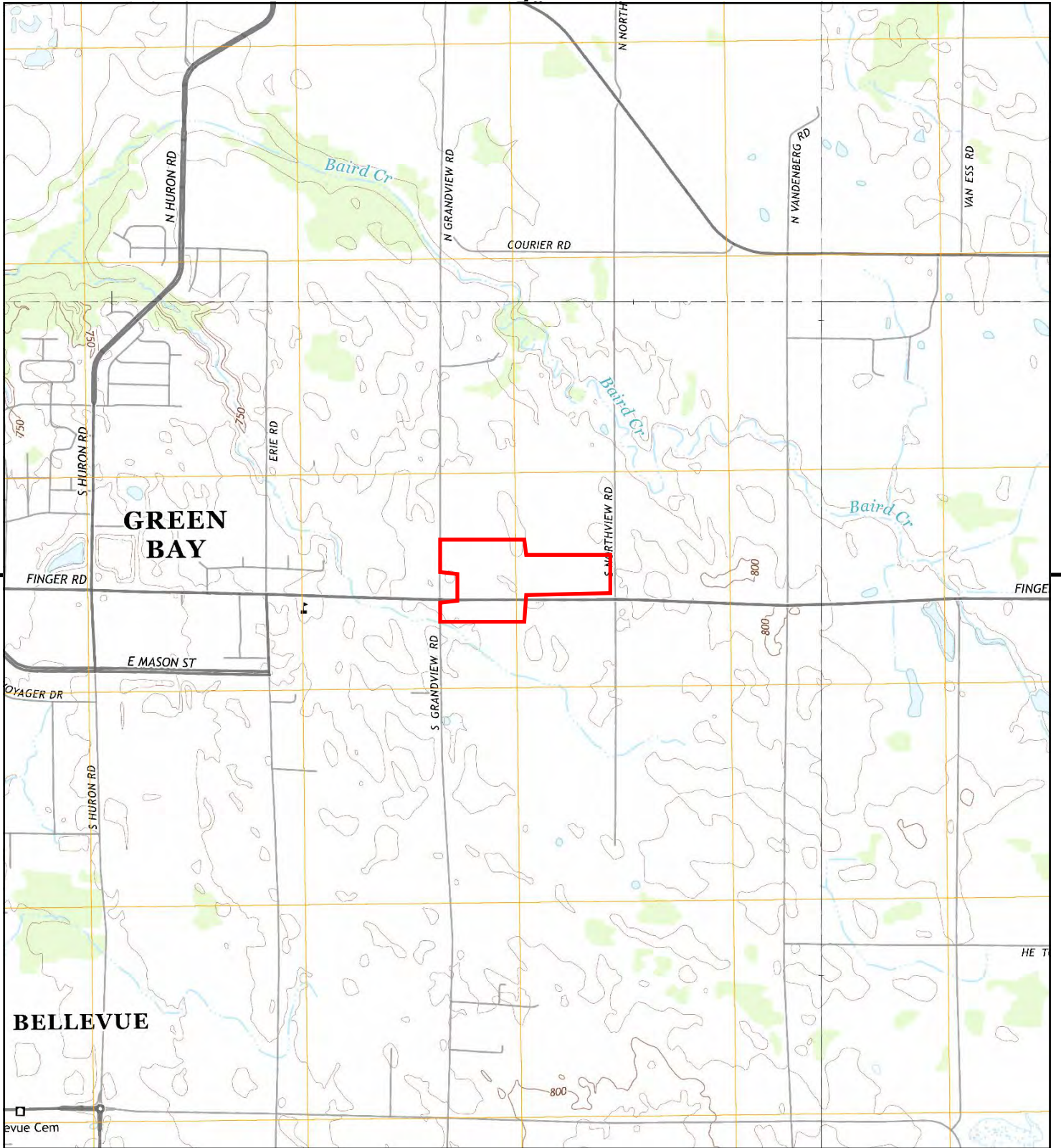
1954 Source Sheets



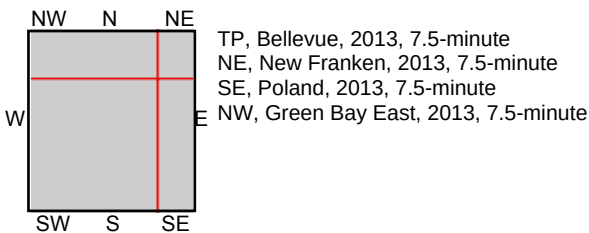
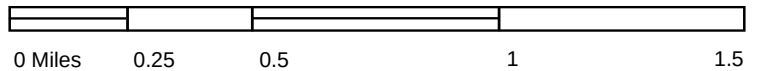
Denmark
1954
15-minute, 62500
Aerial Photo Revised 1951



New Franken
1954
15-minute, 62500
Aerial Photo Revised 1951

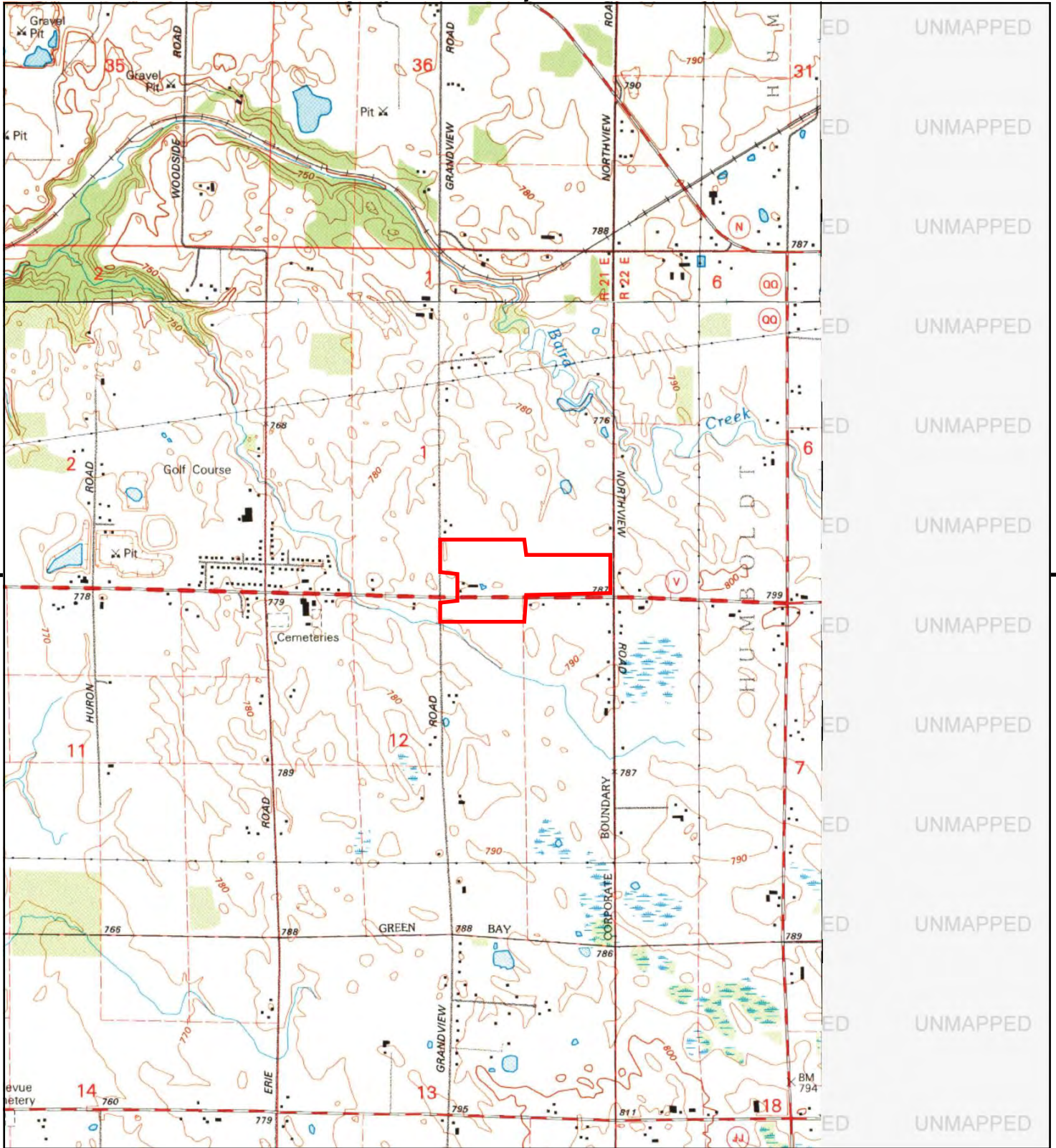


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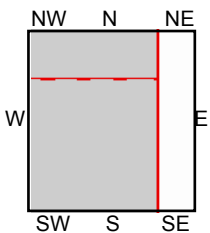
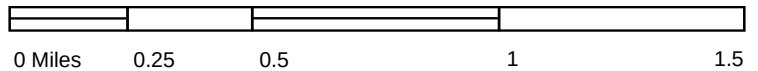


SITE NAME: Green Bay - Finger Road Parcels
ADDRESS: 3731 Finger Road
 Green Bay, WI 54311
CLIENT: Stantec





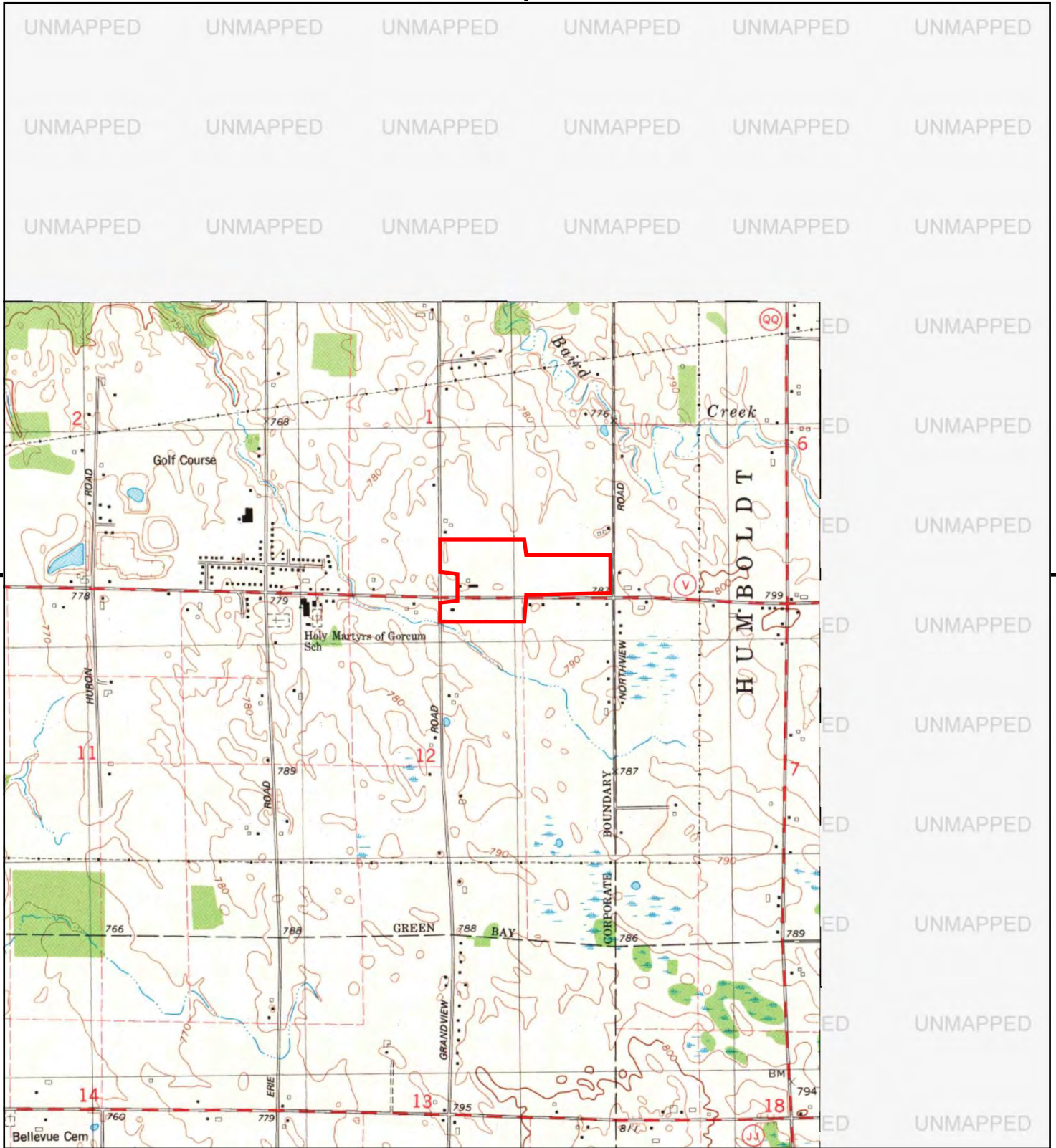
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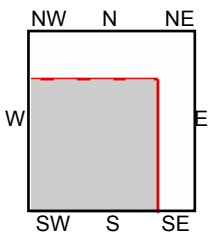
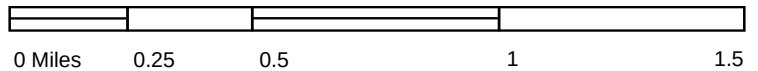
TP, Bellevue, 1995, 7.5-minute
NW, Green Bay East, 1995, 7.5-minute

SITE NAME: Green Bay - Finger Road Parcels
ADDRESS: 3731 Finger Road
Green Bay, WI 54311
CLIENT: Stantec





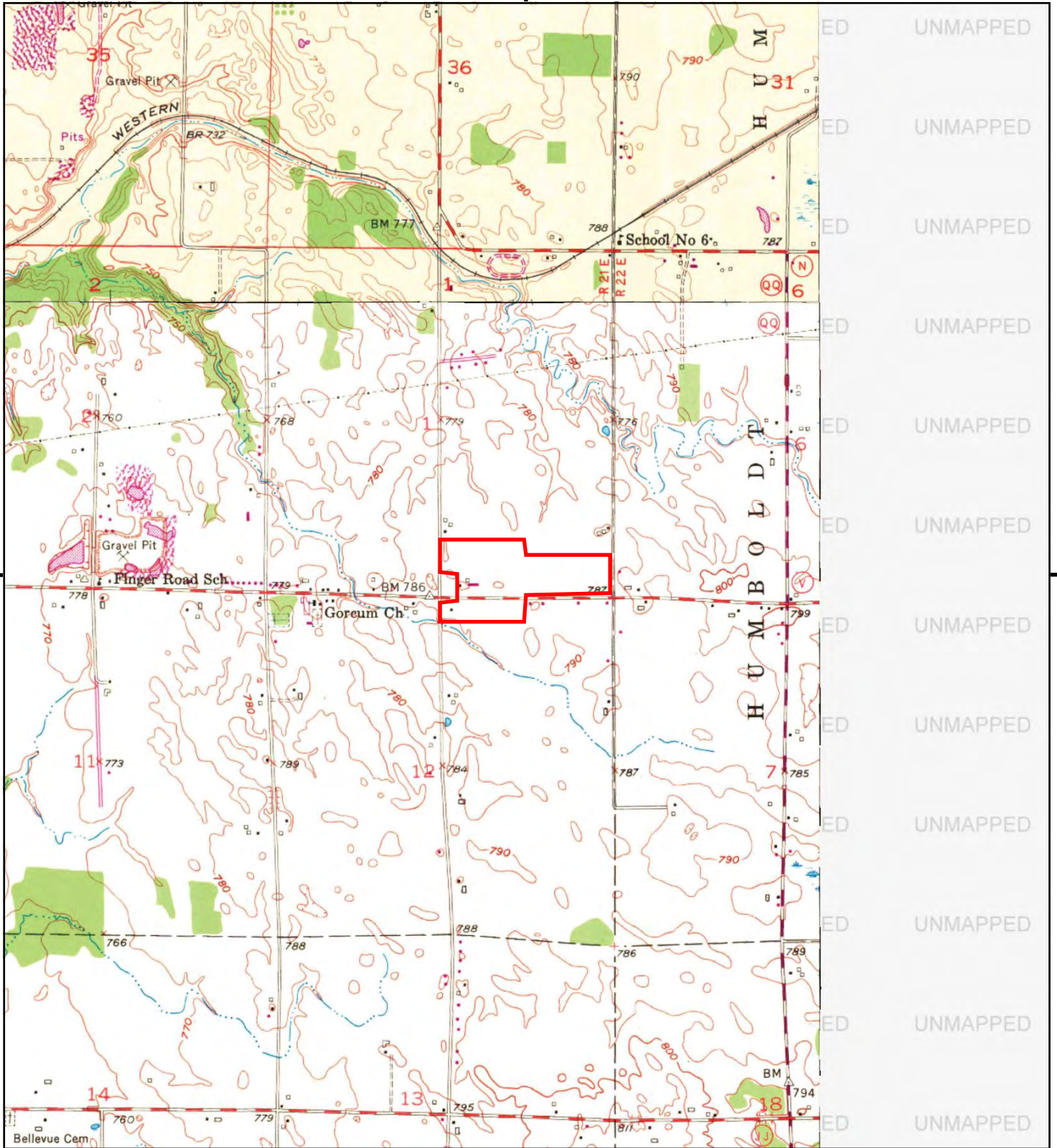
This report includes information from the following map sheet(s).



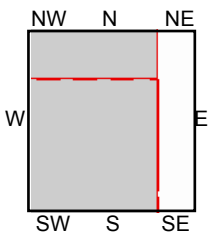
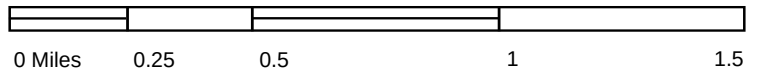
TP, Bellevue, 1994, 7.5-minute

SITE NAME: Green Bay - Finger Road Parcels
 ADDRESS: 3731 Finger Road
 Green Bay, WI 54311
 CLIENT: Stantec





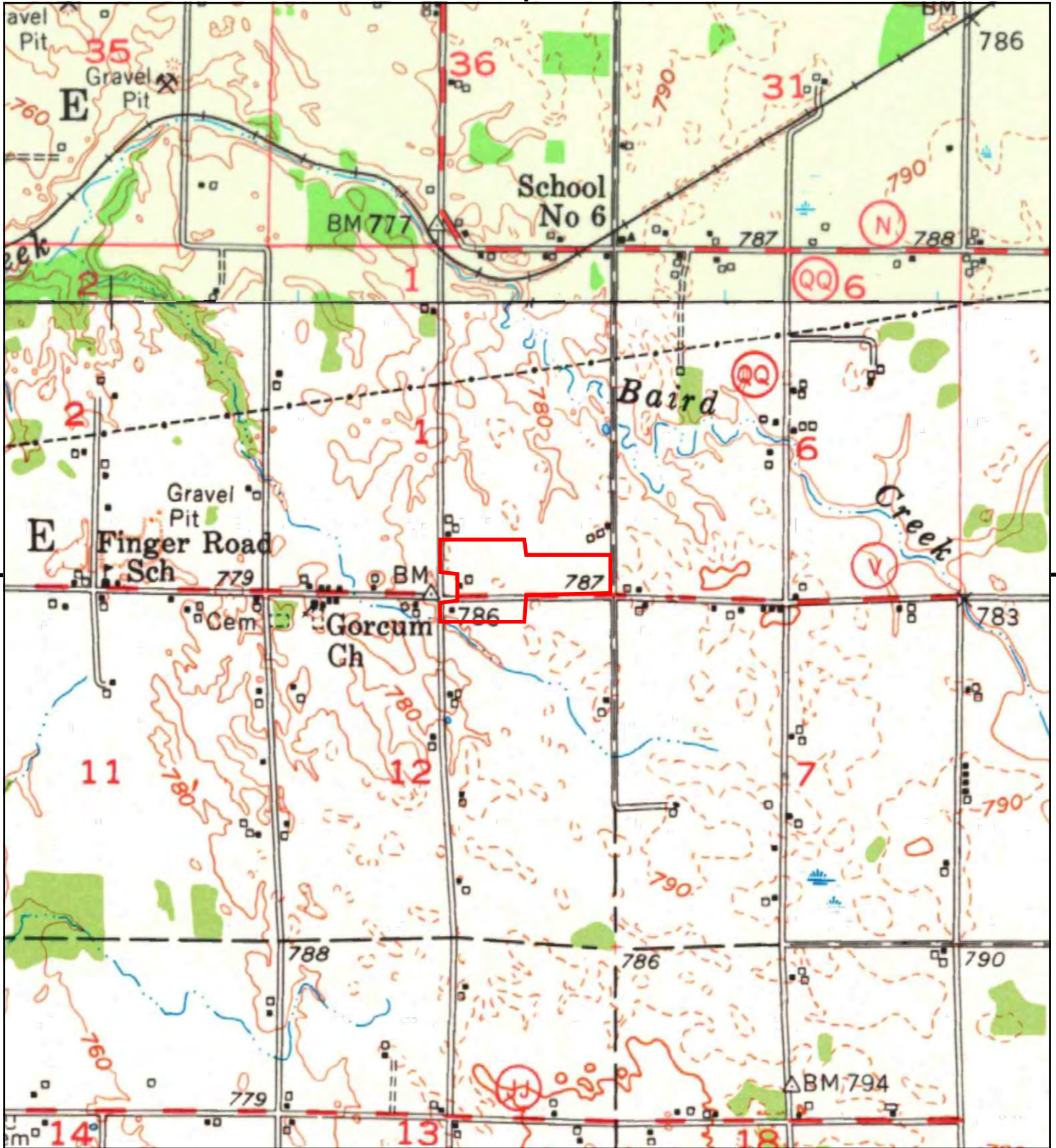
This report includes information from the following map sheet(s).



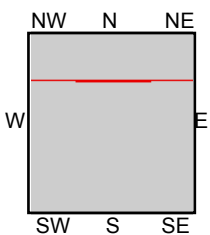
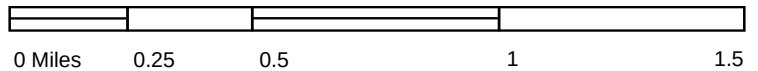
TP, Bellevue, 1971, 7.5-minute
NW, Green Bay East, 1971, 7.5-minute

SITE NAME: Green Bay - Finger Road Parcels
ADDRESS: 3731 Finger Road
Green Bay, WI 54311
CLIENT: Stantec





This report includes information from the following map sheet(s).



TP, Denmark, 1954, 15-minute
N, New Franken, 1954, 15-minute

SITE NAME: Green Bay - Finger Road Parcels
ADDRESS: 3731 Finger Road
Green Bay, WI 54311
CLIENT: Stantec



Appendix F AGENCY RECORD

To go back to your search results please click the back arrow  in the above Toolbar

Tank Details

Site and Owner

Site Info

Facility ID: 108631
MARVIN RENTMEESTER
3731 Finger Rd
Green Bay
Site Anniversary Date:

County & Municipality

Brown County

Fire Dept ID: 0504

Dispenser Has Sumps: N

Owner

Marvin Rentmeester
3731 Finger Rd
Green Bay
WI 54311-7816

Underground Storage Tank - ID: 255882, WANG ID: 050400566, Closed/Removed as of 1986-09-30

Install Date:		Capacity In Gallons:	300	Contents:	Leaded Gasoline
Tank Occupancy:	Agricultural	Marketer:	N	CAS Number	
Federally Regulated:	Formerly	Spill Protection:	Not Installed	Overfill Protection:	Not Installed
Overfill Prot Type:	Not Installed	Containment Sump Installed:		Lining Inspected Date:	
Corrosion Protect Type:		Date Of Lining:		Underground Piping:	N
Leak Detection:	Unknown	Wall Type:			
Leak Test Method:					
Construction Material:	Coated Steel				

PIPING -

Flex Connectors:		UST Mainfolded:		Related Tank ID:	
Type:		Aboveground Piping:	N	Aboveground Pipe Cons:	
Construction Material:		Corrosion Protect Type:		Leak Detection:	
Catastrophic Leak Detection:				Leak Test Method:	
				Pipe Wall Type:	
				Piping System Type:	

Inspection Test Dates

Test Type	Test Date	Test Expire Date

GIS REGISTRY INFORMATION

SITE NAME: J & J Grocery

BRRTS #: 03-05-284693 FID # (if appropriate):

COMMERCE # (if appropriate):

CLOSURE DATE: 09/22/2006

STREET ADDRESS: 4090 Finger Road

CITY: Green Bay

SOURCE PROPERTY GPS COORDINATES (meters in WTM91 projection): X= 688788 Y= 448187

CONTAMINATED MEDIA: ☐ ☐ ☒

OFF-SOURCE GW CONTAMINATION >ES: ☐ Yes ☒ No

IF YES, STREET ADDRESS 1:

GPS COORDINATES (meters in WTM91 projection): X= Y=

OFF-SOURCE SOIL CONTAMINATION >Generic or Site-Specific RCL (SSRCL): ☐ Yes ☒ No

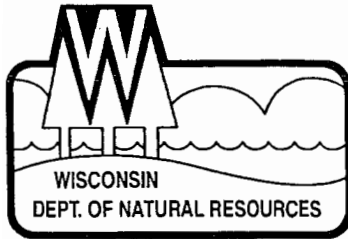
IF YES, STREET ADDRESS 1:

GPS COORDINATES (meters in WTM91 projection): X= Y=

CONTAMINATION IN RIGHT OF WAY: ☒ Yes ☐ No

DOCUMENTS NEEDED:

Closure Letter, and any conditional closure letter or denial letter issued	X
Copy of most recent deed, including legal description, for all affected properties	X
Certified survey map or relevant portion of the recorded plat map (if referenced in the legal description) for all affected properties	
County Parcel ID number, if used for county, for all affected properties	X
Location Map which outlines all properties within contaminated site boundaries on USGS topographic map or plat map in sufficient detail to permit the parcels to be located easily (8.5x14" if paper copy). If groundwater standards are exceeded, the map must also include the location of all municipal and potable wells within 1200' of the site.	X
Detailed Site Map(s) for all affected properties, showing buildings, roads, property boundaries, contaminant sources, utility lines, monitoring wells and potable wells. (8.5x14", if paper copy) This map shall also show the location of all contaminated public streets, highway and railroad rights-of-way in relation to the source property and in relation to the boundaries of groundwater contamination exceeding ch. NR 140 ESs and soil contamination exceeding ch. NR 720 generic or SSRCLs.	X
Tables of Latest Groundwater Analytical Results (no shading or cross-hatching)	X
Tables of Latest Soil Analytical Results (no shading or cross-hatching)	X
Isoconcentration map(s), if required for site investigation (SI) (8.5x14" if paper copy). The isoconcentration map should have flow direction and extent of groundwater contamination defined. If not available, include the latest extent of contaminant plume map.	X
GW: Table of water level elevations, with sampling dates, and free product noted if present	X
GW: Latest groundwater flow direction/monitoring well location map (should be 2 maps if maximum variation in flow direction is greater than 20 degrees)	X
SOIL: Latest horizontal extent of contamination exceeding generic or SSRCLs, with one contour	X
Geologic cross-sections, if required for SI. (8.5x14" if paper copy)	
RP certified statement that legal descriptions are complete and accurate	X
Copies of off-source notification letters (if applicable)	X
Letter informing ROW owner of residual contamination (if applicable)(public, highway or railroad ROW)	X
Copy of (soil or land use) deed restriction(s) or deed notice if any required as a condition of closure	X
Copy of any maintenance plan referenced in the deed restriction.	X



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor
Scott Hassett, Secretary
Ronald W. Kazmierczak, Regional Director

Northeast Region Headquarters
2984 Shawano Ave., P.O. Box 10448
Green Bay, Wisconsin 54307-0448
Telephone 920-662-5100
FAX 920-662-5413
TTY Access via relay - 711

September 22, 2006

Ms. Judith Stein
1331 Bellevue St., Lot 215
Green Bay, WI 54303

SUBJECT: Final Case Closure By Closure Committee With Conditions Met
J & J Grocery, 4090 Finger Road, Green Bay, WI
WDNR BRRTS Activity # 03-05-284693

Dear Ms. Stein:

On June 14, 2004, the Northeast Region Closure Committee reviewed the above referenced case for closure. This committee reviews environmental remediation cases for compliance with state laws and standards to maintain consistency in the closure of these cases. On June 21, 2004, you were notified that the Closure Committee had granted conditional closure to this case.

On September 21, 2006, the Department received final correspondence indicating that you have complied with the requirements of closure (filed deed restriction, soil and groundwater GIS registration and monitoring well abandonment). Based on the correspondence and data provided, it appears that your case has been remediated to Department standards in accordance with s. NR 726.05, Wis. Adm. Code. The Department considers this case closed and no further investigation, remediation or other action is required at this time.

Residual soil contamination remains at this site as indicated in the information submitted to the Department of Natural Resources. If any impacted soil is excavated in the future, the property owner at the time of excavation will be required to sample and analyze the excavated soil to determine whether the contamination still remains. If contamination remains, all current and future owners and occupants of the property need to be aware that excavation of the contaminated soil may pose an inhalation or other direct contact hazard at the time of excavation. **Special precautions may need to be taken during excavation activities to prevent a direct contact health threat to humans.** Based upon the results of sample analysis, the current owner will also have to properly store, treat, or dispose of any excavated materials, in accordance with state and federal laws.

In addition, depending on site-specific conditions, construction over contaminated materials may result in vapor migration into enclosed structures or migration along newly placed underground utility lines. The potential for vapor inhalation and mitigation should be evaluated when planning any future redevelopment, and measures should be taken to ensure the continued protection of public health, safety, welfare and the environment at the site.

Your site will be listed on the DNR Remediation and Redevelopment GIS Registry of Closed Remediation Sites. Information that was submitted with your closure request application will be included on the GIS Registry. To review the sites on the GIS Registry web page, visit <http://dnr.wi.gov/org/aw/rr/gis/index.htm>. If your property is listed on the GIS Registry and you intend to construct or reconstruct a well, you will need Department approval. Department approval is required before construction or reconstruction of a well on a property listed on the GIS Registry, in accordance with s. NR 812.09(4)(w). To obtain approval, Form 3300-254 needs to be completed and submitted to the DNR Drinking and Groundwater program's regional water supply specialist. This form can be obtained on-line <http://www.dnr.state.wi.us/org/water/dwg/3300254.pdf> or at the web address listed above for the GIS Registry.

Your site was closed with the requirement that a deed restriction for groundwater protection be recorded at the county Register of Deeds office, and that maintenance of any impervious surface cover be conducted as described in the maintenance and inspection plan, received October 8, 2004. The maintenance plan and inspection log are to be kept up-to-date and on-site, and the inspection log need only be submitted to the Department upon request. A copy of the deed restriction and the referenced maintenance plan can be found in the Department's regional files, or they can be viewed on the GIS Registry for this site, at <http://dnr.wi.gov/org/aw/rr/gis/index.htm>.

Please be aware that this case may be reopened pursuant to s. NR 726.09, Wis. Adm. Code, if additional information regarding site conditions indicates that contamination on or from the site poses a threat to public health, safety or welfare, or the environment.

The Department appreciates your efforts to restore the environment at this site. If you have any questions regarding this letter, please contact me at (920) 662-5420.

Sincerely,



Keld B. Lauridsen
Hydrogeologist
Remediation & Redevelopment Program

cc: Robert Herubin, NRP Environmental Consultants, Inc. (electronic copy)
William Peroutky, 4090 Finger Road, Green Bay, WI 54311



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor
Scott Hassett, Secretary
Ronald W. Kazmierczak, Regional Director

Northeast Region Headquarters
1125 N. Military Ave., P.O. Box 10448
Green Bay, Wisconsin 54307-0448
Telephone 920-492-5800
FAX 920-492-5913
TTY Access via relay - 711

June 21, 2004

Ms. Judith Stein
1331 Bellevue St., Lot 215
Green Bay, WI 54303

Subject: Conditional Case Closure
J & J Grocery, 4090 Finger Road, Green Bay, WI
WDNR BRRTS # 03-05-284693

Dear Ms. Stein:

On June 14, 2004, your request for closure of the case described above was reviewed by the Northeast Region Closure Committee. The Closure Committee reviews environmental remediation cases for compliance with state rules and statutes to maintain consistency in the closure of these cases. After careful review of the closure request, the Closure Committee has determined that the petroleum contamination identified at the site in the vicinity of the former location of underground storage tanks appears to have been investigated and remediated to the extent practicable under site conditions. Your case has been remediated to Department standards in accordance with s. NR 726.05, Wis. Adm. Code and will be closed if the following conditions are satisfied:

MONITORING WELL ABANDONMENT

The monitoring wells at the site must be properly abandoned in compliance with ch. NR 141, Wis. Adm.. Documentation of well abandonment must be submitted to me on Form 3300-5B found at <http://www.dnr.state.wi.us/org/water/dwg/gw/> or provided by the Department of Natural Resources.

WASTE AND SOIL PILE REMOVAL

Any remaining waste and/or soil piles generated as part of site investigation or remediation activities must be removed from the site and disposed of or treated in accordance with Department of Natural Resources' rules. Please send a letter advising me that any remaining waste and/or soil piles have been removed once that work is completed.

DEED RESTRICTION FOR CONTAMINATED SOIL

To close this site, the Department requires that a deed restriction be signed and recorded to address the issue of the remaining soil contamination associated with the site. The purpose of the restriction is to maintain a surface barrier over the remaining soil contamination to prevent it from impacting human health and the environment.

The Department will send you a draft deed restriction for your review. After you have reviewed the draft document for completeness and made any necessary changes, you should sign it if

you own the property, or have the appropriate property owner sign it, and have it recorded by the Brown County Register of Deeds. Then you must submit a copy of the recorded document, with the recording information stamped on it, to me. Please be aware that if a deed restriction is recorded for the wrong property because of an inaccurate legal description that you have provided, you will be responsible for recording corrected documents at the Register of Deeds Office to correct the problem.

The existing building and any asphalt or concrete areas covering contaminated material must be maintained to minimize contaminant infiltration to groundwater. This cap is to be maintained in accordance with a plan prepared and submitted to the Department pursuant to s. NR 724.13(2), Wis. Adm. Code.

When the above conditions have been satisfied, please submit a letter to let me know that applicable conditions have been met, and your case will be closed. Your site will be listed on the DNR Remediation and Redevelopment GIS Registry of Closed Remediation Sites. Information that was submitted with your closure request application will be included on the registry. To review the sites on the GIS Registry web page, visit <http://gomapout.dnr.state.wi.us/org/at/et/geo/gwur/index.htm>

If this is a PECFA site, section 101.143, Wis. Stats., requires that PECFA claimants seeking reimbursement of interest costs, for sites with petroleum contamination, submit a final reimbursement claim within 120 days after they receive a closure letter on their site. For claims not received by the PECFA Program within 120 days of the date of this letter, interest costs after 60 days of the date of this letter will not be eligible for PECFA reimbursement.

Please be aware that the case may be reopened pursuant to s. NR 726.09, Wis. Adm. Code, if additional information regarding site conditions indicates that contamination on or from the site poses a threat to public health, safety, or welfare or to the environment.

We appreciate your efforts to restore the environment at this site. If you have any questions regarding this letter, please contact me in Green Bay at (920) 492-5921.

Sincerely,


Keld B. Lauridsen
Hydrogeologist
Remediation & Redevelopment Program

cc: Robert Herubin, NRP Environmental Consultants, Inc. (electronic copy)

2024083

Document Number

STATE BAR OF WISCONSIN FORM 1 - 1999
WARRANTY DEEDThis Deed, made between JUDITH A. STEIN A/K/A JUDY A. STEIN, A SINGLE PERSON,Grantor, and WILLIAM F. PEROUTKY, A SINGLE PERSON,

Grantee.

Grantor, for a valuable consideration, conveys to Grantee the following described real estate in BROWN County, State of Wisconsin (if more space is needed, please attach addendum):
A tract of One (1) acre in the Northeast corner of the Northeast Quarter of the Northwest Quarter (NE 1/4 of NW 1/4), Section Seven (7), Township Twenty-three (23) North, Range Twenty-two (22) East, in the Town of Humboldt, Brown County, Wisconsin, excepting therefrom the Westerly 65 feet, and except parts for highway described in Vol. 332 Deeds, page 306 and Vol. 361 Deeds, page 428, Brown County Records.

Together with all appurtenant rights, title and interests.

Grantor warrants that the title to the Property is good, indefeasible in fee simple and free and clear of encumbrances except any and all easements, restrictions and reservations of record.

Dated this 16 day of May, 2003.

Recording Area

Name and Return Address

TI 61368
Bay Title & Abstract, Inc.
345 S. Monroe
P.O. Box 173
Green Bay, WI 54305-0173

HM-133-1

Parcel Identification Number (PIN)

This is _____ homestead property.

(is) 06404

TRANSFER
\$ 168.00
FEE

Judith A. Stein
* Judith A. Stein a/k/a Judy A. Stein

AUTHENTICATION

Signature(s) _____

authenticated this _____ day of _____.

TITLE: MEMBER STATE BAR OF WISCONSIN

(If not, _____
authorized by § 706.06, Wis. Stats.)

THIS INSTRUMENT WAS DRAFTED BY

Attorney Jeffrey C. Beinlich
Green Bay, Wisconsin

(Signatures may be authenticated or acknowledged. Both are not necessary.)

ACKNOWLEDGMENT

STATE OF WISCONSIN)

) ss.

BROWN County)

Personally came before me this 16 day of
May, 2003 the above named

Judith A. Stein a/k/a Judy A. Stein

to me known to be the person(s) who executed the foregoing
instrument and acknowledged the same.

* DIANE M. CAMPSHIRE

Notary Public, State of Wisconsin

My Commission is permanent. (If not, state expiration date: _____)

11-28-04

* Names of persons signing in any capacity must be typed or printed below their signature.

WARRANTY DEED

STATE BAR OF WISCONSIN
FORM No. 1 - 1999Information Professionals Company, Fond du Lac, WI
800-655-2021BROWN COUNTY
REGISTER OF DEEDS
CATHY WILLIQUETTE

2003 JUN 13 P 3:07

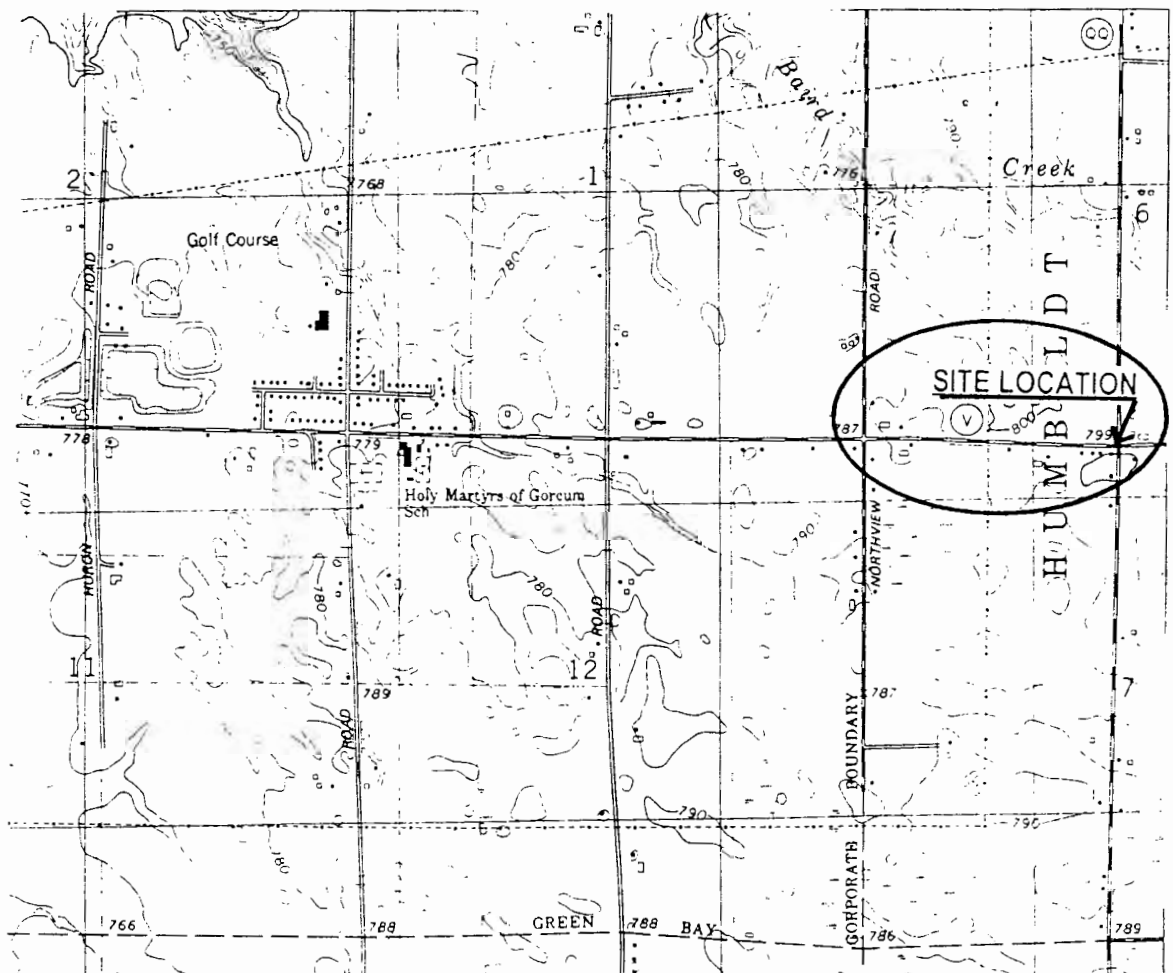
1100
11

Property Tax Record
TOWN OF HUMBOLDT
Brown County, Wisconsin
Parcel Number: HM-133-1

Information is as current as the postings of Sunday, May 02, 2004 at 1:18:23 AM. Note: Documents received prior to this date may be on hold or pending entry into the land records system.

[Return to Search Results](#)[Print Tips](#)

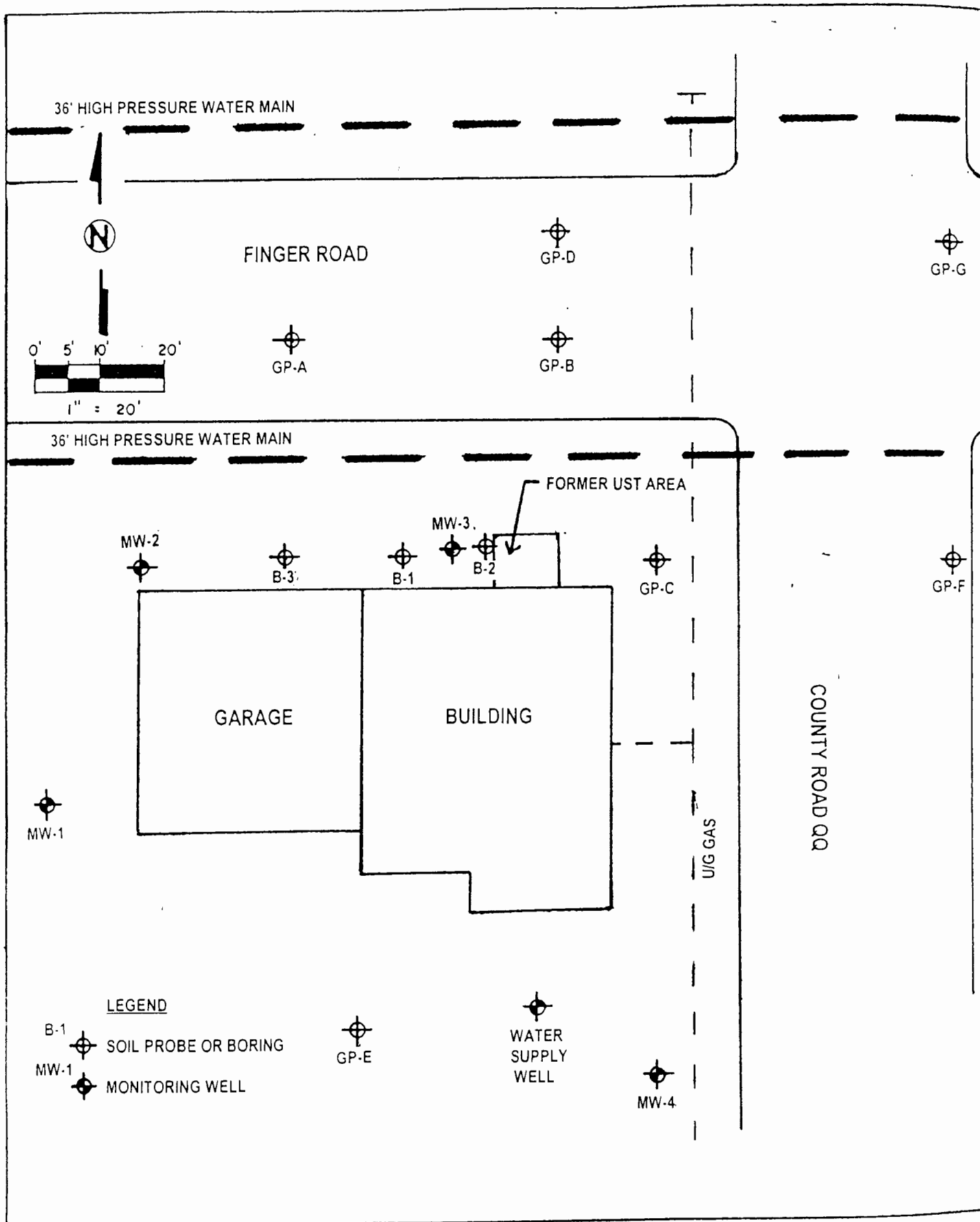
Property Information Parcel Number HM-133-1 Owner Name WILLIAM F PEROUTKY Property Address 4090 FINGER RD Municipality HM - TOWN OF HUMBOLDT School District 2289 - GREEN BAY SCH DIST Sanitary District None Special District(s) None	Current Unofficial Valuation <table><thead><tr><th>Class</th><th>Acres</th><th>Land</th><th>Improvements</th></tr></thead><tbody><tr><td>A - RESIDENTIAL</td><td>0.890</td><td>12,800.00</td><td>49,900.00</td></tr><tr><td>All Classes</td><td>0.890</td><td>12,800.00</td><td>49,900.00</td></tr></tbody></table> Legal Acres 0.890 Values are not official until new tax bills are issued in December. Note: For a specific tax year valuation, select tax year from tax record below. Note: Legal Acres, as listed in the Property's Legal Description, may differ from the Total Acres, or the sum of the acreage for all land classifications.	Class	Acres	Land	Improvements	A - RESIDENTIAL	0.890	12,800.00	49,900.00	All Classes	0.890	12,800.00	49,900.00
Class	Acres	Land	Improvements										
A - RESIDENTIAL	0.890	12,800.00	49,900.00										
All Classes	0.890	12,800.00	49,900.00										
Mailing Address Information WILLIAM F PEROUTKY 4090 FINGER RD GREEN BAY, WI 54311-9523	Reference Document Document #: 2024083												
Tax Records Available <table><thead><tr><th>Tax Year</th></tr></thead><tbody><tr><td>2002</td></tr><tr><td>2003</td></tr></tbody></table> View Tax Detail <i>Tax Detail may take a few moments to appear</i>	Tax Year	2002	2003	Tax Legal Description 0.622 AC M/L 1 ACRE IN NE COR OF NE1/4 NW1/4 S7 T23N R22E E FT & EX RDS Note: May not be a full legal description View Comments/History									
Tax Year													
2002													
2003													



NRP ENVIRONMENTAL CONSULTANTS, INC.

PROJECT STEIN PROPERTY

FIGURE I - SITE LOCATION MAP



NRP ENVIRONMENTAL CONSULTANTS, INC.

PROJECT STEIN PROPERTY

FIGURE 2 - SITE DETAIL MAP

TABLE III

SUMMARY OF GROUNDWATER ANALYSIS RESULTS

Parameter (ppb)	MW-1				WDNR PAL	WDNR ES
	02/05/02	06/12/02	10/17/02	02/26/03		
BENZENE	<0.48	<0.48	<0.45	<0.45	0.5	5
ETHYLBENZENE	<0.43	<0.43	<0.82	<0.82	140	700
MTBE	<0.67	<0.67	<0.43	<0.43	12	60
NAPHTHALENE	<0.59	NA	<0.89	NA	8	40
TOLUENE	<0.47	<0.47	<0.68	<0.68	200	1000
TRIMETHYLBENZENES	<1.03	<1.03	<1.86	<1.86	96	480
TOTAL XYLENES	<1.94	<1.94	<2.47	<2.47	1000	10000
1,2-DICHLOROETHANE	<0.47	NA	NA	NA	0.5	5
Pb	NA	NA	NA	NA	1.5	15

Parameter (ppb)	MW-2				WDNR PAL	WDNR ES
	02/05/02	06/12/02	10/17/02	02/26/03		
BENZENE	<0.48	<0.48	<0.45	<0.45	0.5	5
ETHYLBENZENE	<0.43	<0.43	<0.82	<0.82	140	700
MTBE	<0.67	<0.67	<0.43	<0.43	12	60
NAPHTHALENE	<0.59	NA	<0.89	NA	8	40
TOLUENE	<0.47	<0.47	<0.68	<0.68	200	1000
TRIMETHYLBENZENES	<1.03	<1.03	<1.86	<1.86	96	480
TOTAL XYLENES	<1.94	<1.94	<2.47	<2.47	1000	10000
1,2-DICHLOROETHANE	<0.47	NA	NA	NA	0.5	5
Pb	NA	NA	NA	NA	1.5	15

NOTES:

ppb = parts per billion

WDNR PAL = WDNR NR 140 Preventive Action Limit

WDNR ES = WDNR NR 140 Enforcement Standard

ND = Not known detected

NA = Not known Sampled for

TABLE III

SUMMARY OF GROUNDWATER ANALYSIS RESULTS

Parameter (ppb)	MW-3				WDNR PAL	WDNR ES
	02/05/02	06/12/02	10/17/02	02/26/03		
BENZENE	580	810	2500	1600	0.5	5
ETHYLBENZENE	15	13	340	120	140	700
MTBE	<3.4	<3.4	<8.6	<4.3	12	60
NAPHTHALENE	5.7	NA	170	NA	8	40
TOLUENE	71	20	170	220	200	1000
TRIMETHYLBENZENES	44	15.5	800	740	96	480
TOTAL XYLENES	83	26.8	1830	1020	1000	10000
1,2-DICHLOROETHANE	<0.47	NA	NA	NA	0.5	5
Pb	6.3	NA	NA	NA	1.5	15

Parameter (ppb)	MW-4				WDNR PAL	WDNR ES
	05/17/02	06/12/02	10/17/02	02/26/03		
BENZENE	<0.48	<0.48	<0.45	<0.45	0.5	5
ETHYLBENZENE	<0.43	<0.43	<0.82	<0.82	140	700
MTBE	<0.67	<0.67	<0.43	<0.43	12	60
NAPHTHALENE	<0.59	NA	<0.89	NA	8	40
TOLUENE	<0.47	<0.47	<0.68	<0.68	200	1000
TRIMETHYLBENZENES	<1.03	<1.03	<1.86	<1.86	96	480
TOTAL XYLENES	<1.94	<1.94	<2.47	<2.47	1000	10000
1,2-DICHLOROETHANE	<0.47	NA	NA	NA	0.5	5
Pb	NA	NA	NA	NA	1.5	15

NOTES:

ppb = parts per billion

WDNR PAL = WDNR NR 140 Preventive Action Limit

WDNR ES = WDNR NR 140 Enforcement Standard

TABLE I

SUMMARY OF GROUNDWATER ANALYSIS RESULTS

Parameter (ppb)	MW-3								WDNR PAL	WDNR ES
	2/05/02	06/12/02	10/17/02	02/26/03	06/30/03	09/23/03	01/16/04	04/16/04		
BENZENE	580	810	2500	1600	1100	1100	970	920	0.5	5
ETHYLBENZENE	15	13	340	120	30	25	34	23	140	700
MTBE	<3.4	<3.4	<8.6	<4.3	<2.9	<5.8	<2.9	2.4	12	60
NAPHTHALENE	5.7	NA	170	NA	NA	NA	51	11	8	40
TOLUENE	71	20	170	220	33	30	190	35	200	1000
TRIMETHYLBENZENES	44	15.5	800	740	92	53	320	80	96	480
TOTAL XYLENES	83	26.8	1830	1020	120	51	590	69	1000	10000
1,2-DICHLOROETHANE	<0.47	NA	NA	NA	NA	NA	NA	NA	0.5	5
Pb	6.3	NA	NA	NA	NA	NA	NA	NA	1.5	15

NOTES:

ppb = parts per billion

WDNR PAL = WDNR NR 140 Preventive Action Limit

WDNR ES = WDNR NR 140 Enforcement Standard

TABLE I

SUMMARY OF SOIL SAMPLE ANALYSIS RESULTS FROM SOIL PROBE BORINGS

Boring ID	Sample ID	Sample Depth Below Surface (ft)	GRO	Pb	BENZ	E. BENZ	MTBE	TOLU	TOTAL TMBs	TOTAL XYLENES
B-1	1	9.0	2200	NA	3000	29000	3400	38000	117000	160000
B-2	2-6'	6.0	2000	NA	< 500	18000	< 500	10000	121000	120000
B-3	3-7'	7.0	880	NA	< 310	9200	2200	2800	25700	33300
GP-A	A5	5.0	14	NA	110	< 25	30	< 25	76	120
GP-A	A12	12.0	< 3.0	NA	< 25	< 25	< 25	< 25	< 50	< 50
GP-B	B5	5.0	300	NA	2000	3800	750	4600	9000	11400
GP-B	B12	12.0	< 2.9	NA	330	37	< 25	51	76	120
GP-C	C5	5.0	280	NA	65	1300	240	950	7000	4870
GP-D	D5	5	< 2.9	NA	< 25	< 25	< 25	< 25	< 25	< 25
GP-D	D12	12	< 3.0	NA	< 25	< 25	< 25	< 25	< 31	< 25
GP-E	E6	6	< 2.9	NA	< 25	< 25	< 25	< 25	< 25	< 25
GP-E	E12	12	< 3.0	NA	< 25	< 25	< 25	< 25	< 25	< 25
GP-F	F5	5	< 2.9	NA	< 25	< 25	< 25	< 25	< 25	< 25
GP-F	F12	12	< 2.9	NA	< 25	< 25	< 25	< 25	< 25	< 25
GP-G	G5	5	< 2.9	NA	< 25	< 25	< 25	< 25	< 25	< 25

NOTES

GRO = WDNR modified gasoline range organics - in parts per million (ppm)

DRO = WDNR modified diesel range organics - in parts per million (ppm)

NA = Not known Analyzed

PVOC compounds are in parts per billion (ppb)

TABLE II

SUMMARY OF SOIL SAMPLE ANALYSIS RESULTS FROM MONITORING WELLS

Boring ID	Sample ID	Sample Depth Below Surface (ft)	GRO	Pb	BENZ	E. BENZ	MTBE	TOLU	TOTAL TMBs	TOTAL XYLENES
MW-1	MW1-5-7'	5.0-7.0	<2.9	5.3	<25	<25	<25	<25	<50	<50
MW-1	MW1-12.5-14.5	12.5-14.5	<2.9	NA	<25	<25	<25	<25	<50	<50
MW-2	MW2-5-7'	5.0-7.0	<2.9	5.9	<25	<25	<25	<25	<50	<50
MW-2	MW2-19.5	19.5	<3.0	NA	<25	<25	<25	<25	<50	<50
MW-3	MW3-17	17.0	<3.0	NA	<25	<25	<25	<25	<50	<50
MW-4	4-2'-4'	2.0-4.0	<3.0	6.0	<25	<25	<25	<25	<50	<50
MW-4	4-12'	12.0	<3.0	NA	<25	<25	<25	<25	<50	<50

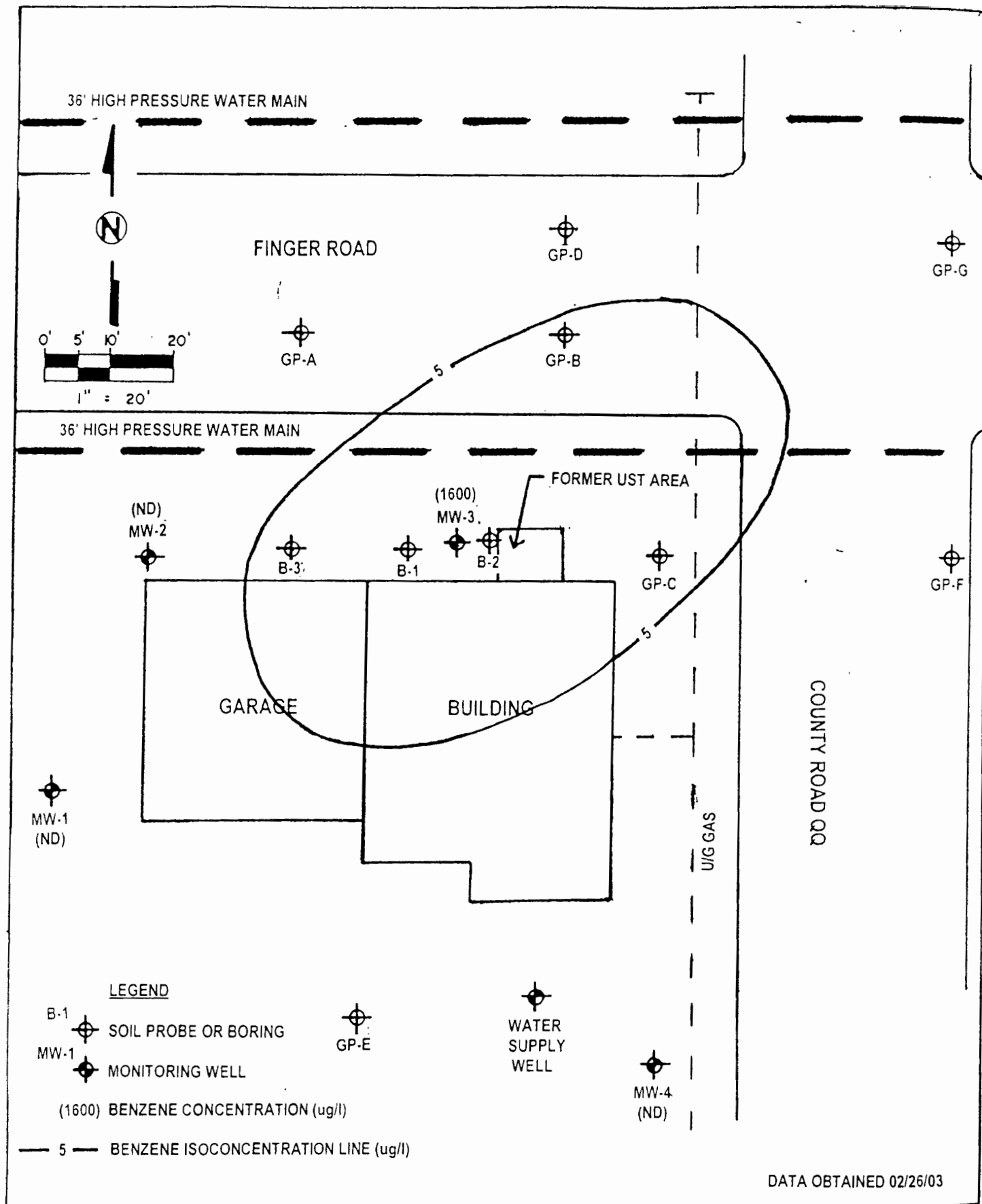
NOTES

GRO = WDNR modified gasoline range organics - in parts per million (ppm)

DRO = WDNR modified diesel range organics - in parts per million (ppm)

NA = Not known Analyzed

PVOC compounds are in parts per billion (ppb)



NRP ENVIRONMENTAL CONSULTANTS, INC.

PROJECT STEIN PROPERTY.

FIGURE 7 - EXTENT OF GROUNDWATER CONTAMINATION

TABLE IV

SUMMARY OF GROUNDWATER ELEVATIONS

Groundwater Elevations Obtained 02/26/03

<u>Well #</u>	<u>Top Of Screen Elevation</u>	<u>Top Of Casing Elevation</u>	<u>Depth To Groundwater</u>	<u>Groundwater Elevation</u>
MW-1	91.1'	98.24'	10.80'	87.44'
MW-2	90.2'	94.84'	7.81'	87.03'
MW-3	90.3'	94.74'	5.53'	89.21'
MW-4	92.4'	98.68'	9.61'	88.97'

Groundwater Elevations Obtained 10/17/02

<u>Well #</u>	<u>Top Of Screen Elevation</u>	<u>Top Of Casing Elevation</u>	<u>Depth To Groundwater</u>	<u>Groundwater Elevation</u>
MW-1	91.1'	98.24'	11.05'	87.19'
MW-2	90.2'	94.84'	3.12'	91.72'
MW-3	90.3'	94.74'	2.11'	92.63'
MW-4	92.4'	98.68'	6.41'	92.27'

Groundwater Elevations Obtained 06/12/02

<u>Well #</u>	<u>Top Of Screen Elevation</u>	<u>Top Of Casing Elevation</u>	<u>Depth To Groundwater</u>	<u>Groundwater Elevation</u>
MW-1	91.1'	98.24'	4.83'	93.41'
MW-2	90.2'	94.84'	1.32'	93.52'
MW-3	90.3'	94.74'	1.17'	93.57'
MW-4	92.4'	98.68'	4.73'	93.95'

Groundwater Elevations Obtained 03/25/02

<u>Well #</u>	<u>Top Of Screen Elevation</u>	<u>Top Of Casing Elevation</u>	<u>Depth To Groundwater</u>	<u>Groundwater Elevation</u>
MW-1	91.1'	98.24'	8.97'	89.27'
MW-2	90.2'	94.84'	2.94'	91.90'
MW-3	90.3'	94.74'	4.72'	90.02'

Groundwater Elevations Obtained 03/14/02

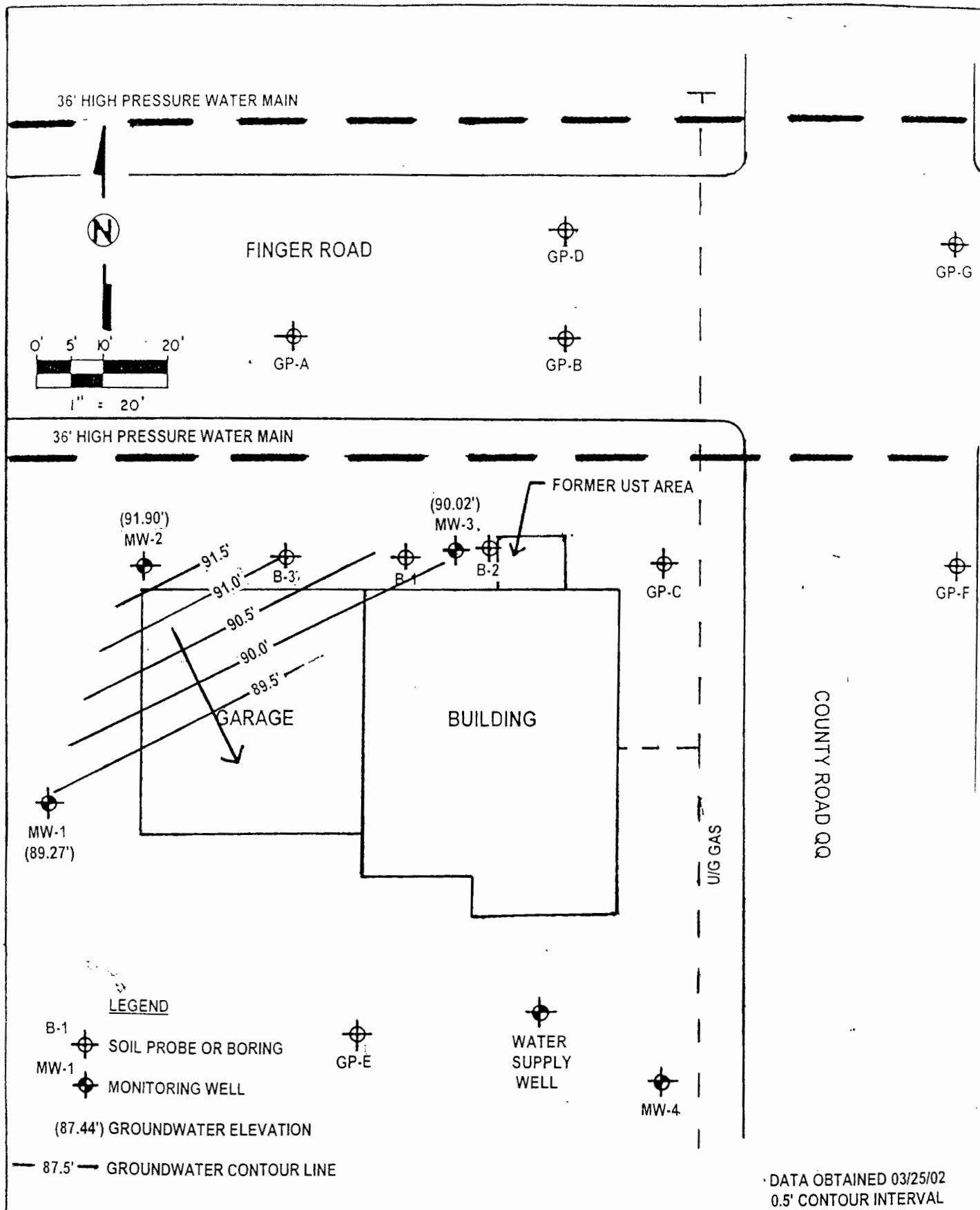
<u>Well #</u>	<u>Top Of Screen Elevation</u>	<u>Top Of Casing Elevation</u>	<u>Depth To Groundwater</u>	<u>Groundwater Elevation</u>
MW-1	91.1'	98.24'	9.59'	88.65'
MW-2	90.2'	94.84'	3.54'	91.30'
MW-3	90.3'	94.74'	5.33'	89.41'

Groundwater Elevations Obtained 02/05/02

<u>Well #</u>	<u>Top Of Screen Elevation</u>	<u>Top Of Casing Elevation</u>	<u>Depth To Groundwater</u>	<u>Groundwater Elevation</u>
MW-1	91.1'	98.24'	10.19'	88.05'
MW-2	90.2'	94.84'	4.56'	90.28'
MW-3	90.3'	94.74'	4.97'	89.77'

TABLE II
Groundwater Elevation Data

Date	PVC Elevation	Depth to Groundwater	Groundwater Elevation
MW-3			
03/25/02	94.74	4.72	90.02
06/12/02	94.74	1.17	93.57
10/17/02	94.74	2.11	92.63
02/26/03	94.74	5.53	89.21
06/20/03	94.74	3.81	90.93
09/23/03	94.74	2.07	92.67
01/16/04	94.74	3.73	91.01
04/16/04	94.74	1.45	93.29

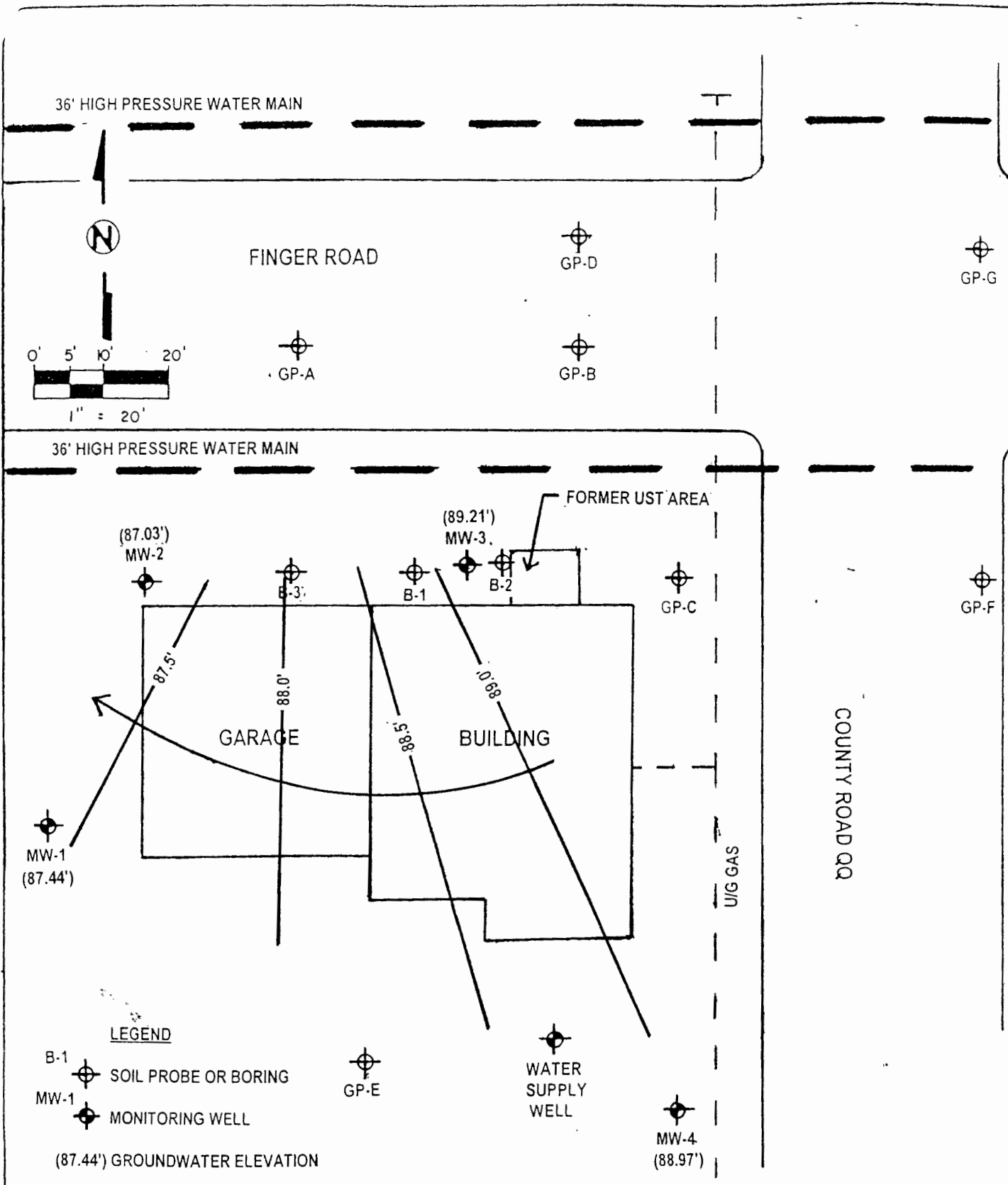


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PROJECT STEIN PROPERTY

3/25/02

FIGURE 5 - GROUNDWATER CONTOUR MAP

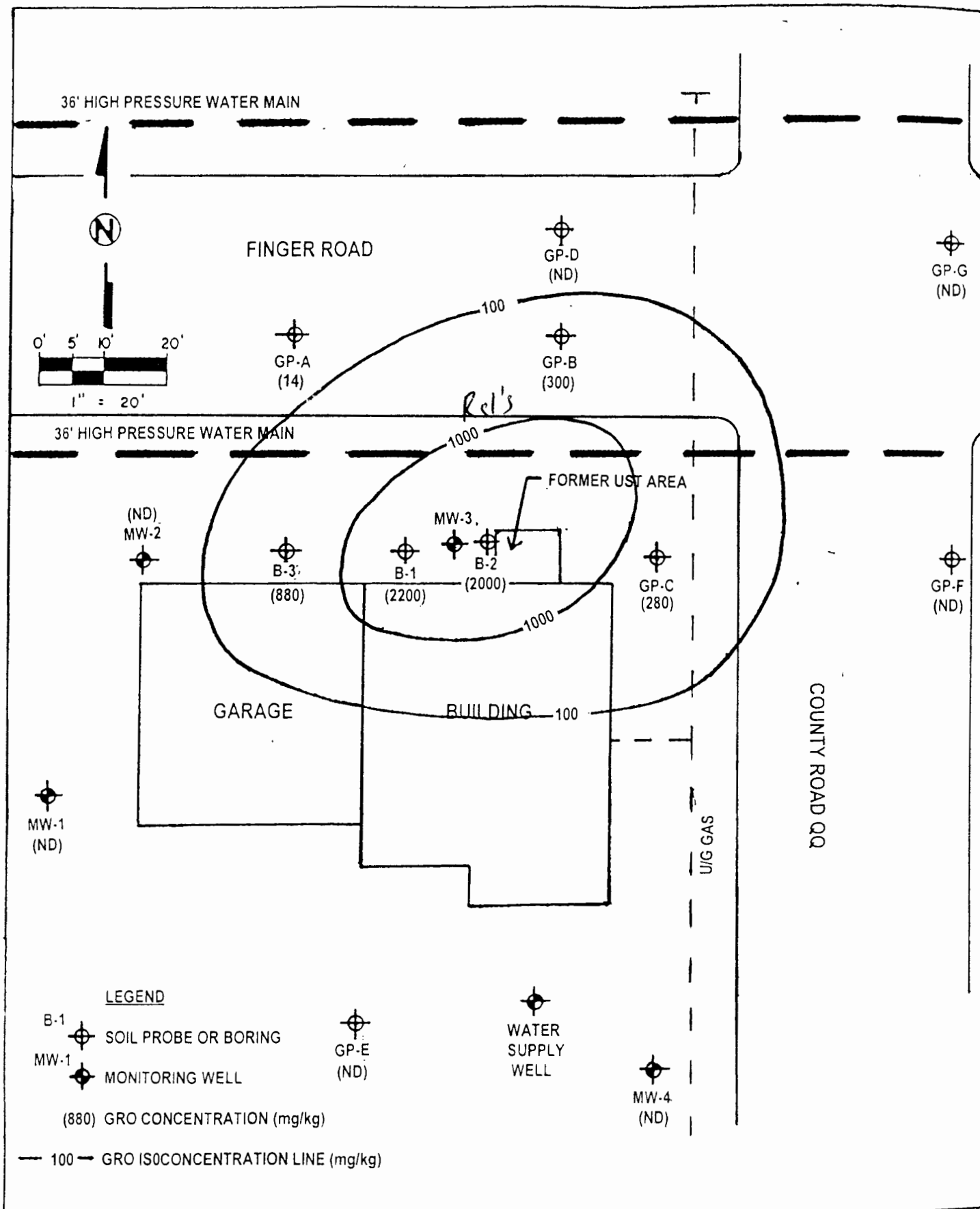


DATA OBTAINED 02/26/03
0.5' CONTOUR INTERVAL

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PROJECT: STEIN PROPERTY. 2/26/03

FIGURE 6 - GROUNDWATER CONTOUR MAP



NRP ENVIRONMENTAL CONSULTANTS, INC.

PROJECT STEIN PROPERTY.

FIGURE 4 - EXTENT OF SOIL CONTAMINATION

June 4, 2003

NRP

Attn: Jeff LaViolette
1140 Ashwaubenon Street
Green Bay, WI 54304

Re: 4090 Finger Road

Dear Jeff:

Enclosed herein is a check in the amount of \$2,885.00 in payment of the two outstanding invoices (40269 and 40569) with your company.

The parcel identification number for the property is HM-133-1. As far the surveyed map, I have checked with Diane from Realty Executives, and they do not have a copy in the file. It is my understanding that you may be able to obtain this information off the Internet. If that is not possible, or if I need to do something further, please advise me.

A copy of the deed is also enclosed.

If you need any additional information, please advise me. Thank you for your assistance in regard to this matter.

Sincerely yours,

A handwritten signature in cursive script that reads "Judy Stein".

Judy Stein
1331 Bellevue Street, Lot 215
Green Bay, WI

May 5, 2004

Mr. William F. Peroutky
4090 Finger Road
Green Bay, WI 54311

RE: Notification of Soil/Groundwater Contamination - J & J Grocery (Judith Stein Property)
BRRS ID # 03-05-284693 - COMMERCE # 54311-9523-90

Dear Mr. Peroutky:

There is groundwater and soil contamination that originated on your property located at 4090 Finger Road. The levels of petroleum contamination in the groundwater on your property are above the state groundwater enforcement standards found in chapter NR 140, Wisconsin Administrative Code. However, the environmental consultants who have investigated this contamination have informed me that this groundwater contaminant plume is stable or receding and will naturally degrade over time. I believe that allowing natural attenuation to complete the cleanup at this site will meet the requirements for case closure that are found in chapter NR 726, Wisconsin Administrative Code, and I will be requesting that the Department of Natural Resources accept natural attenuation as the final remedy for this site and grant case closure. Closure means that the Department will not be requiring any further investigation or cleanup action to be taken, other than the reliance on natural attenuation.

For further information on the requirements of section 292.13, Wisconsin Statutes, you may call 1-800-367-6076 for calls originating in Wisconsin, or 608-264-6020 if you are calling from out of state or within the Madison area, to obtain a copy of the Department of Natural Resources' publication #RR-589, Fact Sheet 10: Guidance for Dealing with Properties Affected by Off-Site Contamination.

The Department of Natural Resources will not review my closure request for at least 30 days after the date of this letter. As an affected property owner, you have a right to contact the Department to provide any technical information that you may have that indicates that closure should not be granted for this site. If you would like to submit any information to the Department of Natural Resources that is relevant to this closure request, you should mail that information to:

Mr. Keld Lauridsen
DNR-Northeast Region
1125 N. Military Avenue
P.O. Box 10448
Green Bay, WI 54307-0448
(920) 492-5921

COPY

If this case is closed, all properties within the site boundaries where groundwater contamination exceeds chapter NR 140 groundwater enforcement standards will be listed on the Department of Natural Resources' geographic information system (GIS) Registry of Closed Remediation Sites. The information on the GIS Registry includes maps showing the location of properties in Wisconsin where groundwater contamination above chapter NR 140 enforcement standards was found at the time that the case closed. This GIS Registry will be available to the general public on the Department of Natural Resources' internet web site. Please review the enclosed legal description of your property, and notify me within the next 30 days if the legal description is incorrect.

Should you or any subsequent property owner wish to construct or reconstruct a well on your property, special well construction standards may be necessary to protect the well from the residual groundwater contamination. Any well driller who proposes to construct a well on your property in the future will first need to call the Diggers Hotline (1-800-242-8511) if your property is located outside of the service area of a municipally owned water system, or contact the Drinking Water program within the Department of Natural Resources if your property is located within the designated service area of a municipally owned water system, to determine if there is a need for special well construction standards.

Once the Department makes a decision on this closure request, it will be documented in a letter. If the Department grants closure, you may obtain a copy of this letter by requesting a copy from me, by writing to the agency address given above or by accessing the DNR GIS Registry of Closed Remediation Sites on the internet at www.dnr.state.wi.us/org/at/et/geo/gwur. A copy of the closure letter is included as part of the site file on the GIS Registry of Closed Remediation Sites.

If you need more information, you may contact the WDNR official listed above.

Sincerely yours,

Judy Stein
1331 Bellevue Street, Lot 215
Green Bay

COPY



NRP

ENVIRONMENTAL CONSULTANTS INCORPORATED

1140 Ashwaubenon Street Green Bay • Wisconsin • 54304 • (920) 339-9212 • Fax: (920) 336-2352

May 5, 2004

Brown County Highway Department
2198 Glendale Avenue
Green Bay, WI 54303

Green Bay Water Utility
631 South Adams St.
Green Bay, WI 54303

RE: Notification of Potential Soil/Groundwater Contamination - J & J Grocery (Judith Stein Property) BRRTS ID # 03-05-284693 - COMMERCE # 54311-9523-90

Dear Sirs/Madame:

Groundwater contamination that appears to have originated on the property located at 4090 Finger Road may have migrated onto your Right-of-Way. The property is located at the southwest corner of the intersection of Finger Road and County HWY QQ. Please see attached maps for detail. If you have any questions, feel free to contact me or the WDNR contact below.

Mr. Keld Lauridsen
DNR-Northeast Region
1125 N. Military Avenue
P.O. Box 10448
Green Bay, WI 54307-0448
(920) 492-5921

COPY

NRP ENVIRONMENTAL CONSULTANTS INC.

Robert C. Herubin, P.G.
Senior Hydrogeologist

cc. Ms. Judy Stein
c/o Ms. Amy Gray
2572 Hillside Lane
Green Bay, WI 54302

Document Number

~~15~~ SPEED RESTRICTION

2201399

CATHY WILLIQUETTE
BROWN COUNTY RECORDER
GREEN BAY, WI

RECORDED ON
07/12/2005 02:18:39PM

REC FEE: 15.00
TRANS FEE:
EXEMPT #
PAGES: 3

Declaration of Restrictions

In Re: A tract of One (1) acre in the Northeast corner of the Northeast Quarter of the Northwest Quarter (NE ¼ of NW ¼), Section Seven (7), Township Twenty-three (23) North, Range Twenty-two (22) East, in the Town of Humboldt, Brown County, Wisconsin, excepting therefrom the Westerly 65 feet, and except parts for highway described in Vol. 332 Deeds, page 306 and Vol. 361 Deeds, page 428, Brown County Records.

[illegible]

WHEREAS, William Peroutky is the owner of the above-described property.

WHEREAS, one or more petroleum discharges have occurred on this property, and as of November 2001 when soil samples were collected on this property, petroleum-contaminated soil remained on this property at the following locations: soil sampling locations B-1, B-2 and B3. Soil contamination above levels identified in ch. NR720 Wis. Adm Code exist in soil sample B-1 with benzene at 3,000 parts per billion (ppb), ethylbenzene at 29,000 ppb, toluene at 38,000 ppb and total xylenes at 160,000 ppb, in soil sample B-2 with ethylbenzene at 18,000 ppb, toluene at 10,000 ppb and total xylenes at 120,000 ppb, in soil sample B-3 ethylbenzene at 9,200 ppb, toluene at 2,800 ppb and total xylenes at 33,300 ppb. Locations of soil samples are provided on Exhibit A (figure 2) and are attached and made part of this restriction. Because contamination levels seen here exist very near the building structures, it is presumed there are contaminated materials at similar concentrations beneath the building structures.

WHEREAS, it is the desire and intention of the property owner to impose on the property restrictions which will make it unnecessary to conduct further soil remediation activities on the property at the present time.

NOW THEREFORE, the owner hereby declares that all of the property described above is held and shall be held, conveyed or encumbered, leased, rented, used, occupied and improved subject to the following limitation and restrictions:

The impervious cap (building and garage) that existed on the above-described property in the location shown on the attached map, labeled Exhibit A on the date that this restriction was signed shall be maintained in compliance with the Cap Maintenance Plan dated July 26, 2004 that was submitted to the Wisconsin Department of Natural Resources by Robert Herubin, P.G., of NRP Environmental Consultants on behalf of William Peroutky as required by section NR 724.13(2), Wis. Adm. Code (1999).

Recording Area

Name and Return Address

William Peroutky
4090 Finger Road
Green Bay, WI

HM-133-1

Parcel Identification Number (PIN)

In addition, the following activities are prohibited on any portion of the above-described property where an impervious cap has been placed or where impervious surfaces exist (see Exhibit A) unless prior written approval has been obtained from the Wisconsin Department of Natural Resources or its successor or assign: (1) Excavating or grading of the land surface; (2) Filling on capped areas and areas with impervious surfaces; (3) Plowing for agricultural cultivation; and (4) Construction or installation of a building or other structure with a foundation that would sit on or be placed within the cap or impervious surface.

This restriction is hereby declared to be a covenant running with the land and shall be fully binding upon all persons acquiring the above-described property whether by descent, devise, purchase or otherwise. This restriction inures to the benefit of and is enforceable by the Wisconsin Department of Natural Resources, its successors or assigns. The Department, its successors or assigns, may initiate proceedings at law or in equity against any person or persons who violate or are proposing to violate this covenant, to prevent the proposed violation or to recover damages for such violation.

Any person who is or becomes owner of the property described above may request that the Wisconsin Department of Natural Resources or its successor issue a determination that one or more of the restrictions set forth in this covenant is no longer required. Upon the receipt of such a request, the Wisconsin Department of Natural Resources shall determine whether or not the restrictions contained herein can be extinguished. If the Department determines that the restrictions can be extinguished, an affidavit, attached to a copy of the Department's written determination, may be recorded by the property owner or other interested party to give notice that this deed restriction, or portions of this deed restriction, are no longer binding.

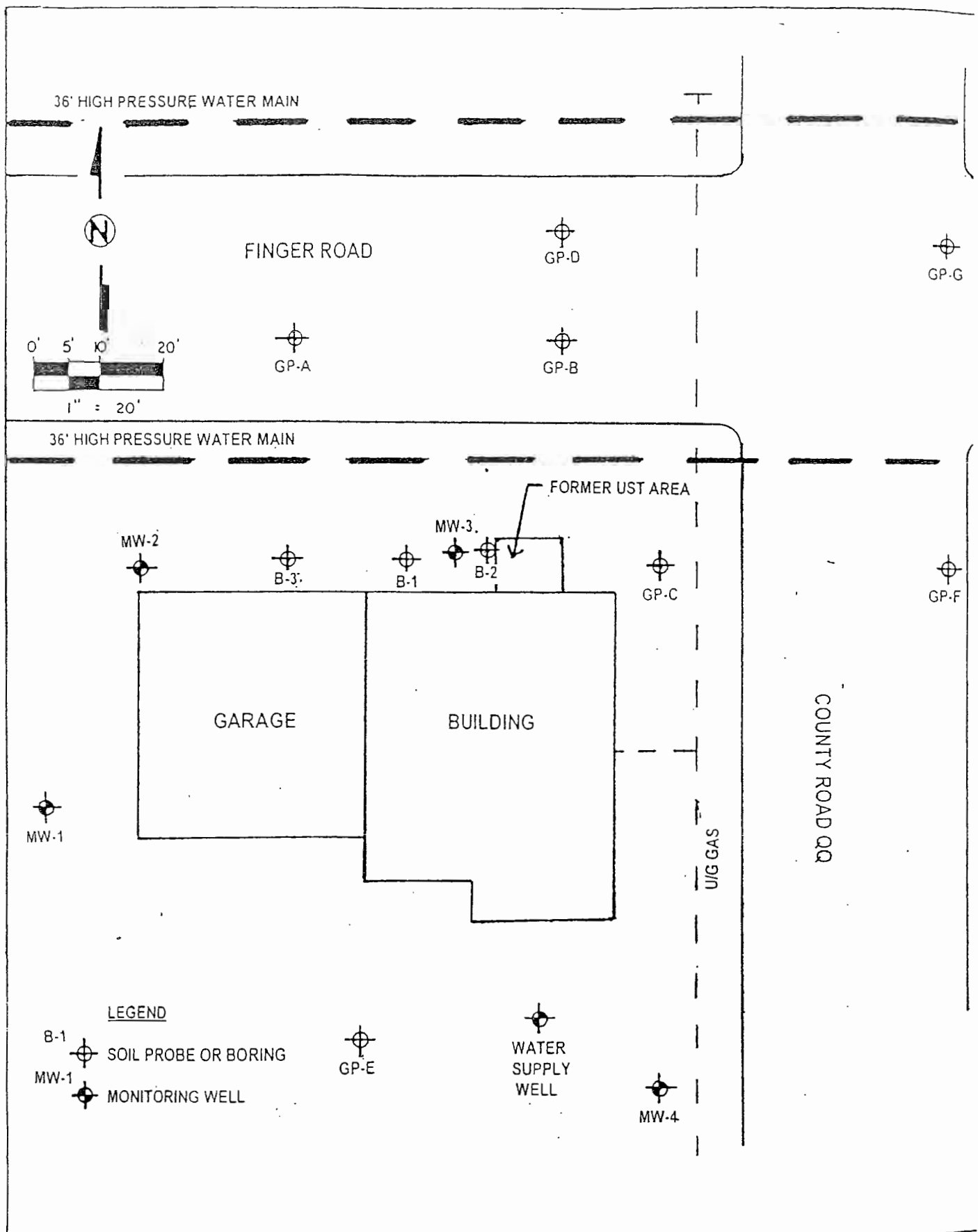
IN WITNESS WHEREOF, the owner of the property has executed this Declaration of Restrictions, this 12 day of July, 2005.

Signature: William Peroutky
Printed Name: William Peroutky

Subscribed and sworn to before me
this 12 day of July, 2005

[Signature]
Notary Public, State of Wisconsin
My commission as per statute

This document was drafted by The Department of Natural Resources based on information obtained by NRP Environmental Consultants.



NRP ENVIRONMENTAL CONSULTANTS, INC.

PROJECT STEIN PROPERTY

FIGURE 2 - SITE DETAIL MAP

CAP MAINTENANCE PLAN

FORMER STEIN PROPERTY
4090 FINGER ROAD
GREEN BAY, WI 54311

WDNR BRRTS #: 03-05-284693

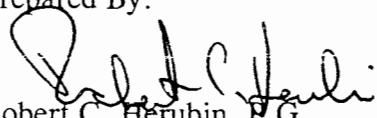
Petroleum contaminated soil was detected at the Stein Property in November 2001. The petroleum contamination is the result of a leaking underground storage tank. Some contamination remains in the soil at the property. As a condition of site closure, the house (cap) must be maintained to minimize contaminant infiltration to the groundwater.

The house will be maintained in order to minimize infiltration into the impacted area, and will be inspected every two years. At a minimum, the inspection will include the foundation and the roof. Any problems and repairs should be noted on the attached inspection form. A copy of the cap maintenance plan and inspection form must be kept on site.

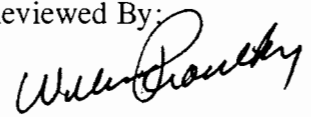
If repairs are performed, a copy of the inspection form should be sent to :

Mr. Keld Lauridsen
Department of Natural Resources
Northeast Region Headquarters
1125 N. Military Ave., P.O. Box 10448
Green Bay, WI 54307-0448

Prepared By:


Robert C. Herubin, P.G.
Hydrogeologist

Reviewed By:



Site Owner/Occupant
Mr. William F. Peroutky
4090 Finger Road
Green Bay, WI 54311

FORMER STEIN PROPERTY
4090 FINGER ROAD
GREEN BAY, WI 54311

[illegible]

Weber, Evan

From: Hodgins, Lisa M. <Lisa.Hodgins@browncountywi.gov>
Sent: Monday, October 25, 2021 3:18 PM
To: Weber, Evan
Subject: FOIA Response for 3731 Finger Rd, 3731 Finger Rd, 3714 E Mason St, 3760 E Mason St

Good afternoon Mr. Weber,

No such responsive record(s) exist in the possession of the keeper of the records for the Brown County Health and Human Services - Public Health Division – Environmental Health Unit.

Thank you for contacting Public Health.

You may also want to county Brown County Zoning & Planning.

Lisa M. Hodgins REHS,CPO,LRA

Public Health Sanitarian III

Pronouns: she/her/hers

Brown County Health & Human Services

Public Health Division

2198 Glendale Ave.

Green Bay, WI 54303

☎ 920-448-6414 or 920-615-1204 (cell)

✉ lisa.hodgins@browncountywi.gov



Public Health
Protect. Promote. Prevent.

Brown County
Health & Human Services

Partnering together to build a stronger, healthier community

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Weber, Evan

From: Joe Gabe <Joe.Gabe@greenbaywi.gov>
Sent: Monday, October 25, 2021 12:21 PM
To: Weber, Evan
Subject: RE: Phase I ESA - City of Green Bay Parcels

Evan,

I checked our old paper files and did not find any record of tanks at the properties you have listed below. I also do not have any computer response records for those addresses. You are right those lots have been farm field in the 20 plus years I have worked for the department.

Thanks,

Captain Joe Gabe IAAI-CFI

Fire Marshal's Office
Green Bay Metro Fire Department
Green Bay, WI 54301
Phone-920-448-3289
joe.gabe@greenbaywi.gov



From: Weber, Evan [mailto:Evan.Weber@stantec.com]
Sent: Monday, October 25, 2021 8:26 AM
To: Joe Gabe <Joe.Gabe@greenbaywi.gov>
Subject: Phase I ESA - City of Green Bay Parcels

Good morning Joe,

I am conducting a Phase I ESA on the four parcels listed in the table below in the City of Green Bay and was hoping you might be able to dig up some files for me. Specifically, I am looking for any information pertaining to hazardous substance or petroleum UST/AST registrations, releases, environmental emergency responses, violations, etc. Any information you can provide is appreciated but it is understood if there is none as three of the parcels are undeveloped agricultural fields. If there are no records in your possession could you simply state that in an email so I can document that I received a response from your department?

Designation	Address	Tax Key #	Owner	Size (acres)	Zoning
Parcel 1	3731 Finger Road	21-22	City of Green Bay	23.01	Low Density Residential

Parcel 2	3731 Finger Road	21-24	City of Green Bay	17.65	Low Density Residential
Parcel 3	3714 East Mason Street	21-189	City of Green Bay	4.12	Low Density Residential
Parcel 4	3760 East Mason Street	21-189-1	City of Green Bay	3.10	Low Density Residential

Please let me know if you have any questions as I would be happy to answer.

Have a great day!

Evan J. Weber

Environmental Scientist

Direct: 920 592-8400 ext 3218

Mobile: 920 309-2509

evan.weber@stantec.com

Stantec

1165 Scheuring Road

De Pere WI 54115-1001



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Please consider the environment before printing this email.

Appendix G INTERVIEW FORMS

Appendix H COMMONLY USED ACRONYMS

Abbreviations

AAI	All Appropriate Inquiry
ACM	Asbestos-containing material
AST	Aboveground Storage Tank
ASTM	American Society for Testing and Materials
BER	Business Environmental Risk
CAA	Clean Air Act
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CFR	Code of Federal Regulation
CREC	Controlled Recognized Environmental Conditions
CWA	Clean Water Act
ELUC	Environmental Land Use Control
EP	Environmental Professional
EPA	Environmental Protection Agency
ESA	Environmental Site Assessment
FEMA	Federal Emergency Management Agency
ft amsl	Feet above mean sea level
GIS	Geographic Information Systems
HREC	Historical Recognized Environmental Conditions
HWMU	Hazardous Waste Management Unit
LBP	Lead-based paint
LUST	Leaking Underground Storage Tank
NESHAP	National Emissions Standard for Hazardous Air Pollutants
PAHs	Polynuclear Aromatic Hydrocarbons
PCBs	Polychlorinated Biphenyls
PCE	Tetrachloroethene
RCRA	Resource Conservation and Recovery Act
REC	Recognized Environmental Conditions

SWMU	Solid Waste Management Unit
TCE	Trichloroethene
TSCA	Toxic Substance Control Act
USDA	United States Department of Agriculture
USGS	United States Geological Survey
UST	Underground Storage Tank
VEC	Vapor Encroachment Condition
VOCs	Volatile Organic Compounds

Phase II Environmental Site Assessment

**East Mason Street and Finger Road Parcels
Parcels 21-189, 21-189-1, 21-22, & 21-24
Green Bay, Wisconsin**



February 24, 2022
Stantec Project No.: 193708667



This document entitled "Phase II Environmental Site Assessment, East Mason Street and Finger Road Parcels, Green Bay, Wisconsin" was prepared by Stantec Consulting Services Inc. ("Stantec") for the account of the City of Green Bay (the "Client"). Any reliance on this document by any third party is strictly prohibited. The material in it reflects Stantec's professional judgment in light of the scope, schedule and other limitations stated in the document and in the contract between Stantec and the Client. The opinions in the document are based on conditions and information existing at the time the document was published and do not take into account any subsequent changes. In preparing the document, Stantec did not verify information supplied to it by others. Any use which a third party makes of this document is the responsibility of such third party. Such third party agrees that Stantec shall not be responsible for costs or damages of any kind, if any, suffered by it or any other third party as a result of decisions made or actions taken based on this document.

Prepared by _____
(signature)

Tyler Hischke
Staff Geologist

Reviewed by _____
(signature)

Stu Gross, P.G.
Practice Leader

Approved by _____
(signature)

Lynelle P. Caine
Senior Associate/Project Manager

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FIGURES

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Figure 2:	Soil Boring and Temporary Monitoring Well Locations

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Tables 2a-2c:	Soil Analytical Results
Tables 3a & 3b:	Groundwater Analytical Results
Table 4:	Water Level Elevations

APPENDICES

Appendix A: Soil Boring Logs	11 pages
Appendix B: Borehole Abandonment Forms	7 pages
Appendix C: Soil Laboratory Analytical Report.....	66 pages
Appendix D: Groundwater Laboratory Analytical Report	34 pages

1.0 EXECUTIVE SUMMARY

During January 2022, Stantec Consulting Services Inc. (Stantec) completed a Phase II Environmental Site Assessment (ESA) on behalf of the City of Green Bay (the City) for four parcels located at 3731 Finger Road, 3714 East Mason Street, and 3760 East Mason Street, Green Bay, Wisconsin (hereinafter referred to as “the Property” or “the Site”). The Site is situated adjacent to East Mason Street between South Grandview Road and South Northview Road in the City of Green Bay and is currently owned by the City. The purpose of the Phase II ESA was to evaluate if recognized environmental conditions (RECs) identified during Stantec’s November 2021 Phase I ESA have negatively affected soil and groundwater quality on the Property.

During the Phase II ESA, eleven soil borings were advanced at the Site with soil samples collected from each of the boreholes. Four of the boreholes were converted to temporary monitoring wells. Silty clay with minor sand and/or gravel was encountered at the Site up to 16 feet below ground surface (bgs), the maximum depth investigated, with fill material observed in multiple borings to depths of up to four feet bgs. Groundwater was identified between approximately 5.5 to 10.0 feet bgs within temporary wells installed on the Property and generally flows to the northwest.

Laboratory analysis detected multiple Resource Conservation Recovery Act (RCRA) metals and polynuclear aromatic hydrocarbons (PAHs) within shallow soil samples (0 to 4 feet bgs). Of the detections, the reported lead concentration from boring B4 was the only constituent to exceed a Wisconsin Administrative Code (WAC) NR720 residual contaminant level (RCL). No other RCRA metals, PAHs, or volatile organic compounds (VOCs) were detected above or regulatory limits for soil collected from the Property.

Ethylbenzene, p-isopropyl toluene, and xylenes were the only contaminants detected above laboratory limits of detection from groundwater samples collected from the Property. None of the detections exceeded WAC NR140 regulatory limits. In addition, no detections of PAHs or lead were identified in the groundwater samples above NR140 regulatory limits.

Based on the Phase II ESA results, it appears that the elevated lead concentration identified in B4 is limited in extent and likely associated with the presence of fill material observed in this area or potential lead-based paint associated with the former residence. Though the elevated lead concentration exceeds its established groundwater protection RCL, lead was not reported in any other soil sample above the background threshold value. In addition, lead was not reported above the analytical LOD in groundwater grab samples, including the sample collected from TW4 installed at the location of B4, meaning that the identified lead in B4 is not negatively affecting groundwater. Therefore, it does not appear that additional assessment or remedial action activities are warranted.

Chapter 292.11 Wisconsin Statutes requires that anyone who possesses or controls a hazardous substance or who causes the discharge of a hazardous substance notify the WDNR immediately of any discharge. Given that the detected lead concentration in the soil sample from B4 exceeds the WAC NR720 groundwater protection RCL, Stantec recommends that a copy of this report be submitted to the WDNR by the Property owner to maintain compliance with state statutes. Along with this submittal to the WDNR, Stantec is seeking WDNR concurrence with the recommendation for a “No Action Required” (NAR) designation for the Site.

2.0 BACKGROUND INFORMATION

The Property consists of four parcels of land on the east side of Green Bay totaling approximately 47.8 acres on the easternmost portion of the City of Green Bay as summarized below. The general location of the Site is shown on **Figure 1**, and the detailed site layout on **Figure 2**. Information for the parcel is summarized below:

Address	Parcel Number	Owner	Size (acres)	Zoning ¹
3731 Finger Road	21-22	City of Green Bay	23.01	Low Density Residential
3731 Finger Road	21-24	City of Green Bay	17.65	Low Density Residential
3714 East Mason Street	21-189	City of Green Bay	4.12	Low Density Residential
3760 East Mason Street	21-189-1	City of Green Bay	3.10	Low Density Residential

¹ Zoning information obtained from the Green Bay online Geographic Information System (GIS) (Green Bay, 2022)

The Property lies within the southeast ¼ of Section 1 and northeast ¼ of Section 12, Township 23 North, Range 21 East (USGS, 2018). Property parcels are currently undeveloped agricultural or fallow fields with one barn remaining. Historic documents show the Property has been used for residential and agricultural use from as early as the 1930s. Surrounding parcels are also primarily utilized for residential and agricultural use. The location of the Property is illustrated on **Figure 1**. A map illustrating the Property layout and approximate boundaries is provided on **Figure 2**.

During November 2021, Stantec completed a Phase I ESA of the Property (Stantec, 2021) that identified the following RECs:

- The historical presence of an underground storage tank (UST) storing gasoline on the Property with no information regarding releases or environmental assessment at closure;
- The potential presence of undocumented fill or demolition debris used to backfill basements of razed structures; and
- The presence of undocumented fill used to backfill a former pond on the Property.

Stantec also identified the following business environmental risk associated with the Property:

- The potential presence of Asbestos containing material or lead-based paint associated with the barn.

To further evaluate the RECs listed above, Stantec was retained by the City to complete a Phase II ESA at the Property, the results of which are summarized below.

3.0 DESCRIPTION OF INVESTIGATION

3.1 SOIL

Prior to the start of field activities, the drilling subcontractor, Geiss Soil & Samples LLC (Geiss) of Merrill, Wisconsin, contacted Diggers Hotline to mark utility locations within the public rights-of-way adjoining the Property.

On January 14, 2022 Geiss, under the observation of Stantec personnel, advanced eleven soil boreholes (B1 through B11) at the locations shown on **Figure 2**. Geiss advanced the soil borings with a truck mounted Geoprobe® rig using direct-push sampling methods. The borings were extended to a maximum depth of approximately 16 feet bgs. Soil borings B1, B2, B6, B5, and B7 were specifically advanced near former or existing buildings in the most likely locations where the gasoline UST is thought to be or have been located. Remaining borings on the Property were placed to document potential fill used in the locations of the former farm houses, farm buildings during demolition and filling of the former pond at the Site.

Each two-foot soil sampling interval was divided into two aliquots; one used for field screening purposes and one used to supply materials for potential submittal to the laboratory for chemical analysis. The laboratory aliquot for each soil sample was immediately placed into laboratory provided containers, sealed, and placed in a cooler with ice. The other portion of each sample was placed into plastic Ziploc® bags and used to field screen for the presence of VOCs using a photoionization detector (PID) equipped with an 11.7 electronvolt (eV) lamp. All non-disposable soil sampling equipment was washed with a detergent solution and double-rinsed with potable water before and after each soil sample was collected to prevent sample cross-contamination. The PID data for samples collected from each borehole are presented on **Table 1**, as well as included on the geologic logs presented in **Appendix A**.

A minimum of one soil sample was collected from each boring and submitted for laboratory analysis of VOCs, PAHs, RCRA metals, and/or lead.

All soil borings not completed as temporary wells were immediately abandoned upon completion of sampling by filling the boreholes with bentonite. Borehole abandonment forms are included in **Appendix B**.

3.2 GROUNDWATER

On January 14, 2022, Geiss constructed four temporary groundwater monitoring wells in soil borings SB1, SB2, SB3, and SB4 (designated TW1, TW2, TW3, and TW4, respectively) to allow for the collection of groundwater “grab” samples at these locations. The temporary wells were constructed using one-inch inner diameter (ID), schedule 40 polyvinyl chloride (PVC) casing with ten-foot lengths of factory-slotted PVC screen (0.010-inch slot) that were positioned to intersect the water table. After installation was complete, each temporary well was developed using a disposable polyethylene bailer by purging approximately three well volumes, or until the water removed was clear of sediment. The temporary well locations are shown on **Figure 2**.

On January 27, 2022, Stantec personnel collected groundwater samples from TW1, TW2, TW3, and TW4. As part of the groundwater sample collection process, observations were specifically made for the presence of unusual odors, oil droplets, or a petroleum sheen, which could indicate the presence on the water table of a floating layer of Light Non-Aqueous Phase Liquids (LNAPLs). No evidence of unusual odors or LNAPL were observed by Stantec personnel in any of the temporary wells installed on the Site.

Groundwater samples were collected using disposable polyethylene bailers and poured directly into pre-cleaned sample bottles provided by Test America’s (TA) Chicago, Illinois area laboratory. The bottles were prepared with pre-measured chemical preservatives by the analytical laboratory (i.e., hydrochloric acid for VOC samples). Samples submitted for inorganic analyses were field filtered prior to preservation.

The sample bottles were packed into a cooler with ice immediately after collection and delivered under chain-of-custody procedures to TA for analysis of a combination of the following: VOCs, PAHs, and lead.

4.0 APPLICABLE CLEAN-UP CRITERIA

Procedures for establishing soil clean-up standards applicable to sites in Wisconsin with documented soil contamination are specified in WAC NR720. Significant revisions to WAC NR720 were implemented in 2013, with an effective date of November 1, 2013.

Soil clean-up standards depend in part on current land use and zoning. Based on the current and planned future use of the Property for residential or other non-industrial land uses, the more restrictive non-industrial classification is being used to assess clean-up criteria for the Property.

RCLs are numerical soil clean-up standards that are calculated for a minimum of two exposure pathways – direct contact by humans with exposed soil and leaching of contaminants from soil into groundwater. The clean-up standard is the lower of the RCLs calculated for several exposure pathways. A variety of methods may be used to calculate RCLs, subject to WDNR approval. The approach used for the Site was to use an RCL spreadsheet developed by the WDNR's Remediation and Redevelopment Program staff for use by consultants. The spreadsheet (WDNR, 2018) is updated periodically by WDNR staff and utilizes toxicity information maintained on the U.S. EPA Regional Screening Level website: <https://www.epa.gov/risk/regional-screening-levels-rsls>. As toxicity data are updated periodically for different types of contaminants, the WDNR RCL spreadsheet is similarly updated. The version used to determine RCLs for this Site is the December 2018 update. Applicable RCL concentrations are summarized in **Tables 2a, 2b, and 2c**.

As part of the revisions to WAC NR720, the WDNR adopted use of Background Threshold Values (BTVs) for select metals in soil whose occurrence may be attributable in whole or in part to natural occurrence in Wisconsin soil. BTVs are "non-outlier trace element maximum levels in Wisconsin surface soils" as determined through a state-wide study (Stensvold, 2012). BTVs were established for 16 metals including aluminum, arsenic, barium, cadmium, calcium, chromium, cobalt, copper, iron, lead, magnesium, manganese, nickel, strontium, vanadium, and zinc. Probably the most significant BTV is the value of 8.0 milligrams per kilogram (mg/kg) established for arsenic. This value is significant because the RCLs calculated for the direct contact and groundwater pathways are significantly lower than this value, which in the past resulted in sites with relatively low levels of naturally occurring arsenic significantly exceeding the clean-up levels. If measured levels of arsenic or the 15 other metals for which BTVs have been established are below the BTVs, these levels can be attributed to natural occurrence without the need to perform a WDNR-approved site-specific study to determine background levels.

For samples with detections below standards, the hazard quotient, cancer risk, and risk result are calculated for each sample using the WDNR's RCL calculation spreadsheet. For an individual sample to pass, all the following three criteria must be met: (a) the number of constituents for which there are individual exceedances must equal "0;" (b) the hazard quotient must be ≤ 1.0 ; (c) the cumulative cancer risk must be $\leq 1.0E-06$. Criteria for which the individual samples fail, the spreadsheet notes that, "This site sampling location will need either further clean-up to lower contaminant levels or the construction of a cap/cover to address the direct-contact pathway."

Public health-related groundwater quality standards are set forth by WAC NR140. Standards are listed for substances of public health concern (defined as substances having carcinogenic, mutagenic, or teratogenic properties or interactive effects) and substances of public welfare concern (defined as having a negative aesthetic value, but with little threat to human health). Two levels of standards are listed: the preventive action limit (PAL) and the enforcement standard (ES). The ES represents a concentration above which action generally must be taken to improve the quality of groundwater. The PAL represents a lower concentration (usually 10 to 20 percent of the ES) above which groundwater quality should be monitored.

5.0 RESULTS OF INVESTIGATION

5.1 SUBSURFACE CONDITIONS

Subsurface strata encountered at the Site generally consists of silty clay with minor sand and/or gravel up to 16 feet bgs, the maximum depth investigated. Fill material, consisting of gravel, woody debris and concrete were encountered in borings B4, B5, and B8 sporadically to depths of up to four feet bgs. The fill materials appeared to be isolated to the location of the former farmhouse and pond locations. Groundwater was encountered between 5.5 to 10.0 feet bgs in temporary wells installed on the Property, and generally flows in a northwesterly direction. Measured groundwater elevation data is provided in **Table 4**. No evidence of the gasoline UST identified during the Phase I ESA was observed during subsurface investigation at the Site.

5.2 FIELD SCREENING RESULTS

Field screening of the soil samples detected generally low PID readings ranging from less than 1 to 4.9 instrument units (IU) in the boreholes sampled. No unusual odors were noted within any samples collected from the Property. The results of the PID screening are presented on **Table 1** and included in the soil boring logs presented in **Appendix A**.

5.3 SOIL SAMPLING LABORATORY ANALYTICAL RESULTS

Soil laboratory analytical reports and chain-of-custody forms are presented in **Appendix C**. Soil laboratory results are summarized in **Tables 2a, 2b, and 2c** and are discussed below.

RCRA Metals – Lead was detected above the established WAC NR720 groundwater protection RCL in sample B4 (2-4) situated within the footprint of the former farmhouse. No other RCRA metals were reported to exceed established direct contact or groundwater protection RCLs or BTVs.

PAHs – No PAHs were detected above established WDNR RCLs in any of the samples collected from the Property.

VOCs – No VOCs were detected above established WDNR RCLs in any of the samples collected from the Property.

5.4 GROUNDWATER ANALYTICAL RESULTS

Groundwater laboratory analytical reports and chain-of-custody forms are presented in **Appendix D**. Groundwater laboratory results are summarized in **Tables 3a and 3b** and are discussed below.

Lead – Lead was not reported above the analytical limit of detection (LOD) in any of the groundwater samples collected from the Property.

PAHs – No PAHs were reported above the analytical LOD in any of the groundwater samples collected from the Property.

VOCs – Ethylbenzene, p-isopropyl toluene, and/or xylenes were detected in samples collected from TW1, TW3, and TW4 above the analytical LOD. However, none of the reported concentrations exceeded the WAC NR140 PAL for those compounds. No other VOCs were reported at concentrations above the analytical LOD.

6.0 CONCLUSIONS AND RECOMMENDATIONS

During the Phase II ESA, eleven soil borings were advanced at the Site with soil samples collected from each of the boreholes. Four of the boreholes were converted to temporary monitoring wells. Silty clay with minor sand and/or gravel was encountered in the borings to depths of up to 16 feet bgs, the maximum depth investigated. Fill consisting of gravel, concrete, and/or woody debris was observed in borings B4, B5, and B8 in the locations of a former farmhouse and pond. Fill in these locations was identified up to four feet bgs. Groundwater was encountered between 5.5 to 10.0 feet bgs in temporary wells installed on the Property, and generally flows in a northwesterly direction. No evidence of a gasoline UST, identified as formerly being present on Site as part of the Phase I ESA, was noted during completion of the Phase II ESA.

Multiple RCRA metals and PAHs were reported at concentration above the analytical LOD in shallow soil samples (0 to 4 feet bgs) collected from the Site. However, the reported lead concentration in the sample from boring B4 was the only constituent to exceed its respective WAC NR720 RCL for groundwater protection. No other RCRA metals, PAHs, or VOCs were reported in any other sample at concentrations that exceeded an established regulatory standard with most being less than the analytical LOD.

Ethylbenzene (TW1), p-isopropyl toluene (TW4), and xylenes (TW1) were the only contaminants detected above the analytical LOD from groundwater samples collected from the Property. None of these reported concentrations exceed established WAC NR140 regulatory standards. Furthermore, lead and PAHs were not detected in the groundwater samples.

Based on the Phase II ESA results, it appears that the elevated lead concentration identified in B4 is limited in extent and likely associated with the presence of fill material observed in this area or potential lead-based paint associated with the former residence. Though the elevated lead concentration exceeds its established groundwater protection RCL, lead was not reported in any other soil sample above the background threshold value. In addition, lead was not reported above the analytical LOD in groundwater grab samples, including the sample collected from TW4 installed at the location of B4, meaning that the identified lead in B4 is not negatively affecting groundwater. Therefore, it does not appear that additional assessment or remedial action activities are warranted.

Chapter 292.11 Wisconsin Statutes requires that anyone who possesses or controls a hazardous substance or who causes the discharge of a hazardous substance notify the WDNR immediately of any discharge. Given that the detected lead concentration in the soil sample from B4 exceeds the WAC NR720 groundwater protection RCL, Stantec recommends that a copy of this report be submitted to the WDNR by the Property owner to maintain compliance with state statutes. Along with this submittal to the WDNR, Stantec is seeking WDNR concurrence with the recommendation for a NAR designation for the Site.

7.0 DISCLAIMER AND LIMITATIONS

The Phase II ESA was performed in accordance with generally accepted practices of the profession for performing similar studies at the same time and in the same geographical area. Stantec observed that degree of care and skill generally exercised by the profession under similar circumstances and conditions. No other warranty is expressed or implied.

Stantec observations, findings, and opinions must not be considered as scientific certainties, but only an opinion based on our professional judgment concerning the significance of the data gathered during the investigation. Specifically, Stantec does not and cannot represent that the Site contains no hazardous or toxic materials or other latent condition beyond that observed by Stantec.

Stantec does not warrant that this submittal represents an exhaustive study of all possible environmental concerns at the project area. The items investigated as part of this study represent likely sources of environmental concerns at the project area and are consequently believed to adequately address the public at risk now.

8.0 REFERENCES

Stantec Consulting Services Inc., "Phase I Environmental Site Assessment: East Mason / Finger Road Parcels, Green Bay, Wisconsin" November 2021.

Stensvold, K.A., "Distribution and variation of Arsenic in Wisconsin surface soils, with data on other trace elements" - U.S. Geological Survey Scientific Investigations Report 2011-5202, 2012.

USGS, Green Bay East and Bellevue, Wisconsin 7.5 Minute Quadrangle Topographic Map, 2018.

WDNR, "Soil Cleanup Standards," Chapter NR720 Wisconsin Administrative Code, November 2013.

WDNR, "RR Program's RCL Spreadsheet Update", DNR-RR-052c, December 2018.

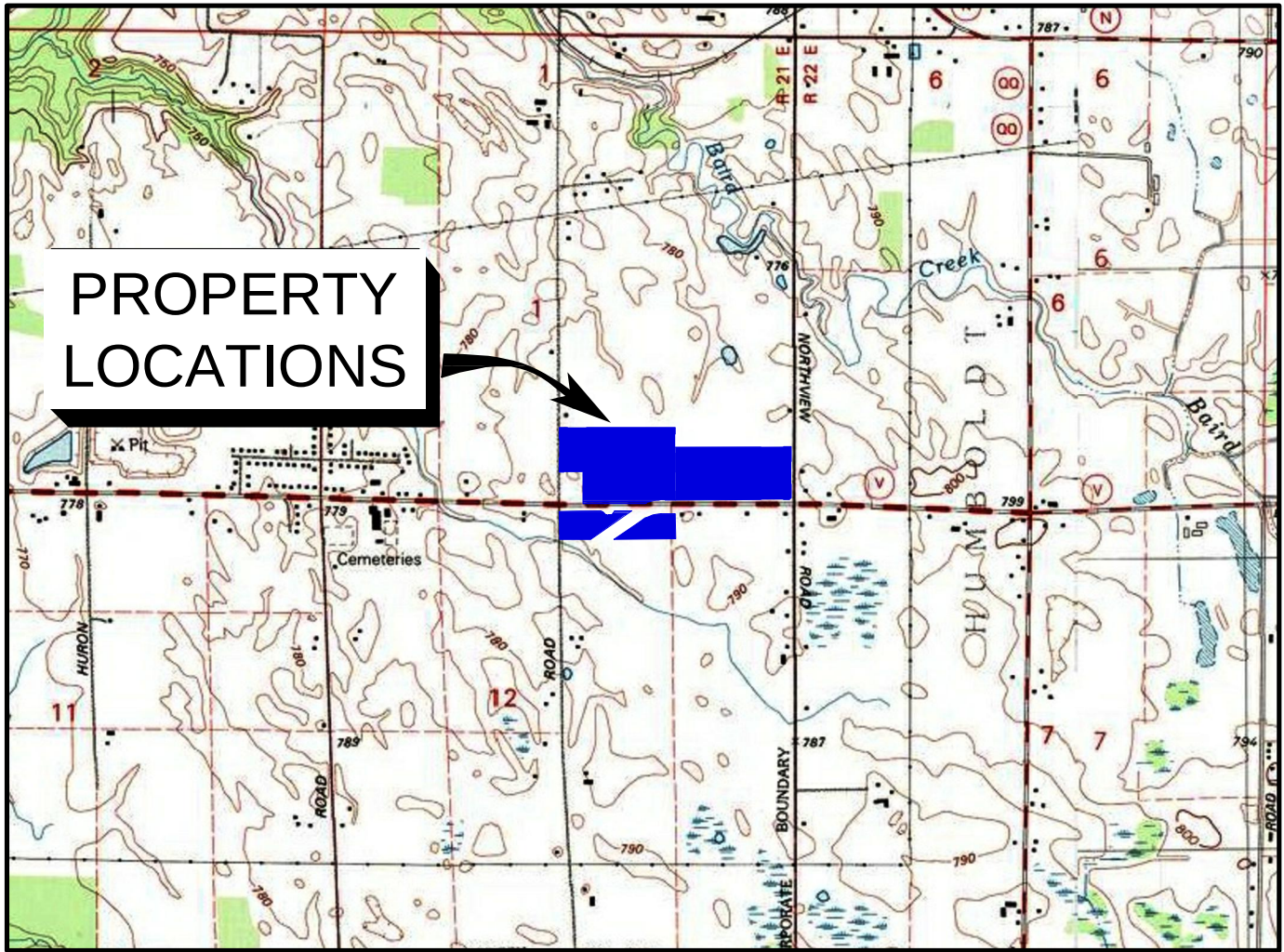


PHASE II ENVIRONMENTAL SITE ASSESSMENT

East Mason Street and Finger Road Parcels, Parcels 21-189, 21-189-1, 21-22, & 21-24, Green Bay, Wisconsin

February 24, 2022

FIGURES



SCALE IN FEET

1" = 2000'



CONTOUR INTERVAL 10 FEET

NATIONAL GEODETIC VERTICAL DATUM OF 1929



QUADRANGLE LOCATION

BASE MAP SOURCE: USGS 7.5 MINUTE QUADRANGLE, BELLEVUE, WISCONSIN, 1992 (NATIONAL GEOGRAPHIC HOLDINGS, INC.)



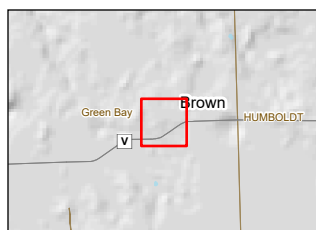
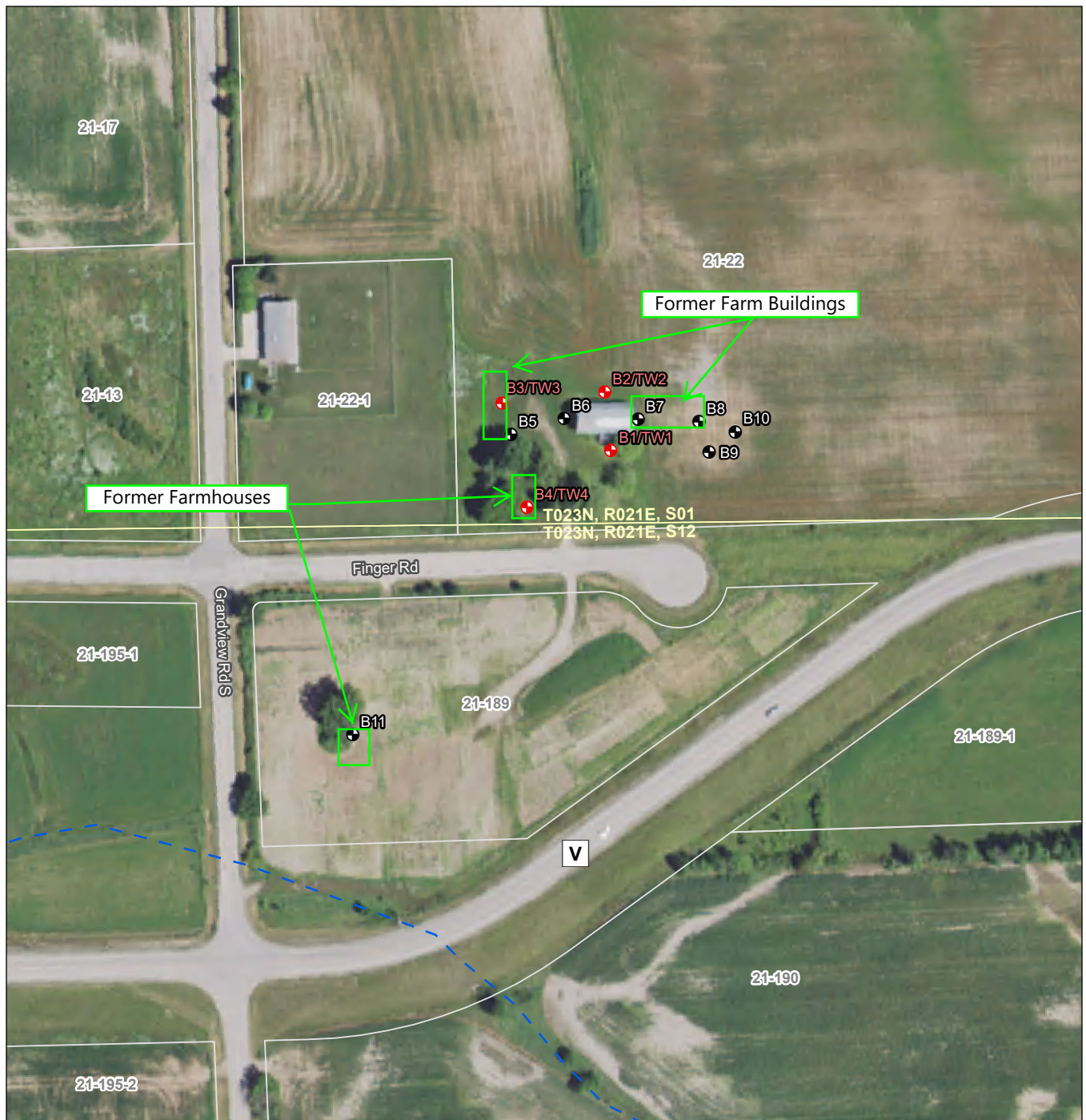
1165 Scheuring Road, De Pere, Wisconsin 54115
Phone: 920-592-8400 Fax: 920-592-84844

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PROPERTY LOCATION & LOCAL TOPOGRAPHY

CITY OF GREEN BAY
EAST MASON STREET/ FINGER ROAD PARCELS
GREEN BAY, WISCONSIN

DATE: 10/13/21	DRAWN BY: JRB	PROJECT MANAGER: LPC	PROJECT NUMBER: 193708667	FIGURE 1
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- Legend**
- Bore
 - ⊕ Bore & Temporary Well
 - ▭ Parcel Boundary
 - DNR 24k Hydrography
 - Perennial Stream*
 - - - Intermittent Stream
 - Waterbody*

0 100 200 Feet
(At original document size of 8.5x11)
1:2,400



Project Location
T23N, R21E, S01 & S12
C. of Green Bay, Brown Co., WI

Prepared by JM on 2022-02-14
TR by SF on 2022-02-14
IR by EW on 2022-02-15

Client/Project
City of Green Bay
East Mason/Finger Phase I ESA

193708667

Figure No.
2

Title
**Soil Boring & Temporary
Monitoring Well Locations**

Page 1 of 1

*No Features Within Data Frame

Notes

1. Coordinate System: NAD 1983 StatePlane Wisconsin Central FIPS 4802 Feet
2. Data Sources: Stantec, WisDOT, WDNR, SCO
3. Background: 2020 NAIP

Disclaimer: This document has been prepared based on information provided by others as cited in the Notes section. Stantec has not verified the accuracy and/or completeness of this information and shall not be responsible for any errors or omissions which may be incorporated herein as a result. Stantec assumes no responsibility for data supplied in electronic format, and the recipient accepts full responsibility for verifying the accuracy and completeness of the data.

TABLES

Table 1 - Soil Field Screening Results, East Mason Street & Finger Road Parcels, Green Bay, Wisconsin

Boring Number	Sample Number	Sample Depth (fbg)	Sample Odor	Sample Description	Date Collected	PID Headspace Analysis		
						Time Collected	Time Analyzed	PID Response (IUI)
B1	*B1 (0-2)	0-2	None	Topsoil/Silty Clay	1/14/2022	0925	0940	0.3
	B1 (2-4)	2-4	None	Silty Clay	1/14/2022	0925	0940	0.2
	B1 (4-6)	4-6	None	Silty Clay w/ Fine Sand	1/14/2022	0930	0945	0.7
	B1 (6-8)	6-8	None	Silty Clay	1/14/2022	0930	0945	0.3
	B1 (8-10)	8-10	None	Silty Clay w/ Trace Gravel	1/14/2022	0935	0950	0.3
	B1 (10-12)	10-12	None	Silty Clay	1/14/2022	0935	0950	0.2
	B1 (12-14)	12-14	None	Silty Clay	1/14/2022	0940	0955	0.3
B2	B1 (14-16)	14-16	None	Silty Clay	1/14/2022	0940	0955	0.3
	*B2 (0-2)	0-2	None	Topsoil/Silty Clay	1/14/2022	0957	1015	0.3
	B2 (2-4)	2-4	None	Silty Clay	1/14/2022	0957	1015	0.2
	B2 (4-6)	4-6	None	Silty Clay w/ Trace Gravel	1/14/2022	1000	1015	0.3
	B2 (6-8)	6-8	None	Silty Clay	1/14/2022	1000	1015	0.1
	B2 (8-10)	8-10	None	Silty Clay	1/14/2022	1005	1020	0.5
	B2 (10-12)	10-12	None	Silty Clay	1/14/2022	1005	1020	0.6
B3	B2 (12-14)	12-14	None	Silty Clay	1/14/2022	1010	1025	0.3
	B2 (14-16)	14-16	None	Silty Clay	1/14/2022	1010	1025	0.3
	B3 (0-2)	0-2	None	Topsoil/Fine Sand	1/14/2022	1020	1035	0.4
	*B3 (2-4)	2-4	None	Fine Sand	1/14/2022	1020	1035	0.4
	B3 (4-6)	4-6	None	Silty Clay	1/14/2022	1025	1040	0.3
	B3 (6-8)	6-8	None	Silty Clay	1/14/2022	1025	1040	0.2
	B3 (8-10)	8-10	None	Silty Clay	1/14/2022	1040	1055	0.3
B4	B3 (10-12)	10-12	None	Silty Clay	1/14/2022	1040	1055	0.7
	B3 (12-14)	12-14	None	Silty Clay	1/14/2022	1045	1100	0.4
	B3 (14-16)	14-16	None	Silty Clay	1/14/2022	1045	1100	0.3
	B4 (0-2)	0-2	None	Topsoil/Silty Clay	1/14/2022	1050	1105	0.43
	*B4 (2-4)	2-4	None	Silty Clay w/ Woody Organic Debris	1/14/2022	1050	1105	4.9
	B4 (4-6)	4-6	None	Silty Clay	1/14/2022	1055	1110	0.87
	B4 (6-8)	6-8	None	Silty Clay	1/14/2022	1055	1110	0.38
B5	B4 (8-10)	8-10	None	Silty Clay	1/14/2022	1100	1115	0.31
	B4 (10-12)	10-12	None	Sandy Clay	1/14/2022	1100	1115	0.86
	B4 (12-14)	12-14	None	Silty Clay	1/14/2022	1105	1120	0.39
	B4 (14-16)	14-16	None	Silty Clay	1/14/2022	1105	1120	0.31
	*B5 (0-2)	0-2	None	Topsoil/Silty Clay	1/14/2022	1120	1135	0.61
	B5 (2-4)	2-4	None	Silty Clay w/ Woody Organic Debris	1/14/2022	1120	1135	0.34
	B5 (4-6)	4-6	None	Silty Clay	1/14/2022	1125	1140	1.1
B6	B5 (6-8)	6-8	None	Silty Clay	1/14/2022	1125	1140	1.2
	B5 (8-10)	8-10	None	Silty Clay	1/14/2022	1130	1145	0.77
	B5 (10-12)	10-12	None	Silty Clay	1/14/2022	1130	1145	0.95
	B6 (0-2)	0-2	None	Sandy Topsoil	1/14/2022	1130	1145	0.44
	*B6 (2-4)	2-4	None	Sandy Clay w/ Gravel	1/14/2022	1130	1145	0.79
	B6 (4-6)	4-6	None	Silty Clay w/ Sand	1/14/2022	1135	1150	0.45
	B6 (6-8)	6-8	None	Silty Clay	1/14/2022	1135	1150	0.59
B7	B6 (8-10)	8-10	None	Coarse Sand	1/14/2022	1140	1155	0.53
	B6 (10-12)	10-12	None	Silty Clay	1/14/2022	1140	1155	0.49
	B7 (0-2)	0-2	None	Topsoil/Silty Clay	1/14/2022	1145	1200	0.31
	*B7 (2-4)	2-4	None	Silty Clay	1/14/2022	1145	1200	0.34
	B7 (4-6)	4-6	None	Silty Clay w/ Gravel	1/14/2022	1150	1205	0.46
	B7 (6-8)	6-8	None	Silty Clay	1/14/2022	1150	1205	0.29
	B7 (8-10)	8-10	None	Silty Clay	1/14/2022	1155	1210	0.58
B8	B7 (10-12)	10-12	None	Silty Clay w/ Sand	1/14/2022	1155	1210	0.89
	B7 (12-14)	12-14	None	Silty Clay	1/14/2022	1200	1215	0.60
	B7 (14-16)	14-16	None	Silty Clay	1/14/2022	1200	1215	0.58
	B8 (0-2)	0-2	None	Topsoil/Sandy Clay	1/14/2022	1215	1230	0.64
	*B8 (2-4)	2-4	None	Sandy Fill w/ Concrete Debris	1/14/2022	1215	1230	1.1
	B8 (4-6)	4-6	None	Silty Clay	1/14/2022	1220	1235	1.3
	B8 (6-8)	6-8	None	Silty Clay	1/14/2022	1220	1235	1.6
B9	B8 (8-10)	8-10	None	Silty Clay	1/14/2022	1225	1240	1.6
	B8 (10-12)	10-12	None	Silty Clay	1/14/2022	1225	1240	0.88
	B9 (0-2)	0-2	None	Topsoil/Sandy Clay	1/14/2022	1225	1240	0.37
	*B9 (2-4)	2-4	None	Silty Clay	1/14/2022	1225	1240	0.21
	B9 (4-6)	4-6	None	Silty Clay w/ Gravel	1/14/2022	1230	1245	0.32
	B9 (6-8)	6-8	None	Silty Clay	1/14/2022	1230	1245	0.28
	B9 (8-10)	8-10	None	Silty Clay	1/14/2022	1235	1250	0.62
B10	B9 (10-12)	10-12	None	Silty Clay	1/14/2022	1235	1250	0.40
	B10 (0-2)	0-2	None	Sandy Clay	1/14/2022	1230	1245	0.38
	*B10 (2-4)	2-4	None	Sandy Gravel	1/14/2022	1230	1245	0.54
	B10 (4-6)	4-6	None	Sandy Gravel	1/14/2022	1235	1250	0.64
	B10 (6-8)	6-8	None	Sandy Gravel	1/14/2022	1235	1250	0.53
	B10 (8-10)	8-10	None	Silty Clay	1/14/2022	1240	1255	0.59
	B10 (10-12)	10-12	None	Silty Clay	1/14/2022	1240	1255	0.97
B11	B11 (0-2)	0-2	None	Topsoil/Silty Clay	1/14/2022	1300	1315	0.35
	*B11 (2-4)	2-4	None	Silty Clay w/ Gravel	1/14/2022	1300	1315	0.59
	B11 (4-6)	4-6	None	Silty Clay	1/14/2022	1305	1320	0.65
	B11 (6-8)	6-8	None	Silty Clay	1/14/2022	1305	1320	0.78
	B11 (8-10)	8-10	None	Silty Clay	1/14/2022	1310	1325	0.59
	B11 (10-12)	10-12	None	Silty Clay	1/14/2022	1310	1325	0.72

Key:
 PID = Photoionization Detector
 IUI = Instruments units as isobutylene
 * = Submitted for laboratory analysis
 fbg = Feet below ground

Table 2a. Soil Sample RCRA Metals Laboratory Results, East Mason Street & Finger Road Parcels, Green Bay, Wisconsin

Sample					Laboratory Result (mg/kg)							
Boring Number	Sample Number	Depth (fbg)	Soil Description	Date Collected	RCRA Metals							
					Arsenic (total)	Barium	Cadmium	Chromium	Lead (total)	Mercury	Selenium	Silver
WDNR RCL for Protection from Direct Contact Risk				Non-Industrial	8* [0.677]	15,300	71.1	NE	400	3.13	391	391
				Industrial	8* [3.00]	100,000	985	NE	800	3.13	5,840	5,840
WDNR RCL for Protection of Groundwater					8* [0.584]	364* [164.8]	1* [0.752]	360,000	52* [27]	0.208	0.52	0.849
Background Threshold Value (BTV)					8	364	1	44	52	NE	NE	NE
B1	B1 (0-2)	0-2	Topsoil/Silty Clay	1/14/2022	NA	NA	NA	NA	10	NA	NA	NA
B2	B2 (0-2)	0-2	Topsoil/Silty Clay	1/14/2022	NA	NA	NA	NA	42	NA	NA	NA
B3	B3 (2-4)	2-4	Fine Sand	1/14/2022	0.49 J	14	0.15 J B	6.8	1.9	0.012 J	<0.56	0.13 J
B4	B4 (2-4)	2-4	Silty Clay w/ Woody Organic Debris	1/14/2022	2.1	71	0.36 B	21	72	0.11	<0.68	0.38 J
B5	B5 (0-2)	0-2	Topsoil/Silty Clay	1/14/2022	NA	NA	NA	NA	30	NA	NA	NA
B6	B6 (2-4)	2-4	Sandy Clay w/ Gravel	1/14/2022	NA	NA	NA	NA	25	NA	NA	NA
B7	B7 (2-4)	2-4	Silty Clay	1/14/2022	NA	NA	NA	NA	6.9	NA	NA	NA
B8	B8 (2-4)	2-4	Sandy Fill w/ Concrete Debris	1/14/2022	1.5	32	0.18 J B	10	8.0	0.016 J	<0.64	0.26 J
B9	B9 (2-4)	2-4	Silty Clay	1/14/2022	2.0	72	0.26 B	17	7.9	0.014 J	<0.65	0.31 J
B10	B10 (2-4)	2-4	Sandy Gravel	1/14/2022	1.7	50	0.24 J B	13	5.5	0.0097 J	<0.73	0.18 J
B11	B11 (2-4)	2-4	Silty Clay w/ Gravel	1/14/2022	2.9	87	0.096 J B	24	7.2	0.019 J	<0.60	0.51

Key:

RCRA = Resource Conservation and Recovery Act
 NA = not analyzed
 <x = compound not detected to a detection limit of x
 XXX = exceeds WDNR Non-Industrial RCL for direct contact risk
 XXX = exceeds WDNR Industrial RCL for direct contact risk
 XXX = exceeds WDNR RCL for protection of groundwater
 mg/kg = milligram per kilogram
 NE = not established by WAC (Wis. Adm. Code) or WDNR Soil RCL Summary Table
 "J" = analyte detected between the limit of detection and limit of quantification
 "B" = analyte detected in blank and sample
 RCL = residual contaminant level
 fbg = feet below ground

Notes: WDNR soil RCL Summary table (December 2018) used to establish RCLs for groundwater protection and direct contact.
 For the purpose of this evaluation under ch. NR 700, background threshold values are being considered as representative of background conditions.
 However, constituent concentrations less than background threshold values may represent a potential health risk if concentrations are greater than health-based standards.

Table 2b. Soil Sample Polynuclear Aromatic Hydrocarbon Laboratory Results, East Mason Street & Finger Road Parcels, Green Bay, Wisconsin

					PAH Compound Laboratory Result (µg/kg)																	
Boring Number	Sample Number	Depth (fbg)	Soil Description	Date Collected	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenzo(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	1-Methylnaphthalene	2-Methylnaphthalene	Naphthalene	Phenanthrene	Pyrene
WDNR RCL for Protection from Direct Contact Risk				Non-Industrial	3,590,000	NE	17,900,000	1,140	115	1,150	NE	11,500	115,000	115	2,290,000	2,390,000	1,150	17,600	239,000	5,520	NE	1,790,000
				Industrial	45,200,000	NE	100,000,000	20,800	2,110	21,100	NE	211,000	2,110,000	2,110	30,100,000	30,100,000	21,100	72,700	3,010,000	24,100	NE	22,600,000
WDNR RCL for Protection of Groundwater					NE	NE	196,900	NE	470	478	NE	NE	144	NE	88,877	14,829	NE	NE	NE	658	NE	54,545
B1	B1 (0-2)	0-2	Topsoil/Silty Clay	1/14/2022	<6.9	<5.1	<6.4	<5.2	9.1 J	12 J	<12	<11	11 J	<7.4	17 J	<5.4	<10	<9.4	<7.1	<5.9	<5.4	17 J
B2	B2 (0-2)	0-2	Topsoil/Silty Clay	1/14/2022	<7.0	<5.1	<6.5	8.2 J	9.1 J	11 J	<12	<11	<11	<7.5	17 J	<5.4	<10	<9.4	<7.1	<6.0	<5.4	14 J
B3	B3 (2-4)	2-4	Fine Sand	1/14/2022	<6.4	<4.7	<5.9	<4.8	<6.9	<7.7	<11	<10	<9.7	<6.9	<6.6	<5.0	<9.2	<8.7	<6.5	<5.5	<5.0	<7.1
B4	B4 (2-4)	2-4	Silty Clay w/ Woody Organic Debris	1/14/2022	<7.2	<5.3	<6.7	5.5 J	<7.8	<8.6	<13	<12	<11	<7.7	8.5 J	<5.6	<10	<9.8	<7.4	<6.2	<5.6	<8.0
B5	B5 (0-2)	0-2	Topsoil/Silty Clay	1/14/2022	<6.8	14 J	8.7 J	38	42	51	23 J	23 J	44	<7.3	100	<5.3	19 J	<9.3	<7.0	<5.8	76	82
B6	B6 (2-4)	2-4	Sandy Clay w/ Gravel	1/14/2022	<6.6	<4.8	6.4 J	82	82	110	34 J	42	87	13 J	180	<5.2	33 J	<9.0	<6.8	<5.7	28 J	140
B7	B7 (2-4)	2-4	Silty Clay	1/14/2022	<7.0	<5.2	<6.6	<5.3	<7.6	<8.5	<13	<12	<11	<7.6	<7.3	<5.5	<10	<9.6	<7.2	<6.0	<5.5	<7.8
B8	B8 (2-4)	2-4	Sandy Fill w/ Concrete Debris	1/14/2022	<6.2	<4.6	<5.8	11 J	13 J	15 J	<11	<10	12 J	<6.7	21 J	<4.9	<9.0	<8.4	<6.4	<5.3	9.5 J	21 J
B9	B9 (2-4)	2-4	Silty Clay	1/14/2022	<7.0	<5.1	<6.5	17 J	15 J	30 J	<12	14 J	28 J	<7.5	55	<5.4	<10	<9.4	<7.1	<6.0	6.0 J	45
B10	B10 (2-4)	2-4	Sandy Gravel	1/14/2022	<37	<27	<35	<28	<40	<45	<67	<61	<57	<40	<39	<29	<54	<51	<38	<32	<29	<41
B11	B11 (2-4)	2-4	Silty Clay w/ Gravel	1/14/2022	<7.0	<5.1	<6.5	<5.2	<7.5	<8.4	<12	<11	<11	<7.5	<7.2	<5.4	<10	<9.5	<7.1	<6.0	<5.4	<7.7

Key:

- <x

XXX

XXX

XXX
- = compound not detected to a detection limit of x

= exceeds WDNR Non-Industrial RCL for direct contact risk

= exceeds WDNR Industrial RCL for direct contact risk

= exceeds WDNR RCL for protection of groundwater
- µg/kg

NE

"J"

RCL

fbg
- = milligram per kilogram

= not established by WAC (Wis. Adm. Code) or WDNR Soil RCL Summary Table

= analyte detected between the limit of detection and limit of quantification

= residual contaminant level

= feet below ground

Notes: WDNR soil RCL Summary table (December 2018) used to establish RCLs for groundwater protection and direct contact.

Table 2c. Soil Sample Volatile Organic Compound Laboratory Results, East Mason Street & Finger Road Parcels, Green Bay, Wisconsin

Sample																			
Boring Number	Sample Number	Depth (fbg)	Description	PID Response (iui)	Date Collected	1,2,4-Trimethyl benzene	1,3,5-Trimethyl benzene	Benzene	Ethylbenzene	Methyl tert-butyl ether (MTBE)	Methylene chloride	n-Butylbenzene	n-Propylbenzene	Naphthalene	p-Isopropyltoluene	sec-Butylbenzene	Tetrachloroethene (PCE)	Toluene	Total Xylenes
WDNR NR 720 Direct Contact RCL					Non-Industrial	219,000	####	1,600	8,020	63,800	61,800	108,000	NE	5,520	162,000	145,000	33,000	818,000	260,000
					Industrial	219,000	####	7,070	35,400	282,000	1,150,000	108,000	NE	24,100	162,000	145,000	145,000	818,000	260,000
WDNR NR 720 Groundwater Protection RCL						1378.7 combined		5.1	1,570	27	2.6	NE	NE	658.2	NE	NE	4.5	1,107.2	3,960
B1	B1 (0-2)	0-2	Topsoil/Silty Clay	0.3	1/14/2022	<25	<26	<10	<13	<27	<110	<27	<29	<23	<25	<28	<26	<10	<15
B2	B2 (0-2)	0-2	Topsoil/Silty Clay	0.3	1/14/2022	<25	<26	<10	<13	<27	<110	<27	<29	<23	<25	<28	<26	<10	<15
B3	B3 (2-4)	2-4	Fine Sand	0.4	1/14/2022	<21	<23	<8.7	<11	<24	<98	<23	<25	<20	<22	<24	<22	<8.8	<13
B4	B4 (2-4)	2-4	Silty Clay w/ Woody Organic Debris	4.9	1/14/2022	<26	<28	<11	<13	<29	<120	<28	<30	<24	<26	<29	<27	<11	<16
B5	B5 (0-2)	0-2	Topsoil/Silty Clay	0.61	1/14/2022	<25	<27	<10	<13	<28	<110	<27	<29	<23	<25	<28	<26	<10	<15
B6	B6 (2-4)	2-4	Sandy Clay w/ Gravel	0.79	1/14/2022	<22	<24	<9.1	<11	<25	<100	<24	<26	<21	<23	<25	<23	<9.2	<14
B7	B7 (2-4)	2-4	Silty Clay	0.34	1/14/2022	<25	<27	<10	<13	<28	<120	<28	<29	<24	<26	<28	<26	<10	<16
B8	B8 (2-4)	2-4	Sandy Fill w/ Concrete Debris	1.1	1/14/2022	<22	<23	<8.8	<11	<24	<98	<23	<25	<20	<22	<24	<22	<8.8	<13
B9	B9 (2-4)	2-4	Silty Clay	0.21	1/14/2022	<25	<27	<10	<13	<28	<120	<28	<29	<24	<26	<28	<26	<10	<16
B10	B10 (2-4)	2-4	Sandy Gravel	0.54	1/14/2022	<28	<30	<11	<14	<31	<130	<31	<33	<26	<29	<31	<29	<12	<17
B11	B11 (2-4)	2-4	Silty Clay w/ Gravel	0.59	1/14/2022	<25	<26	<10	<13	<27	<110	<27	<29	<23	<25	<28	<26	<10	<15

Key:

- <x = compound not detected to a detection limit of x
- XXX = exceeds WDNR Non-Industrial RCL for direct contact risk
- XXX = exceeds WDNR Industrial RCL for direct contact risk
- XXX = exceeds WDNR RCL for protection of groundwater
- µg/kg = microgram per kilogram
- RCL = residual contaminant level
- fbg = feet below ground

Notes: WDNR soil RCL Summary table (December 2018) used to establish RCLs for groundwater protection and direct contact.

Table 3a. Groundwater Sample Polynuclear Aromatic Hydrocarbon Laboratory Results, East Mason Street & Finger Road Parcels, Green Bay, Wisconsin

Well Number	Date Collected	Polynuclear Aromatic Hydrocarbons (µg/L)																	
		Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenzo(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	1-Methyl naphthalene	2-Methyl naphthalene	Naphthalene	Phenanthrene	Pyrene
NR 140 Preventive Action Limit		NE	NE	600	NE	0.02	0.02	NE	NE	0.02	NE	80	80	NE	NE	NE	10	NE	50
NR 140 Enforcement Standard		NE	NE	3,000	NE	0.2	0.2	NE	NE	0.2	NE	400	400	NE	NE	NE	100	NE	250
TW1	1/27/2022	<0.47	<0.41	<0.51	<0.086	<0.15	<0.12	<0.57	<0.098	<0.10	<0.077	<0.69	<0.37	<0.11	<0.46	<0.099	<0.47	<0.46	<0.65
TW2	1/27/2022	<0.48	<0.42	<0.52	<0.088	<0.15	<0.13	<0.58	<0.10	<0.11	<0.079	<0.71	<0.38	<0.12	<0.47	<0.10	<0.48	<0.47	<0.66
TW4	1/27/2022	<0.27	<0.23	<0.29	<0.049	<0.085	<0.069	<0.32	<0.055	<0.059	<0.044	<0.39	<0.21	<0.064	<0.26	<0.056	<0.27	<0.26	<0.37

Key:

<X	= analyte not detected above method detection limit
"J"	= Analyte detected between Limit of Detection and Limit of Quantitation
µg/L	= micrograms per liter
NE	= not established
X	= Concentration detected above Chapter NR 140, Wisconsin Administrative Code (NR 140, Wis. Adm. Code) preventive action limit (PAL)
X	= Concentration detected above NR 140, Wis. Adm. Code enforcement standard (ES)

Table 3b. Groundwater Sample Lead & Volatile Organic Compound Laboratory Results, East Mason Street & Finger Road Parcels, Green Bay, Wisconsin

Well Number	Date Collected	Metals (µg/L)	Volatile Organic Compounds (µg/L)														
		Lead	Benzene	n-Butylbenzene	Ethylbenzene	p-Isopropyltoluene	Methylene Chloride	MTBE	Napthalene	n-Butylbenzene	N-Propylbenzene	sec-Butylbenzene	Tetrachloroethene (PCE)	Toluene	Total Trimethylbenzene	Vinyl Chloride	Total Xylenes
NR 140 Preventive Action Limit		1.5	0.5	NE	140	NE	0.5	12	10	NE	NE	NE	0.5	160	96	0.02	400
NR 140 Enforcement Standard		15	5	NE	700	NE	5	60	100	NE	NE	NE	5	800	480	0.2	2,000
TW1	1/27/2022	<0.19	<0.15	<0.39	0.94	<0.36	<1.6	<0.39	<0.34	<0.39	<0.41	<0.40	<0.37	<0.15	<0.61	<0.20	1.4
TW2	1/27/2022	<0.19	<0.15	<0.39	<0.18	<0.36	<1.6	<0.39	<0.34	<0.39	<0.41	<0.40	<0.37	<0.15	<0.61	<0.20	<0.22
TW3	1/27/2022	---	<0.15	<0.39	<0.18	<0.36	<1.6	<0.39	<0.34	<0.39	<0.41	<0.40	<0.37	<0.15	<0.61	<0.20	0.87 J
TW4	1/27/2022	<0.19	<0.15	<0.39	0.69	0.98 J	<1.6	<0.39	<0.34	<0.39	<0.41	<0.40	<0.37	<0.15	<0.61	<0.20	<0.22

Key:

"J" = Analyte detected between Limit of Detection and Limit of Quantitation
 µg/L = microgram per liter
 NE = not established
X = Concentration detected above Chapter NR 140, Wisconsin Administrative Code (NR 140, Wis. Adm. Code) preventive action limit (PAL)

X

 = Concentration detected above NR 140, Wis. Adm. Code enforcement standard (ES)
 --- = Not analyzed

Table 4 - Water Level Elevations, East Mason Street & Finger Road Parcels, Green Bay, Wisconsin

Well I.D.	Ground Surface Elevation (site datum)	Reference Point Elevation (site datum)	Top / Bottom Well Screen Elevation (fbg)	Date	Depth to Water (feet)		Water Table Elevation (feet)
					Below Grade	Below Riser	
TW1	99.17	102.23	4-14	1/18/2022	12.05	15.11	87.12
				2/14/2022	5.60	8.66	93.57
TW2	98.99	101.98	4-14	1/18/2022	12.33	15.32	86.66
				2/14/2022	6.85	9.84	92.14
TW3	100.54	102.86	4-14	1/18/2022	13.84	16.16	86.70
				2/14/2022	9.97	12.29	90.57
TW4	99.22	101.74	4-14	1/18/2022	5.09	7.61	94.13
				2/14/2022	5.65	8.17	93.57

Key:

fbg = Feet Below Grade
 --- = Not Collected

APPENDICES

APPENDIX A – SOIL BORING LOGS

BORING LOG



PROJECT NUMBER: 193708667
LOCATION: 3731 Finger Rd, Green Bay, WI

BORING NUMBER: B1/TW1
LOGGED BY: TH

ELEVATION:	DRILLER: Geiss Soil and Samples, LLC	DATE: 1/14/2022
BORING DIAMETER:	EQUIPMENT: Geoprobe	START TIME: 0910
BORING DEPTH: 2"	GROUND SURFACE: 6255	END TIME: 0945
SCREEN INTERVAL:	FLUID: Y N TYPE:	COMPLETED AS: TW1

DEPTH	SAMPLE	BLOWS	RECOVERY	TT	TA	PID	SOIL DESCRIPTION & COMMENTS
0-2		Direct	20	0925		0.3	red/brown silty clay
		Push					
2-4			20	0925		0.2	silty clay SAA
4-6			24	0930		0.7	SAA fine sand lens 4.5'-5'
6-8			24	0930		0.3	silty clay SAA
8-10			24	0935		0.3	SAA fine med gravel
10-12			24	0935		0.2	SAA
12-14			24	0940		0.3	SAA
14-16			24	0940		0.3	SAA EOB @ 16' bss
16-18							SET TW1 4-14' bss
18-20							

via
SAH
PO
*

BORING LOG



PROJECT NUMBER: 193708667
 LOCATION: 3731 Finger Rd, Green Bay, WI

BORING NUMBER: B2/TWZ
 LOGGED BY: TH

ELEVATION:		DRILLER: Geiss Soil and Samples, LLC	DATE: 1/14/2022
BORING DIAMETER:		EQUIPMENT: Geoprobe	START TIME: 0950
BORING DEPTH: 2"		GROUND SURFACE: Grass	END TIME:
SCREEN INTERVAL:		FLUID: Y N TYPE:	COMPLETED AS: TWZ

DEPTH	SAMPLE	BLOWS	RECOVERY	TT	TA	PID	SOIL DESCRIPTION & COMMENTS
0-2		Direct	18	0957		0.3	~6 inches topsoil then red/brown silty clay
		Push					
2-4			18	0957		0.2	SAA
4-6			24	1000		0.3	SAA gravel lens ~3 inches @ 4.5 ft
6-8			24	1000		0.1	SAA
8-10			24	1005		0.5	SAA silty lens ~2 inches @ 9 ft wet
10-12			24	1005		0.6	SAA
12-14			24	1010		0.7	SAA
14-16			24	1010		0.3	SAA EOD @ 16' BSS
16-18							TWZ screen 4-14' BSS
18-20							

LOC
 #14
 *P2

BORING LOG



PROJECT NUMBER: 193708667
 LOCATION: 3731 Finger Rd, Green Bay, WI

BORING NUMBER: B3/TW3
 LOGGED BY: TH

ELEVATION:		DRILLER: Geiss Soil and Samples, LLC	DATE: 1/14/2022
BORING DIAMETER:		EQUIPMENT: Geoprobe	START TIME: 1015
BORING DEPTH: 2"		GROUND SURFACE: Grass	END TIME:
SCREEN INTERVAL:		FLUID: Y N TYPE:	COMPLETED AS: TW3

DEPTH	SAMPLE	BLOWS	RECOVERY	TT	TA	PID	SOIL DESCRIPTION & COMMENTS
0-2		Direct	12	1020		0.4	4 inches topsoil then fine/mid sand 1/3 to brown
		Push					
2-4			12	1020		0.4	SAA
4-6			24	1025		0.3	SAA to 4.5 ft then red/brown silty clay
6-8			24	1025		0.2	SAA
8-10			<12	1040		0.3	SAA sample stuck - low recovery
10-12			<12	1040		0.7	SAA
12-14			24			0.4	SAA
14-16			24			0.3	SAA EUS @ 16' bgs
16-18							TW3 screen 4-14' bgs
18-20							

100
 100
 100
 *

BORING LOG



PROJECT NUMBER: 193708667
 LOCATION: 3731 Finger Rd, Green Bay, WI

BORING NUMBER: B34/TW4
 LOGGED BY: TH

ELEVATION:	DRILLER: Geiss Soil and Samples, LLC	DATE: 1/14/2022
BORING DIAMETER:	EQUIPMENT: Geoprobe	START TIME: 10:15
BORING DEPTH: 2"	GROUND SURFACE:	END TIME:
SCREEN INTERVAL:	FLUID: Y N TYPE:	COMPLETED AS: TW4

DEPTH	SAMPLE	BLOWS	RECOVERY	TT	TA	PID	SOIL DESCRIPTION & COMMENTS
0-2		Direct	18	1050	1105	0.43	0 inches top soil then red/brown silty clay
		Push					
2-4			18	1050	1105	4.9	SAA goes down to dark brown silty clay w/ organic debris
4-6			24	1055	1110	0.87	light brown silty clay
6-8			24	1055	1110	0.38	SAA
8-10			24	1100	1115	0.31	SAA
10-12			24	1100	1115	0.86	SAA Sandy clay @ 11.5 ft very wet
12-14			24	1105	1120	0.39	SAA
14-16			24	1105	1120	0.37	SAA END @ 16 ft
16-18							TW4 screen 4-14 ft bss
18-20							

See
RCA
PAH

BORING LOG



PROJECT NUMBER: 193708667
LOCATION: 3731 Finger Rd, Green Bay, WI

BORING NUMBER: B5
LOGGED BY: TH

ELEVATION:	DRILLER: Geiss Soil and Samples, LLC	DATE: 1/14/2022
BORING DIAMETER:	EQUIPMENT: Geoprobe	START TIME: 1115
BORING DEPTH: 2"	GROUND SURFACE:	END TIME:
SCREEN INTERVAL:	FLUID: Y N TYPE:	COMPLETED AS: B5

DEPTH	SAMPLE	BLOWS	RECOVERY	TT	TA	PID	SOIL DESCRIPTION & COMMENTS
0-2		Direct	20	1120	1135	0.61	~ 8 inches topsoil then red/brown silty clay
		Push					
2-4			20	1120	1135	0.34	SAA trace woody/organic debris
4-6			24	1125	1140	1.1	SAA
6-8			24	1125	1140	1.2	SAA
8-10			24	1130	1145	0.77	SAA
10-12			24	1130	1145	0.95	SAA EOB @ 12' @ 33
12-14							
14-16							
16-18							
18-20							

Use
Red
Pilot
* *

Use
* *

BORING LOG



PROJECT NUMBER: 193708667
 LOCATION: 3731 Finger Rd, Green Bay, WI

BORING NUMBER: B6
 LOGGED BY: TH

ELEVATION:	DRILLER: Geiss Soil and Samples, LLC	DATE: 1/14/2022
BORING DIAMETER:	EQUIPMENT: Geoprobe	START TIME: 1130
BORING DEPTH: 2"	GROUND SURFACE:	END TIME:
SCREEN INTERVAL:	FLUID: Y N TYPE:	COMPLETED AS: B6

DEPTH	SAMPLE	BLOWS	RECOVERY	TT	TA	PID	SOIL DESCRIPTION & COMMENTS
0-2		Direct	8	1130	1145	0.44	Sandy topsoil
		Push					
2-4			8	1130	1145	0.79	SAA then sandy clay w/ large gravel
4-6			24	1135	1150	0.45	Red brown silty clay sand lens @ 4.5-5 ft
6-8			24	1135	1150	0.59	SAA
8-10			24	1140	1155	0.53	Sand 8-9.5 ft - very wet then silty clay SAA
10-12			24	1140	1150	0.49	SAA silty clay EOB @ 12 ft
12-14							
14-16							
16-18							
18-20							

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plus
PAC
B6

BORING LOG



PROJECT NUMBER: 193708667
LOCATION: 3731 Finger Rd, Green Bay, WI

BORING NUMBER: B7
LOGGED BY: TH

ELEVATION:		DRILLER: Geiss Soil and Samples, LLC	DATE: 1/14/2022
BORING DIAMETER:		EQUIPMENT: Geoprobe	START TIME: 1145
BORING DEPTH: 2"		GROUND SURFACE:	END TIME:
SCREEN INTERVAL:		FLUID: Y N TYPE:	COMPLETED AS: B7

DEPTH	SAMPLE	BLOWS	RECOVERY	TT	TA	PID	SOIL DESCRIPTION & COMMENTS
0-2		Direct	18	1145		0.3	2.0m sandy siltstone then red brown siltstone
		Push					
2-4			18	1145		0.3	SAA
4-6			24	1150		0.4	SAA trace large gravel
6-8			24	1150		0.2	SAA
8-10			24	1155		0.58	SAA
10-12			24	1155		0.89	SAA 3m sand lens @ 10.5 ft
12-14			4	1200		0.60	SAA very low recovery
14-16			4	1200		0.58	SAA very low recovery
16-18							EOB @ 16' bgs
18-20							

vac
pax
pax

BORING LOG



PROJECT NUMBER: 193708667
 LOCATION: 3731 Finger Rd, Green Bay, WI

BORING NUMBER: B8
 LOGGED BY: TH

ELEVATION:	DRILLER: Geiss Soil and Samples, LLC	DATE: 1/14/2022
BORING DIAMETER:	EQUIPMENT: Geoprobe	START TIME: 1205
BORING DEPTH: 2"	GROUND SURFACE:	END TIME:
SCREEN INTERVAL:	FLUID: Y N TYPE:	COMPLETED AS: B8

DEPTH	SAMPLE	BLOWS	RECOVERY	TT	TA	PID	SOIL DESCRIPTION & COMMENTS
0-2		Direct	12	1215	1230	0.64	~3 inch sandy topsoil + brown sandy clay to 2 ft
		Push					
2-4			12	1215	1230	1.1	Sandy fill w/ concrete debris
4-6			24	1220	1235	1.3	Red/brown clay + clay
6-8			24	1220	1235	1.6	SAA
8-10			24	1225	1240	1.6	SAA
10-12			24	1225	1240	0.88	SAA
12-14							EOB @ 12 ft bgs
14-16							
16-18							
18-20							

BOD
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BORING LOG



PROJECT NUMBER: 193708667
 LOCATION: 3731 Finger Rd, Green Bay, WI

BORING NUMBER: 69
 LOGGED BY: TH

ELEVATION:	DRILLER: Geiss Soil and Samples, LLC	DATE: 1/14/2022
BORING DIAMETER:	EQUIPMENT: Geoprobe	START TIME: 1220
BORING DEPTH: 2"	GROUND SURFACE:	END TIME:
SCREEN INTERVAL:	FLUID: Y N TYPE:	COMPLETED AS: 391

DEPTH	SAMPLE	BLOWS	RECOVERY	TT	TA	PID	SOIL DESCRIPTION & COMMENTS
0-2		Direct	16	1225	1240	0.37	3 ~ topsoil then sandy clay to 2 ft
		Push					
2-4			16	1225	1240	0.21	red/brown silty clay
4-6			24	1230	1245	0.32	SAA trace large gravel
6-8			24	1230	1245	0.28	SAA
8-10			24	1235	1250	0.62	SAA
10-12			24	1235	1250	0.40	SAA
12-14							EOB @ 12 ft
14-16							
16-18							
18-20							

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BORING LOG



PROJECT NUMBER: 193708667
 LOCATION: 3731 Finger Rd, Green Bay, WI

BORING NUMBER: B10
 LOGGED BY: TH

ELEVATION:	DRILLER: Geiss Soil and Samples, LLC	DATE: 1/14/2022
BORING DIAMETER:	EQUIPMENT: Geoprobe	START TIME: 12:25
BORING DEPTH: 2"	GROUND SURFACE:	END TIME:
SCREEN INTERVAL:	FLUID: Y N TYPE:	COMPLETED AS: B10

DEPTH	SAMPLE	BLOWS	RECOVERY	TT	TA	PID	SOIL DESCRIPTION & COMMENTS
0-2		Direct	10	1230	1245	0.38	Sandy clay to 2 ft.
		Push					
2-4			10	1230	1245	0.54	Sandy gravel fill
4-6			6	1235	1250	0.64	SAA low recovery
6-8			6	1235	1250	0.53	SAA low recovery
8-10			24	1240	1255	0.59	Red/brown silty clay
10-12			24	1240	1255	0.97	SAA
12-14							FOB @ 12 ft
14-16							
16-18							
18-20							

REDA
FAX
100

BORING LOG



PROJECT NUMBER: 193708667
 LOCATION: 3731 Finger Rd, Green Bay, WI

BORING NUMBER: B11
 LOGGED BY: TH

ELEVATION:		DRILLER: Geiss Soil and Samples, LLC	DATE: 1/14/2022
BORING DIAMETER:		EQUIPMENT: Geoprobe	START TIME: 12:55
BORING DEPTH: 2"		GROUND SURFACE:	END TIME:
SCREEN INTERVAL:		FLUID: Y N TYPE:	COMPLETED AS: B11

DEPTH	SAMPLE	BLOWS	RECOVERY	TT	TA	PID	SOIL DESCRIPTION & COMMENTS
0-2		Direct	24	1300	1315	0.35	~8 in topsoil then red/brown silty clay
		Push					
2-4			24	1300	1315	0.59	SAA minor large gravel
4-6			24	1305	1320	0.65	SAA
6-8			24	1305	1320	0.78	SAA
8-10			24	1310	1325	0.59	SAA
10-12			24	1310	1325	0.72	SAA LOB @ 12 ft
12-14							
14-16							
16-18							
18-20							

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APPENDIX B – SOIL BOREHOLE ABANDONMENT FORMS

BS

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

Page 1 of 2

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Verification Only of Fill and Seal

Route to DNR Bureau:

- ☐ Drinking Water ☐ Watershed/Wastewater ☒ Remediation/Redevelopment
☐ Waste Management ☐ Other: _____

1. Well Location Information

County BROWN	WI Unique Well # of Removed Well _____	Hicap # _____
Latitude / Longitude (see instructions) 44.48792 N -87.89585 W	Format Code ☒ DD ☐ DDM	Method Code ☐ GPS008 ☒ SCR002 ☐ OTH001
1/4 SW 1/4 SE or Gov't Lot #	Section 01	Township 23 N
Well Street Address 3731 FINGER RD	Range 21 E	Well ZIP Code 54311
Well City, Village or Town GREEN BAY	Subdivision Name _____	Lot # _____

2. Facility / Owner Information

Facility Name FINGER ROAD PARCELS
Facility ID (FID or PWS) _____
License/Permit/Monitoring # _____
Original Well Owner CITY OF GREEN BAY
Present Well Owner CITY OF GREEN BAY
Mailing Address of Present Owner 100 N. JEFFERSON ST
City of Present Owner GREEN BAY
State WI
ZIP Code 54301

Reason for Removal from Service

END OF SAMPLING

WI Unique Well # of Replacement Well

3. Filled & Sealed Well / Drillhole / Borehole Information

☐ Monitoring Well	Original Construction Date (mm/dd/yyyy) 01/14/2022
☐ Water Well	If a Well Construction Report is available, please attach. _____
☒ Borehole / Drillhole	

Construction Type:

- ☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (specify): **DIRECT PUSH**

Formation Type:

- ☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.) _____ Casing Diameter (in.) _____

Lower Drillhole Diameter (in.) _____ Casing Depth (ft.) _____

Was well annular space grouted? ☐ Yes ☐ No ☐ Unknown

If yes, to what depth (feet)? _____ Depth to Water (feet) _____

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes ☐ No ☒ N/A
Liner(s) removed?	☐ Yes ☐ No ☒ N/A
Liner(s) perforated?	☐ Yes ☐ No ☒ N/A
Screen removed?	☐ Yes ☐ No ☒ N/A
Casing left in place?	☐ Yes ☐ No ☒ N/A
Was casing cut off below surface?	☐ Yes ☐ No ☒ N/A
Did sealing material rise to surface?	☒ Yes ☐ No ☐ N/A
Did material settle after 24 hours?	☐ Yes ☒ No ☐ N/A
If yes, was hole retopped?	☐ Yes ☐ No ☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☐ Yes ☐ No ☒ N/A

Required Method of Placing Sealing Material

- ☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) ☒ Other (Explain): **GRAVITY**

Sealing Materials

- ☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ☒ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:

- ☐ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

Material BENTONITE CHIPS	From (ft.) Surface	To (ft.) 12 ft	No. Yards, Sacks Sealant or Volume (circle one) 0.262 ft³	Mix Ratio or Mud Weight _____
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6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing GEISS SOIL + SAMPLES	License # _____	Date of Filling & Sealing or Verification (mm/dd/yyyy) 01/14/2022	DNR Use Only	
Street or Route W4490 POPE RD	Telephone Number (715) 539-3928	Date Received _____	Noted By _____	
City MERRILL	State WI	ZIP Code 54452	Signature of Person Doing Work TR (STANTEC PARCELS)	Date Signed 2/1/2022

B6

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

Page 1 of 2

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☒ Verification Only of Fill and Seal

Route to DNR Bureau:

- ☐ Drinking Water ☐ Watershed/Wastewater ☒ Remediation/Redevelopment
☐ Waste Management ☐ Other: _____

1. Well Location Information

County BROWN		WI Unique Well # of Removed Well	Hicap #
Latitude / Longitude (see instructions) 44.48792 N -87.89585 W		Format Code ☒ DD ☐ DDM	Method Code ☐ GPS008 ☒ SCR002 ☐ OTH001
1/4 1/4 SW 1/4 SE	Section 01	Township 23 N	Range 21 E
Well Street Address 3731 FINGER RD		Well ZIP Code 54311	
Well City, Village or Town GREEN BAY		Lot #	
Subdivision Name		Original Well Owner CITY OF GREEN BAY	

2. Facility / Owner Information

Facility Name FINGER ROAD PARCELS	
Facility ID (FID or PWS)	
License/Permit/Monitoring #	
Present Well Owner CITY OF GREEN BAY	
Mailing Address of Present Owner 100 N. JEFFERSON ST	
City of Present Owner GREEN BAY	State WI
ZIP Code 54301	

Reason for Removal from Service END OF SAMPLING	WI Unique Well # of Replacement Well
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3. Filled & Sealed Well / Drillhole / Borehole Information

☐ Monitoring Well	Original Construction Date (mm/dd/yyyy) 01/14/2022
☐ Water Well	If a Well Construction Report is available, please attach.
☒ Borehole / Drillhole	
Construction Type: ☐ Drilled ☐ Driven (Sandpoint) ☐ Dug ☒ Other (specify): DIRECT PUSH	
Formation Type: ☒ Unconsolidated Formation ☐ Bedrock	
Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
Lower Drillhole Diameter (in.)	Casing Depth (ft.)
Was well annular space grouted? ☐ Yes ☐ No ☐ Unknown	
If yes, to what depth (feet)?	Depth to Water (feet)

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes ☐ No ☒ N/A
Liner(s) removed?	☐ Yes ☐ No ☒ N/A
Liner(s) perforated?	☐ Yes ☐ No ☒ N/A
Screen removed?	☐ Yes ☐ No ☒ N/A
Casing left in place?	☐ Yes ☐ No ☒ N/A
Was casing cut off below surface?	☐ Yes ☐ No ☒ N/A
Did sealing material rise to surface?	☒ Yes ☐ No ☐ N/A
Did material settle after 24 hours?	☐ Yes ☒ No ☐ N/A
If yes, was hole retopped?	☐ Yes ☐ No ☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☐ Yes ☐ No ☒ N/A

Required Method of Placing Sealing Material

☐ Conductor Pipe-Gravity	☐ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips)	☒ Other (Explain): GRAVITY

Sealing Materials	
☐ Neat Cement Grout	☐ Concrete
☐ Sand-Cement (Concrete) Grout	☒ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:

☐ Bentonite Chips	☐ Bentonite - Cement Grout
☐ Granular Bentonite	☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

BENTONITE CHIPS	From (ft.) Surface	To (ft.) 12 ft	No. Yards, Sacks Sealant or Volume (circle one) 0.262 yds	Mix Ratio or Mud Weight
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6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing GEISS SOIL + SAMPLES	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy) 01/14/2022	DNR Use Only	
Street or Route W4490 POPE RD	Telephone Number (715) 539-3928	Date Received	Noted By	
City MERRILL	State WI	ZIP Code 54452	Signature of Person Doing Work DR (STANTEC FOR GEISS)	
			Date Signed 2/1/2022	

B7

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

Page 1 of 2

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☒ Verification Only of Fill and Seal

Route to DNR Bureau:

- ☐ Drinking Water ☐ Watershed/Wastewater ☒ Remediation/Redevelopment
☐ Waste Management ☐ Other: _____

1. Well Location Information

County BROWN	WI Unique Well # of Removed Well _____	Hicap # _____
Latitude / Longitude (see instructions) 44.48742 N -87.89585 W	Format Code ☒ DD ☐ DDM	Method Code ☐ GPS008 ☒ SCR002 ☐ OTH001
1/4 1/4 SW 1/4 SE or Gov't Lot #	Section 01	Township 23 N Range ☒ E ☐ W 21
Well Street Address 3731 FINGER RD		
Well City, Village or Town GREEN BAY		Well ZIP Code 54311
Subdivision Name _____		Lot # _____

2. Facility / Owner Information

Facility Name FINGER ROAD PARCELS
Facility ID (FID or PWS) _____
License/Permit/Monitoring # _____
Original Well Owner CITY OF GREEN BAY
Present Well Owner CITY OF GREEN BAY
Mailing Address of Present Owner 100 N. JEFFERSON ST
City of Present Owner GREEN BAY
State WI
ZIP Code 54301

Reason for Removal from Service END OF SAMPLING	WI Unique Well # of Replacement Well _____
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3. Filled & Sealed Well / Drillhole / Borehole Information

☐ Monitoring Well	Original Construction Date (mm/dd/yyyy) 01/14/2022
☐ Water Well	If a Well Construction Report is available, please attach. _____
☒ Borehole / Drillhole	
Construction Type: ☐ Drilled ☐ Driven (Sandpoint) ☐ Dug ☒ Other (specify): DIRECT PUSH	
Formation Type: ☒ Unconsolidated Formation ☐ Bedrock	
Total Well Depth From Ground Surface (ft.) _____	Casing Diameter (in.) _____
Lower Drillhole Diameter (in.) _____	Casing Depth (ft.) _____
Was well annular space grouted? ☐ Yes ☐ No ☐ Unknown	
If yes, to what depth (feet)? _____	Depth to Water (feet) _____

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes ☐ No ☒ N/A
Liner(s) removed?	☐ Yes ☐ No ☒ N/A
Liner(s) perforated?	☐ Yes ☐ No ☒ N/A
Screen removed?	☐ Yes ☐ No ☒ N/A
Casing left in place?	☐ Yes ☐ No ☒ N/A
Was casing cut off below surface?	☐ Yes ☐ No ☒ N/A
Did sealing material rise to surface?	☒ Yes ☐ No ☐ N/A
Did material settle after 24 hours?	☐ Yes ☒ No ☐ N/A
If yes, was hole retopped?	☐ Yes ☐ No ☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☐ Yes ☐ No ☒ N/A
Required Method of Placing Sealing Material ☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped ☐ Screened & Poured (Bentonite Chips) ☒ Other (Explain): GRAVITY	

Sealing Materials ☐ Neat Cement Grout ☐ Concrete ☐ Sand-Cement (Concrete) Grout ☒ Bentonite Chips	
For Monitoring Wells and Monitoring Well Boreholes Only: ☐ Bentonite Chips ☐ Bentonite - Cement Grout ☐ Granular Bentonite ☐ Bentonite - Sand Slurry	

5. Material Used to Fill Well / Drillhole

BENTONITE CHIPS	From (ft.) Surface	To (ft.) 16 ft	No. Yards, Sacks Sealant or Volume (circle one) 0.349 cu yd	Mix Ratio or Mud Weight _____
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6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing GEISS SOIL & SAMPLES	License # _____	Date of Filling & Sealing or Verification (mm/dd/yyyy) 01/14/2022	DNR Use Only Date Received _____	
Street or Route W4490 POPE RD	Telephone Number (715) 539-3728	Comments _____		
City MERRILL	State WI	ZIP Code 54452	Signature of Person Doing Work DR (STANTEC FOR GEISS)	Date Signed 2/1/2022

B8

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

Page 1 of 2

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☒ Verification Only of Fill and Seal

Route to DNR Bureau:

- ☐ Drinking Water ☐ Watershed/Wastewater ☒ Remediation/Redevelopment
☐ Waste Management ☐ Other: _____

1. Well Location Information

County BROWN	WI Unique Well # of Removed Well _____	Hicap # _____
Latitude / Longitude (see instructions) 44.48792 N -87.89585 W	Format Code ☒ DD ☐ DDM	Method Code ☐ GPS008 ☒ SCR002 ☐ OTH001
1/4 1/4 SW 1/4 SE or Gov't Lot #	Section 01	Township 23 N
Well Street Address 3731 FINGER RD	Range 21 E	Original Well Owner CITY OF GREEN BAY
Well City, Village or Town GREEN BAY	Well ZIP Code 54311	Present Well Owner CITY OF GREEN BAY
Subdivision Name	Lot #	Mailing Address of Present Owner 100 N. JEFFERSON ST
		City of Present Owner GREEN BAY State WI ZIP Code 54301

2. Facility / Owner Information

Facility Name FINGER ROAD PARCELS
Facility ID (FID or PWS) _____
License/Permit/Monitoring # _____
Original Well Owner CITY OF GREEN BAY
Present Well Owner CITY OF GREEN BAY
Mailing Address of Present Owner 100 N. JEFFERSON ST
City of Present Owner GREEN BAY State WI ZIP Code 54301

Reason for Removal from Service

END OF SAMPLING

WI Unique Well # of Replacement Well

3. Filled & Sealed Well / Drillhole / Borehole Information

☐ Monitoring Well	Original Construction Date (mm/dd/yyyy) 01/14/2022
☐ Water Well	If a Well Construction Report is available, please attach.
☒ Borehole / Drillhole	
Construction Type: ☐ Drilled ☐ Driven (Sandpoint) ☐ Dug ☒ Other (specify): DIRECT PUSH	

Formation Type:

- ☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.) Casing Diameter (in.)

Lower Drillhole Diameter (in.) Casing Depth (ft.)

Was well annular space grouted? ☐ Yes ☐ No ☐ Unknown

If yes, to what depth (feet)? Depth to Water (feet)

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes ☐ No ☒ N/A
Liner(s) removed?	☐ Yes ☐ No ☒ N/A
Liner(s) perforated?	☐ Yes ☐ No ☒ N/A
Screen removed?	☐ Yes ☐ No ☒ N/A
Casing left in place?	☐ Yes ☐ No ☒ N/A
Was casing cut off below surface?	☐ Yes ☐ No ☒ N/A
Did sealing material rise to surface?	☒ Yes ☐ No ☐ N/A
Did material settle after 24 hours?	☐ Yes ☒ No ☐ N/A
If yes, was hole retopped?	☐ Yes ☐ No ☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☐ Yes ☐ No ☒ N/A

Required Method of Placing Sealing Material

- ☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) ☒ Other (Explain): **GRAVITY**

Sealing Materials

- ☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ☒ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:

- ☐ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

BENTONITE CHIPS	From (ft.) Surface	To (ft.) 12 ft	No. Yards, Sacks Sealant or Volume (circle one) 0.262 ft³	Mix Ratio or Mud Weight
------------------------	------------------------------	--------------------------	--	-------------------------

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing GEISS SOIL + SAMPLES	License # _____	Date of Filling & Sealing or Verification (mm/dd/yyyy) 01/14/2022	DNR Use Only	
Street or Route W4490 POPE RD	Telephone Number (715) 539-3728	Comments	Date Received	Noted By
City MERRILL	State WI	ZIP Code 54452	Signature of Person Doing Work TR (STANTEC FOR GEISS)	Date Signed 2/1/2022

B9

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

Page 1 of 2

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☒ Verification Only of Fill and Seal

Route to DNR Bureau:

- ☐ Drinking Water ☐ Watershed/Wastewater ☒ Remediation/Redevelopment
☐ Waste Management ☐ Other: _____

1. Well Location Information

County BROWN	WI Unique Well # of Removed Well _____	Hicap # _____
Latitude / Longitude (see instructions) 44.48792 N -87.89585 W	Format Code ☒ DD ☐ DDM	Method Code ☐ GPS008 ☒ SCR002 ☐ OTH001
1/4 1/4 SW 1/4 SE or Gov't Lot #	Section 01	Township 23 N
Well Street Address 3731 FINGER RD	Well ZIP Code 54311	Range ☒ E ☐ W 21
Well City, Village or Town GREEN BAY	Subdivision Name _____	Lot # _____

2. Facility / Owner Information

Facility Name FINGER ROAD PARCELS
Facility ID (FID or PWS) _____
License/Permit/Monitoring # _____
Original Well Owner CITY OF GREEN BAY
Present Well Owner CITY OF GREEN BAY
Mailing Address of Present Owner 100 N. JEFFERSON ST
City of Present Owner GREEN BAY
State WI
ZIP Code 54301

Reason for Removal from Service

END OF SAMPLING

3. Filled & Sealed Well / Drillhole / Borehole Information

☐ Monitoring Well	Original Construction Date (mm/dd/yyyy) 01/14/2022
☐ Water Well	If a Well Construction Report is available, please attach. _____
☒ Borehole / Drillhole	

Construction Type:

- ☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (specify): **DIRECT PUSH**

Formation Type:

- ☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.) _____ Casing Diameter (in.) _____

Lower Drillhole Diameter (in.) _____ Casing Depth (ft.) _____

Was well annular space grouted? ☐ Yes ☐ No ☐ Unknown

If yes, to what depth (feet)? _____ Depth to Water (feet) _____

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes ☐ No ☒ N/A
Liner(s) removed?	☐ Yes ☐ No ☒ N/A
Liner(s) perforated?	☐ Yes ☐ No ☒ N/A
Screen removed?	☐ Yes ☐ No ☒ N/A
Casing left in place?	☐ Yes ☐ No ☒ N/A
Was casing cut off below surface?	☐ Yes ☐ No ☒ N/A
Did sealing material rise to surface?	☒ Yes ☐ No ☐ N/A
Did material settle after 24 hours?	☐ Yes ☒ No ☐ N/A
If yes, was hole retopped?	☐ Yes ☐ No ☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☐ Yes ☐ No ☒ N/A

Required Method of Placing Sealing Material

- ☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) ☒ Other (Explain): **GRAVITY**

Sealing Materials

- ☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ☒ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:

- ☐ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

BENTONITE CHIPS	From (ft.) Surface	To (ft.) 12 ft	No. Yards, Sacks Sealant or Volume (circle one) 0262 G3	Mix Ratio or Mud Weight _____
------------------------	-----------------------	--------------------------	---	----------------------------------

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing GEISS SOIL + SAMPLES	License # _____	Date of Filling & Sealing or Verification (mm/dd/yyyy) 01/14/2022	DNR Use Only	
Street or Route W4490 POPE RD	Telephone Number (715) 539-3928	Date Received _____	Noted By _____	
City MERRILL	State WI	ZIP Code 54452	Signature of Person Doing Work DR (STANTEC FOR GEISS)	
			Date Signed 2/1/2022	

B10

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

Page 1 of 2

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Verification Only of Fill and Seal

Route to DNR Bureau:

- ☐ Drinking Water ☐ Watershed/Wastewater ☒ Remediation/Redevelopment
☐ Waste Management ☐ Other: _____

1. Well Location Information

County BROWN	WI Unique Well # of Removed Well _____	Hicap # _____
Latitude / Longitude (see instructions) 44.48792 N -87.89585 W	Format Code ☒ DD ☐ DDM	Method Code ☐ GPS008 ☒ SCR002 ☐ OTH001
$\frac{1}{4}$ SW $\frac{1}{4}$ SE or Gov't Lot #	Section 01	Township 23 N
Well Street Address 3731 FINGER RD	Range 21 E	Original Well Owner CITY OF GREEN BAY
Well City, Village or Town GREEN BAY	Well ZIP Code 54311	Present Well Owner CITY OF GREEN BAY
Subdivision Name	Lot #	Mailing Address of Present Owner 100 N. JEFFERSON ST
		City of Present Owner GREEN BAY State WI ZIP Code 54301

2. Facility / Owner Information

Facility Name FINGER ROAD PARCELS
Facility ID (FID or PWS) _____
License/Permit/Monitoring # _____
Original Well Owner CITY OF GREEN BAY
Present Well Owner CITY OF GREEN BAY
Mailing Address of Present Owner 100 N. JEFFERSON ST
City of Present Owner GREEN BAY State WI ZIP Code 54301

Reason for Removal from Service
END OF SAMPLING

WI Unique Well # of Replacement Well

3. Filled & Sealed Well / Drillhole / Borehole Information

☐ Monitoring Well	Original Construction Date (mm/dd/yyyy) 01/14/2022
☐ Water Well	If a Well Construction Report is available, please attach. _____
☒ Borehole / Drillhole	
Construction Type: ☐ Drilled ☐ Driven (Sandpoint) ☐ Dug ☒ Other (specify): DIRECT PUSH	

Formation Type:

☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.) Casing Diameter (in.)

Lower Drillhole Diameter (in.) Casing Depth (ft.)

Was well annular space grouted? ☐ Yes ☐ No ☐ Unknown

If yes, to what depth (feet)? Depth to Water (feet)

5. Material Used to Fill Well / Drillhole

BENTONITE CHIPS			
From (ft.) Surface	To (ft.) 12 ft	No. Yards, Sacks Sealant or volume (circle one) 0.262 cu yd	Mix Ratio or Mud Weight _____

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes ☐ No ☒ N/A
Liner(s) removed?	☐ Yes ☐ No ☒ N/A
Liner(s) perforated?	☐ Yes ☐ No ☒ N/A
Screen removed?	☐ Yes ☐ No ☒ N/A
Casing left in place?	☐ Yes ☐ No ☒ N/A
Was casing cut off below surface?	☐ Yes ☐ No ☒ N/A
Did sealing material rise to surface?	☒ Yes ☐ No ☐ N/A
Did material settle after 24 hours?	☐ Yes ☒ No ☐ N/A
If yes, was hole retopped?	☐ Yes ☐ No ☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☐ Yes ☐ No ☒ N/A

Required Method of Placing Sealing Material

☐ Conductor Pipe-Gravity	☐ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips)	☒ Other (Explain): GRAVITY

Sealing Materials

☐ Neat Cement Grout	☐ Concrete
☐ Sand-Cement (Concrete) Grout	☒ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:

☐ Bentonite Chips	☐ Bentonite - Cement Grout
☐ Granular Bentonite	☐ Bentonite - Sand Slurry

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing GEISS SOIL & SAMPLES	License # _____	Date of Filling & Sealing or Verification (mm/dd/yyyy) 01/14/2022	DNR Use Only	
Street or Route W4490 POPE RD	Telephone Number (715) 539-3928	Comments _____	Date Received _____	Noted By _____
City MERRILL	State WI	ZIP Code 54452	Signature of Person Doing Work TR (STANTEC FOR GEISS)	Date Signed 2/1/2022

B11

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

Page 1 of 2

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☒ Verification Only of Fill and Seal	Route to DNR Bureau:		
	☐ Drinking Water	☐ Watershed/Wastewater	☒ Remediation/Redevelopment
	☐ Waste Management	☐ Other: _____	

1. Well Location Information				2. Facility / Owner Information			
County BROWN		WI Unique Well # of Removed Well		Hicap #		Facility Name FINGER ROAD PARCELS	
Latitude / Longitude (see instructions) 44.48792 N -87.89585 W		Format Code ☒ DD ☐ DDM		Method Code ☐ GPS008 ☒ SCR002 ☐ OTH001		Facility ID (FID or PWS)	
1/4 1/4 SW 1/4 SE or Gov't Lot #		Section 01		Township 23 N		Range 21 E	
Well Street Address 3731 FINGER RD				Original Well Owner CITY OF GREEN BAY			
Well City, Village or Town GREEN BAY				Present Well Owner CITY OF GREEN BAY			
Subdivision Name				Mailing Address of Present Owner 100 N. JEFFERSON ST			
Well ZIP Code 54311				City of Present Owner GREEN BAY		State WI	
Lot #				ZIP Code 54301			

Reason for Removal from Service END OF SAMPLING	WI Unique Well # of Replacement Well
---	--------------------------------------

3. Filled & Sealed Well / Drillhole / Borehole Information				4. Pump, Liner, Screen, Casing & Sealing Material			
☐ Monitoring Well		Original Construction Date (mm/dd/yyyy) 01/14/2022		Pump and piping removed?		☐ Yes ☐ No ☒ N/A	
☐ Water Well		If a Well Construction Report is available, please attach.		Liner(s) removed?		☐ Yes ☐ No ☒ N/A	
☒ Borehole / Drillhole				Liner(s) perforated?		☐ Yes ☐ No ☒ N/A	
Construction Type:				Screen removed?		☐ Yes ☐ No ☒ N/A	
☐ Drilled		☐ Driven (Sandpoint)		Casing left in place?		☐ Yes ☐ No ☒ N/A	
☒ Other (specify): DIRECT PUSH		☐ Dug		Was casing cut off below surface?		☐ Yes ☐ No ☒ N/A	
Formation Type:				Did sealing material rise to surface?		☒ Yes ☐ No ☐ N/A	
☒ Unconsolidated Formation		☐ Bedrock		Did material settle after 24 hours?		☐ Yes ☒ No ☐ N/A	
Total Well Depth From Ground Surface (ft.)		Casing Diameter (in.)		If yes, was hole retopped?		☐ Yes ☐ No ☒ N/A	
Lower Drillhole Diameter (in.)		Casing Depth (ft.)		If bentonite chips were used, were they hydrated with water from a known safe source?		☐ Yes ☐ No ☒ N/A	
Was well annular space grouted?		☐ Yes ☐ No ☐ Unknown		Required Method of Placing Sealing Material			
If yes, to what depth (feet)?		Depth to Water (feet)		☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped			
				☐ Screened & Poured (Bentonite Chips) ☒ Other (Explain): GRAVITY			
5. Material Used to Fill Well / Drillhole				Sealing Materials			
BENTONITE CHIPS				☐ Neat Cement Grout ☐ Concrete			
				☐ Sand-Cement (Concrete) Grout ☒ Bentonite Chips			
				For Monitoring Wells and Monitoring Well Boreholes Only:			
				☐ Bentonite Chips ☐ Bentonite - Cement Grout			
				☐ Granular Bentonite ☐ Bentonite - Sand Slurry			
From (ft.)		To (ft.)		No. Yards, Sacks Sealant or volume (circle one)		Mix Ratio or Mud Weight	
Surface		12 ft		0.262 ft ³			

6. Comments			

7. Supervision of Work				DNR Use Only	
Name of Person or Firm Doing Filling & Sealing GEISS SOIL & SAMPLES		License #		Date Received	
Street or Route W4490 POPE RD		Date of Filling & Sealing or Verification (mm/dd/yyyy) 01/14/2022		Noted By	
City MERRILL		Telephone Number (715) 539-3928		Comments	
State WI		Signature of Person Doing Work TR (STANTEC FOR GEISS)		Date Signed 2/1/2022	

APPENDIX C – SOIL LABORATORY ANALYTICAL REPORT

ANALYTICAL REPORT

Eurofins Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

Laboratory Job ID: 500-211019-1

Client Project/Site: East Mason Finger Road Parcels -
193708667

For:

Stantec Consulting Corp.
1165 Scheuring Road
De Pere, Wisconsin 54115

Attn: Evan Weber



Authorized for release by:
1/31/2022 3:38:59 PM

Sandie Fredrick, Project Manager II
(920)261-1660
sandra.fredrick@eurofinset.com

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The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Case Narrative

Client: Stantec Consulting Corp.
Project/Site: East Mason Finger Road Parcels - 193708667

Job ID: 500-211019-1

Job ID: 500-211019-1

Laboratory: Eurofins Chicago

Narrative

Job Narrative 500-211019-1

Comments

No additional comments.

Receipt

The samples were received on 1/15/2022 10:50 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.4° C.

Receipt Exceptions

One or more containers for the following sample(s) was received broken or leaking: Sample #1 "B1 (0-2)" 10mL vial received broken for VOCs.

GC/MS VOA

Method 8260B: The laboratory control sample (LCS) for 500-638512 recovered outside control limits for the following analytes: Chloromethane and Vinyl Chloride. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8260B: The laboratory control sample (LCS) for 500-638015, 500-638015, 500-638015, 500-638015 and 500-638015 recovered outside control limits for the following analyte: 1,1-Dichloroethane. These analyte was biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8260B: The laboratory control sample (LCS) for 500-639103 recovered outside control limits for the following analytes: 2,2-Dichloropropane and Isopropylbenzene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA

Method 8270D: The continuing calibration verification (CCV) associated with batch 500-639862 recovered above the upper control limit for Dibenzo(a,h)anthracene. The samples associated with this CCV were non-detected above the reporting limit for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCVIS 500-639862/2).

Method 8270D: The following sample was diluted due to the nature of the sample matrix: B10 (2-4) (500-211019-10). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Stantec Consulting Corp.
Project/Site: East Mason Finger Road Parcels - 193708667

Job ID: 500-211019-1

Client Sample ID: B1 (0-2)

Lab Sample ID: 500-211019-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]pyrene	9.1	J	38	7.4	ug/Kg	1	✱	8270D	Total/NA
Benzo[b]fluoranthene	12	J	38	8.3	ug/Kg	1	✱	8270D	Total/NA
Chrysene	11	J	38	10	ug/Kg	1	✱	8270D	Total/NA
Fluoranthene	17	J	38	7.1	ug/Kg	1	✱	8270D	Total/NA
Pyrene	17	J	38	7.6	ug/Kg	1	✱	8270D	Total/NA
Lead	10		0.50	0.23	mg/Kg	1	✱	6010C	Total/NA

Client Sample ID: B2 (0-2)

Lab Sample ID: 500-211019-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	8.2	J	38	5.2	ug/Kg	1	✱	8270D	Total/NA
Benzo[a]pyrene	9.1	J	38	7.5	ug/Kg	1	✱	8270D	Total/NA
Benzo[b]fluoranthene	11	J	38	8.4	ug/Kg	1	✱	8270D	Total/NA
Fluoranthene	17	J	38	7.2	ug/Kg	1	✱	8270D	Total/NA
Pyrene	14	J	38	7.7	ug/Kg	1	✱	8270D	Total/NA
Lead	42		0.55	0.26	mg/Kg	1	✱	6010C	Total/NA

Client Sample ID: B3 (2-4)

Lab Sample ID: 500-211019-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.49	J	0.95	0.32	mg/Kg	1	✱	6010C	Total/NA
Barium	14		0.95	0.11	mg/Kg	1	✱	6010C	Total/NA
Cadmium	0.15	J B	0.19	0.034	mg/Kg	1	✱	6010C	Total/NA
Chromium	6.8		0.95	0.47	mg/Kg	1	✱	6010C	Total/NA
Lead	1.9		0.47	0.22	mg/Kg	1	✱	6010C	Total/NA
Silver	0.13	J	0.47	0.12	mg/Kg	1	✱	6010C	Total/NA
Mercury	0.012	J	0.017	0.0058	mg/Kg	1	✱	7471B	Total/NA

Client Sample ID: B4 (2-4)

Lab Sample ID: 500-211019-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	5.5	J	40	5.4	ug/Kg	1	✱	8270D	Total/NA
Fluoranthene	8.5	J	40	7.4	ug/Kg	1	✱	8270D	Total/NA
Arsenic	2.1		1.2	0.39	mg/Kg	1	✱	6010C	Total/NA
Barium	71		1.2	0.13	mg/Kg	1	✱	6010C	Total/NA
Cadmium	0.36	B	0.23	0.042	mg/Kg	1	✱	6010C	Total/NA
Chromium	21		1.2	0.57	mg/Kg	1	✱	6010C	Total/NA
Lead	72		0.58	0.27	mg/Kg	1	✱	6010C	Total/NA
Silver	0.38	J	0.58	0.15	mg/Kg	1	✱	6010C	Total/NA
Mercury	0.11		0.019	0.0062	mg/Kg	1	✱	7471B	Total/NA

Client Sample ID: B5 (0-2)

Lab Sample ID: 500-211019-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthylene	14	J	38	5.0	ug/Kg	1	✱	8270D	Total/NA
Anthracene	8.7	J	38	6.3	ug/Kg	1	✱	8270D	Total/NA
Benzo[a]anthracene	38		38	5.1	ug/Kg	1	✱	8270D	Total/NA
Benzo[a]pyrene	42		38	7.4	ug/Kg	1	✱	8270D	Total/NA
Benzo[b]fluoranthene	51		38	8.2	ug/Kg	1	✱	8270D	Total/NA
Benzo[g,h,i]perylene	23	J	38	12	ug/Kg	1	✱	8270D	Total/NA
Benzo[k]fluoranthene	23	J	38	11	ug/Kg	1	✱	8270D	Total/NA
Chrysene	44		38	10	ug/Kg	1	✱	8270D	Total/NA
Fluoranthene	100		38	7.0	ug/Kg	1	✱	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Chicago

Detection Summary

Client: Stantec Consulting Corp.
Project/Site: East Mason Finger Road Parcels - 193708667

Job ID: 500-211019-1

Client Sample ID: B5 (0-2) (Continued)

Lab Sample ID: 500-211019-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Indeno[1,2,3-cd]pyrene	19	J	38	9.8	ug/Kg	1	✱	8270D	Total/NA
Phenanthrene	76		38	5.3	ug/Kg	1	✱	8270D	Total/NA
Pyrene	82		38	7.5	ug/Kg	1	✱	8270D	Total/NA
Lead	30		0.59	0.27	mg/Kg	1	✱	6010C	Total/NA

Client Sample ID: B6 (2-4)

Lab Sample ID: 500-211019-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Anthracene	6.4	J	36	6.1	ug/Kg	1	✱	8270D	Total/NA
Benzo[a]anthracene	82		36	4.9	ug/Kg	1	✱	8270D	Total/NA
Benzo[a]pyrene	82		36	7.1	ug/Kg	1	✱	8270D	Total/NA
Benzo[b]fluoranthene	110		36	7.9	ug/Kg	1	✱	8270D	Total/NA
Benzo[g,h,i]perylene	34	J	36	12	ug/Kg	1	✱	8270D	Total/NA
Benzo[k]fluoranthene	42		36	11	ug/Kg	1	✱	8270D	Total/NA
Chrysene	87		36	10	ug/Kg	1	✱	8270D	Total/NA
Dibenz(a,h)anthracene	13	J	36	7.1	ug/Kg	1	✱	8270D	Total/NA
Fluoranthene	180		36	6.8	ug/Kg	1	✱	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	33	J	36	9.5	ug/Kg	1	✱	8270D	Total/NA
Phenanthrene	28	J	36	5.1	ug/Kg	1	✱	8270D	Total/NA
Pyrene	140		36	7.3	ug/Kg	1	✱	8270D	Total/NA
Lead	25		0.55	0.25	mg/Kg	1	✱	6010C	Total/NA

Client Sample ID: B7 (2-4)

Lab Sample ID: 500-211019-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	6.9		0.53	0.24	mg/Kg	1	✱	6010C	Total/NA

Client Sample ID: B8 (2-4)

Lab Sample ID: 500-211019-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	11	J	34	4.7	ug/Kg	1	✱	8270D	Total/NA
Benzo[a]pyrene	13	J	34	6.7	ug/Kg	1	✱	8270D	Total/NA
Benzo[b]fluoranthene	15	J	34	7.5	ug/Kg	1	✱	8270D	Total/NA
Chrysene	12	J	34	9.4	ug/Kg	1	✱	8270D	Total/NA
Fluoranthene	21	J	34	6.4	ug/Kg	1	✱	8270D	Total/NA
Phenanthrene	9.5	J	34	4.8	ug/Kg	1	✱	8270D	Total/NA
Pyrene	21	J	34	6.9	ug/Kg	1	✱	8270D	Total/NA
Arsenic	1.5		1.1	0.37	mg/Kg	1	✱	6010C	Total/NA
Barium	32		1.1	0.12	mg/Kg	1	✱	6010C	Total/NA
Cadmium	0.18	J B	0.22	0.039	mg/Kg	1	✱	6010C	Total/NA
Chromium	10		1.1	0.54	mg/Kg	1	✱	6010C	Total/NA
Lead	8.0		0.54	0.25	mg/Kg	1	✱	6010C	Total/NA
Silver	0.26	J	0.54	0.14	mg/Kg	1	✱	6010C	Total/NA
Mercury	0.016	J	0.017	0.0058	mg/Kg	1	✱	7471B	Total/NA

Client Sample ID: B9 (2-4)

Lab Sample ID: 500-211019-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	17	J	38	5.2	ug/Kg	1	✱	8270D	Total/NA
Benzo[a]pyrene	15	J	38	7.5	ug/Kg	1	✱	8270D	Total/NA
Benzo[b]fluoranthene	30	J	38	8.3	ug/Kg	1	✱	8270D	Total/NA
Benzo[k]fluoranthene	14	J	38	11	ug/Kg	1	✱	8270D	Total/NA
Chrysene	28	J	38	11	ug/Kg	1	✱	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

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Detection Summary

Client: Stantec Consulting Corp.

Job ID: 500-211019-1

Project/Site: East Mason Finger Road Parcels - 193708667

Client Sample ID: B9 (2-4) (Continued)

Lab Sample ID: 500-211019-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Fluoranthene	55		38	7.2	ug/Kg	1	✱	8270D	Total/NA
Phenanthrene	6.0	J	38	5.4	ug/Kg	1	✱	8270D	Total/NA
Pyrene	45		38	7.7	ug/Kg	1	✱	8270D	Total/NA
Arsenic	2.0		1.1	0.38	mg/Kg	1	✱	6010C	Total/NA
Barium	72		1.1	0.13	mg/Kg	1	✱	6010C	Total/NA
Cadmium	0.26	B	0.22	0.040	mg/Kg	1	✱	6010C	Total/NA
Chromium	17		1.1	0.55	mg/Kg	1	✱	6010C	Total/NA
Lead	7.9		0.55	0.25	mg/Kg	1	✱	6010C	Total/NA
Silver	0.31	J	0.55	0.14	mg/Kg	1	✱	6010C	Total/NA
Mercury	0.014	J	0.019	0.0063	mg/Kg	1	✱	7471B	Total/NA

Client Sample ID: B10 (2-4)

Lab Sample ID: 500-211019-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	1.7		1.2	0.42	mg/Kg	1	✱	6010C	Total/NA
Barium	50		1.2	0.14	mg/Kg	1	✱	6010C	Total/NA
Cadmium	0.24	J B	0.25	0.045	mg/Kg	1	✱	6010C	Total/NA
Chromium	13		1.2	0.61	mg/Kg	1	✱	6010C	Total/NA
Lead	5.5		0.62	0.29	mg/Kg	1	✱	6010C	Total/NA
Silver	0.18	J	0.62	0.16	mg/Kg	1	✱	6010C	Total/NA
Mercury	0.0097	J	0.020	0.0067	mg/Kg	1	✱	7471B	Total/NA

Client Sample ID: B11 (2-4)

Lab Sample ID: 500-211019-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	2.9		1.0	0.35	mg/Kg	1	✱	6010C	Total/NA
Barium	87		1.0	0.12	mg/Kg	1	✱	6010C	Total/NA
Cadmium	0.096	J B	0.21	0.037	mg/Kg	1	✱	6010C	Total/NA
Chromium	24		1.0	0.51	mg/Kg	1	✱	6010C	Total/NA
Lead	7.2		0.51	0.24	mg/Kg	1	✱	6010C	Total/NA
Silver	0.51		0.51	0.13	mg/Kg	1	✱	6010C	Total/NA
Mercury	0.019	J	0.020	0.0065	mg/Kg	1	✱	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

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Method Summary

Client: Stantec Consulting Corp.

Job ID: 500-211019-1

Project/Site: East Mason Finger Road Parcels - 193708667

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL CHI
6010C	Metals (ICP)	SW846	TAL CHI
7471B	Mercury (CVAA)	SW846	TAL CHI
Moisture	Percent Moisture	EPA	TAL CHI
3050B	Preparation, Metals	SW846	TAL CHI
3541	Automated Soxhlet Extraction	SW846	TAL CHI
5030B	Purge and Trap	SW846	TAL CHI
5035	Closed System Purge and Trap	SW846	TAL CHI
7471B	Preparation, Mercury	SW846	TAL CHI

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: Stantec Consulting Corp.

Job ID: 500-211019-1

Project/Site: East Mason Finger Road Parcels - 193708667

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-211019-1	B1 (0-2)	Solid	01/14/22 09:25	01/15/22 10:50
500-211019-2	B2 (0-2)	Solid	01/14/22 09:55	01/15/22 10:50
500-211019-3	B3 (2-4)	Solid	01/14/22 10:25	01/15/22 10:50
500-211019-4	B4 (2-4)	Solid	01/14/22 11:05	01/15/22 10:50
500-211019-5	B5 (0-2)	Solid	01/14/22 11:35	01/15/22 10:50
500-211019-6	B6 (2-4)	Solid	01/14/22 11:45	01/15/22 10:50
500-211019-7	B7 (2-4)	Solid	01/14/22 12:00	01/15/22 10:50
500-211019-8	B8 (2-4)	Solid	01/14/22 12:30	01/15/22 10:50
500-211019-9	B9 (2-4)	Solid	01/14/22 12:40	01/15/22 10:50
500-211019-10	B10 (2-4)	Solid	01/14/22 12:45	01/15/22 10:50
500-211019-11	B11 (2-4)	Solid	01/14/22 13:15	01/15/22 10:50

Client Sample Results

Client: Stantec Consulting Corp.
Project/Site: East Mason Finger Road Parcels - 193708667

Job ID: 500-211019-1

Client Sample ID: B1 (0-2)

Lab Sample ID: 500-211019-1

Date Collected: 01/14/22 09:25

Matrix: Solid

Date Received: 01/15/22 10:50

Percent Solids: 83.7

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<32		70	32	ug/Kg	☆	01/16/22 20:08	01/24/22 16:53	50
1,1,1-Trichloroethane	<26		70	26	ug/Kg	☆	01/16/22 20:08	01/24/22 16:53	50
1,1,2,2-Tetrachloroethane	<28		70	28	ug/Kg	☆	01/16/22 20:08	01/24/22 16:53	50
1,1,2-Trichloroethane	<24		70	24	ug/Kg	☆	01/16/22 20:08	01/24/22 16:53	50
1,1-Dichloroethane	<29	+	70	29	ug/Kg	☆	01/16/22 20:08	01/24/22 16:53	50
1,1-Dichloroethene	<27		70	27	ug/Kg	☆	01/16/22 20:08	01/24/22 16:53	50
1,1-Dichloropropene	<21		70	21	ug/Kg	☆	01/16/22 20:08	01/24/22 16:53	50
1,2,3-Trichlorobenzene	<32		70	32	ug/Kg	☆	01/16/22 20:08	01/24/22 16:53	50
1,2,3-Trichloropropane	<29		140	29	ug/Kg	☆	01/16/22 20:08	01/24/22 16:53	50
1,2,4-Trichlorobenzene	<24		70	24	ug/Kg	☆	01/16/22 20:08	01/24/22 16:53	50
1,2,4-Trimethylbenzene	<25		70	25	ug/Kg	☆	01/16/22 20:08	01/24/22 16:53	50
1,2-Dibromo-3-Chloropropane	<140		350	140	ug/Kg	☆	01/16/22 20:08	01/24/22 16:53	50
1,2-Dibromoethane	<27		70	27	ug/Kg	☆	01/16/22 20:08	01/24/22 16:53	50
1,2-Dichlorobenzene	<23		70	23	ug/Kg	☆	01/16/22 20:08	01/24/22 16:53	50
1,2-Dichloroethane	<27		70	27	ug/Kg	☆	01/16/22 20:08	01/24/22 16:53	50
1,2-Dichloropropane	<30		70	30	ug/Kg	☆	01/16/22 20:08	01/24/22 16:53	50
1,3,5-Trimethylbenzene	<26		70	26	ug/Kg	☆	01/16/22 20:08	01/24/22 16:53	50
1,3-Dichlorobenzene	<28		70	28	ug/Kg	☆	01/16/22 20:08	01/24/22 16:53	50
1,3-Dichloropropane	<25		70	25	ug/Kg	☆	01/16/22 20:08	01/24/22 16:53	50
1,4-Dichlorobenzene	<25		70	25	ug/Kg	☆	01/16/22 20:08	01/24/22 16:53	50
2,2-Dichloropropane	<31	+	70	31	ug/Kg	☆	01/16/22 20:08	01/24/22 16:53	50
2-Chlorotoluene	<22		70	22	ug/Kg	☆	01/16/22 20:08	01/24/22 16:53	50
4-Chlorotoluene	<24		70	24	ug/Kg	☆	01/16/22 20:08	01/24/22 16:53	50
Benzene	<10		17	10	ug/Kg	☆	01/16/22 20:08	01/24/22 16:53	50
Bromobenzene	<25		70	25	ug/Kg	☆	01/16/22 20:08	01/24/22 16:53	50
Bromochloromethane	<30		70	30	ug/Kg	☆	01/16/22 20:08	01/24/22 16:53	50
Bromodichloromethane	<26		70	26	ug/Kg	☆	01/16/22 20:08	01/24/22 16:53	50
Bromoform	<34		70	34	ug/Kg	☆	01/16/22 20:08	01/24/22 16:53	50
Bromomethane	<55		210	55	ug/Kg	☆	01/16/22 20:08	01/24/22 16:53	50
Carbon tetrachloride	<27		70	27	ug/Kg	☆	01/16/22 20:08	01/24/22 16:53	50
Chlorobenzene	<27		70	27	ug/Kg	☆	01/16/22 20:08	01/24/22 16:53	50
Chloroethane	<35		70	35	ug/Kg	☆	01/16/22 20:08	01/24/22 16:53	50
Chloroform	<26		140	26	ug/Kg	☆	01/16/22 20:08	01/24/22 16:53	50
Chloromethane	<22		70	22	ug/Kg	☆	01/16/22 20:08	01/24/22 16:53	50
cis-1,2-Dichloroethene	<28		70	28	ug/Kg	☆	01/16/22 20:08	01/24/22 16:53	50
cis-1,3-Dichloropropene	<29		70	29	ug/Kg	☆	01/16/22 20:08	01/24/22 16:53	50
Dibromochloromethane	<34		70	34	ug/Kg	☆	01/16/22 20:08	01/24/22 16:53	50
Dibromomethane	<19		70	19	ug/Kg	☆	01/16/22 20:08	01/24/22 16:53	50
Dichlorodifluoromethane	<47		210	47	ug/Kg	☆	01/16/22 20:08	01/24/22 16:53	50
Ethylbenzene	<13		17	13	ug/Kg	☆	01/16/22 20:08	01/24/22 16:53	50
Hexachlorobutadiene	<31		70	31	ug/Kg	☆	01/16/22 20:08	01/24/22 16:53	50
Isopropyl ether	<19		70	19	ug/Kg	☆	01/16/22 20:08	01/24/22 16:53	50
Isopropylbenzene	<27	+	70	27	ug/Kg	☆	01/16/22 20:08	01/24/22 16:53	50
Methyl tert-butyl ether	<27		70	27	ug/Kg	☆	01/16/22 20:08	01/24/22 16:53	50
Methylene Chloride	<110		350	110	ug/Kg	☆	01/16/22 20:08	01/24/22 16:53	50
Naphthalene	<23		70	23	ug/Kg	☆	01/16/22 20:08	01/24/22 16:53	50
n-Butylbenzene	<27		70	27	ug/Kg	☆	01/16/22 20:08	01/24/22 16:53	50
N-Propylbenzene	<29		70	29	ug/Kg	☆	01/16/22 20:08	01/24/22 16:53	50
p-Isopropyltoluene	<25		70	25	ug/Kg	☆	01/16/22 20:08	01/24/22 16:53	50

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Client Sample Results

Client: Stantec Consulting Corp.
Project/Site: East Mason Finger Road Parcels - 193708667

Job ID: 500-211019-1

Client Sample ID: B1 (0-2)

Lab Sample ID: 500-211019-1

Date Collected: 01/14/22 09:25

Matrix: Solid

Date Received: 01/15/22 10:50

Percent Solids: 83.7

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<28		70	28	ug/Kg	☆	01/16/22 20:08	01/24/22 16:53	50
Styrene	<27		70	27	ug/Kg	☆	01/16/22 20:08	01/24/22 16:53	50
tert-Butylbenzene	<28		70	28	ug/Kg	☆	01/16/22 20:08	01/24/22 16:53	50
Tetrachloroethene	<26		70	26	ug/Kg	☆	01/16/22 20:08	01/24/22 16:53	50
Toluene	<10		17	10	ug/Kg	☆	01/16/22 20:08	01/24/22 16:53	50
trans-1,2-Dichloroethene	<24		70	24	ug/Kg	☆	01/16/22 20:08	01/24/22 16:53	50
trans-1,3-Dichloropropene	<25		70	25	ug/Kg	☆	01/16/22 20:08	01/24/22 16:53	50
Trichloroethene	<11		35	11	ug/Kg	☆	01/16/22 20:08	01/24/22 16:53	50
Trichlorofluoromethane	<30		70	30	ug/Kg	☆	01/16/22 20:08	01/24/22 16:53	50
Vinyl chloride	<18		70	18	ug/Kg	☆	01/16/22 20:08	01/24/22 16:53	50
Xylenes, Total	<15		35	15	ug/Kg	☆	01/16/22 20:08	01/24/22 16:53	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	120		75 - 126	01/16/22 20:08	01/24/22 16:53	50
Toluene-d8 (Surr)	112		75 - 120	01/16/22 20:08	01/24/22 16:53	50
4-Bromofluorobenzene (Surr)	87		72 - 124	01/16/22 20:08	01/24/22 16:53	50
Dibromofluoromethane (Surr)	94		75 - 120	01/16/22 20:08	01/24/22 16:53	50

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<9.4		78	9.4	ug/Kg	☆	01/27/22 07:01	01/28/22 10:55	1
2-Methylnaphthalene	<7.1		78	7.1	ug/Kg	☆	01/27/22 07:01	01/28/22 10:55	1
Acenaphthene	<6.9		38	6.9	ug/Kg	☆	01/27/22 07:01	01/28/22 10:55	1
Acenaphthylene	<5.1		38	5.1	ug/Kg	☆	01/27/22 07:01	01/28/22 10:55	1
Anthracene	<6.4		38	6.4	ug/Kg	☆	01/27/22 07:01	01/28/22 10:55	1
Benzo[a]anthracene	<5.2		38	5.2	ug/Kg	☆	01/27/22 07:01	01/28/22 10:55	1
Benzo[a]pyrene	9.1	J	38	7.4	ug/Kg	☆	01/27/22 07:01	01/28/22 10:55	1
Benzo[b]fluoranthene	12	J	38	8.3	ug/Kg	☆	01/27/22 07:01	01/28/22 10:55	1
Benzo[g,h,i]perylene	<12		38	12	ug/Kg	☆	01/27/22 07:01	01/28/22 10:55	1
Benzo[k]fluoranthene	<11		38	11	ug/Kg	☆	01/27/22 07:01	01/28/22 10:55	1
Chrysene	11	J	38	10	ug/Kg	☆	01/27/22 07:01	01/28/22 10:55	1
Dibenz(a,h)anthracene	<7.4		38	7.4	ug/Kg	☆	01/27/22 07:01	01/28/22 10:55	1
Fluoranthene	17	J	38	7.1	ug/Kg	☆	01/27/22 07:01	01/28/22 10:55	1
Fluorene	<5.4		38	5.4	ug/Kg	☆	01/27/22 07:01	01/28/22 10:55	1
Indeno[1,2,3-cd]pyrene	<10		38	10	ug/Kg	☆	01/27/22 07:01	01/28/22 10:55	1
Naphthalene	<5.9		38	5.9	ug/Kg	☆	01/27/22 07:01	01/28/22 10:55	1
Phenanthrene	<5.4		38	5.4	ug/Kg	☆	01/27/22 07:01	01/28/22 10:55	1
Pyrene	17	J	38	7.6	ug/Kg	☆	01/27/22 07:01	01/28/22 10:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	93		43 - 145	01/27/22 07:01	01/28/22 10:55	1
Nitrobenzene-d5 (Surr)	80		37 - 147	01/27/22 07:01	01/28/22 10:55	1
Terphenyl-d14 (Surr)	87		42 - 157	01/27/22 07:01	01/28/22 10:55	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	10		0.50	0.23	mg/Kg	☆	01/29/22 09:47	01/31/22 11:31	1

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Client Sample Results

Client: Stantec Consulting Corp.
Project/Site: East Mason Finger Road Parcels - 193708667

Job ID: 500-211019-1

Client Sample ID: B2 (0-2)

Lab Sample ID: 500-211019-2

Date Collected: 01/14/22 09:55

Matrix: Solid

Date Received: 01/15/22 10:50

Percent Solids: 83.1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<32		70	32	ug/Kg	☆	01/14/22 09:55	01/19/22 19:40	50
1,1,1-Trichloroethane	<26		70	26	ug/Kg	☆	01/14/22 09:55	01/19/22 19:40	50
1,1,2,2-Tetrachloroethane	<28		70	28	ug/Kg	☆	01/14/22 09:55	01/19/22 19:40	50
1,1,2-Trichloroethane	<25		70	25	ug/Kg	☆	01/14/22 09:55	01/19/22 19:40	50
1,1-Dichloroethane	<29	+	70	29	ug/Kg	☆	01/14/22 09:55	01/19/22 19:40	50
1,1-Dichloroethene	<27		70	27	ug/Kg	☆	01/14/22 09:55	01/19/22 19:40	50
1,1-Dichloropropene	<21		70	21	ug/Kg	☆	01/14/22 09:55	01/19/22 19:40	50
1,2,3-Trichlorobenzene	<32		70	32	ug/Kg	☆	01/14/22 09:55	01/19/22 19:40	50
1,2,3-Trichloropropane	<29		140	29	ug/Kg	☆	01/14/22 09:55	01/19/22 19:40	50
1,2,4-Trichlorobenzene	<24		70	24	ug/Kg	☆	01/14/22 09:55	01/19/22 19:40	50
1,2,4-Trimethylbenzene	<25		70	25	ug/Kg	☆	01/14/22 09:55	01/19/22 19:40	50
1,2-Dibromo-3-Chloropropane	<140		350	140	ug/Kg	☆	01/14/22 09:55	01/19/22 19:40	50
1,2-Dibromoethane	<27		70	27	ug/Kg	☆	01/14/22 09:55	01/19/22 19:40	50
1,2-Dichlorobenzene	<23		70	23	ug/Kg	☆	01/14/22 09:55	01/19/22 19:40	50
1,2-Dichloroethane	<27		70	27	ug/Kg	☆	01/14/22 09:55	01/19/22 19:40	50
1,2-Dichloropropane	<30		70	30	ug/Kg	☆	01/14/22 09:55	01/19/22 19:40	50
1,3,5-Trimethylbenzene	<26		70	26	ug/Kg	☆	01/14/22 09:55	01/19/22 19:40	50
1,3-Dichlorobenzene	<28		70	28	ug/Kg	☆	01/14/22 09:55	01/19/22 19:40	50
1,3-Dichloropropane	<25		70	25	ug/Kg	☆	01/14/22 09:55	01/19/22 19:40	50
1,4-Dichlorobenzene	<25		70	25	ug/Kg	☆	01/14/22 09:55	01/19/22 19:40	50
2,2-Dichloropropane	<31		70	31	ug/Kg	☆	01/14/22 09:55	01/19/22 19:40	50
2-Chlorotoluene	<22		70	22	ug/Kg	☆	01/14/22 09:55	01/19/22 19:40	50
4-Chlorotoluene	<24		70	24	ug/Kg	☆	01/14/22 09:55	01/19/22 19:40	50
Benzene	<10		17	10	ug/Kg	☆	01/14/22 09:55	01/19/22 19:40	50
Bromobenzene	<25		70	25	ug/Kg	☆	01/14/22 09:55	01/19/22 19:40	50
Bromochloromethane	<30		70	30	ug/Kg	☆	01/14/22 09:55	01/19/22 19:40	50
Bromodichloromethane	<26		70	26	ug/Kg	☆	01/14/22 09:55	01/19/22 19:40	50
Bromoform	<34		70	34	ug/Kg	☆	01/14/22 09:55	01/19/22 19:40	50
Bromomethane	<55		210	55	ug/Kg	☆	01/14/22 09:55	01/19/22 19:40	50
Carbon tetrachloride	<27		70	27	ug/Kg	☆	01/14/22 09:55	01/19/22 19:40	50
Chlorobenzene	<27		70	27	ug/Kg	☆	01/14/22 09:55	01/19/22 19:40	50
Chloroethane	<35		70	35	ug/Kg	☆	01/14/22 09:55	01/19/22 19:40	50
Chloroform	<26		140	26	ug/Kg	☆	01/14/22 09:55	01/19/22 19:40	50
Chloromethane	<22	F1 +	70	22	ug/Kg	☆	01/14/22 09:55	01/19/22 19:40	50
cis-1,2-Dichloroethene	<28		70	28	ug/Kg	☆	01/14/22 09:55	01/19/22 19:40	50
cis-1,3-Dichloropropene	<29		70	29	ug/Kg	☆	01/14/22 09:55	01/19/22 19:40	50
Dibromochloromethane	<34		70	34	ug/Kg	☆	01/14/22 09:55	01/19/22 19:40	50
Dibromomethane	<19		70	19	ug/Kg	☆	01/14/22 09:55	01/19/22 19:40	50
Dichlorodifluoromethane	<47		210	47	ug/Kg	☆	01/14/22 09:55	01/19/22 19:40	50
Ethylbenzene	<13		17	13	ug/Kg	☆	01/14/22 09:55	01/19/22 19:40	50
Hexachlorobutadiene	<31		70	31	ug/Kg	☆	01/14/22 09:55	01/19/22 19:40	50
Isopropyl ether	<19		70	19	ug/Kg	☆	01/14/22 09:55	01/19/22 19:40	50
Isopropylbenzene	<27		70	27	ug/Kg	☆	01/14/22 09:55	01/19/22 19:40	50
Methyl tert-butyl ether	<27		70	27	ug/Kg	☆	01/14/22 09:55	01/19/22 19:40	50
Methylene Chloride	<110		350	110	ug/Kg	☆	01/14/22 09:55	01/19/22 19:40	50
Naphthalene	<23		70	23	ug/Kg	☆	01/14/22 09:55	01/19/22 19:40	50
n-Butylbenzene	<27		70	27	ug/Kg	☆	01/14/22 09:55	01/19/22 19:40	50
N-Propylbenzene	<29		70	29	ug/Kg	☆	01/14/22 09:55	01/19/22 19:40	50
p-Isopropyltoluene	<25		70	25	ug/Kg	☆	01/14/22 09:55	01/19/22 19:40	50

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Client Sample Results

Client: Stantec Consulting Corp.
Project/Site: East Mason Finger Road Parcels - 193708667

Job ID: 500-211019-1

Client Sample ID: B2 (0-2)

Lab Sample ID: 500-211019-2

Date Collected: 01/14/22 09:55

Matrix: Solid

Date Received: 01/15/22 10:50

Percent Solids: 83.1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<28		70	28	ug/Kg	☆	01/14/22 09:55	01/19/22 19:40	50
Styrene	<27		70	27	ug/Kg	☆	01/14/22 09:55	01/19/22 19:40	50
tert-Butylbenzene	<28		70	28	ug/Kg	☆	01/14/22 09:55	01/19/22 19:40	50
Tetrachloroethene	<26		70	26	ug/Kg	☆	01/14/22 09:55	01/19/22 19:40	50
Toluene	<10		17	10	ug/Kg	☆	01/14/22 09:55	01/19/22 19:40	50
trans-1,2-Dichloroethene	<24		70	24	ug/Kg	☆	01/14/22 09:55	01/19/22 19:40	50
trans-1,3-Dichloropropene	<25		70	25	ug/Kg	☆	01/14/22 09:55	01/19/22 19:40	50
Trichloroethene	<11		35	11	ug/Kg	☆	01/14/22 09:55	01/19/22 19:40	50
Trichlorofluoromethane	<30		70	30	ug/Kg	☆	01/14/22 09:55	01/19/22 19:40	50
Vinyl chloride	<18	F1 *+	70	18	ug/Kg	☆	01/14/22 09:55	01/19/22 19:40	50
Xylenes, Total	<15		35	15	ug/Kg	☆	01/14/22 09:55	01/19/22 19:40	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	113		75 - 126	01/14/22 09:55	01/19/22 19:40	50
4-Bromofluorobenzene (Surr)	98		72 - 124	01/14/22 09:55	01/19/22 19:40	50
Dibromofluoromethane (Surr)	103		75 - 120	01/14/22 09:55	01/19/22 19:40	50
Toluene-d8 (Surr)	98		75 - 120	01/14/22 09:55	01/19/22 19:40	50

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<9.4		78	9.4	ug/Kg	☆	01/27/22 07:01	01/28/22 11:20	1
2-Methylnaphthalene	<7.1		78	7.1	ug/Kg	☆	01/27/22 07:01	01/28/22 11:20	1
Acenaphthene	<7.0		38	7.0	ug/Kg	☆	01/27/22 07:01	01/28/22 11:20	1
Acenaphthylene	<5.1		38	5.1	ug/Kg	☆	01/27/22 07:01	01/28/22 11:20	1
Anthracene	<6.5		38	6.5	ug/Kg	☆	01/27/22 07:01	01/28/22 11:20	1
Benzo[a]anthracene	8.2	J	38	5.2	ug/Kg	☆	01/27/22 07:01	01/28/22 11:20	1
Benzo[a]pyrene	9.1	J	38	7.5	ug/Kg	☆	01/27/22 07:01	01/28/22 11:20	1
Benzo[b]fluoranthene	11	J	38	8.4	ug/Kg	☆	01/27/22 07:01	01/28/22 11:20	1
Benzo[g,h,i]perylene	<12		38	12	ug/Kg	☆	01/27/22 07:01	01/28/22 11:20	1
Benzo[k]fluoranthene	<11		38	11	ug/Kg	☆	01/27/22 07:01	01/28/22 11:20	1
Chrysene	<11		38	11	ug/Kg	☆	01/27/22 07:01	01/28/22 11:20	1
Dibenz(a,h)anthracene	<7.5		38	7.5	ug/Kg	☆	01/27/22 07:01	01/28/22 11:20	1
Fluoranthene	17	J	38	7.2	ug/Kg	☆	01/27/22 07:01	01/28/22 11:20	1
Fluorene	<5.4		38	5.4	ug/Kg	☆	01/27/22 07:01	01/28/22 11:20	1
Indeno[1,2,3-cd]pyrene	<10		38	10	ug/Kg	☆	01/27/22 07:01	01/28/22 11:20	1
Naphthalene	<6.0		38	6.0	ug/Kg	☆	01/27/22 07:01	01/28/22 11:20	1
Phenanthrene	<5.4		38	5.4	ug/Kg	☆	01/27/22 07:01	01/28/22 11:20	1
Pyrene	14	J	38	7.7	ug/Kg	☆	01/27/22 07:01	01/28/22 11:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	94		43 - 145	01/27/22 07:01	01/28/22 11:20	1
Nitrobenzene-d5 (Surr)	79		37 - 147	01/27/22 07:01	01/28/22 11:20	1
Terphenyl-d14 (Surr)	84		42 - 157	01/27/22 07:01	01/28/22 11:20	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	42		0.55	0.26	mg/Kg	☆	01/29/22 09:47	01/31/22 11:34	1

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Client Sample Results

Client: Stantec Consulting Corp.
Project/Site: East Mason Finger Road Parcels - 193708667

Job ID: 500-211019-1

Client Sample ID: B3 (2-4)

Lab Sample ID: 500-211019-3

Date Collected: 01/14/22 10:25

Matrix: Solid

Date Received: 01/15/22 10:50

Percent Solids: 90.8

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<28		60	28	ug/Kg	☆	01/14/22 10:25	01/19/22 20:04	50
1,1,1-Trichloroethane	<23		60	23	ug/Kg	☆	01/14/22 10:25	01/19/22 20:04	50
1,1,2,2-Tetrachloroethane	<24		60	24	ug/Kg	☆	01/14/22 10:25	01/19/22 20:04	50
1,1,2-Trichloroethane	<21		60	21	ug/Kg	☆	01/14/22 10:25	01/19/22 20:04	50
1,1-Dichloroethane	<25	+	60	25	ug/Kg	☆	01/14/22 10:25	01/19/22 20:04	50
1,1-Dichloroethene	<23		60	23	ug/Kg	☆	01/14/22 10:25	01/19/22 20:04	50
1,1-Dichloropropene	<18		60	18	ug/Kg	☆	01/14/22 10:25	01/19/22 20:04	50
1,2,3-Trichlorobenzene	<27		60	27	ug/Kg	☆	01/14/22 10:25	01/19/22 20:04	50
1,2,3-Trichloropropane	<25		120	25	ug/Kg	☆	01/14/22 10:25	01/19/22 20:04	50
1,2,4-Trichlorobenzene	<20		60	20	ug/Kg	☆	01/14/22 10:25	01/19/22 20:04	50
1,2,4-Trimethylbenzene	<21		60	21	ug/Kg	☆	01/14/22 10:25	01/19/22 20:04	50
1,2-Dibromo-3-Chloropropane	<120		300	120	ug/Kg	☆	01/14/22 10:25	01/19/22 20:04	50
1,2-Dibromoethane	<23		60	23	ug/Kg	☆	01/14/22 10:25	01/19/22 20:04	50
1,2-Dichlorobenzene	<20		60	20	ug/Kg	☆	01/14/22 10:25	01/19/22 20:04	50
1,2-Dichloroethane	<23		60	23	ug/Kg	☆	01/14/22 10:25	01/19/22 20:04	50
1,2-Dichloropropane	<26		60	26	ug/Kg	☆	01/14/22 10:25	01/19/22 20:04	50
1,3,5-Trimethylbenzene	<23		60	23	ug/Kg	☆	01/14/22 10:25	01/19/22 20:04	50
1,3-Dichlorobenzene	<24		60	24	ug/Kg	☆	01/14/22 10:25	01/19/22 20:04	50
1,3-Dichloropropane	<22		60	22	ug/Kg	☆	01/14/22 10:25	01/19/22 20:04	50
1,4-Dichlorobenzene	<22		60	22	ug/Kg	☆	01/14/22 10:25	01/19/22 20:04	50
2,2-Dichloropropane	<27		60	27	ug/Kg	☆	01/14/22 10:25	01/19/22 20:04	50
2-Chlorotoluene	<19		60	19	ug/Kg	☆	01/14/22 10:25	01/19/22 20:04	50
4-Chlorotoluene	<21		60	21	ug/Kg	☆	01/14/22 10:25	01/19/22 20:04	50
Benzene	<8.7		15	8.7	ug/Kg	☆	01/14/22 10:25	01/19/22 20:04	50
Bromobenzene	<21		60	21	ug/Kg	☆	01/14/22 10:25	01/19/22 20:04	50
Bromochloromethane	<26		60	26	ug/Kg	☆	01/14/22 10:25	01/19/22 20:04	50
Bromodichloromethane	<22		60	22	ug/Kg	☆	01/14/22 10:25	01/19/22 20:04	50
Bromoform	<29		60	29	ug/Kg	☆	01/14/22 10:25	01/19/22 20:04	50
Bromomethane	<48		180	48	ug/Kg	☆	01/14/22 10:25	01/19/22 20:04	50
Carbon tetrachloride	<23		60	23	ug/Kg	☆	01/14/22 10:25	01/19/22 20:04	50
Chlorobenzene	<23		60	23	ug/Kg	☆	01/14/22 10:25	01/19/22 20:04	50
Chloroethane	<30		60	30	ug/Kg	☆	01/14/22 10:25	01/19/22 20:04	50
Chloroform	<22		120	22	ug/Kg	☆	01/14/22 10:25	01/19/22 20:04	50
Chloromethane	<19	+	60	19	ug/Kg	☆	01/14/22 10:25	01/19/22 20:04	50
cis-1,2-Dichloroethene	<24		60	24	ug/Kg	☆	01/14/22 10:25	01/19/22 20:04	50
cis-1,3-Dichloropropene	<25		60	25	ug/Kg	☆	01/14/22 10:25	01/19/22 20:04	50
Dibromochloromethane	<29		60	29	ug/Kg	☆	01/14/22 10:25	01/19/22 20:04	50
Dibromomethane	<16		60	16	ug/Kg	☆	01/14/22 10:25	01/19/22 20:04	50
Dichlorodifluoromethane	<40		180	40	ug/Kg	☆	01/14/22 10:25	01/19/22 20:04	50
Ethylbenzene	<11		15	11	ug/Kg	☆	01/14/22 10:25	01/19/22 20:04	50
Hexachlorobutadiene	<27		60	27	ug/Kg	☆	01/14/22 10:25	01/19/22 20:04	50
Isopropyl ether	<17		60	17	ug/Kg	☆	01/14/22 10:25	01/19/22 20:04	50
Isopropylbenzene	<23		60	23	ug/Kg	☆	01/14/22 10:25	01/19/22 20:04	50
Methyl tert-butyl ether	<24		60	24	ug/Kg	☆	01/14/22 10:25	01/19/22 20:04	50
Methylene Chloride	<98		300	98	ug/Kg	☆	01/14/22 10:25	01/19/22 20:04	50
Naphthalene	<20		60	20	ug/Kg	☆	01/14/22 10:25	01/19/22 20:04	50
n-Butylbenzene	<23		60	23	ug/Kg	☆	01/14/22 10:25	01/19/22 20:04	50
N-Propylbenzene	<25		60	25	ug/Kg	☆	01/14/22 10:25	01/19/22 20:04	50
p-Isopropyltoluene	<22		60	22	ug/Kg	☆	01/14/22 10:25	01/19/22 20:04	50

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Client Sample Results

Client: Stantec Consulting Corp.
Project/Site: East Mason Finger Road Parcels - 193708667

Job ID: 500-211019-1

Client Sample ID: B3 (2-4)

Lab Sample ID: 500-211019-3

Date Collected: 01/14/22 10:25

Matrix: Solid

Date Received: 01/15/22 10:50

Percent Solids: 90.8

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<24		60	24	ug/Kg	✱	01/14/22 10:25	01/19/22 20:04	50
Styrene	<23		60	23	ug/Kg	✱	01/14/22 10:25	01/19/22 20:04	50
tert-Butylbenzene	<24		60	24	ug/Kg	✱	01/14/22 10:25	01/19/22 20:04	50
Tetrachloroethene	<22		60	22	ug/Kg	✱	01/14/22 10:25	01/19/22 20:04	50
Toluene	<8.8		15	8.8	ug/Kg	✱	01/14/22 10:25	01/19/22 20:04	50
trans-1,2-Dichloroethene	<21		60	21	ug/Kg	✱	01/14/22 10:25	01/19/22 20:04	50
trans-1,3-Dichloropropene	<22		60	22	ug/Kg	✱	01/14/22 10:25	01/19/22 20:04	50
Trichloroethene	<9.8		30	9.8	ug/Kg	✱	01/14/22 10:25	01/19/22 20:04	50
Trichlorofluoromethane	<26		60	26	ug/Kg	✱	01/14/22 10:25	01/19/22 20:04	50
Vinyl chloride	<16	+	60	16	ug/Kg	✱	01/14/22 10:25	01/19/22 20:04	50
Xylenes, Total	<13		30	13	ug/Kg	✱	01/14/22 10:25	01/19/22 20:04	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	113		75 - 126	01/14/22 10:25	01/19/22 20:04	50
4-Bromofluorobenzene (Surr)	99		72 - 124	01/14/22 10:25	01/19/22 20:04	50
Dibromofluoromethane (Surr)	104		75 - 120	01/14/22 10:25	01/19/22 20:04	50
Toluene-d8 (Surr)	97		75 - 120	01/14/22 10:25	01/19/22 20:04	50

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<8.7		72	8.7	ug/Kg	✱	01/27/22 07:01	01/28/22 12:32	1
2-Methylnaphthalene	<6.5		72	6.5	ug/Kg	✱	01/27/22 07:01	01/28/22 12:32	1
Acenaphthene	<6.4		35	6.4	ug/Kg	✱	01/27/22 07:01	01/28/22 12:32	1
Acenaphthylene	<4.7		35	4.7	ug/Kg	✱	01/27/22 07:01	01/28/22 12:32	1
Anthracene	<5.9		35	5.9	ug/Kg	✱	01/27/22 07:01	01/28/22 12:32	1
Benzo[a]anthracene	<4.8		35	4.8	ug/Kg	✱	01/27/22 07:01	01/28/22 12:32	1
Benzo[a]pyrene	<6.9		35	6.9	ug/Kg	✱	01/27/22 07:01	01/28/22 12:32	1
Benzo[b]fluoranthene	<7.7		35	7.7	ug/Kg	✱	01/27/22 07:01	01/28/22 12:32	1
Benzo[g,h,i]perylene	<11		35	11	ug/Kg	✱	01/27/22 07:01	01/28/22 12:32	1
Benzo[k]fluoranthene	<10		35	10	ug/Kg	✱	01/27/22 07:01	01/28/22 12:32	1
Chrysene	<9.7		35	9.7	ug/Kg	✱	01/27/22 07:01	01/28/22 12:32	1
Dibenz(a,h)anthracene	<6.9		35	6.9	ug/Kg	✱	01/27/22 07:01	01/28/22 12:32	1
Fluoranthene	<6.6		35	6.6	ug/Kg	✱	01/27/22 07:01	01/28/22 12:32	1
Fluorene	<5.0		35	5.0	ug/Kg	✱	01/27/22 07:01	01/28/22 12:32	1
Indeno[1,2,3-cd]pyrene	<9.2		35	9.2	ug/Kg	✱	01/27/22 07:01	01/28/22 12:32	1
Naphthalene	<5.5		35	5.5	ug/Kg	✱	01/27/22 07:01	01/28/22 12:32	1
Phenanthrene	<5.0		35	5.0	ug/Kg	✱	01/27/22 07:01	01/28/22 12:32	1
Pyrene	<7.1		35	7.1	ug/Kg	✱	01/27/22 07:01	01/28/22 12:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	95		43 - 145	01/27/22 07:01	01/28/22 12:32	1
Nitrobenzene-d5 (Surr)	83		37 - 147	01/27/22 07:01	01/28/22 12:32	1
Terphenyl-d14 (Surr)	85		42 - 157	01/27/22 07:01	01/28/22 12:32	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.49	J	0.95	0.32	mg/Kg	✱	01/29/22 09:47	01/31/22 11:37	1
Barium	14		0.95	0.11	mg/Kg	✱	01/29/22 09:47	01/31/22 11:37	1
Cadmium	0.15	J B	0.19	0.034	mg/Kg	✱	01/29/22 09:47	01/31/22 11:37	1
Chromium	6.8		0.95	0.47	mg/Kg	✱	01/29/22 09:47	01/31/22 11:37	1

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Client Sample Results

Client: Stantec Consulting Corp.
Project/Site: East Mason Finger Road Parcels - 193708667

Job ID: 500-211019-1

Client Sample ID: B3 (2-4)

Date Collected: 01/14/22 10:25

Date Received: 01/15/22 10:50

Lab Sample ID: 500-211019-3

Matrix: Solid

Percent Solids: 90.8

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.9		0.47	0.22	mg/Kg	✱	01/29/22 09:47	01/31/22 11:37	1
Selenium	<0.56		0.95	0.56	mg/Kg	✱	01/29/22 09:47	01/31/22 11:37	1
Silver	0.13	J	0.47	0.12	mg/Kg	✱	01/29/22 09:47	01/31/22 11:37	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.012	J	0.017	0.0058	mg/Kg	✱	01/26/22 15:30	01/27/22 10:25	1

Client Sample Results

Client: Stantec Consulting Corp.
Project/Site: East Mason Finger Road Parcels - 193708667

Job ID: 500-211019-1

Client Sample ID: B4 (2-4)

Lab Sample ID: 500-211019-4

Date Collected: 01/14/22 11:05

Matrix: Solid

Date Received: 01/15/22 10:50

Percent Solids: 81.8

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<33		72	33	ug/Kg	☆	01/14/22 11:05	01/19/22 20:28	50
1,1,1-Trichloroethane	<28		72	28	ug/Kg	☆	01/14/22 11:05	01/19/22 20:28	50
1,1,2,2-Tetrachloroethane	<29		72	29	ug/Kg	☆	01/14/22 11:05	01/19/22 20:28	50
1,1,2-Trichloroethane	<26		72	26	ug/Kg	☆	01/14/22 11:05	01/19/22 20:28	50
1,1-Dichloroethane	<30	+	72	30	ug/Kg	☆	01/14/22 11:05	01/19/22 20:28	50
1,1-Dichloroethene	<28		72	28	ug/Kg	☆	01/14/22 11:05	01/19/22 20:28	50
1,1-Dichloropropene	<22		72	22	ug/Kg	☆	01/14/22 11:05	01/19/22 20:28	50
1,2,3-Trichlorobenzene	<33		72	33	ug/Kg	☆	01/14/22 11:05	01/19/22 20:28	50
1,2,3-Trichloropropane	<30		140	30	ug/Kg	☆	01/14/22 11:05	01/19/22 20:28	50
1,2,4-Trichlorobenzene	<25		72	25	ug/Kg	☆	01/14/22 11:05	01/19/22 20:28	50
1,2,4-Trimethylbenzene	<26		72	26	ug/Kg	☆	01/14/22 11:05	01/19/22 20:28	50
1,2-Dibromo-3-Chloropropane	<140		360	140	ug/Kg	☆	01/14/22 11:05	01/19/22 20:28	50
1,2-Dibromoethane	<28		72	28	ug/Kg	☆	01/14/22 11:05	01/19/22 20:28	50
1,2-Dichlorobenzene	<24		72	24	ug/Kg	☆	01/14/22 11:05	01/19/22 20:28	50
1,2-Dichloroethane	<28		72	28	ug/Kg	☆	01/14/22 11:05	01/19/22 20:28	50
1,2-Dichloropropane	<31		72	31	ug/Kg	☆	01/14/22 11:05	01/19/22 20:28	50
1,3,5-Trimethylbenzene	<28		72	28	ug/Kg	☆	01/14/22 11:05	01/19/22 20:28	50
1,3-Dichlorobenzene	<29		72	29	ug/Kg	☆	01/14/22 11:05	01/19/22 20:28	50
1,3-Dichloropropane	<26		72	26	ug/Kg	☆	01/14/22 11:05	01/19/22 20:28	50
1,4-Dichlorobenzene	<26		72	26	ug/Kg	☆	01/14/22 11:05	01/19/22 20:28	50
2,2-Dichloropropane	<32		72	32	ug/Kg	☆	01/14/22 11:05	01/19/22 20:28	50
2-Chlorotoluene	<23		72	23	ug/Kg	☆	01/14/22 11:05	01/19/22 20:28	50
4-Chlorotoluene	<25		72	25	ug/Kg	☆	01/14/22 11:05	01/19/22 20:28	50
Benzene	<11		18	11	ug/Kg	☆	01/14/22 11:05	01/19/22 20:28	50
Bromobenzene	<26		72	26	ug/Kg	☆	01/14/22 11:05	01/19/22 20:28	50
Bromochloromethane	<31		72	31	ug/Kg	☆	01/14/22 11:05	01/19/22 20:28	50
Bromodichloromethane	<27		72	27	ug/Kg	☆	01/14/22 11:05	01/19/22 20:28	50
Bromoform	<35		72	35	ug/Kg	☆	01/14/22 11:05	01/19/22 20:28	50
Bromomethane	<58		220	58	ug/Kg	☆	01/14/22 11:05	01/19/22 20:28	50
Carbon tetrachloride	<28		72	28	ug/Kg	☆	01/14/22 11:05	01/19/22 20:28	50
Chlorobenzene	<28		72	28	ug/Kg	☆	01/14/22 11:05	01/19/22 20:28	50
Chloroethane	<37		72	37	ug/Kg	☆	01/14/22 11:05	01/19/22 20:28	50
Chloroform	<27		140	27	ug/Kg	☆	01/14/22 11:05	01/19/22 20:28	50
Chloromethane	<23	+	72	23	ug/Kg	☆	01/14/22 11:05	01/19/22 20:28	50
cis-1,2-Dichloroethene	<30		72	30	ug/Kg	☆	01/14/22 11:05	01/19/22 20:28	50
cis-1,3-Dichloropropene	<30		72	30	ug/Kg	☆	01/14/22 11:05	01/19/22 20:28	50
Dibromochloromethane	<35		72	35	ug/Kg	☆	01/14/22 11:05	01/19/22 20:28	50
Dibromomethane	<20		72	20	ug/Kg	☆	01/14/22 11:05	01/19/22 20:28	50
Dichlorodifluoromethane	<49		220	49	ug/Kg	☆	01/14/22 11:05	01/19/22 20:28	50
Ethylbenzene	<13		18	13	ug/Kg	☆	01/14/22 11:05	01/19/22 20:28	50
Hexachlorobutadiene	<32		72	32	ug/Kg	☆	01/14/22 11:05	01/19/22 20:28	50
Isopropyl ether	<20		72	20	ug/Kg	☆	01/14/22 11:05	01/19/22 20:28	50
Isopropylbenzene	<28		72	28	ug/Kg	☆	01/14/22 11:05	01/19/22 20:28	50
Methyl tert-butyl ether	<29		72	29	ug/Kg	☆	01/14/22 11:05	01/19/22 20:28	50
Methylene Chloride	<120		360	120	ug/Kg	☆	01/14/22 11:05	01/19/22 20:28	50
Naphthalene	<24		72	24	ug/Kg	☆	01/14/22 11:05	01/19/22 20:28	50
n-Butylbenzene	<28		72	28	ug/Kg	☆	01/14/22 11:05	01/19/22 20:28	50
N-Propylbenzene	<30		72	30	ug/Kg	☆	01/14/22 11:05	01/19/22 20:28	50
p-Isopropyltoluene	<26		72	26	ug/Kg	☆	01/14/22 11:05	01/19/22 20:28	50

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Client Sample Results

Client: Stantec Consulting Corp.
Project/Site: East Mason Finger Road Parcels - 193708667

Job ID: 500-211019-1

Client Sample ID: B4 (2-4)

Lab Sample ID: 500-211019-4

Date Collected: 01/14/22 11:05

Matrix: Solid

Date Received: 01/15/22 10:50

Percent Solids: 81.8

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<29		72	29	ug/Kg	✱	01/14/22 11:05	01/19/22 20:28	50
Styrene	<28		72	28	ug/Kg	✱	01/14/22 11:05	01/19/22 20:28	50
tert-Butylbenzene	<29		72	29	ug/Kg	✱	01/14/22 11:05	01/19/22 20:28	50
Tetrachloroethene	<27		72	27	ug/Kg	✱	01/14/22 11:05	01/19/22 20:28	50
Toluene	<11		18	11	ug/Kg	✱	01/14/22 11:05	01/19/22 20:28	50
trans-1,2-Dichloroethene	<25		72	25	ug/Kg	✱	01/14/22 11:05	01/19/22 20:28	50
trans-1,3-Dichloropropene	<26		72	26	ug/Kg	✱	01/14/22 11:05	01/19/22 20:28	50
Trichloroethene	<12		36	12	ug/Kg	✱	01/14/22 11:05	01/19/22 20:28	50
Trichlorofluoromethane	<31		72	31	ug/Kg	✱	01/14/22 11:05	01/19/22 20:28	50
Vinyl chloride	<19	+	72	19	ug/Kg	✱	01/14/22 11:05	01/19/22 20:28	50
Xylenes, Total	<16		36	16	ug/Kg	✱	01/14/22 11:05	01/19/22 20:28	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	115		75 - 126	01/14/22 11:05	01/19/22 20:28	50
4-Bromofluorobenzene (Surr)	96		72 - 124	01/14/22 11:05	01/19/22 20:28	50
Dibromofluoromethane (Surr)	107		75 - 120	01/14/22 11:05	01/19/22 20:28	50
Toluene-d8 (Surr)	98		75 - 120	01/14/22 11:05	01/19/22 20:28	50

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<9.8		81	9.8	ug/Kg	✱	01/27/22 07:01	01/28/22 12:57	1
2-Methylnaphthalene	<7.4		81	7.4	ug/Kg	✱	01/27/22 07:01	01/28/22 12:57	1
Acenaphthene	<7.2		40	7.2	ug/Kg	✱	01/27/22 07:01	01/28/22 12:57	1
Acenaphthylene	<5.3		40	5.3	ug/Kg	✱	01/27/22 07:01	01/28/22 12:57	1
Anthracene	<6.7		40	6.7	ug/Kg	✱	01/27/22 07:01	01/28/22 12:57	1
Benzo[a]anthracene	5.5	J	40	5.4	ug/Kg	✱	01/27/22 07:01	01/28/22 12:57	1
Benzo[a]pyrene	<7.8		40	7.8	ug/Kg	✱	01/27/22 07:01	01/28/22 12:57	1
Benzo[b]fluoranthene	<8.6		40	8.6	ug/Kg	✱	01/27/22 07:01	01/28/22 12:57	1
Benzo[g,h,i]perylene	<13		40	13	ug/Kg	✱	01/27/22 07:01	01/28/22 12:57	1
Benzo[k]fluoranthene	<12		40	12	ug/Kg	✱	01/27/22 07:01	01/28/22 12:57	1
Chrysene	<11		40	11	ug/Kg	✱	01/27/22 07:01	01/28/22 12:57	1
Dibenz(a,h)anthracene	<7.7		40	7.7	ug/Kg	✱	01/27/22 07:01	01/28/22 12:57	1
Fluoranthene	8.5	J	40	7.4	ug/Kg	✱	01/27/22 07:01	01/28/22 12:57	1
Fluorene	<5.6		40	5.6	ug/Kg	✱	01/27/22 07:01	01/28/22 12:57	1
Indeno[1,2,3-cd]pyrene	<10		40	10	ug/Kg	✱	01/27/22 07:01	01/28/22 12:57	1
Naphthalene	<6.2		40	6.2	ug/Kg	✱	01/27/22 07:01	01/28/22 12:57	1
Phenanthrene	<5.6		40	5.6	ug/Kg	✱	01/27/22 07:01	01/28/22 12:57	1
Pyrene	<8.0		40	8.0	ug/Kg	✱	01/27/22 07:01	01/28/22 12:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	89		43 - 145	01/27/22 07:01	01/28/22 12:57	1
Nitrobenzene-d5 (Surr)	81		37 - 147	01/27/22 07:01	01/28/22 12:57	1
Terphenyl-d14 (Surr)	85		42 - 157	01/27/22 07:01	01/28/22 12:57	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.1		1.2	0.39	mg/Kg	✱	01/29/22 09:47	01/31/22 11:40	1
Barium	71		1.2	0.13	mg/Kg	✱	01/29/22 09:47	01/31/22 11:40	1
Cadmium	0.36	B	0.23	0.042	mg/Kg	✱	01/29/22 09:47	01/31/22 11:40	1
Chromium	21		1.2	0.57	mg/Kg	✱	01/29/22 09:47	01/31/22 11:40	1

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Client Sample Results

Client: Stantec Consulting Corp.
Project/Site: East Mason Finger Road Parcels - 193708667

Job ID: 500-211019-1

Client Sample ID: B4 (2-4)

Date Collected: 01/14/22 11:05

Date Received: 01/15/22 10:50

Lab Sample ID: 500-211019-4

Matrix: Solid

Percent Solids: 81.8

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	72		0.58	0.27	mg/Kg	✱	01/29/22 09:47	01/31/22 11:40	1
Selenium	<0.68		1.2	0.68	mg/Kg	✱	01/29/22 09:47	01/31/22 11:40	1
Silver	0.38	J	0.58	0.15	mg/Kg	✱	01/29/22 09:47	01/31/22 11:40	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.11		0.019	0.0062	mg/Kg	✱	01/26/22 15:30	01/27/22 10:27	1

Client Sample Results

Client: Stantec Consulting Corp.
Project/Site: East Mason Finger Road Parcels - 193708667

Job ID: 500-211019-1

Client Sample ID: B5 (0-2)

Lab Sample ID: 500-211019-5

Date Collected: 01/14/22 11:35

Matrix: Solid

Date Received: 01/15/22 10:50

Percent Solids: 83.6

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<32		70	32	ug/Kg	☆	01/14/22 11:35	01/19/22 20:52	50
1,1,1-Trichloroethane	<27		70	27	ug/Kg	☆	01/14/22 11:35	01/19/22 20:52	50
1,1,2,2-Tetrachloroethane	<28		70	28	ug/Kg	☆	01/14/22 11:35	01/19/22 20:52	50
1,1,2-Trichloroethane	<25		70	25	ug/Kg	☆	01/14/22 11:35	01/19/22 20:52	50
1,1-Dichloroethane	<29	+	70	29	ug/Kg	☆	01/14/22 11:35	01/19/22 20:52	50
1,1-Dichloroethene	<27		70	27	ug/Kg	☆	01/14/22 11:35	01/19/22 20:52	50
1,1-Dichloropropene	<21		70	21	ug/Kg	☆	01/14/22 11:35	01/19/22 20:52	50
1,2,3-Trichlorobenzene	<32		70	32	ug/Kg	☆	01/14/22 11:35	01/19/22 20:52	50
1,2,3-Trichloropropane	<29		140	29	ug/Kg	☆	01/14/22 11:35	01/19/22 20:52	50
1,2,4-Trichlorobenzene	<24		70	24	ug/Kg	☆	01/14/22 11:35	01/19/22 20:52	50
1,2,4-Trimethylbenzene	<25		70	25	ug/Kg	☆	01/14/22 11:35	01/19/22 20:52	50
1,2-Dibromo-3-Chloropropane	<140		350	140	ug/Kg	☆	01/14/22 11:35	01/19/22 20:52	50
1,2-Dibromoethane	<27		70	27	ug/Kg	☆	01/14/22 11:35	01/19/22 20:52	50
1,2-Dichlorobenzene	<23		70	23	ug/Kg	☆	01/14/22 11:35	01/19/22 20:52	50
1,2-Dichloroethane	<28		70	28	ug/Kg	☆	01/14/22 11:35	01/19/22 20:52	50
1,2-Dichloropropane	<30		70	30	ug/Kg	☆	01/14/22 11:35	01/19/22 20:52	50
1,3,5-Trimethylbenzene	<27		70	27	ug/Kg	☆	01/14/22 11:35	01/19/22 20:52	50
1,3-Dichlorobenzene	<28		70	28	ug/Kg	☆	01/14/22 11:35	01/19/22 20:52	50
1,3-Dichloropropane	<25		70	25	ug/Kg	☆	01/14/22 11:35	01/19/22 20:52	50
1,4-Dichlorobenzene	<26		70	26	ug/Kg	☆	01/14/22 11:35	01/19/22 20:52	50
2,2-Dichloropropane	<31		70	31	ug/Kg	☆	01/14/22 11:35	01/19/22 20:52	50
2-Chlorotoluene	<22		70	22	ug/Kg	☆	01/14/22 11:35	01/19/22 20:52	50
4-Chlorotoluene	<25		70	25	ug/Kg	☆	01/14/22 11:35	01/19/22 20:52	50
Benzene	<10		18	10	ug/Kg	☆	01/14/22 11:35	01/19/22 20:52	50
Bromobenzene	<25		70	25	ug/Kg	☆	01/14/22 11:35	01/19/22 20:52	50
Bromochloromethane	<30		70	30	ug/Kg	☆	01/14/22 11:35	01/19/22 20:52	50
Bromodichloromethane	<26		70	26	ug/Kg	☆	01/14/22 11:35	01/19/22 20:52	50
Bromoform	<34		70	34	ug/Kg	☆	01/14/22 11:35	01/19/22 20:52	50
Bromomethane	<56		210	56	ug/Kg	☆	01/14/22 11:35	01/19/22 20:52	50
Carbon tetrachloride	<27		70	27	ug/Kg	☆	01/14/22 11:35	01/19/22 20:52	50
Chlorobenzene	<27		70	27	ug/Kg	☆	01/14/22 11:35	01/19/22 20:52	50
Chloroethane	<35		70	35	ug/Kg	☆	01/14/22 11:35	01/19/22 20:52	50
Chloroform	<26		140	26	ug/Kg	☆	01/14/22 11:35	01/19/22 20:52	50
Chloromethane	<22	+	70	22	ug/Kg	☆	01/14/22 11:35	01/19/22 20:52	50
cis-1,2-Dichloroethene	<29		70	29	ug/Kg	☆	01/14/22 11:35	01/19/22 20:52	50
cis-1,3-Dichloropropene	<29		70	29	ug/Kg	☆	01/14/22 11:35	01/19/22 20:52	50
Dibromochloromethane	<34		70	34	ug/Kg	☆	01/14/22 11:35	01/19/22 20:52	50
Dibromomethane	<19		70	19	ug/Kg	☆	01/14/22 11:35	01/19/22 20:52	50
Dichlorodifluoromethane	<47		210	47	ug/Kg	☆	01/14/22 11:35	01/19/22 20:52	50
Ethylbenzene	<13		18	13	ug/Kg	☆	01/14/22 11:35	01/19/22 20:52	50
Hexachlorobutadiene	<31		70	31	ug/Kg	☆	01/14/22 11:35	01/19/22 20:52	50
Isopropyl ether	<19		70	19	ug/Kg	☆	01/14/22 11:35	01/19/22 20:52	50
Isopropylbenzene	<27		70	27	ug/Kg	☆	01/14/22 11:35	01/19/22 20:52	50
Methyl tert-butyl ether	<28		70	28	ug/Kg	☆	01/14/22 11:35	01/19/22 20:52	50
Methylene Chloride	<110		350	110	ug/Kg	☆	01/14/22 11:35	01/19/22 20:52	50
Naphthalene	<23		70	23	ug/Kg	☆	01/14/22 11:35	01/19/22 20:52	50
n-Butylbenzene	<27		70	27	ug/Kg	☆	01/14/22 11:35	01/19/22 20:52	50
N-Propylbenzene	<29		70	29	ug/Kg	☆	01/14/22 11:35	01/19/22 20:52	50
p-Isopropyltoluene	<25		70	25	ug/Kg	☆	01/14/22 11:35	01/19/22 20:52	50

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Client Sample Results

Client: Stantec Consulting Corp.
Project/Site: East Mason Finger Road Parcels - 193708667

Job ID: 500-211019-1

Client Sample ID: B5 (0-2)

Lab Sample ID: 500-211019-5

Date Collected: 01/14/22 11:35

Matrix: Solid

Date Received: 01/15/22 10:50

Percent Solids: 83.6

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<28		70	28	ug/Kg	✱	01/14/22 11:35	01/19/22 20:52	50
Styrene	<27		70	27	ug/Kg	✱	01/14/22 11:35	01/19/22 20:52	50
tert-Butylbenzene	<28		70	28	ug/Kg	✱	01/14/22 11:35	01/19/22 20:52	50
Tetrachloroethene	<26		70	26	ug/Kg	✱	01/14/22 11:35	01/19/22 20:52	50
Toluene	<10		18	10	ug/Kg	✱	01/14/22 11:35	01/19/22 20:52	50
trans-1,2-Dichloroethene	<25		70	25	ug/Kg	✱	01/14/22 11:35	01/19/22 20:52	50
trans-1,3-Dichloropropene	<25		70	25	ug/Kg	✱	01/14/22 11:35	01/19/22 20:52	50
Trichloroethene	<12		35	12	ug/Kg	✱	01/14/22 11:35	01/19/22 20:52	50
Trichlorofluoromethane	<30		70	30	ug/Kg	✱	01/14/22 11:35	01/19/22 20:52	50
Vinyl chloride	<18	+	70	18	ug/Kg	✱	01/14/22 11:35	01/19/22 20:52	50
Xylenes, Total	<15		35	15	ug/Kg	✱	01/14/22 11:35	01/19/22 20:52	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	111		75 - 126	01/14/22 11:35	01/19/22 20:52	50
4-Bromofluorobenzene (Surr)	101		72 - 124	01/14/22 11:35	01/19/22 20:52	50
Dibromofluoromethane (Surr)	103		75 - 120	01/14/22 11:35	01/19/22 20:52	50
Toluene-d8 (Surr)	98		75 - 120	01/14/22 11:35	01/19/22 20:52	50

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<9.3		77	9.3	ug/Kg	✱	01/27/22 07:01	01/28/22 13:21	1
2-Methylnaphthalene	<7.0		77	7.0	ug/Kg	✱	01/27/22 07:01	01/28/22 13:21	1
Acenaphthene	<6.8		38	6.8	ug/Kg	✱	01/27/22 07:01	01/28/22 13:21	1
Acenaphthylene	14	J	38	5.0	ug/Kg	✱	01/27/22 07:01	01/28/22 13:21	1
Anthracene	8.7	J	38	6.3	ug/Kg	✱	01/27/22 07:01	01/28/22 13:21	1
Benzo[a]anthracene	38		38	5.1	ug/Kg	✱	01/27/22 07:01	01/28/22 13:21	1
Benzo[a]pyrene	42		38	7.4	ug/Kg	✱	01/27/22 07:01	01/28/22 13:21	1
Benzo[b]fluoranthene	51		38	8.2	ug/Kg	✱	01/27/22 07:01	01/28/22 13:21	1
Benzo[g,h,i]perylene	23	J	38	12	ug/Kg	✱	01/27/22 07:01	01/28/22 13:21	1
Benzo[k]fluoranthene	23	J	38	11	ug/Kg	✱	01/27/22 07:01	01/28/22 13:21	1
Chrysene	44		38	10	ug/Kg	✱	01/27/22 07:01	01/28/22 13:21	1
Dibenz(a,h)anthracene	<7.3		38	7.3	ug/Kg	✱	01/27/22 07:01	01/28/22 13:21	1
Fluoranthene	100		38	7.0	ug/Kg	✱	01/27/22 07:01	01/28/22 13:21	1
Fluorene	<5.3		38	5.3	ug/Kg	✱	01/27/22 07:01	01/28/22 13:21	1
Indeno[1,2,3-cd]pyrene	19	J	38	9.8	ug/Kg	✱	01/27/22 07:01	01/28/22 13:21	1
Naphthalene	<5.8		38	5.8	ug/Kg	✱	01/27/22 07:01	01/28/22 13:21	1
Phenanthrene	76		38	5.3	ug/Kg	✱	01/27/22 07:01	01/28/22 13:21	1
Pyrene	82		38	7.5	ug/Kg	✱	01/27/22 07:01	01/28/22 13:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	85		43 - 145	01/27/22 07:01	01/28/22 13:21	1
Nitrobenzene-d5 (Surr)	80		37 - 147	01/27/22 07:01	01/28/22 13:21	1
Terphenyl-d14 (Surr)	84		42 - 157	01/27/22 07:01	01/28/22 13:21	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	30		0.59	0.27	mg/Kg	✱	01/29/22 09:47	01/31/22 11:43	1

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Client Sample Results

Client: Stantec Consulting Corp.
Project/Site: East Mason Finger Road Parcels - 193708667

Job ID: 500-211019-1

Client Sample ID: B6 (2-4)

Lab Sample ID: 500-211019-6

Date Collected: 01/14/22 11:45

Matrix: Solid

Date Received: 01/15/22 10:50

Percent Solids: 88.4

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<29		62	29	ug/Kg	☆	01/14/22 11:45	01/19/22 21:16	50
1,1,1-Trichloroethane	<24		62	24	ug/Kg	☆	01/14/22 11:45	01/19/22 21:16	50
1,1,2,2-Tetrachloroethane	<25		62	25	ug/Kg	☆	01/14/22 11:45	01/19/22 21:16	50
1,1,2-Trichloroethane	<22		62	22	ug/Kg	☆	01/14/22 11:45	01/19/22 21:16	50
1,1-Dichloroethane	<26	+	62	26	ug/Kg	☆	01/14/22 11:45	01/19/22 21:16	50
1,1-Dichloroethene	<24		62	24	ug/Kg	☆	01/14/22 11:45	01/19/22 21:16	50
1,1-Dichloropropene	<19		62	19	ug/Kg	☆	01/14/22 11:45	01/19/22 21:16	50
1,2,3-Trichlorobenzene	<29		62	29	ug/Kg	☆	01/14/22 11:45	01/19/22 21:16	50
1,2,3-Trichloropropane	<26		120	26	ug/Kg	☆	01/14/22 11:45	01/19/22 21:16	50
1,2,4-Trichlorobenzene	<21		62	21	ug/Kg	☆	01/14/22 11:45	01/19/22 21:16	50
1,2,4-Trimethylbenzene	<22		62	22	ug/Kg	☆	01/14/22 11:45	01/19/22 21:16	50
1,2-Dibromo-3-Chloropropane	<120		310	120	ug/Kg	☆	01/14/22 11:45	01/19/22 21:16	50
1,2-Dibromoethane	<24		62	24	ug/Kg	☆	01/14/22 11:45	01/19/22 21:16	50
1,2-Dichlorobenzene	<21		62	21	ug/Kg	☆	01/14/22 11:45	01/19/22 21:16	50
1,2-Dichloroethane	<24		62	24	ug/Kg	☆	01/14/22 11:45	01/19/22 21:16	50
1,2-Dichloropropane	<27		62	27	ug/Kg	☆	01/14/22 11:45	01/19/22 21:16	50
1,3,5-Trimethylbenzene	<24		62	24	ug/Kg	☆	01/14/22 11:45	01/19/22 21:16	50
1,3-Dichlorobenzene	<25		62	25	ug/Kg	☆	01/14/22 11:45	01/19/22 21:16	50
1,3-Dichloropropane	<23		62	23	ug/Kg	☆	01/14/22 11:45	01/19/22 21:16	50
1,4-Dichlorobenzene	<23		62	23	ug/Kg	☆	01/14/22 11:45	01/19/22 21:16	50
2,2-Dichloropropane	<28		62	28	ug/Kg	☆	01/14/22 11:45	01/19/22 21:16	50
2-Chlorotoluene	<20		62	20	ug/Kg	☆	01/14/22 11:45	01/19/22 21:16	50
4-Chlorotoluene	<22		62	22	ug/Kg	☆	01/14/22 11:45	01/19/22 21:16	50
Benzene	<9.1		16	9.1	ug/Kg	☆	01/14/22 11:45	01/19/22 21:16	50
Bromobenzene	<22		62	22	ug/Kg	☆	01/14/22 11:45	01/19/22 21:16	50
Bromochloromethane	<27		62	27	ug/Kg	☆	01/14/22 11:45	01/19/22 21:16	50
Bromodichloromethane	<23		62	23	ug/Kg	☆	01/14/22 11:45	01/19/22 21:16	50
Bromoform	<30		62	30	ug/Kg	☆	01/14/22 11:45	01/19/22 21:16	50
Bromomethane	<50		190	50	ug/Kg	☆	01/14/22 11:45	01/19/22 21:16	50
Carbon tetrachloride	<24		62	24	ug/Kg	☆	01/14/22 11:45	01/19/22 21:16	50
Chlorobenzene	<24		62	24	ug/Kg	☆	01/14/22 11:45	01/19/22 21:16	50
Chloroethane	<31		62	31	ug/Kg	☆	01/14/22 11:45	01/19/22 21:16	50
Chloroform	<23		120	23	ug/Kg	☆	01/14/22 11:45	01/19/22 21:16	50
Chloromethane	<20	+	62	20	ug/Kg	☆	01/14/22 11:45	01/19/22 21:16	50
cis-1,2-Dichloroethene	<25		62	25	ug/Kg	☆	01/14/22 11:45	01/19/22 21:16	50
cis-1,3-Dichloropropene	<26		62	26	ug/Kg	☆	01/14/22 11:45	01/19/22 21:16	50
Dibromochloromethane	<30		62	30	ug/Kg	☆	01/14/22 11:45	01/19/22 21:16	50
Dibromomethane	<17		62	17	ug/Kg	☆	01/14/22 11:45	01/19/22 21:16	50
Dichlorodifluoromethane	<42		190	42	ug/Kg	☆	01/14/22 11:45	01/19/22 21:16	50
Ethylbenzene	<11		16	11	ug/Kg	☆	01/14/22 11:45	01/19/22 21:16	50
Hexachlorobutadiene	<28		62	28	ug/Kg	☆	01/14/22 11:45	01/19/22 21:16	50
Isopropyl ether	<17		62	17	ug/Kg	☆	01/14/22 11:45	01/19/22 21:16	50
Isopropylbenzene	<24		62	24	ug/Kg	☆	01/14/22 11:45	01/19/22 21:16	50
Methyl tert-butyl ether	<25		62	25	ug/Kg	☆	01/14/22 11:45	01/19/22 21:16	50
Methylene Chloride	<100		310	100	ug/Kg	☆	01/14/22 11:45	01/19/22 21:16	50
Naphthalene	<21		62	21	ug/Kg	☆	01/14/22 11:45	01/19/22 21:16	50
n-Butylbenzene	<24		62	24	ug/Kg	☆	01/14/22 11:45	01/19/22 21:16	50
N-Propylbenzene	<26		62	26	ug/Kg	☆	01/14/22 11:45	01/19/22 21:16	50
p-Isopropyltoluene	<23		62	23	ug/Kg	☆	01/14/22 11:45	01/19/22 21:16	50

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Client Sample Results

Client: Stantec Consulting Corp.
Project/Site: East Mason Finger Road Parcels - 193708667

Job ID: 500-211019-1

Client Sample ID: B6 (2-4)

Lab Sample ID: 500-211019-6

Date Collected: 01/14/22 11:45

Matrix: Solid

Date Received: 01/15/22 10:50

Percent Solids: 88.4

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<25		62	25	ug/Kg	☆	01/14/22 11:45	01/19/22 21:16	50
Styrene	<24		62	24	ug/Kg	☆	01/14/22 11:45	01/19/22 21:16	50
tert-Butylbenzene	<25		62	25	ug/Kg	☆	01/14/22 11:45	01/19/22 21:16	50
Tetrachloroethene	<23		62	23	ug/Kg	☆	01/14/22 11:45	01/19/22 21:16	50
Toluene	<9.2		16	9.2	ug/Kg	☆	01/14/22 11:45	01/19/22 21:16	50
trans-1,2-Dichloroethene	<22		62	22	ug/Kg	☆	01/14/22 11:45	01/19/22 21:16	50
trans-1,3-Dichloropropene	<23		62	23	ug/Kg	☆	01/14/22 11:45	01/19/22 21:16	50
Trichloroethene	<10		31	10	ug/Kg	☆	01/14/22 11:45	01/19/22 21:16	50
Trichlorofluoromethane	<27		62	27	ug/Kg	☆	01/14/22 11:45	01/19/22 21:16	50
Vinyl chloride	<16	+	62	16	ug/Kg	☆	01/14/22 11:45	01/19/22 21:16	50
Xylenes, Total	<14		31	14	ug/Kg	☆	01/14/22 11:45	01/19/22 21:16	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	113		75 - 126	01/14/22 11:45	01/19/22 21:16	50
4-Bromofluorobenzene (Surr)	98		72 - 124	01/14/22 11:45	01/19/22 21:16	50
Dibromofluoromethane (Surr)	106		75 - 120	01/14/22 11:45	01/19/22 21:16	50
Toluene-d8 (Surr)	98		75 - 120	01/14/22 11:45	01/19/22 21:16	50

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<9.0		74	9.0	ug/Kg	☆	01/27/22 07:01	01/28/22 13:45	1
2-Methylnaphthalene	<6.8		74	6.8	ug/Kg	☆	01/27/22 07:01	01/28/22 13:45	1
Acenaphthene	<6.6		36	6.6	ug/Kg	☆	01/27/22 07:01	01/28/22 13:45	1
Acenaphthylene	<4.8		36	4.8	ug/Kg	☆	01/27/22 07:01	01/28/22 13:45	1
Anthracene	6.4	J	36	6.1	ug/Kg	☆	01/27/22 07:01	01/28/22 13:45	1
Benzo[a]anthracene	82		36	4.9	ug/Kg	☆	01/27/22 07:01	01/28/22 13:45	1
Benzo[a]pyrene	82		36	7.1	ug/Kg	☆	01/27/22 07:01	01/28/22 13:45	1
Benzo[b]fluoranthene	110		36	7.9	ug/Kg	☆	01/27/22 07:01	01/28/22 13:45	1
Benzo[g,h,i]perylene	34	J	36	12	ug/Kg	☆	01/27/22 07:01	01/28/22 13:45	1
Benzo[k]fluoranthene	42		36	11	ug/Kg	☆	01/27/22 07:01	01/28/22 13:45	1
Chrysene	87		36	10	ug/Kg	☆	01/27/22 07:01	01/28/22 13:45	1
Dibenz(a,h)anthracene	13	J	36	7.1	ug/Kg	☆	01/27/22 07:01	01/28/22 13:45	1
Fluoranthene	180		36	6.8	ug/Kg	☆	01/27/22 07:01	01/28/22 13:45	1
Fluorene	<5.2		36	5.2	ug/Kg	☆	01/27/22 07:01	01/28/22 13:45	1
Indeno[1,2,3-cd]pyrene	33	J	36	9.5	ug/Kg	☆	01/27/22 07:01	01/28/22 13:45	1
Naphthalene	<5.7		36	5.7	ug/Kg	☆	01/27/22 07:01	01/28/22 13:45	1
Phenanthrene	28	J	36	5.1	ug/Kg	☆	01/27/22 07:01	01/28/22 13:45	1
Pyrene	140		36	7.3	ug/Kg	☆	01/27/22 07:01	01/28/22 13:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	88		43 - 145	01/27/22 07:01	01/28/22 13:45	1
Nitrobenzene-d5 (Surr)	79		37 - 147	01/27/22 07:01	01/28/22 13:45	1
Terphenyl-d14 (Surr)	84		42 - 157	01/27/22 07:01	01/28/22 13:45	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	25		0.55	0.25	mg/Kg	☆	01/29/22 09:47	01/31/22 11:46	1

Eurofins Chicago

Client Sample Results

Client: Stantec Consulting Corp.
Project/Site: East Mason Finger Road Parcels - 193708667

Job ID: 500-211019-1

Client Sample ID: B7 (2-4)

Lab Sample ID: 500-211019-7

Date Collected: 01/14/22 12:00

Matrix: Solid

Date Received: 01/15/22 10:50

Percent Solids: 83.1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<33		71	33	ug/Kg	☆	01/14/22 12:00	01/24/22 17:18	50
1,1,1-Trichloroethane	<27		71	27	ug/Kg	☆	01/14/22 12:00	01/24/22 17:18	50
1,1,2,2-Tetrachloroethane	<28		71	28	ug/Kg	☆	01/14/22 12:00	01/24/22 17:18	50
1,1,2-Trichloroethane	<25		71	25	ug/Kg	☆	01/14/22 12:00	01/24/22 17:18	50
1,1-Dichloroethane	<29	+	71	29	ug/Kg	☆	01/14/22 12:00	01/24/22 17:18	50
1,1-Dichloroethene	<28		71	28	ug/Kg	☆	01/14/22 12:00	01/24/22 17:18	50
1,1-Dichloropropene	<21		71	21	ug/Kg	☆	01/14/22 12:00	01/24/22 17:18	50
1,2,3-Trichlorobenzene	<33		71	33	ug/Kg	☆	01/14/22 12:00	01/24/22 17:18	50
1,2,3-Trichloropropane	<29		140	29	ug/Kg	☆	01/14/22 12:00	01/24/22 17:18	50
1,2,4-Trichlorobenzene	<24		71	24	ug/Kg	☆	01/14/22 12:00	01/24/22 17:18	50
1,2,4-Trimethylbenzene	<25		71	25	ug/Kg	☆	01/14/22 12:00	01/24/22 17:18	50
1,2-Dibromo-3-Chloropropane	<140		360	140	ug/Kg	☆	01/14/22 12:00	01/24/22 17:18	50
1,2-Dibromoethane	<27		71	27	ug/Kg	☆	01/14/22 12:00	01/24/22 17:18	50
1,2-Dichlorobenzene	<24		71	24	ug/Kg	☆	01/14/22 12:00	01/24/22 17:18	50
1,2-Dichloroethane	<28		71	28	ug/Kg	☆	01/14/22 12:00	01/24/22 17:18	50
1,2-Dichloropropane	<30		71	30	ug/Kg	☆	01/14/22 12:00	01/24/22 17:18	50
1,3,5-Trimethylbenzene	<27		71	27	ug/Kg	☆	01/14/22 12:00	01/24/22 17:18	50
1,3-Dichlorobenzene	<28		71	28	ug/Kg	☆	01/14/22 12:00	01/24/22 17:18	50
1,3-Dichloropropane	<26		71	26	ug/Kg	☆	01/14/22 12:00	01/24/22 17:18	50
1,4-Dichlorobenzene	<26		71	26	ug/Kg	☆	01/14/22 12:00	01/24/22 17:18	50
2,2-Dichloropropane	<32	+	71	32	ug/Kg	☆	01/14/22 12:00	01/24/22 17:18	50
2-Chlorotoluene	<22		71	22	ug/Kg	☆	01/14/22 12:00	01/24/22 17:18	50
4-Chlorotoluene	<25		71	25	ug/Kg	☆	01/14/22 12:00	01/24/22 17:18	50
Benzene	<10		18	10	ug/Kg	☆	01/14/22 12:00	01/24/22 17:18	50
Bromobenzene	<25		71	25	ug/Kg	☆	01/14/22 12:00	01/24/22 17:18	50
Bromochloromethane	<30		71	30	ug/Kg	☆	01/14/22 12:00	01/24/22 17:18	50
Bromodichloromethane	<26		71	26	ug/Kg	☆	01/14/22 12:00	01/24/22 17:18	50
Bromoform	<34		71	34	ug/Kg	☆	01/14/22 12:00	01/24/22 17:18	50
Bromomethane	<57		210	57	ug/Kg	☆	01/14/22 12:00	01/24/22 17:18	50
Carbon tetrachloride	<27		71	27	ug/Kg	☆	01/14/22 12:00	01/24/22 17:18	50
Chlorobenzene	<27		71	27	ug/Kg	☆	01/14/22 12:00	01/24/22 17:18	50
Chloroethane	<36		71	36	ug/Kg	☆	01/14/22 12:00	01/24/22 17:18	50
Chloroform	<26		140	26	ug/Kg	☆	01/14/22 12:00	01/24/22 17:18	50
Chloromethane	<23		71	23	ug/Kg	☆	01/14/22 12:00	01/24/22 17:18	50
cis-1,2-Dichloroethene	<29		71	29	ug/Kg	☆	01/14/22 12:00	01/24/22 17:18	50
cis-1,3-Dichloropropene	<30		71	30	ug/Kg	☆	01/14/22 12:00	01/24/22 17:18	50
Dibromochloromethane	<35		71	35	ug/Kg	☆	01/14/22 12:00	01/24/22 17:18	50
Dibromomethane	<19		71	19	ug/Kg	☆	01/14/22 12:00	01/24/22 17:18	50
Dichlorodifluoromethane	<48		210	48	ug/Kg	☆	01/14/22 12:00	01/24/22 17:18	50
Ethylbenzene	<13		18	13	ug/Kg	☆	01/14/22 12:00	01/24/22 17:18	50
Hexachlorobutadiene	<32		71	32	ug/Kg	☆	01/14/22 12:00	01/24/22 17:18	50
Isopropyl ether	<20		71	20	ug/Kg	☆	01/14/22 12:00	01/24/22 17:18	50
Isopropylbenzene	<27	+	71	27	ug/Kg	☆	01/14/22 12:00	01/24/22 17:18	50
Methyl tert-butyl ether	<28		71	28	ug/Kg	☆	01/14/22 12:00	01/24/22 17:18	50
Methylene Chloride	<120		360	120	ug/Kg	☆	01/14/22 12:00	01/24/22 17:18	50
Naphthalene	<24		71	24	ug/Kg	☆	01/14/22 12:00	01/24/22 17:18	50
n-Butylbenzene	<28		71	28	ug/Kg	☆	01/14/22 12:00	01/24/22 17:18	50
N-Propylbenzene	<29		71	29	ug/Kg	☆	01/14/22 12:00	01/24/22 17:18	50
p-Isopropyltoluene	<26		71	26	ug/Kg	☆	01/14/22 12:00	01/24/22 17:18	50

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Client Sample Results

Client: Stantec Consulting Corp.
Project/Site: East Mason Finger Road Parcels - 193708667

Job ID: 500-211019-1

Client Sample ID: B7 (2-4)

Lab Sample ID: 500-211019-7

Date Collected: 01/14/22 12:00

Matrix: Solid

Date Received: 01/15/22 10:50

Percent Solids: 83.1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<28		71	28	ug/Kg	☆	01/14/22 12:00	01/24/22 17:18	50
Styrene	<27		71	27	ug/Kg	☆	01/14/22 12:00	01/24/22 17:18	50
tert-Butylbenzene	<28		71	28	ug/Kg	☆	01/14/22 12:00	01/24/22 17:18	50
Tetrachloroethene	<26		71	26	ug/Kg	☆	01/14/22 12:00	01/24/22 17:18	50
Toluene	<10		18	10	ug/Kg	☆	01/14/22 12:00	01/24/22 17:18	50
trans-1,2-Dichloroethene	<25		71	25	ug/Kg	☆	01/14/22 12:00	01/24/22 17:18	50
trans-1,3-Dichloropropene	<26		71	26	ug/Kg	☆	01/14/22 12:00	01/24/22 17:18	50
Trichloroethene	<12		36	12	ug/Kg	☆	01/14/22 12:00	01/24/22 17:18	50
Trichlorofluoromethane	<30		71	30	ug/Kg	☆	01/14/22 12:00	01/24/22 17:18	50
Vinyl chloride	<19		71	19	ug/Kg	☆	01/14/22 12:00	01/24/22 17:18	50
Xylenes, Total	<16		36	16	ug/Kg	☆	01/14/22 12:00	01/24/22 17:18	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	119		75 - 126	01/14/22 12:00	01/24/22 17:18	50
4-Bromofluorobenzene (Surr)	89		72 - 124	01/14/22 12:00	01/24/22 17:18	50
Dibromofluoromethane (Surr)	93		75 - 120	01/14/22 12:00	01/24/22 17:18	50
Toluene-d8 (Surr)	112		75 - 120	01/14/22 12:00	01/24/22 17:18	50

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<9.6		79	9.6	ug/Kg	☆	01/27/22 07:01	01/28/22 14:10	1
2-Methylnaphthalene	<7.2		79	7.2	ug/Kg	☆	01/27/22 07:01	01/28/22 14:10	1
Acenaphthene	<7.0		39	7.0	ug/Kg	☆	01/27/22 07:01	01/28/22 14:10	1
Acenaphthylene	<5.2		39	5.2	ug/Kg	☆	01/27/22 07:01	01/28/22 14:10	1
Anthracene	<6.6		39	6.6	ug/Kg	☆	01/27/22 07:01	01/28/22 14:10	1
Benzo[a]anthracene	<5.3		39	5.3	ug/Kg	☆	01/27/22 07:01	01/28/22 14:10	1
Benzo[a]pyrene	<7.6		39	7.6	ug/Kg	☆	01/27/22 07:01	01/28/22 14:10	1
Benzo[b]fluoranthene	<8.5		39	8.5	ug/Kg	☆	01/27/22 07:01	01/28/22 14:10	1
Benzo[g,h,i]perylene	<13		39	13	ug/Kg	☆	01/27/22 07:01	01/28/22 14:10	1
Benzo[k]fluoranthene	<12		39	12	ug/Kg	☆	01/27/22 07:01	01/28/22 14:10	1
Chrysene	<11		39	11	ug/Kg	☆	01/27/22 07:01	01/28/22 14:10	1
Dibenz(a,h)anthracene	<7.6		39	7.6	ug/Kg	☆	01/27/22 07:01	01/28/22 14:10	1
Fluoranthene	<7.3		39	7.3	ug/Kg	☆	01/27/22 07:01	01/28/22 14:10	1
Fluorene	<5.5		39	5.5	ug/Kg	☆	01/27/22 07:01	01/28/22 14:10	1
Indeno[1,2,3-cd]pyrene	<10		39	10	ug/Kg	☆	01/27/22 07:01	01/28/22 14:10	1
Naphthalene	<6.0		39	6.0	ug/Kg	☆	01/27/22 07:01	01/28/22 14:10	1
Phenanthrene	<5.5		39	5.5	ug/Kg	☆	01/27/22 07:01	01/28/22 14:10	1
Pyrene	<7.8		39	7.8	ug/Kg	☆	01/27/22 07:01	01/28/22 14:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	80		43 - 145	01/27/22 07:01	01/28/22 14:10	1
Nitrobenzene-d5 (Surr)	74		37 - 147	01/27/22 07:01	01/28/22 14:10	1
Terphenyl-d14 (Surr)	86		42 - 157	01/27/22 07:01	01/28/22 14:10	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	6.9		0.53	0.24	mg/Kg	☆	01/29/22 09:47	01/31/22 11:50	1

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Client Sample Results

Client: Stantec Consulting Corp.
Project/Site: East Mason Finger Road Parcels - 193708667

Job ID: 500-211019-1

Client Sample ID: B8 (2-4)

Lab Sample ID: 500-211019-8

Date Collected: 01/14/22 12:30

Matrix: Solid

Date Received: 01/15/22 10:50

Percent Solids: 91.1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<28		60	28	ug/Kg	☆	01/14/22 12:30	01/24/22 17:44	50
1,1,1-Trichloroethane	<23		60	23	ug/Kg	☆	01/14/22 12:30	01/24/22 17:44	50
1,1,2,2-Tetrachloroethane	<24		60	24	ug/Kg	☆	01/14/22 12:30	01/24/22 17:44	50
1,1,2-Trichloroethane	<21		60	21	ug/Kg	☆	01/14/22 12:30	01/24/22 17:44	50
1,1-Dichloroethane	<25	+	60	25	ug/Kg	☆	01/14/22 12:30	01/24/22 17:44	50
1,1-Dichloroethene	<23		60	23	ug/Kg	☆	01/14/22 12:30	01/24/22 17:44	50
1,1-Dichloropropene	<18		60	18	ug/Kg	☆	01/14/22 12:30	01/24/22 17:44	50
1,2,3-Trichlorobenzene	<28		60	28	ug/Kg	☆	01/14/22 12:30	01/24/22 17:44	50
1,2,3-Trichloropropane	<25		120	25	ug/Kg	☆	01/14/22 12:30	01/24/22 17:44	50
1,2,4-Trichlorobenzene	<21		60	21	ug/Kg	☆	01/14/22 12:30	01/24/22 17:44	50
1,2,4-Trimethylbenzene	<22		60	22	ug/Kg	☆	01/14/22 12:30	01/24/22 17:44	50
1,2-Dibromo-3-Chloropropane	<120		300	120	ug/Kg	☆	01/14/22 12:30	01/24/22 17:44	50
1,2-Dibromoethane	<23		60	23	ug/Kg	☆	01/14/22 12:30	01/24/22 17:44	50
1,2-Dichlorobenzene	<20		60	20	ug/Kg	☆	01/14/22 12:30	01/24/22 17:44	50
1,2-Dichloroethane	<24		60	24	ug/Kg	☆	01/14/22 12:30	01/24/22 17:44	50
1,2-Dichloropropane	<26		60	26	ug/Kg	☆	01/14/22 12:30	01/24/22 17:44	50
1,3,5-Trimethylbenzene	<23		60	23	ug/Kg	☆	01/14/22 12:30	01/24/22 17:44	50
1,3-Dichlorobenzene	<24		60	24	ug/Kg	☆	01/14/22 12:30	01/24/22 17:44	50
1,3-Dichloropropane	<22		60	22	ug/Kg	☆	01/14/22 12:30	01/24/22 17:44	50
1,4-Dichlorobenzene	<22		60	22	ug/Kg	☆	01/14/22 12:30	01/24/22 17:44	50
2,2-Dichloropropane	<27	+	60	27	ug/Kg	☆	01/14/22 12:30	01/24/22 17:44	50
2-Chlorotoluene	<19		60	19	ug/Kg	☆	01/14/22 12:30	01/24/22 17:44	50
4-Chlorotoluene	<21		60	21	ug/Kg	☆	01/14/22 12:30	01/24/22 17:44	50
Benzene	<8.8		15	8.8	ug/Kg	☆	01/14/22 12:30	01/24/22 17:44	50
Bromobenzene	<21		60	21	ug/Kg	☆	01/14/22 12:30	01/24/22 17:44	50
Bromochloromethane	<26		60	26	ug/Kg	☆	01/14/22 12:30	01/24/22 17:44	50
Bromodichloromethane	<22		60	22	ug/Kg	☆	01/14/22 12:30	01/24/22 17:44	50
Bromoform	<29		60	29	ug/Kg	☆	01/14/22 12:30	01/24/22 17:44	50
Bromomethane	<48		180	48	ug/Kg	☆	01/14/22 12:30	01/24/22 17:44	50
Carbon tetrachloride	<23		60	23	ug/Kg	☆	01/14/22 12:30	01/24/22 17:44	50
Chlorobenzene	<23		60	23	ug/Kg	☆	01/14/22 12:30	01/24/22 17:44	50
Chloroethane	<30		60	30	ug/Kg	☆	01/14/22 12:30	01/24/22 17:44	50
Chloroform	<22		120	22	ug/Kg	☆	01/14/22 12:30	01/24/22 17:44	50
Chloromethane	<19		60	19	ug/Kg	☆	01/14/22 12:30	01/24/22 17:44	50
cis-1,2-Dichloroethene	<25		60	25	ug/Kg	☆	01/14/22 12:30	01/24/22 17:44	50
cis-1,3-Dichloropropene	<25		60	25	ug/Kg	☆	01/14/22 12:30	01/24/22 17:44	50
Dibromochloromethane	<29		60	29	ug/Kg	☆	01/14/22 12:30	01/24/22 17:44	50
Dibromomethane	<16		60	16	ug/Kg	☆	01/14/22 12:30	01/24/22 17:44	50
Dichlorodifluoromethane	<41		180	41	ug/Kg	☆	01/14/22 12:30	01/24/22 17:44	50
Ethylbenzene	<11		15	11	ug/Kg	☆	01/14/22 12:30	01/24/22 17:44	50
Hexachlorobutadiene	<27		60	27	ug/Kg	☆	01/14/22 12:30	01/24/22 17:44	50
Isopropyl ether	<17		60	17	ug/Kg	☆	01/14/22 12:30	01/24/22 17:44	50
Isopropylbenzene	<23	+	60	23	ug/Kg	☆	01/14/22 12:30	01/24/22 17:44	50
Methyl tert-butyl ether	<24		60	24	ug/Kg	☆	01/14/22 12:30	01/24/22 17:44	50
Methylene Chloride	<98		300	98	ug/Kg	☆	01/14/22 12:30	01/24/22 17:44	50
Naphthalene	<20		60	20	ug/Kg	☆	01/14/22 12:30	01/24/22 17:44	50
n-Butylbenzene	<23		60	23	ug/Kg	☆	01/14/22 12:30	01/24/22 17:44	50
N-Propylbenzene	<25		60	25	ug/Kg	☆	01/14/22 12:30	01/24/22 17:44	50
p-Isopropyltoluene	<22		60	22	ug/Kg	☆	01/14/22 12:30	01/24/22 17:44	50

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Client Sample Results

Client: Stantec Consulting Corp.
Project/Site: East Mason Finger Road Parcels - 193708667

Job ID: 500-211019-1

Client Sample ID: B8 (2-4)

Lab Sample ID: 500-211019-8

Date Collected: 01/14/22 12:30

Matrix: Solid

Date Received: 01/15/22 10:50

Percent Solids: 91.1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<24		60	24	ug/Kg	✱	01/14/22 12:30	01/24/22 17:44	50
Styrene	<23		60	23	ug/Kg	✱	01/14/22 12:30	01/24/22 17:44	50
tert-Butylbenzene	<24		60	24	ug/Kg	✱	01/14/22 12:30	01/24/22 17:44	50
Tetrachloroethene	<22		60	22	ug/Kg	✱	01/14/22 12:30	01/24/22 17:44	50
Toluene	<8.8		15	8.8	ug/Kg	✱	01/14/22 12:30	01/24/22 17:44	50
trans-1,2-Dichloroethene	<21		60	21	ug/Kg	✱	01/14/22 12:30	01/24/22 17:44	50
trans-1,3-Dichloropropene	<22		60	22	ug/Kg	✱	01/14/22 12:30	01/24/22 17:44	50
Trichloroethene	<9.9		30	9.9	ug/Kg	✱	01/14/22 12:30	01/24/22 17:44	50
Trichlorofluoromethane	<26		60	26	ug/Kg	✱	01/14/22 12:30	01/24/22 17:44	50
Vinyl chloride	<16		60	16	ug/Kg	✱	01/14/22 12:30	01/24/22 17:44	50
Xylenes, Total	<13		30	13	ug/Kg	✱	01/14/22 12:30	01/24/22 17:44	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	119		75 - 126	01/14/22 12:30	01/24/22 17:44	50
4-Bromofluorobenzene (Surr)	88		72 - 124	01/14/22 12:30	01/24/22 17:44	50
Dibromofluoromethane (Surr)	95		75 - 120	01/14/22 12:30	01/24/22 17:44	50
Toluene-d8 (Surr)	113		75 - 120	01/14/22 12:30	01/24/22 17:44	50

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<8.4		70	8.4	ug/Kg	✱	01/27/22 07:01	01/28/22 15:05	1
2-Methylnaphthalene	<6.4		70	6.4	ug/Kg	✱	01/27/22 07:01	01/28/22 15:05	1
Acenaphthene	<6.2		34	6.2	ug/Kg	✱	01/27/22 07:01	01/28/22 15:05	1
Acenaphthylene	<4.6		34	4.6	ug/Kg	✱	01/27/22 07:01	01/28/22 15:05	1
Anthracene	<5.8		34	5.8	ug/Kg	✱	01/27/22 07:01	01/28/22 15:05	1
Benzo[a]anthracene	11	J	34	4.7	ug/Kg	✱	01/27/22 07:01	01/28/22 15:05	1
Benzo[a]pyrene	13	J	34	6.7	ug/Kg	✱	01/27/22 07:01	01/28/22 15:05	1
Benzo[b]fluoranthene	15	J	34	7.5	ug/Kg	✱	01/27/22 07:01	01/28/22 15:05	1
Benzo[g,h,i]perylene	<11		34	11	ug/Kg	✱	01/27/22 07:01	01/28/22 15:05	1
Benzo[k]fluoranthene	<10		34	10	ug/Kg	✱	01/27/22 07:01	01/28/22 15:05	1
Chrysene	12	J	34	9.4	ug/Kg	✱	01/27/22 07:01	01/28/22 15:05	1
Dibenz(a,h)anthracene	<6.7		34	6.7	ug/Kg	✱	01/27/22 07:01	01/28/22 15:05	1
Fluoranthene	21	J	34	6.4	ug/Kg	✱	01/27/22 07:01	01/28/22 15:05	1
Fluorene	<4.9		34	4.9	ug/Kg	✱	01/27/22 07:01	01/28/22 15:05	1
Indeno[1,2,3-cd]pyrene	<9.0		34	9.0	ug/Kg	✱	01/27/22 07:01	01/28/22 15:05	1
Naphthalene	<5.3		34	5.3	ug/Kg	✱	01/27/22 07:01	01/28/22 15:05	1
Phenanthrene	9.5	J	34	4.8	ug/Kg	✱	01/27/22 07:01	01/28/22 15:05	1
Pyrene	21	J	34	6.9	ug/Kg	✱	01/27/22 07:01	01/28/22 15:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	92		43 - 145	01/27/22 07:01	01/28/22 15:05	1
Nitrobenzene-d5 (Surr)	75		37 - 147	01/27/22 07:01	01/28/22 15:05	1
Terphenyl-d14 (Surr)	83		42 - 157	01/27/22 07:01	01/28/22 15:05	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.5		1.1	0.37	mg/Kg	✱	01/29/22 09:47	01/31/22 11:53	1
Barium	32		1.1	0.12	mg/Kg	✱	01/29/22 09:47	01/31/22 11:53	1
Cadmium	0.18	J B	0.22	0.039	mg/Kg	✱	01/29/22 09:47	01/31/22 11:53	1
Chromium	10		1.1	0.54	mg/Kg	✱	01/29/22 09:47	01/31/22 11:53	1

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Client Sample Results

Client: Stantec Consulting Corp.
Project/Site: East Mason Finger Road Parcels - 193708667

Job ID: 500-211019-1

Client Sample ID: B8 (2-4)

Date Collected: 01/14/22 12:30

Date Received: 01/15/22 10:50

Lab Sample ID: 500-211019-8

Matrix: Solid

Percent Solids: 91.1

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	8.0		0.54	0.25	mg/Kg	✱	01/29/22 09:47	01/31/22 11:53	1
Selenium	<0.64		1.1	0.64	mg/Kg	✱	01/29/22 09:47	01/31/22 11:53	1
Silver	0.26	J	0.54	0.14	mg/Kg	✱	01/29/22 09:47	01/31/22 11:53	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.016	J	0.017	0.0058	mg/Kg	✱	01/26/22 15:30	01/27/22 10:36	1

Client Sample Results

Client: Stantec Consulting Corp.
Project/Site: East Mason Finger Road Parcels - 193708667

Job ID: 500-211019-1

Client Sample ID: B9 (2-4)

Lab Sample ID: 500-211019-9

Date Collected: 01/14/22 12:40

Matrix: Solid

Date Received: 01/15/22 10:50

Percent Solids: 83.2

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<33		71	33	ug/Kg	☆	01/14/22 12:40	01/24/22 18:08	50
1,1,1-Trichloroethane	<27		71	27	ug/Kg	☆	01/14/22 12:40	01/24/22 18:08	50
1,1,2,2-Tetrachloroethane	<28		71	28	ug/Kg	☆	01/14/22 12:40	01/24/22 18:08	50
1,1,2-Trichloroethane	<25		71	25	ug/Kg	☆	01/14/22 12:40	01/24/22 18:08	50
1,1-Dichloroethane	<29	+	71	29	ug/Kg	☆	01/14/22 12:40	01/24/22 18:08	50
1,1-Dichloroethene	<28		71	28	ug/Kg	☆	01/14/22 12:40	01/24/22 18:08	50
1,1-Dichloropropene	<21		71	21	ug/Kg	☆	01/14/22 12:40	01/24/22 18:08	50
1,2,3-Trichlorobenzene	<32		71	32	ug/Kg	☆	01/14/22 12:40	01/24/22 18:08	50
1,2,3-Trichloropropane	<29		140	29	ug/Kg	☆	01/14/22 12:40	01/24/22 18:08	50
1,2,4-Trichlorobenzene	<24		71	24	ug/Kg	☆	01/14/22 12:40	01/24/22 18:08	50
1,2,4-Trimethylbenzene	<25		71	25	ug/Kg	☆	01/14/22 12:40	01/24/22 18:08	50
1,2-Dibromo-3-Chloropropane	<140		350	140	ug/Kg	☆	01/14/22 12:40	01/24/22 18:08	50
1,2-Dibromoethane	<27		71	27	ug/Kg	☆	01/14/22 12:40	01/24/22 18:08	50
1,2-Dichlorobenzene	<24		71	24	ug/Kg	☆	01/14/22 12:40	01/24/22 18:08	50
1,2-Dichloroethane	<28		71	28	ug/Kg	☆	01/14/22 12:40	01/24/22 18:08	50
1,2-Dichloropropane	<30		71	30	ug/Kg	☆	01/14/22 12:40	01/24/22 18:08	50
1,3,5-Trimethylbenzene	<27		71	27	ug/Kg	☆	01/14/22 12:40	01/24/22 18:08	50
1,3-Dichlorobenzene	<28		71	28	ug/Kg	☆	01/14/22 12:40	01/24/22 18:08	50
1,3-Dichloropropane	<26		71	26	ug/Kg	☆	01/14/22 12:40	01/24/22 18:08	50
1,4-Dichlorobenzene	<26		71	26	ug/Kg	☆	01/14/22 12:40	01/24/22 18:08	50
2,2-Dichloropropane	<31	+	71	31	ug/Kg	☆	01/14/22 12:40	01/24/22 18:08	50
2-Chlorotoluene	<22		71	22	ug/Kg	☆	01/14/22 12:40	01/24/22 18:08	50
4-Chlorotoluene	<25		71	25	ug/Kg	☆	01/14/22 12:40	01/24/22 18:08	50
Benzene	<10		18	10	ug/Kg	☆	01/14/22 12:40	01/24/22 18:08	50
Bromobenzene	<25		71	25	ug/Kg	☆	01/14/22 12:40	01/24/22 18:08	50
Bromochloromethane	<30		71	30	ug/Kg	☆	01/14/22 12:40	01/24/22 18:08	50
Bromodichloromethane	<26		71	26	ug/Kg	☆	01/14/22 12:40	01/24/22 18:08	50
Bromoform	<34		71	34	ug/Kg	☆	01/14/22 12:40	01/24/22 18:08	50
Bromomethane	<56		210	56	ug/Kg	☆	01/14/22 12:40	01/24/22 18:08	50
Carbon tetrachloride	<27		71	27	ug/Kg	☆	01/14/22 12:40	01/24/22 18:08	50
Chlorobenzene	<27		71	27	ug/Kg	☆	01/14/22 12:40	01/24/22 18:08	50
Chloroethane	<36		71	36	ug/Kg	☆	01/14/22 12:40	01/24/22 18:08	50
Chloroform	<26		140	26	ug/Kg	☆	01/14/22 12:40	01/24/22 18:08	50
Chloromethane	<23		71	23	ug/Kg	☆	01/14/22 12:40	01/24/22 18:08	50
cis-1,2-Dichloroethene	<29		71	29	ug/Kg	☆	01/14/22 12:40	01/24/22 18:08	50
cis-1,3-Dichloropropene	<30		71	30	ug/Kg	☆	01/14/22 12:40	01/24/22 18:08	50
Dibromochloromethane	<35		71	35	ug/Kg	☆	01/14/22 12:40	01/24/22 18:08	50
Dibromomethane	<19		71	19	ug/Kg	☆	01/14/22 12:40	01/24/22 18:08	50
Dichlorodifluoromethane	<48		210	48	ug/Kg	☆	01/14/22 12:40	01/24/22 18:08	50
Ethylbenzene	<13		18	13	ug/Kg	☆	01/14/22 12:40	01/24/22 18:08	50
Hexachlorobutadiene	<32		71	32	ug/Kg	☆	01/14/22 12:40	01/24/22 18:08	50
Isopropyl ether	<20		71	20	ug/Kg	☆	01/14/22 12:40	01/24/22 18:08	50
Isopropylbenzene	<27	+	71	27	ug/Kg	☆	01/14/22 12:40	01/24/22 18:08	50
Methyl tert-butyl ether	<28		71	28	ug/Kg	☆	01/14/22 12:40	01/24/22 18:08	50
Methylene Chloride	<120		350	120	ug/Kg	☆	01/14/22 12:40	01/24/22 18:08	50
Naphthalene	<24		71	24	ug/Kg	☆	01/14/22 12:40	01/24/22 18:08	50
n-Butylbenzene	<28		71	28	ug/Kg	☆	01/14/22 12:40	01/24/22 18:08	50
N-Propylbenzene	<29		71	29	ug/Kg	☆	01/14/22 12:40	01/24/22 18:08	50
p-Isopropyltoluene	<26		71	26	ug/Kg	☆	01/14/22 12:40	01/24/22 18:08	50

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Client Sample Results

Client: Stantec Consulting Corp.
Project/Site: East Mason Finger Road Parcels - 193708667

Job ID: 500-211019-1

Client Sample ID: B9 (2-4)

Lab Sample ID: 500-211019-9

Date Collected: 01/14/22 12:40

Matrix: Solid

Date Received: 01/15/22 10:50

Percent Solids: 83.2

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<28		71	28	ug/Kg	✱	01/14/22 12:40	01/24/22 18:08	50
Styrene	<27		71	27	ug/Kg	✱	01/14/22 12:40	01/24/22 18:08	50
tert-Butylbenzene	<28		71	28	ug/Kg	✱	01/14/22 12:40	01/24/22 18:08	50
Tetrachloroethene	<26		71	26	ug/Kg	✱	01/14/22 12:40	01/24/22 18:08	50
Toluene	<10		18	10	ug/Kg	✱	01/14/22 12:40	01/24/22 18:08	50
trans-1,2-Dichloroethene	<25		71	25	ug/Kg	✱	01/14/22 12:40	01/24/22 18:08	50
trans-1,3-Dichloropropene	<26		71	26	ug/Kg	✱	01/14/22 12:40	01/24/22 18:08	50
Trichloroethene	<12		35	12	ug/Kg	✱	01/14/22 12:40	01/24/22 18:08	50
Trichlorofluoromethane	<30		71	30	ug/Kg	✱	01/14/22 12:40	01/24/22 18:08	50
Vinyl chloride	<19		71	19	ug/Kg	✱	01/14/22 12:40	01/24/22 18:08	50
Xylenes, Total	<16		35	16	ug/Kg	✱	01/14/22 12:40	01/24/22 18:08	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	122		75 - 126	01/14/22 12:40	01/24/22 18:08	50
4-Bromofluorobenzene (Surr)	85		72 - 124	01/14/22 12:40	01/24/22 18:08	50
Dibromofluoromethane (Surr)	94		75 - 120	01/14/22 12:40	01/24/22 18:08	50
Toluene-d8 (Surr)	112		75 - 120	01/14/22 12:40	01/24/22 18:08	50

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<9.4		78	9.4	ug/Kg	✱	01/27/22 07:01	01/28/22 15:30	1
2-Methylnaphthalene	<7.1		78	7.1	ug/Kg	✱	01/27/22 07:01	01/28/22 15:30	1
Acenaphthene	<7.0		38	7.0	ug/Kg	✱	01/27/22 07:01	01/28/22 15:30	1
Acenaphthylene	<5.1		38	5.1	ug/Kg	✱	01/27/22 07:01	01/28/22 15:30	1
Anthracene	<6.5		38	6.5	ug/Kg	✱	01/27/22 07:01	01/28/22 15:30	1
Benzo[a]anthracene	17	J	38	5.2	ug/Kg	✱	01/27/22 07:01	01/28/22 15:30	1
Benzo[a]pyrene	15	J	38	7.5	ug/Kg	✱	01/27/22 07:01	01/28/22 15:30	1
Benzo[b]fluoranthene	30	J	38	8.3	ug/Kg	✱	01/27/22 07:01	01/28/22 15:30	1
Benzo[g,h,i]perylene	<12		38	12	ug/Kg	✱	01/27/22 07:01	01/28/22 15:30	1
Benzo[k]fluoranthene	14	J	38	11	ug/Kg	✱	01/27/22 07:01	01/28/22 15:30	1
Chrysene	28	J	38	11	ug/Kg	✱	01/27/22 07:01	01/28/22 15:30	1
Dibenz(a,h)anthracene	<7.5		38	7.5	ug/Kg	✱	01/27/22 07:01	01/28/22 15:30	1
Fluoranthene	55		38	7.2	ug/Kg	✱	01/27/22 07:01	01/28/22 15:30	1
Fluorene	<5.4		38	5.4	ug/Kg	✱	01/27/22 07:01	01/28/22 15:30	1
Indeno[1,2,3-cd]pyrene	<10		38	10	ug/Kg	✱	01/27/22 07:01	01/28/22 15:30	1
Naphthalene	<6.0		38	6.0	ug/Kg	✱	01/27/22 07:01	01/28/22 15:30	1
Phenanthrene	6.0	J	38	5.4	ug/Kg	✱	01/27/22 07:01	01/28/22 15:30	1
Pyrene	45		38	7.7	ug/Kg	✱	01/27/22 07:01	01/28/22 15:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	76		43 - 145	01/27/22 07:01	01/28/22 15:30	1
Nitrobenzene-d5 (Surr)	68		37 - 147	01/27/22 07:01	01/28/22 15:30	1
Terphenyl-d14 (Surr)	78		42 - 157	01/27/22 07:01	01/28/22 15:30	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.0		1.1	0.38	mg/Kg	✱	01/29/22 09:47	01/31/22 12:02	1
Barium	72		1.1	0.13	mg/Kg	✱	01/29/22 09:47	01/31/22 12:02	1
Cadmium	0.26	B	0.22	0.040	mg/Kg	✱	01/29/22 09:47	01/31/22 12:02	1
Chromium	17		1.1	0.55	mg/Kg	✱	01/29/22 09:47	01/31/22 12:02	1

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Client Sample Results

Client: Stantec Consulting Corp.
Project/Site: East Mason Finger Road Parcels - 193708667

Job ID: 500-211019-1

Client Sample ID: B9 (2-4)

Date Collected: 01/14/22 12:40

Date Received: 01/15/22 10:50

Lab Sample ID: 500-211019-9

Matrix: Solid

Percent Solids: 83.2

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	7.9		0.55	0.25	mg/Kg	✱	01/29/22 09:47	01/31/22 12:02	1
Selenium	<0.65		1.1	0.65	mg/Kg	✱	01/29/22 09:47	01/31/22 12:02	1
Silver	0.31	J	0.55	0.14	mg/Kg	✱	01/29/22 09:47	01/31/22 12:02	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.014	J	0.019	0.0063	mg/Kg	✱	01/26/22 15:30	01/27/22 10:38	1

Client Sample Results

Client: Stantec Consulting Corp.
Project/Site: East Mason Finger Road Parcels - 193708667

Job ID: 500-211019-1

Client Sample ID: B10 (2-4)

Lab Sample ID: 500-211019-10

Date Collected: 01/14/22 12:45

Matrix: Solid

Date Received: 01/15/22 10:50

Percent Solids: 78.2

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<36		79	36	ug/Kg	☆	01/14/22 12:45	01/24/22 18:33	50
1,1,1-Trichloroethane	<30		79	30	ug/Kg	☆	01/14/22 12:45	01/24/22 18:33	50
1,1,2,2-Tetrachloroethane	<31		79	31	ug/Kg	☆	01/14/22 12:45	01/24/22 18:33	50
1,1,2-Trichloroethane	<28		79	28	ug/Kg	☆	01/14/22 12:45	01/24/22 18:33	50
1,1-Dichloroethane	<32	+	79	32	ug/Kg	☆	01/14/22 12:45	01/24/22 18:33	50
1,1-Dichloroethene	<31		79	31	ug/Kg	☆	01/14/22 12:45	01/24/22 18:33	50
1,1-Dichloropropene	<23		79	23	ug/Kg	☆	01/14/22 12:45	01/24/22 18:33	50
1,2,3-Trichlorobenzene	<36		79	36	ug/Kg	☆	01/14/22 12:45	01/24/22 18:33	50
1,2,3-Trichloropropane	<33		160	33	ug/Kg	☆	01/14/22 12:45	01/24/22 18:33	50
1,2,4-Trichlorobenzene	<27		79	27	ug/Kg	☆	01/14/22 12:45	01/24/22 18:33	50
1,2,4-Trimethylbenzene	<28		79	28	ug/Kg	☆	01/14/22 12:45	01/24/22 18:33	50
1,2-Dibromo-3-Chloropropane	<160		390	160	ug/Kg	☆	01/14/22 12:45	01/24/22 18:33	50
1,2-Dibromoethane	<30		79	30	ug/Kg	☆	01/14/22 12:45	01/24/22 18:33	50
1,2-Dichlorobenzene	<26		79	26	ug/Kg	☆	01/14/22 12:45	01/24/22 18:33	50
1,2-Dichloroethane	<31		79	31	ug/Kg	☆	01/14/22 12:45	01/24/22 18:33	50
1,2-Dichloropropane	<34		79	34	ug/Kg	☆	01/14/22 12:45	01/24/22 18:33	50
1,3,5-Trimethylbenzene	<30		79	30	ug/Kg	☆	01/14/22 12:45	01/24/22 18:33	50
1,3-Dichlorobenzene	<31		79	31	ug/Kg	☆	01/14/22 12:45	01/24/22 18:33	50
1,3-Dichloropropane	<29		79	29	ug/Kg	☆	01/14/22 12:45	01/24/22 18:33	50
1,4-Dichlorobenzene	<29		79	29	ug/Kg	☆	01/14/22 12:45	01/24/22 18:33	50
2,2-Dichloropropane	<35	+	79	35	ug/Kg	☆	01/14/22 12:45	01/24/22 18:33	50
2-Chlorotoluene	<25		79	25	ug/Kg	☆	01/14/22 12:45	01/24/22 18:33	50
4-Chlorotoluene	<28		79	28	ug/Kg	☆	01/14/22 12:45	01/24/22 18:33	50
Benzene	<11		20	11	ug/Kg	☆	01/14/22 12:45	01/24/22 18:33	50
Bromobenzene	<28		79	28	ug/Kg	☆	01/14/22 12:45	01/24/22 18:33	50
Bromochloromethane	<34		79	34	ug/Kg	☆	01/14/22 12:45	01/24/22 18:33	50
Bromodichloromethane	<29		79	29	ug/Kg	☆	01/14/22 12:45	01/24/22 18:33	50
Bromoform	<38		79	38	ug/Kg	☆	01/14/22 12:45	01/24/22 18:33	50
Bromomethane	<63		240	63	ug/Kg	☆	01/14/22 12:45	01/24/22 18:33	50
Carbon tetrachloride	<30		79	30	ug/Kg	☆	01/14/22 12:45	01/24/22 18:33	50
Chlorobenzene	<30		79	30	ug/Kg	☆	01/14/22 12:45	01/24/22 18:33	50
Chloroethane	<40		79	40	ug/Kg	☆	01/14/22 12:45	01/24/22 18:33	50
Chloroform	<29		160	29	ug/Kg	☆	01/14/22 12:45	01/24/22 18:33	50
Chloromethane	<25		79	25	ug/Kg	☆	01/14/22 12:45	01/24/22 18:33	50
cis-1,2-Dichloroethene	<32		79	32	ug/Kg	☆	01/14/22 12:45	01/24/22 18:33	50
cis-1,3-Dichloropropene	<33		79	33	ug/Kg	☆	01/14/22 12:45	01/24/22 18:33	50
Dibromochloromethane	<38		79	38	ug/Kg	☆	01/14/22 12:45	01/24/22 18:33	50
Dibromomethane	<21		79	21	ug/Kg	☆	01/14/22 12:45	01/24/22 18:33	50
Dichlorodifluoromethane	<53		240	53	ug/Kg	☆	01/14/22 12:45	01/24/22 18:33	50
Ethylbenzene	<14		20	14	ug/Kg	☆	01/14/22 12:45	01/24/22 18:33	50
Hexachlorobutadiene	<35		79	35	ug/Kg	☆	01/14/22 12:45	01/24/22 18:33	50
Isopropyl ether	<22		79	22	ug/Kg	☆	01/14/22 12:45	01/24/22 18:33	50
Isopropylbenzene	<30	+	79	30	ug/Kg	☆	01/14/22 12:45	01/24/22 18:33	50
Methyl tert-butyl ether	<31		79	31	ug/Kg	☆	01/14/22 12:45	01/24/22 18:33	50
Methylene Chloride	<130		390	130	ug/Kg	☆	01/14/22 12:45	01/24/22 18:33	50
Naphthalene	<26		79	26	ug/Kg	☆	01/14/22 12:45	01/24/22 18:33	50
n-Butylbenzene	<31		79	31	ug/Kg	☆	01/14/22 12:45	01/24/22 18:33	50
N-Propylbenzene	<33		79	33	ug/Kg	☆	01/14/22 12:45	01/24/22 18:33	50
p-Isopropyltoluene	<29		79	29	ug/Kg	☆	01/14/22 12:45	01/24/22 18:33	50

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Client Sample Results

Client: Stantec Consulting Corp.
Project/Site: East Mason Finger Road Parcels - 193708667

Job ID: 500-211019-1

Client Sample ID: B10 (2-4)

Lab Sample ID: 500-211019-10

Date Collected: 01/14/22 12:45

Matrix: Solid

Date Received: 01/15/22 10:50

Percent Solids: 78.2

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<31		79	31	ug/Kg	✱	01/14/22 12:45	01/24/22 18:33	50
Styrene	<30		79	30	ug/Kg	✱	01/14/22 12:45	01/24/22 18:33	50
tert-Butylbenzene	<31		79	31	ug/Kg	✱	01/14/22 12:45	01/24/22 18:33	50
Tetrachloroethene	<29		79	29	ug/Kg	✱	01/14/22 12:45	01/24/22 18:33	50
Toluene	<12		20	12	ug/Kg	✱	01/14/22 12:45	01/24/22 18:33	50
trans-1,2-Dichloroethene	<28		79	28	ug/Kg	✱	01/14/22 12:45	01/24/22 18:33	50
trans-1,3-Dichloropropene	<29		79	29	ug/Kg	✱	01/14/22 12:45	01/24/22 18:33	50
Trichloroethene	<13		39	13	ug/Kg	✱	01/14/22 12:45	01/24/22 18:33	50
Trichlorofluoromethane	<34		79	34	ug/Kg	✱	01/14/22 12:45	01/24/22 18:33	50
Vinyl chloride	<21		79	21	ug/Kg	✱	01/14/22 12:45	01/24/22 18:33	50
Xylenes, Total	<17		39	17	ug/Kg	✱	01/14/22 12:45	01/24/22 18:33	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	120		75 - 126	01/14/22 12:45	01/24/22 18:33	50
4-Bromofluorobenzene (Surr)	88		72 - 124	01/14/22 12:45	01/24/22 18:33	50
Dibromofluoromethane (Surr)	90		75 - 120	01/14/22 12:45	01/24/22 18:33	50
Toluene-d8 (Surr)	111		75 - 120	01/14/22 12:45	01/24/22 18:33	50

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<51		420	51	ug/Kg	✱	01/27/22 07:01	01/28/22 16:09	5
2-Methylnaphthalene	<38		420	38	ug/Kg	✱	01/27/22 07:01	01/28/22 16:09	5
Acenaphthene	<37		210	37	ug/Kg	✱	01/27/22 07:01	01/28/22 16:09	5
Acenaphthylene	<27		210	27	ug/Kg	✱	01/27/22 07:01	01/28/22 16:09	5
Anthracene	<35		210	35	ug/Kg	✱	01/27/22 07:01	01/28/22 16:09	5
Benzo[a]anthracene	<28		210	28	ug/Kg	✱	01/27/22 07:01	01/28/22 16:09	5
Benzo[a]pyrene	<40		210	40	ug/Kg	✱	01/27/22 07:01	01/28/22 16:09	5
Benzo[b]fluoranthene	<45		210	45	ug/Kg	✱	01/27/22 07:01	01/28/22 16:09	5
Benzo[g,h,i]perylene	<67		210	67	ug/Kg	✱	01/27/22 07:01	01/28/22 16:09	5
Benzo[k]fluoranthene	<61		210	61	ug/Kg	✱	01/27/22 07:01	01/28/22 16:09	5
Chrysene	<57		210	57	ug/Kg	✱	01/27/22 07:01	01/28/22 16:09	5
Dibenz(a,h)anthracene	<40		210	40	ug/Kg	✱	01/27/22 07:01	01/28/22 16:09	5
Fluoranthene	<39		210	39	ug/Kg	✱	01/27/22 07:01	01/28/22 16:09	5
Fluorene	<29		210	29	ug/Kg	✱	01/27/22 07:01	01/28/22 16:09	5
Indeno[1,2,3-cd]pyrene	<54		210	54	ug/Kg	✱	01/27/22 07:01	01/28/22 16:09	5
Naphthalene	<32		210	32	ug/Kg	✱	01/27/22 07:01	01/28/22 16:09	5
Phenanthrene	<29		210	29	ug/Kg	✱	01/27/22 07:01	01/28/22 16:09	5
Pyrene	<41		210	41	ug/Kg	✱	01/27/22 07:01	01/28/22 16:09	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	73		43 - 145	01/27/22 07:01	01/28/22 16:09	5
Nitrobenzene-d5 (Surr)	76		37 - 147	01/27/22 07:01	01/28/22 16:09	5
Terphenyl-d14 (Surr)	91		42 - 157	01/27/22 07:01	01/28/22 16:09	5

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.7		1.2	0.42	mg/Kg	✱	01/29/22 09:47	01/31/22 12:06	1
Barium	50		1.2	0.14	mg/Kg	✱	01/29/22 09:47	01/31/22 12:06	1
Cadmium	0.24	J B	0.25	0.045	mg/Kg	✱	01/29/22 09:47	01/31/22 12:06	1
Chromium	13		1.2	0.61	mg/Kg	✱	01/29/22 09:47	01/31/22 12:06	1

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Client Sample Results

Client: Stantec Consulting Corp.
Project/Site: East Mason Finger Road Parcels - 193708667

Job ID: 500-211019-1

Client Sample ID: B10 (2-4)

Date Collected: 01/14/22 12:45

Date Received: 01/15/22 10:50

Lab Sample ID: 500-211019-10

Matrix: Solid

Percent Solids: 78.2

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	5.5		0.62	0.29	mg/Kg	✱	01/29/22 09:47	01/31/22 12:06	1
Selenium	<0.73		1.2	0.73	mg/Kg	✱	01/29/22 09:47	01/31/22 12:06	1
Silver	0.18	J	0.62	0.16	mg/Kg	✱	01/29/22 09:47	01/31/22 12:06	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0097	J	0.020	0.0067	mg/Kg	✱	01/26/22 15:30	01/27/22 10:39	1

Client Sample Results

Client: Stantec Consulting Corp.
Project/Site: East Mason Finger Road Parcels - 193708667

Job ID: 500-211019-1

Client Sample ID: B11 (2-4)

Lab Sample ID: 500-211019-11

Date Collected: 01/14/22 13:15

Matrix: Solid

Date Received: 01/15/22 10:50

Percent Solids: 83.2

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<32		69	32	ug/Kg	☆	01/14/22 13:15	01/24/22 18:57	50
1,1,1-Trichloroethane	<26		69	26	ug/Kg	☆	01/14/22 13:15	01/24/22 18:57	50
1,1,2,2-Tetrachloroethane	<28		69	28	ug/Kg	☆	01/14/22 13:15	01/24/22 18:57	50
1,1,2-Trichloroethane	<24		69	24	ug/Kg	☆	01/14/22 13:15	01/24/22 18:57	50
1,1-Dichloroethane	<28	+	69	28	ug/Kg	☆	01/14/22 13:15	01/24/22 18:57	50
1,1-Dichloroethene	<27		69	27	ug/Kg	☆	01/14/22 13:15	01/24/22 18:57	50
1,1-Dichloropropene	<21		69	21	ug/Kg	☆	01/14/22 13:15	01/24/22 18:57	50
1,2,3-Trichlorobenzene	<32		69	32	ug/Kg	☆	01/14/22 13:15	01/24/22 18:57	50
1,2,3-Trichloropropane	<29		140	29	ug/Kg	☆	01/14/22 13:15	01/24/22 18:57	50
1,2,4-Trichlorobenzene	<24		69	24	ug/Kg	☆	01/14/22 13:15	01/24/22 18:57	50
1,2,4-Trimethylbenzene	<25		69	25	ug/Kg	☆	01/14/22 13:15	01/24/22 18:57	50
1,2-Dibromo-3-Chloropropane	<140		350	140	ug/Kg	☆	01/14/22 13:15	01/24/22 18:57	50
1,2-Dibromoethane	<27		69	27	ug/Kg	☆	01/14/22 13:15	01/24/22 18:57	50
1,2-Dichlorobenzene	<23		69	23	ug/Kg	☆	01/14/22 13:15	01/24/22 18:57	50
1,2-Dichloroethane	<27		69	27	ug/Kg	☆	01/14/22 13:15	01/24/22 18:57	50
1,2-Dichloropropane	<30		69	30	ug/Kg	☆	01/14/22 13:15	01/24/22 18:57	50
1,3,5-Trimethylbenzene	<26		69	26	ug/Kg	☆	01/14/22 13:15	01/24/22 18:57	50
1,3-Dichlorobenzene	<28		69	28	ug/Kg	☆	01/14/22 13:15	01/24/22 18:57	50
1,3-Dichloropropane	<25		69	25	ug/Kg	☆	01/14/22 13:15	01/24/22 18:57	50
1,4-Dichlorobenzene	<25		69	25	ug/Kg	☆	01/14/22 13:15	01/24/22 18:57	50
2,2-Dichloropropane	<31	+	69	31	ug/Kg	☆	01/14/22 13:15	01/24/22 18:57	50
2-Chlorotoluene	<22		69	22	ug/Kg	☆	01/14/22 13:15	01/24/22 18:57	50
4-Chlorotoluene	<24		69	24	ug/Kg	☆	01/14/22 13:15	01/24/22 18:57	50
Benzene	<10		17	10	ug/Kg	☆	01/14/22 13:15	01/24/22 18:57	50
Bromobenzene	<25		69	25	ug/Kg	☆	01/14/22 13:15	01/24/22 18:57	50
Bromochloromethane	<30		69	30	ug/Kg	☆	01/14/22 13:15	01/24/22 18:57	50
Bromodichloromethane	<26		69	26	ug/Kg	☆	01/14/22 13:15	01/24/22 18:57	50
Bromoform	<34		69	34	ug/Kg	☆	01/14/22 13:15	01/24/22 18:57	50
Bromomethane	<55		210	55	ug/Kg	☆	01/14/22 13:15	01/24/22 18:57	50
Carbon tetrachloride	<27		69	27	ug/Kg	☆	01/14/22 13:15	01/24/22 18:57	50
Chlorobenzene	<27		69	27	ug/Kg	☆	01/14/22 13:15	01/24/22 18:57	50
Chloroethane	<35		69	35	ug/Kg	☆	01/14/22 13:15	01/24/22 18:57	50
Chloroform	<26		140	26	ug/Kg	☆	01/14/22 13:15	01/24/22 18:57	50
Chloromethane	<22		69	22	ug/Kg	☆	01/14/22 13:15	01/24/22 18:57	50
cis-1,2-Dichloroethene	<28		69	28	ug/Kg	☆	01/14/22 13:15	01/24/22 18:57	50
cis-1,3-Dichloropropene	<29		69	29	ug/Kg	☆	01/14/22 13:15	01/24/22 18:57	50
Dibromochloromethane	<34		69	34	ug/Kg	☆	01/14/22 13:15	01/24/22 18:57	50
Dibromomethane	<19		69	19	ug/Kg	☆	01/14/22 13:15	01/24/22 18:57	50
Dichlorodifluoromethane	<47		210	47	ug/Kg	☆	01/14/22 13:15	01/24/22 18:57	50
Ethylbenzene	<13		17	13	ug/Kg	☆	01/14/22 13:15	01/24/22 18:57	50
Hexachlorobutadiene	<31		69	31	ug/Kg	☆	01/14/22 13:15	01/24/22 18:57	50
Isopropyl ether	<19		69	19	ug/Kg	☆	01/14/22 13:15	01/24/22 18:57	50
Isopropylbenzene	<27	+	69	27	ug/Kg	☆	01/14/22 13:15	01/24/22 18:57	50
Methyl tert-butyl ether	<27		69	27	ug/Kg	☆	01/14/22 13:15	01/24/22 18:57	50
Methylene Chloride	<110		350	110	ug/Kg	☆	01/14/22 13:15	01/24/22 18:57	50
Naphthalene	<23		69	23	ug/Kg	☆	01/14/22 13:15	01/24/22 18:57	50
n-Butylbenzene	<27		69	27	ug/Kg	☆	01/14/22 13:15	01/24/22 18:57	50
N-Propylbenzene	<29		69	29	ug/Kg	☆	01/14/22 13:15	01/24/22 18:57	50
p-Isopropyltoluene	<25		69	25	ug/Kg	☆	01/14/22 13:15	01/24/22 18:57	50

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Client Sample Results

Client: Stantec Consulting Corp.
Project/Site: East Mason Finger Road Parcels - 193708667

Job ID: 500-211019-1

Client Sample ID: B11 (2-4)

Lab Sample ID: 500-211019-11

Date Collected: 01/14/22 13:15

Matrix: Solid

Date Received: 01/15/22 10:50

Percent Solids: 83.2

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<28		69	28	ug/Kg	✱	01/14/22 13:15	01/24/22 18:57	50
Styrene	<27		69	27	ug/Kg	✱	01/14/22 13:15	01/24/22 18:57	50
tert-Butylbenzene	<28		69	28	ug/Kg	✱	01/14/22 13:15	01/24/22 18:57	50
Tetrachloroethene	<26		69	26	ug/Kg	✱	01/14/22 13:15	01/24/22 18:57	50
Toluene	<10		17	10	ug/Kg	✱	01/14/22 13:15	01/24/22 18:57	50
trans-1,2-Dichloroethene	<24		69	24	ug/Kg	✱	01/14/22 13:15	01/24/22 18:57	50
trans-1,3-Dichloropropene	<25		69	25	ug/Kg	✱	01/14/22 13:15	01/24/22 18:57	50
Trichloroethene	<11		35	11	ug/Kg	✱	01/14/22 13:15	01/24/22 18:57	50
Trichlorofluoromethane	<30		69	30	ug/Kg	✱	01/14/22 13:15	01/24/22 18:57	50
Vinyl chloride	<18		69	18	ug/Kg	✱	01/14/22 13:15	01/24/22 18:57	50
Xylenes, Total	<15		35	15	ug/Kg	✱	01/14/22 13:15	01/24/22 18:57	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	121		75 - 126	01/14/22 13:15	01/24/22 18:57	50
4-Bromofluorobenzene (Surr)	84		72 - 124	01/14/22 13:15	01/24/22 18:57	50
Dibromofluoromethane (Surr)	92		75 - 120	01/14/22 13:15	01/24/22 18:57	50
Toluene-d8 (Surr)	112		75 - 120	01/14/22 13:15	01/24/22 18:57	50

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<9.5		78	9.5	ug/Kg	✱	01/27/22 07:01	01/28/22 16:33	1
2-Methylnaphthalene	<7.1		78	7.1	ug/Kg	✱	01/27/22 07:01	01/28/22 16:33	1
Acenaphthene	<7.0		38	7.0	ug/Kg	✱	01/27/22 07:01	01/28/22 16:33	1
Acenaphthylene	<5.1		38	5.1	ug/Kg	✱	01/27/22 07:01	01/28/22 16:33	1
Anthracene	<6.5		38	6.5	ug/Kg	✱	01/27/22 07:01	01/28/22 16:33	1
Benzo[a]anthracene	<5.2		38	5.2	ug/Kg	✱	01/27/22 07:01	01/28/22 16:33	1
Benzo[a]pyrene	<7.5		38	7.5	ug/Kg	✱	01/27/22 07:01	01/28/22 16:33	1
Benzo[b]fluoranthene	<8.4		38	8.4	ug/Kg	✱	01/27/22 07:01	01/28/22 16:33	1
Benzo[g,h,i]perylene	<12		38	12	ug/Kg	✱	01/27/22 07:01	01/28/22 16:33	1
Benzo[k]fluoranthene	<11		38	11	ug/Kg	✱	01/27/22 07:01	01/28/22 16:33	1
Chrysene	<11		38	11	ug/Kg	✱	01/27/22 07:01	01/28/22 16:33	1
Dibenz(a,h)anthracene	<7.5		38	7.5	ug/Kg	✱	01/27/22 07:01	01/28/22 16:33	1
Fluoranthene	<7.2		38	7.2	ug/Kg	✱	01/27/22 07:01	01/28/22 16:33	1
Fluorene	<5.4		38	5.4	ug/Kg	✱	01/27/22 07:01	01/28/22 16:33	1
Indeno[1,2,3-cd]pyrene	<10		38	10	ug/Kg	✱	01/27/22 07:01	01/28/22 16:33	1
Naphthalene	<6.0		38	6.0	ug/Kg	✱	01/27/22 07:01	01/28/22 16:33	1
Phenanthrene	<5.4		38	5.4	ug/Kg	✱	01/27/22 07:01	01/28/22 16:33	1
Pyrene	<7.7		38	7.7	ug/Kg	✱	01/27/22 07:01	01/28/22 16:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	77		43 - 145	01/27/22 07:01	01/28/22 16:33	1
Nitrobenzene-d5 (Surr)	68		37 - 147	01/27/22 07:01	01/28/22 16:33	1
Terphenyl-d14 (Surr)	85		42 - 157	01/27/22 07:01	01/28/22 16:33	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.9		1.0	0.35	mg/Kg	✱	01/29/22 09:47	01/31/22 12:09	1
Barium	87		1.0	0.12	mg/Kg	✱	01/29/22 09:47	01/31/22 12:09	1
Cadmium	0.096	J B	0.21	0.037	mg/Kg	✱	01/29/22 09:47	01/31/22 12:09	1
Chromium	24		1.0	0.51	mg/Kg	✱	01/29/22 09:47	01/31/22 12:09	1

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Client Sample Results

Client: Stantec Consulting Corp.
Project/Site: East Mason Finger Road Parcels - 193708667

Job ID: 500-211019-1

Client Sample ID: B11 (2-4)

Lab Sample ID: 500-211019-11

Date Collected: 01/14/22 13:15

Matrix: Solid

Date Received: 01/15/22 10:50

Percent Solids: 83.2

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	7.2		0.51	0.24	mg/Kg	✱	01/29/22 09:47	01/31/22 12:09	1
Selenium	<0.60		1.0	0.60	mg/Kg	✱	01/29/22 09:47	01/31/22 12:09	1
Silver	0.51		0.51	0.13	mg/Kg	✱	01/29/22 09:47	01/31/22 12:09	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.019	J	0.020	0.0065	mg/Kg	✱	01/26/22 15:30	01/27/22 10:41	1

Definitions/Glossary

Client: Stantec Consulting Corp.

Job ID: 500-211019-1

Project/Site: East Mason Finger Road Parcels - 193708667

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
F1	MS and/or MSD recovery exceeds control limits.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

QC Association Summary

Client: Stantec Consulting Corp.
Project/Site: East Mason Finger Road Parcels - 193708667

Job ID: 500-211019-1

GC/MS VOA

Prep Batch: 638012

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-211019-1	B1 (0-2)	Total/NA	Solid	5030B	

Prep Batch: 638015

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-211019-2	B2 (0-2)	Total/NA	Solid	5035	
500-211019-3	B3 (2-4)	Total/NA	Solid	5035	
500-211019-4	B4 (2-4)	Total/NA	Solid	5035	
500-211019-5	B5 (0-2)	Total/NA	Solid	5035	
500-211019-6	B6 (2-4)	Total/NA	Solid	5035	
500-211019-7	B7 (2-4)	Total/NA	Solid	5035	
500-211019-8	B8 (2-4)	Total/NA	Solid	5035	
500-211019-9	B9 (2-4)	Total/NA	Solid	5035	
500-211019-10	B10 (2-4)	Total/NA	Solid	5035	
500-211019-11	B11 (2-4)	Total/NA	Solid	5035	
LB3 500-638015/20-A	Method Blank	Total/NA	Solid	5035	
LCS 500-638015/21-A	Lab Control Sample	Total/NA	Solid	5035	
500-211019-2 MS	B2 (0-2)	Total/NA	Solid	5035	
500-211019-2 MSD	B2 (0-2)	Total/NA	Solid	5035	

Analysis Batch: 638512

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-211019-2	B2 (0-2)	Total/NA	Solid	8260B	638015
500-211019-3	B3 (2-4)	Total/NA	Solid	8260B	638015
500-211019-4	B4 (2-4)	Total/NA	Solid	8260B	638015
500-211019-5	B5 (0-2)	Total/NA	Solid	8260B	638015
500-211019-6	B6 (2-4)	Total/NA	Solid	8260B	638015
LB3 500-638015/20-A	Method Blank	Total/NA	Solid	8260B	638015
MB 500-638512/7	Method Blank	Total/NA	Solid	8260B	
LCS 500-638015/21-A	Lab Control Sample	Total/NA	Solid	8260B	638015
LCS 500-638512/32	Lab Control Sample	Total/NA	Solid	8260B	
500-211019-2 MS	B2 (0-2)	Total/NA	Solid	8260B	638015
500-211019-2 MSD	B2 (0-2)	Total/NA	Solid	8260B	638015

Analysis Batch: 639103

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-211019-1	B1 (0-2)	Total/NA	Solid	8260B	638012
500-211019-7	B7 (2-4)	Total/NA	Solid	8260B	638015
500-211019-8	B8 (2-4)	Total/NA	Solid	8260B	638015
500-211019-9	B9 (2-4)	Total/NA	Solid	8260B	638015
500-211019-10	B10 (2-4)	Total/NA	Solid	8260B	638015
500-211019-11	B11 (2-4)	Total/NA	Solid	8260B	638015
MB 500-639103/7	Method Blank	Total/NA	Solid	8260B	
LCS 500-639103/5	Lab Control Sample	Total/NA	Solid	8260B	

GC/MS Semi VOA

Prep Batch: 639677

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-211019-1	B1 (0-2)	Total/NA	Solid	3541	
500-211019-2	B2 (0-2)	Total/NA	Solid	3541	
500-211019-3	B3 (2-4)	Total/NA	Solid	3541	

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QC Association Summary

Client: Stantec Consulting Corp.
Project/Site: East Mason Finger Road Parcels - 193708667

Job ID: 500-211019-1

GC/MS Semi VOA (Continued)

Prep Batch: 639677 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-211019-4	B4 (2-4)	Total/NA	Solid	3541	
500-211019-5	B5 (0-2)	Total/NA	Solid	3541	
500-211019-6	B6 (2-4)	Total/NA	Solid	3541	
500-211019-7	B7 (2-4)	Total/NA	Solid	3541	
500-211019-8	B8 (2-4)	Total/NA	Solid	3541	
500-211019-9	B9 (2-4)	Total/NA	Solid	3541	
500-211019-10	B10 (2-4)	Total/NA	Solid	3541	
500-211019-11	B11 (2-4)	Total/NA	Solid	3541	
MB 500-639677/1-A	Method Blank	Total/NA	Solid	3541	
LCS 500-639677/2-A	Lab Control Sample	Total/NA	Solid	3541	
500-211019-2 MS	B2 (0-2)	Total/NA	Solid	3541	
500-211019-2 MSD	B2 (0-2)	Total/NA	Solid	3541	

Analysis Batch: 639862

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-211019-1	B1 (0-2)	Total/NA	Solid	8270D	639677
500-211019-2	B2 (0-2)	Total/NA	Solid	8270D	639677
500-211019-3	B3 (2-4)	Total/NA	Solid	8270D	639677
500-211019-4	B4 (2-4)	Total/NA	Solid	8270D	639677
500-211019-5	B5 (0-2)	Total/NA	Solid	8270D	639677
500-211019-6	B6 (2-4)	Total/NA	Solid	8270D	639677
500-211019-7	B7 (2-4)	Total/NA	Solid	8270D	639677
500-211019-8	B8 (2-4)	Total/NA	Solid	8270D	639677
500-211019-9	B9 (2-4)	Total/NA	Solid	8270D	639677
500-211019-10	B10 (2-4)	Total/NA	Solid	8270D	639677
500-211019-11	B11 (2-4)	Total/NA	Solid	8270D	639677
MB 500-639677/1-A	Method Blank	Total/NA	Solid	8270D	639677
LCS 500-639677/2-A	Lab Control Sample	Total/NA	Solid	8270D	639677
500-211019-2 MS	B2 (0-2)	Total/NA	Solid	8270D	639677
500-211019-2 MSD	B2 (0-2)	Total/NA	Solid	8270D	639677

Metals

Prep Batch: 639630

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-211019-3	B3 (2-4)	Total/NA	Solid	7471B	
500-211019-4	B4 (2-4)	Total/NA	Solid	7471B	
500-211019-8	B8 (2-4)	Total/NA	Solid	7471B	
500-211019-9	B9 (2-4)	Total/NA	Solid	7471B	
500-211019-10	B10 (2-4)	Total/NA	Solid	7471B	
500-211019-11	B11 (2-4)	Total/NA	Solid	7471B	
MB 500-639630/12-A	Method Blank	Total/NA	Solid	7471B	
LCS 500-639630/13-A	Lab Control Sample	Total/NA	Solid	7471B	

Analysis Batch: 639790

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-211019-3	B3 (2-4)	Total/NA	Solid	7471B	639630
500-211019-4	B4 (2-4)	Total/NA	Solid	7471B	639630
500-211019-8	B8 (2-4)	Total/NA	Solid	7471B	639630
500-211019-9	B9 (2-4)	Total/NA	Solid	7471B	639630
500-211019-10	B10 (2-4)	Total/NA	Solid	7471B	639630

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QC Association Summary

Client: Stantec Consulting Corp.
Project/Site: East Mason Finger Road Parcels - 193708667

Job ID: 500-211019-1

Metals (Continued)

Analysis Batch: 639790 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-211019-11	B11 (2-4)	Total/NA	Solid	7471B	639630
MB 500-639630/12-A	Method Blank	Total/NA	Solid	7471B	639630
LCS 500-639630/13-A	Lab Control Sample	Total/NA	Solid	7471B	639630

Prep Batch: 640053

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-211019-1	B1 (0-2)	Total/NA	Solid	3050B	
500-211019-2	B2 (0-2)	Total/NA	Solid	3050B	
500-211019-3	B3 (2-4)	Total/NA	Solid	3050B	
500-211019-4	B4 (2-4)	Total/NA	Solid	3050B	
500-211019-5	B5 (0-2)	Total/NA	Solid	3050B	
500-211019-6	B6 (2-4)	Total/NA	Solid	3050B	
500-211019-7	B7 (2-4)	Total/NA	Solid	3050B	
500-211019-8	B8 (2-4)	Total/NA	Solid	3050B	
500-211019-9	B9 (2-4)	Total/NA	Solid	3050B	
500-211019-10	B10 (2-4)	Total/NA	Solid	3050B	
500-211019-11	B11 (2-4)	Total/NA	Solid	3050B	
MB 500-640053/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 500-640053/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Analysis Batch: 640262

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-211019-1	B1 (0-2)	Total/NA	Solid	6010C	640053
500-211019-2	B2 (0-2)	Total/NA	Solid	6010C	640053
500-211019-3	B3 (2-4)	Total/NA	Solid	6010C	640053
500-211019-4	B4 (2-4)	Total/NA	Solid	6010C	640053
500-211019-5	B5 (0-2)	Total/NA	Solid	6010C	640053
500-211019-6	B6 (2-4)	Total/NA	Solid	6010C	640053
500-211019-7	B7 (2-4)	Total/NA	Solid	6010C	640053
500-211019-8	B8 (2-4)	Total/NA	Solid	6010C	640053
500-211019-9	B9 (2-4)	Total/NA	Solid	6010C	640053
500-211019-10	B10 (2-4)	Total/NA	Solid	6010C	640053
500-211019-11	B11 (2-4)	Total/NA	Solid	6010C	640053
MB 500-640053/1-A	Method Blank	Total/NA	Solid	6010C	640053
LCS 500-640053/2-A	Lab Control Sample	Total/NA	Solid	6010C	640053

General Chemistry

Analysis Batch: 639655

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-211019-1	B1 (0-2)	Total/NA	Solid	Moisture	
500-211019-2	B2 (0-2)	Total/NA	Solid	Moisture	
500-211019-3	B3 (2-4)	Total/NA	Solid	Moisture	
500-211019-4	B4 (2-4)	Total/NA	Solid	Moisture	
500-211019-5	B5 (0-2)	Total/NA	Solid	Moisture	
500-211019-6	B6 (2-4)	Total/NA	Solid	Moisture	
500-211019-7	B7 (2-4)	Total/NA	Solid	Moisture	
500-211019-8	B8 (2-4)	Total/NA	Solid	Moisture	
500-211019-9	B9 (2-4)	Total/NA	Solid	Moisture	
500-211019-10	B10 (2-4)	Total/NA	Solid	Moisture	
500-211019-11	B11 (2-4)	Total/NA	Solid	Moisture	

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QC Association Summary

Client: Stantec Consulting Corp.
Project/Site: East Mason Finger Road Parcels - 193708667

Job ID: 500-211019-1

General Chemistry (Continued)

Analysis Batch: 639655 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-211019-3 DU	B3 (2-4)	Total/NA	Solid	Moisture	

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Surrogate Summary

Client: Stantec Consulting Corp.
Project/Site: East Mason Finger Road Parcels - 193708667

Job ID: 500-211019-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (75-126)	TOL (75-120)	BFB (72-124)	DBFM (75-120)
500-211019-1	B1 (0-2)	120	112	87	94
500-211019-2	B2 (0-2)	113	98	98	103
500-211019-2 MS	B2 (0-2)	106	102	97	98
500-211019-2 MSD	B2 (0-2)	104	100	101	95
500-211019-3	B3 (2-4)	113	97	99	104
500-211019-4	B4 (2-4)	115	98	96	107
500-211019-5	B5 (0-2)	111	98	101	103
500-211019-6	B6 (2-4)	113	98	98	106
500-211019-7	B7 (2-4)	119	112	89	93
500-211019-8	B8 (2-4)	119	113	88	95
500-211019-9	B9 (2-4)	122	112	85	94
500-211019-10	B10 (2-4)	120	111	88	90
500-211019-11	B11 (2-4)	121	112	84	92
LB3 500-638015/20-A	Method Blank	114	98	98	107
LCS 500-638015/21-A	Lab Control Sample	105	100	101	98
LCS 500-638512/32	Lab Control Sample	106	101	101	96
LCS 500-639103/5	Lab Control Sample	117	109	99	98
MB 500-638512/7	Method Blank	109	97	99	103
MB 500-639103/7	Method Blank	118	114	84	98

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		FBP (43-145)	NBZ (37-147)	TPHL (42-157)
500-211019-1	B1 (0-2)	93	80	87
500-211019-2	B2 (0-2)	94	79	84
500-211019-2 MS	B2 (0-2)	85	85	79
500-211019-2 MSD	B2 (0-2)	82	86	83
500-211019-3	B3 (2-4)	95	83	85
500-211019-4	B4 (2-4)	89	81	85
500-211019-5	B5 (0-2)	85	80	84
500-211019-6	B6 (2-4)	88	79	84
500-211019-7	B7 (2-4)	80	74	86
500-211019-8	B8 (2-4)	92	75	83
500-211019-9	B9 (2-4)	76	68	78
500-211019-10	B10 (2-4)	73	76	91
500-211019-11	B11 (2-4)	77	68	85
LCS 500-639677/2-A	Lab Control Sample	89	88	87
MB 500-639677/1-A	Method Blank	90	75	86

Surrogate Legend

FBP = 2-Fluorobiphenyl (Surr)

NBZ = Nitrobenzene-d5 (Surr)

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Surrogate Summary

Client: Stantec Consulting Corp.
Project/Site: East Mason Finger Road Parcels - 193708667
TPHL = Terphenyl-d14 (Surr)

Job ID: 500-211019-1

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QC Sample Results

Client: Stantec Consulting Corp.
Project/Site: East Mason Finger Road Parcels - 193708667

Job ID: 500-211019-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: LB3 500-638015/20-A

Matrix: Solid

Analysis Batch: 638512

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 638015

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<23		50	23	ug/Kg		01/16/22 20:20	01/19/22 18:04	50
1,1,1-Trichloroethane	<19		50	19	ug/Kg		01/16/22 20:20	01/19/22 18:04	50
1,1,2,2-Tetrachloroethane	<20		50	20	ug/Kg		01/16/22 20:20	01/19/22 18:04	50
1,1,2-Trichloroethane	<18		50	18	ug/Kg		01/16/22 20:20	01/19/22 18:04	50
1,1-Dichloroethane	<21		50	21	ug/Kg		01/16/22 20:20	01/19/22 18:04	50
1,1-Dichloroethene	<20		50	20	ug/Kg		01/16/22 20:20	01/19/22 18:04	50
1,1-Dichloropropene	<15		50	15	ug/Kg		01/16/22 20:20	01/19/22 18:04	50
1,2,3-Trichlorobenzene	<23		50	23	ug/Kg		01/16/22 20:20	01/19/22 18:04	50
1,2,3-Trichloropropane	<21		100	21	ug/Kg		01/16/22 20:20	01/19/22 18:04	50
1,2,4-Trichlorobenzene	<17		50	17	ug/Kg		01/16/22 20:20	01/19/22 18:04	50
1,2,4-Trimethylbenzene	<18		50	18	ug/Kg		01/16/22 20:20	01/19/22 18:04	50
1,2-Dibromo-3-Chloropropane	<100		250	100	ug/Kg		01/16/22 20:20	01/19/22 18:04	50
1,2-Dibromoethane	<19		50	19	ug/Kg		01/16/22 20:20	01/19/22 18:04	50
1,2-Dichlorobenzene	<17		50	17	ug/Kg		01/16/22 20:20	01/19/22 18:04	50
1,2-Dichloroethane	<20		50	20	ug/Kg		01/16/22 20:20	01/19/22 18:04	50
1,2-Dichloropropane	<21		50	21	ug/Kg		01/16/22 20:20	01/19/22 18:04	50
1,3,5-Trimethylbenzene	<19		50	19	ug/Kg		01/16/22 20:20	01/19/22 18:04	50
1,3-Dichlorobenzene	<20		50	20	ug/Kg		01/16/22 20:20	01/19/22 18:04	50
1,3-Dichloropropane	<18		50	18	ug/Kg		01/16/22 20:20	01/19/22 18:04	50
1,4-Dichlorobenzene	<18		50	18	ug/Kg		01/16/22 20:20	01/19/22 18:04	50
2,2-Dichloropropane	<22		50	22	ug/Kg		01/16/22 20:20	01/19/22 18:04	50
2-Chlorotoluene	<16		50	16	ug/Kg		01/16/22 20:20	01/19/22 18:04	50
4-Chlorotoluene	<18		50	18	ug/Kg		01/16/22 20:20	01/19/22 18:04	50
Benzene	<7.3		13	7.3	ug/Kg		01/16/22 20:20	01/19/22 18:04	50
Bromobenzene	<18		50	18	ug/Kg		01/16/22 20:20	01/19/22 18:04	50
Bromochloromethane	<21		50	21	ug/Kg		01/16/22 20:20	01/19/22 18:04	50
Bromodichloromethane	<19		50	19	ug/Kg		01/16/22 20:20	01/19/22 18:04	50
Bromoform	<24		50	24	ug/Kg		01/16/22 20:20	01/19/22 18:04	50
Bromomethane	<40		150	40	ug/Kg		01/16/22 20:20	01/19/22 18:04	50
Carbon tetrachloride	<19		50	19	ug/Kg		01/16/22 20:20	01/19/22 18:04	50
Chlorobenzene	<19		50	19	ug/Kg		01/16/22 20:20	01/19/22 18:04	50
Chloroethane	<25		50	25	ug/Kg		01/16/22 20:20	01/19/22 18:04	50
Chloroform	<19		100	19	ug/Kg		01/16/22 20:20	01/19/22 18:04	50
Chloromethane	<16		50	16	ug/Kg		01/16/22 20:20	01/19/22 18:04	50
cis-1,2-Dichloroethene	<20		50	20	ug/Kg		01/16/22 20:20	01/19/22 18:04	50
cis-1,3-Dichloropropene	<21		50	21	ug/Kg		01/16/22 20:20	01/19/22 18:04	50
Dibromochloromethane	<24		50	24	ug/Kg		01/16/22 20:20	01/19/22 18:04	50
Dibromomethane	<14		50	14	ug/Kg		01/16/22 20:20	01/19/22 18:04	50
Dichlorodifluoromethane	<34		150	34	ug/Kg		01/16/22 20:20	01/19/22 18:04	50
Ethylbenzene	<9.2		13	9.2	ug/Kg		01/16/22 20:20	01/19/22 18:04	50
Hexachlorobutadiene	<22		50	22	ug/Kg		01/16/22 20:20	01/19/22 18:04	50
Isopropyl ether	<14		50	14	ug/Kg		01/16/22 20:20	01/19/22 18:04	50
Isopropylbenzene	<19		50	19	ug/Kg		01/16/22 20:20	01/19/22 18:04	50
Methyl tert-butyl ether	<20		50	20	ug/Kg		01/16/22 20:20	01/19/22 18:04	50
Methylene Chloride	<82		250	82	ug/Kg		01/16/22 20:20	01/19/22 18:04	50
Naphthalene	<17		50	17	ug/Kg		01/16/22 20:20	01/19/22 18:04	50
n-Butylbenzene	<19		50	19	ug/Kg		01/16/22 20:20	01/19/22 18:04	50
N-Propylbenzene	<21		50	21	ug/Kg		01/16/22 20:20	01/19/22 18:04	50

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QC Sample Results

Client: Stantec Consulting Corp.
Project/Site: East Mason Finger Road Parcels - 193708667

Job ID: 500-211019-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LB3 500-638015/20-A

Matrix: Solid

Analysis Batch: 638512

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 638015

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	<18		50	18	ug/Kg		01/16/22 20:20	01/19/22 18:04	50
sec-Butylbenzene	<20		50	20	ug/Kg		01/16/22 20:20	01/19/22 18:04	50
Styrene	<19		50	19	ug/Kg		01/16/22 20:20	01/19/22 18:04	50
tert-Butylbenzene	<20		50	20	ug/Kg		01/16/22 20:20	01/19/22 18:04	50
Tetrachloroethene	<19		50	19	ug/Kg		01/16/22 20:20	01/19/22 18:04	50
Toluene	<7.4		13	7.4	ug/Kg		01/16/22 20:20	01/19/22 18:04	50
trans-1,2-Dichloroethene	<18		50	18	ug/Kg		01/16/22 20:20	01/19/22 18:04	50
trans-1,3-Dichloropropene	<18		50	18	ug/Kg		01/16/22 20:20	01/19/22 18:04	50
Trichloroethene	<8.2		25	8.2	ug/Kg		01/16/22 20:20	01/19/22 18:04	50
Trichlorofluoromethane	<21		50	21	ug/Kg		01/16/22 20:20	01/19/22 18:04	50
Vinyl chloride	<13		50	13	ug/Kg		01/16/22 20:20	01/19/22 18:04	50
Xylenes, Total	<11		25	11	ug/Kg		01/16/22 20:20	01/19/22 18:04	50

Surrogate	LB3 %Recovery	LB3 Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	114		75 - 126	01/16/22 20:20	01/19/22 18:04	50
4-Bromofluorobenzene (Surr)	98		72 - 124	01/16/22 20:20	01/19/22 18:04	50
Dibromofluoromethane (Surr)	107		75 - 120	01/16/22 20:20	01/19/22 18:04	50
Toluene-d8 (Surr)	98		75 - 120	01/16/22 20:20	01/19/22 18:04	50

Lab Sample ID: LCS 500-638015/21-A

Matrix: Solid

Analysis Batch: 638512

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 638015

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	2500	2800		ug/Kg		112	70 - 125
1,1,1-Trichloroethane	2500	2840		ug/Kg		114	70 - 125
1,1,2,2-Tetrachloroethane	2500	2600		ug/Kg		104	62 - 140
1,1,2-Trichloroethane	2500	2640		ug/Kg		106	71 - 130
1,1-Dichloroethane	2500	3180	*+	ug/Kg		127	70 - 125
1,1-Dichloroethene	2500	2830		ug/Kg		113	67 - 122
1,1-Dichloropropene	2500	2700		ug/Kg		108	70 - 121
1,2,3-Trichlorobenzene	2500	2250		ug/Kg		90	51 - 145
1,2,3-Trichloropropane	2500	2830		ug/Kg		113	50 - 133
1,2,4-Trichlorobenzene	2500	2230		ug/Kg		89	57 - 137
1,2,4-Trimethylbenzene	2500	2920		ug/Kg		117	70 - 123
1,2-Dibromo-3-Chloropropane	2500	2880		ug/Kg		115	56 - 123
1,2-Dibromoethane	2500	2590		ug/Kg		104	70 - 125
1,2-Dichlorobenzene	2500	2680		ug/Kg		107	70 - 125
1,2-Dichloroethane	2500	2830		ug/Kg		113	68 - 127
1,2-Dichloropropane	2500	3010		ug/Kg		121	67 - 130
1,3,5-Trimethylbenzene	2500	2910		ug/Kg		116	70 - 123
1,3-Dichlorobenzene	2500	2740		ug/Kg		109	70 - 125
1,3-Dichloropropane	2500	2690		ug/Kg		107	62 - 136
1,4-Dichlorobenzene	2500	2640		ug/Kg		106	70 - 120
2,2-Dichloropropane	2500	2840		ug/Kg		114	58 - 139
2-Chlorotoluene	2500	2880		ug/Kg		115	70 - 125
4-Chlorotoluene	2500	2830		ug/Kg		113	68 - 124
Benzene	2500	2690		ug/Kg		108	70 - 120

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QC Sample Results

Client: Stantec Consulting Corp.
Project/Site: East Mason Finger Road Parcels - 193708667

Job ID: 500-211019-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-638015/21-A

Matrix: Solid

Analysis Batch: 638512

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 638015

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromobenzene	2500	2680		ug/Kg		107	70 - 122
Bromochloromethane	2500	2690		ug/Kg		108	65 - 122
Bromodichloromethane	2500	2520		ug/Kg		101	69 - 120
Bromoform	2500	2410		ug/Kg		96	56 - 132
Bromomethane	2500	2960		ug/Kg		118	40 - 152
Carbon tetrachloride	2500	2810		ug/Kg		112	59 - 133
Chlorobenzene	2500	2700		ug/Kg		108	70 - 120
Chloroethane	2500	2390		ug/Kg		96	48 - 136
Chloroform	2500	2610		ug/Kg		104	70 - 120
Chloromethane	2500	3230		ug/Kg		129	56 - 152
cis-1,2-Dichloroethene	2500	2710		ug/Kg		109	70 - 125
cis-1,3-Dichloropropene	2500	2600		ug/Kg		104	64 - 127
Dibromochloromethane	2500	2700		ug/Kg		108	68 - 125
Dibromomethane	2500	2460		ug/Kg		98	70 - 120
Dichlorodifluoromethane	2500	1580		ug/Kg		63	40 - 159
Ethylbenzene	2500	2790		ug/Kg		112	70 - 123
Hexachlorobutadiene	2500	2610		ug/Kg		104	51 - 150
Isopropylbenzene	2500	2850		ug/Kg		114	70 - 126
Methyl tert-butyl ether	2500	2870		ug/Kg		115	55 - 123
Methylene Chloride	2500	2700		ug/Kg		108	69 - 125
Naphthalene	2500	2370		ug/Kg		95	53 - 144
n-Butylbenzene	2500	2770		ug/Kg		111	68 - 125
N-Propylbenzene	2500	2900		ug/Kg		116	69 - 127
p-Isopropyltoluene	2500	2940		ug/Kg		117	70 - 125
sec-Butylbenzene	2500	2940		ug/Kg		118	70 - 123
Styrene	2500	2890		ug/Kg		116	70 - 120
tert-Butylbenzene	2500	2880		ug/Kg		115	70 - 121
Tetrachloroethene	2500	2640		ug/Kg		106	70 - 128
Toluene	2500	2870		ug/Kg		115	70 - 125
trans-1,2-Dichloroethene	2500	2840		ug/Kg		114	70 - 125
trans-1,3-Dichloropropene	2500	2600		ug/Kg		104	62 - 128
Trichloroethene	2500	2610		ug/Kg		104	70 - 125
Trichlorofluoromethane	2500	2690		ug/Kg		108	55 - 128
Vinyl chloride	2500	3060		ug/Kg		122	64 - 126
Xylenes, Total	5000	5630		ug/Kg		113	70 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	105		75 - 126
4-Bromofluorobenzene (Surr)	101		72 - 124
Dibromofluoromethane (Surr)	98		75 - 120
Toluene-d8 (Surr)	100		75 - 120

Lab Sample ID: 500-211019-2 MS

Matrix: Solid

Analysis Batch: 638512

Client Sample ID: B2 (0-2)

Prep Type: Total/NA

Prep Batch: 638015

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	<32		3480	3770		ug/Kg	☆	108	70 - 125

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QC Sample Results

Client: Stantec Consulting Corp.
Project/Site: East Mason Finger Road Parcels - 193708667

Job ID: 500-211019-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-211019-2 MS

Matrix: Solid

Analysis Batch: 638512

Client Sample ID: B2 (0-2)

Prep Type: Total/NA

Prep Batch: 638015

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	<26		3480	3960		ug/Kg	☼	114	70 - 125
1,1,1,2,2-Tetrachloroethane	<28		3480	3600		ug/Kg	☼	103	62 - 140
1,1,2-Trichloroethane	<25		3480	3600		ug/Kg	☼	103	71 - 130
1,1-Dichloroethane	<29	*+	3480	4280		ug/Kg	☼	123	70 - 125
1,1-Dichloroethene	<27		3480	4010		ug/Kg	☼	115	67 - 122
1,1-Dichloropropene	<21		3480	3690		ug/Kg	☼	106	70 - 121
1,2,3-Trichlorobenzene	<32		3480	3070		ug/Kg	☼	88	51 - 145
1,2,3-Trichloropropane	<29		3480	3700		ug/Kg	☼	106	50 - 133
1,2,4-Trichlorobenzene	<24		3480	3110		ug/Kg	☼	89	57 - 137
1,2,4-Trimethylbenzene	<25		3480	3840		ug/Kg	☼	110	70 - 123
1,2-Dibromo-3-Chloropropane	<140		3480	3960		ug/Kg	☼	114	56 - 123
1,2-Dibromoethane	<27		3480	3550		ug/Kg	☼	102	70 - 125
1,2-Dichlorobenzene	<23		3480	3660		ug/Kg	☼	105	70 - 125
1,2-Dichloroethane	<27		3480	3820		ug/Kg	☼	110	68 - 127
1,2-Dichloropropane	<30		3480	4050		ug/Kg	☼	116	67 - 130
1,3,5-Trimethylbenzene	<26		3480	3870		ug/Kg	☼	111	70 - 123
1,3-Dichlorobenzene	<28		3480	3650		ug/Kg	☼	105	70 - 125
1,3-Dichloropropane	<25		3480	3650		ug/Kg	☼	105	62 - 136
1,4-Dichlorobenzene	<25		3480	3500		ug/Kg	☼	100	70 - 120
2,2-Dichloropropane	<31		3480	3810		ug/Kg	☼	109	58 - 139
2-Chlorotoluene	<22		3480	3800		ug/Kg	☼	109	70 - 125
4-Chlorotoluene	<24		3480	3730		ug/Kg	☼	107	68 - 124
Benzene	<10		3480	3600		ug/Kg	☼	103	70 - 120
Bromobenzene	<25		3480	3450		ug/Kg	☼	99	70 - 122
Bromochloromethane	<30		3480	3700		ug/Kg	☼	106	65 - 122
Bromodichloromethane	<26		3480	3390		ug/Kg	☼	97	69 - 120
Bromoform	<34		3480	3340		ug/Kg	☼	96	56 - 132
Bromomethane	<55		3480	4070		ug/Kg	☼	117	40 - 152
Carbon tetrachloride	<27		3480	3800		ug/Kg	☼	109	59 - 133
Chlorobenzene	<27		3480	3630		ug/Kg	☼	104	70 - 120
Chloroethane	<35		3480	3430		ug/Kg	☼	99	48 - 136
Chloroform	<26		3480	3480		ug/Kg	☼	100	70 - 120
Chloromethane	<22	F1 *+	3480	5210		ug/Kg	☼	149	56 - 152
cis-1,2-Dichloroethene	<28		3480	3700		ug/Kg	☼	106	70 - 125
cis-1,3-Dichloropropene	<29		3480	3500		ug/Kg	☼	101	64 - 127
Dibromochloromethane	<34		3480	3700		ug/Kg	☼	106	68 - 125
Dibromomethane	<19		3480	3260		ug/Kg	☼	94	70 - 120
Dichlorodifluoromethane	<47		3480	3520		ug/Kg	☼	101	40 - 159
Ethylbenzene	<13		3480	3800		ug/Kg	☼	109	70 - 123
Hexachlorobutadiene	<31		3480	3500		ug/Kg	☼	100	51 - 150
Isopropylbenzene	<27		3480	3770		ug/Kg	☼	108	70 - 126
Methyl tert-butyl ether	<27		3480	3900		ug/Kg	☼	112	55 - 123
Methylene Chloride	<110		3480	3730		ug/Kg	☼	107	69 - 125
Naphthalene	<23		3480	3300		ug/Kg	☼	95	53 - 144
n-Butylbenzene	<27		3480	3710		ug/Kg	☼	107	68 - 125
N-Propylbenzene	<29		3480	3850		ug/Kg	☼	110	69 - 127
p-Isopropyltoluene	<25		3480	3940		ug/Kg	☼	113	70 - 125
sec-Butylbenzene	<28		3480	3930		ug/Kg	☼	113	70 - 123
Styrene	<27		3480	3900		ug/Kg	☼	112	70 - 120

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QC Sample Results

Client: Stantec Consulting Corp.
Project/Site: East Mason Finger Road Parcels - 193708667

Job ID: 500-211019-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-211019-2 MS

Matrix: Solid

Analysis Batch: 638512

Client Sample ID: B2 (0-2)

Prep Type: Total/NA

Prep Batch: 638015

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
tert-Butylbenzene	<28		3480	3840		ug/Kg	✱	110	70 - 121
Tetrachloroethene	<26		3480	3540		ug/Kg	✱	102	70 - 128
Toluene	<10		3480	3910		ug/Kg	✱	112	70 - 125
trans-1,2-Dichloroethene	<24		3480	3850		ug/Kg	✱	110	70 - 125
trans-1,3-Dichloropropene	<25		3480	3520		ug/Kg	✱	101	62 - 128
Trichloroethene	<11		3480	3560		ug/Kg	✱	102	70 - 125
Trichlorofluoromethane	<30		3480	3640		ug/Kg	✱	104	55 - 128
Vinyl chloride	<18	F1 *+	3480	4580	F1	ug/Kg	✱	131	64 - 126
Xylenes, Total	<15		6970	7670		ug/Kg	✱	110	70 - 125

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	106		75 - 126
4-Bromofluorobenzene (Surr)	97		72 - 124
Dibromofluoromethane (Surr)	98		75 - 120
Toluene-d8 (Surr)	102		75 - 120

Lab Sample ID: 500-211019-2 MSD

Matrix: Solid

Analysis Batch: 638512

Client Sample ID: B2 (0-2)

Prep Type: Total/NA

Prep Batch: 638015

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	<32		3480	3690		ug/Kg	✱	106	70 - 125	2	30
1,1,1-Trichloroethane	<26		3480	3880		ug/Kg	✱	111	70 - 125	2	30
1,1,2,2-Tetrachloroethane	<28		3480	3560		ug/Kg	✱	102	62 - 140	1	30
1,1,2-Trichloroethane	<25		3480	3560		ug/Kg	✱	102	71 - 130	1	30
1,1-Dichloroethane	<29	*+	3480	4110		ug/Kg	✱	118	70 - 125	4	30
1,1-Dichloropropene	<27		3480	3970		ug/Kg	✱	114	67 - 122	1	30
1,1-Dichlorobenzene	<21		3480	3740		ug/Kg	✱	107	70 - 121	2	30
1,2,3-Trichlorobenzene	<32		3480	3100		ug/Kg	✱	89	51 - 145	1	30
1,2,3-Trichloropropane	<29		3480	3880		ug/Kg	✱	111	50 - 133	5	30
1,2,4-Trichlorobenzene	<24		3480	3080		ug/Kg	✱	88	57 - 137	1	30
1,2,4-Trimethylbenzene	<25		3480	4000		ug/Kg	✱	115	70 - 123	4	30
1,2-Dibromo-3-Chloropropane	<140		3480	3830		ug/Kg	✱	110	56 - 123	3	30
1,2-Dibromoethane	<27		3480	3490		ug/Kg	✱	100	70 - 125	2	30
1,2-Dichlorobenzene	<23		3480	3630		ug/Kg	✱	104	70 - 125	1	30
1,2-Dichloroethane	<27		3480	3670		ug/Kg	✱	105	68 - 127	4	30
1,2-Dichloropropane	<30		3480	3920		ug/Kg	✱	113	67 - 130	3	30
1,3,5-Trimethylbenzene	<26		3480	4000		ug/Kg	✱	115	70 - 123	3	30
1,3-Dichlorobenzene	<28		3480	3630		ug/Kg	✱	104	70 - 125	1	30
1,3-Dichloropropane	<25		3480	3580		ug/Kg	✱	103	62 - 136	2	30
1,4-Dichlorobenzene	<25		3480	3510		ug/Kg	✱	101	70 - 120	0	30
2,2-Dichloropropane	<31		3480	3780		ug/Kg	✱	108	58 - 139	1	30
2-Chlorotoluene	<22		3480	3890		ug/Kg	✱	112	70 - 125	2	30
4-Chlorotoluene	<24		3480	3850		ug/Kg	✱	110	68 - 124	3	30
Benzene	<10		3480	3550		ug/Kg	✱	102	70 - 120	1	30
Bromobenzene	<25		3480	3620		ug/Kg	✱	104	70 - 122	5	30
Bromochloromethane	<30		3480	3560		ug/Kg	✱	102	65 - 122	4	30
Bromodichloromethane	<26		3480	3280		ug/Kg	✱	94	69 - 120	3	30

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QC Sample Results

Client: Stantec Consulting Corp.
Project/Site: East Mason Finger Road Parcels - 193708667

Job ID: 500-211019-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-211019-2 MSD

Matrix: Solid

Analysis Batch: 638512

Client Sample ID: B2 (0-2)

Prep Type: Total/NA

Prep Batch: 638015

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bromoform	<34		3480	3280		ug/Kg	✱	94	56 - 132	2	30
Bromomethane	<55		3480	4280		ug/Kg	✱	123	40 - 152	5	30
Carbon tetrachloride	<27		3480	3860		ug/Kg	✱	111	59 - 133	2	30
Chlorobenzene	<27		3480	3570		ug/Kg	✱	103	70 - 120	2	30
Chloroethane	<35		3480	3440		ug/Kg	✱	99	48 - 136	0	30
Chloroform	<26		3480	3380		ug/Kg	✱	97	70 - 120	3	30
Chloromethane	<22	F1 *+	3480	5360	F1	ug/Kg	✱	154	56 - 152	3	30
cis-1,2-Dichloroethene	<28		3480	3520		ug/Kg	✱	101	70 - 125	5	30
cis-1,3-Dichloropropene	<29		3480	3420		ug/Kg	✱	98	64 - 127	2	30
Dibromochloromethane	<34		3480	3650		ug/Kg	✱	105	68 - 125	2	30
Dibromomethane	<19		3480	3140		ug/Kg	✱	90	70 - 120	4	30
Dichlorodifluoromethane	<47		3480	3790		ug/Kg	✱	109	40 - 159	8	30
Ethylbenzene	<13		3480	3760		ug/Kg	✱	108	70 - 123	1	30
Hexachlorobutadiene	<31		3480	3650		ug/Kg	✱	105	51 - 150	4	30
Isopropylbenzene	<27		3480	3980		ug/Kg	✱	114	70 - 126	5	30
Methyl tert-butyl ether	<27		3480	3790		ug/Kg	✱	109	55 - 123	3	30
Methylene Chloride	<110		3480	3520		ug/Kg	✱	101	69 - 125	6	30
Naphthalene	<23		3480	3290		ug/Kg	✱	94	53 - 144	0	30
n-Butylbenzene	<27		3480	3900		ug/Kg	✱	112	68 - 125	5	30
N-Propylbenzene	<29		3480	4030		ug/Kg	✱	116	69 - 127	4	30
p-Isopropyltoluene	<25		3480	4110		ug/Kg	✱	118	70 - 125	4	30
sec-Butylbenzene	<28		3480	4130		ug/Kg	✱	119	70 - 123	5	30
Styrene	<27		3480	3860		ug/Kg	✱	111	70 - 120	1	30
tert-Butylbenzene	<28		3480	4040		ug/Kg	✱	116	70 - 121	5	30
Tetrachloroethene	<26		3480	3650		ug/Kg	✱	105	70 - 128	3	30
Toluene	<10		3480	3840		ug/Kg	✱	110	70 - 125	2	30
trans-1,2-Dichloroethene	<24		3480	3800		ug/Kg	✱	109	70 - 125	1	30
trans-1,3-Dichloropropene	<25		3480	3510		ug/Kg	✱	101	62 - 128	0	30
Trichloroethene	<11		3480	3540		ug/Kg	✱	102	70 - 125	1	30
Trichlorofluoromethane	<30		3480	3980		ug/Kg	✱	114	55 - 128	9	30
Vinyl chloride	<18	F1 *+	3480	4760	F1	ug/Kg	✱	137	64 - 126	4	30
Xylenes, Total	<15		6970	7550		ug/Kg	✱	108	70 - 125	2	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	104		75 - 126
4-Bromofluorobenzene (Surr)	101		72 - 124
Dibromofluoromethane (Surr)	95		75 - 120
Toluene-d8 (Surr)	100		75 - 120

Lab Sample ID: MB 500-638512/7

Matrix: Solid

Analysis Batch: 638512

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/Kg			01/19/22 13:48	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/Kg			01/19/22 13:48	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/Kg			01/19/22 13:48	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/Kg			01/19/22 13:48	1

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QC Sample Results

Client: Stantec Consulting Corp.
Project/Site: East Mason Finger Road Parcels - 193708667

Job ID: 500-211019-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-638512/7

Matrix: Solid

Analysis Batch: 638512

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	<0.41		1.0	0.41	ug/Kg			01/19/22 13:48	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/Kg			01/19/22 13:48	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/Kg			01/19/22 13:48	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/Kg			01/19/22 13:48	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/Kg			01/19/22 13:48	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/Kg			01/19/22 13:48	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/Kg			01/19/22 13:48	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/Kg			01/19/22 13:48	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/Kg			01/19/22 13:48	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/Kg			01/19/22 13:48	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/Kg			01/19/22 13:48	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/Kg			01/19/22 13:48	1
1,3,5-Trimethylbenzene	<0.38		1.0	0.38	ug/Kg			01/19/22 13:48	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/Kg			01/19/22 13:48	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/Kg			01/19/22 13:48	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/Kg			01/19/22 13:48	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/Kg			01/19/22 13:48	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/Kg			01/19/22 13:48	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/Kg			01/19/22 13:48	1
Benzene	<0.15		0.25	0.15	ug/Kg			01/19/22 13:48	1
Bromobenzene	<0.36		1.0	0.36	ug/Kg			01/19/22 13:48	1
Bromochloromethane	<0.43		1.0	0.43	ug/Kg			01/19/22 13:48	1
Bromodichloromethane	<0.37		1.0	0.37	ug/Kg			01/19/22 13:48	1
Bromoform	<0.48		1.0	0.48	ug/Kg			01/19/22 13:48	1
Bromomethane	<0.80		3.0	0.80	ug/Kg			01/19/22 13:48	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/Kg			01/19/22 13:48	1
Chlorobenzene	<0.39		1.0	0.39	ug/Kg			01/19/22 13:48	1
Chloroethane	<0.50		1.0	0.50	ug/Kg			01/19/22 13:48	1
Chloroform	<0.37		2.0	0.37	ug/Kg			01/19/22 13:48	1
Chloromethane	<0.32		1.0	0.32	ug/Kg			01/19/22 13:48	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/Kg			01/19/22 13:48	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/Kg			01/19/22 13:48	1
Dibromochloromethane	<0.49		1.0	0.49	ug/Kg			01/19/22 13:48	1
Dibromomethane	<0.27		1.0	0.27	ug/Kg			01/19/22 13:48	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/Kg			01/19/22 13:48	1
Ethylbenzene	<0.18		0.25	0.18	ug/Kg			01/19/22 13:48	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/Kg			01/19/22 13:48	1
Isopropyl ether	<0.28		1.0	0.28	ug/Kg			01/19/22 13:48	1
Isopropylbenzene	<0.38		1.0	0.38	ug/Kg			01/19/22 13:48	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/Kg			01/19/22 13:48	1
Methylene Chloride	<1.6		5.0	1.6	ug/Kg			01/19/22 13:48	1
Naphthalene	<0.33		1.0	0.33	ug/Kg			01/19/22 13:48	1
n-Butylbenzene	<0.39		1.0	0.39	ug/Kg			01/19/22 13:48	1
N-Propylbenzene	<0.41		1.0	0.41	ug/Kg			01/19/22 13:48	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/Kg			01/19/22 13:48	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/Kg			01/19/22 13:48	1
Styrene	<0.39		1.0	0.39	ug/Kg			01/19/22 13:48	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/Kg			01/19/22 13:48	1
Tetrachloroethene	<0.37		1.0	0.37	ug/Kg			01/19/22 13:48	1

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QC Sample Results

Client: Stantec Consulting Corp.
Project/Site: East Mason Finger Road Parcels - 193708667

Job ID: 500-211019-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-638512/7

Matrix: Solid

Analysis Batch: 638512

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	<0.15		0.25	0.15	ug/Kg			01/19/22 13:48	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/Kg			01/19/22 13:48	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/Kg			01/19/22 13:48	1
Trichloroethene	<0.16		0.50	0.16	ug/Kg			01/19/22 13:48	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/Kg			01/19/22 13:48	1
Vinyl chloride	<0.26		1.0	0.26	ug/Kg			01/19/22 13:48	1
Xylenes, Total	<0.22		0.50	0.22	ug/Kg			01/19/22 13:48	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		75 - 126		01/19/22 13:48	1
4-Bromofluorobenzene (Surr)	99		72 - 124		01/19/22 13:48	1
Dibromofluoromethane (Surr)	103		75 - 120		01/19/22 13:48	1
Toluene-d8 (Surr)	97		75 - 120		01/19/22 13:48	1

Lab Sample ID: LCS 500-638512/32

Matrix: Solid

Analysis Batch: 638512

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	50.0	49.5		ug/Kg		99	70 - 125
1,1,1-Trichloroethane	50.0	49.4		ug/Kg		99	70 - 125
1,1,2,2-Tetrachloroethane	50.0	47.7		ug/Kg		95	62 - 140
1,1,2-Trichloroethane	50.0	49.6		ug/Kg		99	71 - 130
1,1-Dichloroethane	50.0	55.4		ug/Kg		111	70 - 125
1,1-Dichloroethene	50.0	50.8		ug/Kg		102	67 - 122
1,1-Dichloropropene	50.0	47.2		ug/Kg		94	70 - 121
1,2,3-Trichlorobenzene	50.0	35.7		ug/Kg		71	51 - 145
1,2,3-Trichloropropane	50.0	49.7		ug/Kg		99	50 - 133
1,2,4-Trichlorobenzene	50.0	35.1		ug/Kg		70	57 - 137
1,2,4-Trimethylbenzene	50.0	50.6		ug/Kg		101	70 - 123
1,2-Dibromo-3-Chloropropane	50.0	48.2		ug/Kg		96	56 - 123
1,2-Dibromoethane	50.0	47.5		ug/Kg		95	70 - 125
1,2-Dichlorobenzene	50.0	47.7		ug/Kg		95	70 - 125
1,2-Dichloroethane	50.0	50.3		ug/Kg		101	68 - 127
1,2-Dichloropropane	50.0	54.6		ug/Kg		109	67 - 130
1,3,5-Trimethylbenzene	50.0	50.2		ug/Kg		100	70 - 123
1,3-Dichlorobenzene	50.0	48.3		ug/Kg		97	70 - 125
1,3-Dichloropropane	50.0	50.0		ug/Kg		100	62 - 136
1,4-Dichlorobenzene	50.0	46.1		ug/Kg		92	70 - 120
2,2-Dichloropropane	50.0	48.3		ug/Kg		97	58 - 139
2-Chlorotoluene	50.0	50.2		ug/Kg		100	70 - 125
4-Chlorotoluene	50.0	50.5		ug/Kg		101	68 - 124
Benzene	50.0	47.7		ug/Kg		95	70 - 120
Bromobenzene	50.0	47.6		ug/Kg		95	70 - 122
Bromochloromethane	50.0	47.1		ug/Kg		94	65 - 122
Bromodichloromethane	50.0	45.3		ug/Kg		91	69 - 120
Bromoform	50.0	44.6		ug/Kg		89	56 - 132
Bromomethane	50.0	61.2		ug/Kg		122	40 - 152

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QC Sample Results

Client: Stantec Consulting Corp.
Project/Site: East Mason Finger Road Parcels - 193708667

Job ID: 500-211019-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-638512/32

Matrix: Solid

Analysis Batch: 638512

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Carbon tetrachloride	50.0	49.1		ug/Kg		98	59 - 133
Chlorobenzene	50.0	49.0		ug/Kg		98	70 - 120
Chloroethane	50.0	53.2		ug/Kg		106	48 - 136
Chloroform	50.0	44.8		ug/Kg		90	70 - 120
Chloromethane	50.0	78.6	*+	ug/Kg		157	56 - 152
cis-1,2-Dichloroethene	50.0	45.9		ug/Kg		92	70 - 125
cis-1,3-Dichloropropene	50.0	47.7		ug/Kg		95	64 - 127
Dibromochloromethane	50.0	50.4		ug/Kg		101	68 - 125
Dibromomethane	50.0	42.5		ug/Kg		85	70 - 120
Dichlorodifluoromethane	50.0	52.8		ug/Kg		106	40 - 159
Ethylbenzene	50.0	50.3		ug/Kg		101	70 - 123
Hexachlorobutadiene	50.0	43.0		ug/Kg		86	51 - 150
Isopropylbenzene	50.0	48.8		ug/Kg		98	70 - 126
Methyl tert-butyl ether	50.0	48.5		ug/Kg		97	55 - 123
Methylene Chloride	50.0	46.5		ug/Kg		93	69 - 125
Naphthalene	50.0	37.2		ug/Kg		74	53 - 144
n-Butylbenzene	50.0	48.6		ug/Kg		97	68 - 125
N-Propylbenzene	50.0	51.8		ug/Kg		104	69 - 127
p-Isopropyltoluene	50.0	50.8		ug/Kg		102	70 - 125
sec-Butylbenzene	50.0	51.6		ug/Kg		103	70 - 123
Styrene	50.0	52.4		ug/Kg		105	70 - 120
tert-Butylbenzene	50.0	49.8		ug/Kg		100	70 - 121
Tetrachloroethene	50.0	47.9		ug/Kg		96	70 - 128
Toluene	50.0	52.2		ug/Kg		104	70 - 125
trans-1,2-Dichloroethene	50.0	49.0		ug/Kg		98	70 - 125
trans-1,3-Dichloropropene	50.0	47.2		ug/Kg		94	62 - 128
Trichloroethene	50.0	45.6		ug/Kg		91	70 - 125
Trichlorofluoromethane	50.0	54.6		ug/Kg		109	55 - 128
Vinyl chloride	50.0	69.6	*+	ug/Kg		139	64 - 126
Xylenes, Total	100	100		ug/Kg		100	70 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	106		75 - 126
4-Bromofluorobenzene (Surr)	101		72 - 124
Dibromofluoromethane (Surr)	96		75 - 120
Toluene-d8 (Surr)	101		75 - 120

Lab Sample ID: MB 500-639103/7

Matrix: Solid

Analysis Batch: 639103

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/Kg			01/24/22 11:53	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/Kg			01/24/22 11:53	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/Kg			01/24/22 11:53	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/Kg			01/24/22 11:53	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/Kg			01/24/22 11:53	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/Kg			01/24/22 11:53	1

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QC Sample Results

Client: Stantec Consulting Corp.
Project/Site: East Mason Finger Road Parcels - 193708667

Job ID: 500-211019-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-639103/7

Matrix: Solid

Analysis Batch: 639103

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloropropene	<0.30		1.0	0.30	ug/Kg			01/24/22 11:53	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/Kg			01/24/22 11:53	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/Kg			01/24/22 11:53	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/Kg			01/24/22 11:53	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/Kg			01/24/22 11:53	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/Kg			01/24/22 11:53	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/Kg			01/24/22 11:53	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/Kg			01/24/22 11:53	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/Kg			01/24/22 11:53	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/Kg			01/24/22 11:53	1
1,3,5-Trimethylbenzene	<0.38		1.0	0.38	ug/Kg			01/24/22 11:53	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/Kg			01/24/22 11:53	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/Kg			01/24/22 11:53	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/Kg			01/24/22 11:53	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/Kg			01/24/22 11:53	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/Kg			01/24/22 11:53	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/Kg			01/24/22 11:53	1
Benzene	<0.15		0.25	0.15	ug/Kg			01/24/22 11:53	1
Bromobenzene	<0.36		1.0	0.36	ug/Kg			01/24/22 11:53	1
Bromochloromethane	<0.43		1.0	0.43	ug/Kg			01/24/22 11:53	1
Bromodichloromethane	<0.37		1.0	0.37	ug/Kg			01/24/22 11:53	1
Bromoform	<0.48		1.0	0.48	ug/Kg			01/24/22 11:53	1
Bromomethane	<0.80		3.0	0.80	ug/Kg			01/24/22 11:53	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/Kg			01/24/22 11:53	1
Chlorobenzene	<0.39		1.0	0.39	ug/Kg			01/24/22 11:53	1
Chloroethane	<0.50		1.0	0.50	ug/Kg			01/24/22 11:53	1
Chloroform	<0.37		2.0	0.37	ug/Kg			01/24/22 11:53	1
Chloromethane	<0.32		1.0	0.32	ug/Kg			01/24/22 11:53	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/Kg			01/24/22 11:53	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/Kg			01/24/22 11:53	1
Dibromochloromethane	<0.49		1.0	0.49	ug/Kg			01/24/22 11:53	1
Dibromomethane	<0.27		1.0	0.27	ug/Kg			01/24/22 11:53	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/Kg			01/24/22 11:53	1
Ethylbenzene	<0.18		0.25	0.18	ug/Kg			01/24/22 11:53	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/Kg			01/24/22 11:53	1
Isopropyl ether	<0.28		1.0	0.28	ug/Kg			01/24/22 11:53	1
Isopropylbenzene	<0.38		1.0	0.38	ug/Kg			01/24/22 11:53	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/Kg			01/24/22 11:53	1
Methylene Chloride	<1.6		5.0	1.6	ug/Kg			01/24/22 11:53	1
Naphthalene	<0.33		1.0	0.33	ug/Kg			01/24/22 11:53	1
n-Butylbenzene	<0.39		1.0	0.39	ug/Kg			01/24/22 11:53	1
N-Propylbenzene	<0.41		1.0	0.41	ug/Kg			01/24/22 11:53	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/Kg			01/24/22 11:53	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/Kg			01/24/22 11:53	1
Styrene	<0.39		1.0	0.39	ug/Kg			01/24/22 11:53	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/Kg			01/24/22 11:53	1
Tetrachloroethene	<0.37		1.0	0.37	ug/Kg			01/24/22 11:53	1
Toluene	<0.15		0.25	0.15	ug/Kg			01/24/22 11:53	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/Kg			01/24/22 11:53	1

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QC Sample Results

Client: Stantec Consulting Corp.
Project/Site: East Mason Finger Road Parcels - 193708667

Job ID: 500-211019-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-639103/7

Matrix: Solid

Analysis Batch: 639103

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/Kg			01/24/22 11:53	1
Trichloroethene	<0.16		0.50	0.16	ug/Kg			01/24/22 11:53	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/Kg			01/24/22 11:53	1
Vinyl chloride	<0.26		1.0	0.26	ug/Kg			01/24/22 11:53	1
Xylenes, Total	<0.22		0.50	0.22	ug/Kg			01/24/22 11:53	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	118		75 - 126		01/24/22 11:53	1
4-Bromofluorobenzene (Surr)	84		72 - 124		01/24/22 11:53	1
Dibromofluoromethane (Surr)	98		75 - 120		01/24/22 11:53	1
Toluene-d8 (Surr)	114		75 - 120		01/24/22 11:53	1

Lab Sample ID: LCS 500-639103/5

Matrix: Solid

Analysis Batch: 639103

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	50.0	48.3		ug/Kg		97	70 - 125
1,1,1-Trichloroethane	50.0	56.7		ug/Kg		113	70 - 125
1,1,2,2-Tetrachloroethane	50.0	41.5		ug/Kg		83	62 - 140
1,1,2-Trichloroethane	50.0	48.2		ug/Kg		96	71 - 130
1,1-Dichloroethane	50.0	58.2		ug/Kg		116	70 - 125
1,1-Dichloroethene	50.0	43.9		ug/Kg		88	67 - 122
1,1-Dichloropropene	50.0	53.1		ug/Kg		106	70 - 121
1,2,3-Trichlorobenzene	50.0	61.2		ug/Kg		122	51 - 145
1,2,3-Trichloropropane	50.0	47.0		ug/Kg		94	50 - 133
1,2,4-Trichlorobenzene	50.0	61.7		ug/Kg		123	57 - 137
1,2,4-Trimethylbenzene	50.0	54.2		ug/Kg		108	70 - 123
1,2-Dibromo-3-Chloropropane	50.0	39.3		ug/Kg		79	56 - 123
1,2-Dibromoethane	50.0	42.0		ug/Kg		84	70 - 125
1,2-Dichlorobenzene	50.0	47.0		ug/Kg		94	70 - 125
1,2-Dichloroethane	50.0	61.7		ug/Kg		123	68 - 127
1,2-Dichloropropane	50.0	53.1		ug/Kg		106	67 - 130
1,3,5-Trimethylbenzene	50.0	57.9		ug/Kg		116	70 - 123
1,3-Dichlorobenzene	50.0	46.3		ug/Kg		93	70 - 125
1,3-Dichloropropane	50.0	46.2		ug/Kg		92	62 - 136
1,4-Dichlorobenzene	50.0	45.2		ug/Kg		90	70 - 120
2,2-Dichloropropane	50.0	70.6	*+	ug/Kg		141	58 - 139
2-Chlorotoluene	50.0	55.0		ug/Kg		110	70 - 125
4-Chlorotoluene	50.0	51.9		ug/Kg		104	68 - 124
Benzene	50.0	49.6		ug/Kg		99	70 - 120
Bromobenzene	50.0	50.6		ug/Kg		101	70 - 122
Bromochloromethane	50.0	48.3		ug/Kg		97	65 - 122
Bromodichloromethane	50.0	44.4		ug/Kg		89	69 - 120
Bromoform	50.0	30.7		ug/Kg		61	56 - 132
Bromomethane	50.0	67.9		ug/Kg		136	40 - 152
Carbon tetrachloride	50.0	56.0		ug/Kg		112	59 - 133
Chlorobenzene	50.0	46.5		ug/Kg		93	70 - 120

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QC Sample Results

Client: Stantec Consulting Corp.
Project/Site: East Mason Finger Road Parcels - 193708667

Job ID: 500-211019-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-639103/5

Matrix: Solid

Analysis Batch: 639103

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloroethane	50.0	61.6		ug/Kg		123	48 - 136
Chloroform	50.0	50.0		ug/Kg		100	70 - 120
Chloromethane	50.0	39.3		ug/Kg		79	56 - 152
cis-1,2-Dichloroethene	50.0	48.4		ug/Kg		97	70 - 125
cis-1,3-Dichloropropene	50.0	47.1		ug/Kg		94	64 - 127
Dibromochloromethane	50.0	41.6		ug/Kg		83	68 - 125
Dibromomethane	50.0	43.6		ug/Kg		87	70 - 120
Dichlorodifluoromethane	50.0	38.5		ug/Kg		77	40 - 159
Ethylbenzene	50.0	49.0		ug/Kg		98	70 - 123
Hexachlorobutadiene	50.0	61.8		ug/Kg		124	51 - 150
Isopropylbenzene	50.0	67.2	*+	ug/Kg		134	70 - 126
Methyl tert-butyl ether	50.0	51.1		ug/Kg		102	55 - 123
Methylene Chloride	50.0	44.7		ug/Kg		89	69 - 125
Naphthalene	50.0	54.6		ug/Kg		109	53 - 144
n-Butylbenzene	50.0	52.1		ug/Kg		104	68 - 125
N-Propylbenzene	50.0	59.2		ug/Kg		118	69 - 127
p-Isopropyltoluene	50.0	54.6		ug/Kg		109	70 - 125
sec-Butylbenzene	50.0	57.1		ug/Kg		114	70 - 123
Styrene	50.0	43.8		ug/Kg		88	70 - 120
tert-Butylbenzene	50.0	58.1		ug/Kg		116	70 - 121
Tetrachloroethene	50.0	60.7		ug/Kg		121	70 - 128
Toluene	50.0	53.7		ug/Kg		107	70 - 125
trans-1,2-Dichloroethene	50.0	49.4		ug/Kg		99	70 - 125
trans-1,3-Dichloropropene	50.0	41.2		ug/Kg		82	62 - 128
Trichloroethene	50.0	50.2		ug/Kg		100	70 - 125
Trichlorofluoromethane	50.0	48.4		ug/Kg		97	55 - 128
Vinyl chloride	50.0	46.7		ug/Kg		93	64 - 126
Xylenes, Total	100	99.5		ug/Kg		100	70 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	117		75 - 126
4-Bromofluorobenzene (Surr)	99		72 - 124
Dibromofluoromethane (Surr)	98		75 - 120
Toluene-d8 (Surr)	109		75 - 120

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 500-639677/1-A

Matrix: Solid

Analysis Batch: 639862

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 639677

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<8.1		67	8.1	ug/Kg		01/27/22 07:01	01/28/22 09:19	1
2-Methylnaphthalene	<6.1		67	6.1	ug/Kg		01/27/22 07:01	01/28/22 09:19	1
Acenaphthene	<6.0		33	6.0	ug/Kg		01/27/22 07:01	01/28/22 09:19	1
Acenaphthylene	<4.4		33	4.4	ug/Kg		01/27/22 07:01	01/28/22 09:19	1
Anthracene	<5.6		33	5.6	ug/Kg		01/27/22 07:01	01/28/22 09:19	1
Benzo[a]anthracene	<4.5		33	4.5	ug/Kg		01/27/22 07:01	01/28/22 09:19	1
Benzo[a]pyrene	<6.4		33	6.4	ug/Kg		01/27/22 07:01	01/28/22 09:19	1

Eurofins Chicago

QC Sample Results

Client: Stantec Consulting Corp.
Project/Site: East Mason Finger Road Parcels - 193708667

Job ID: 500-211019-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-639677/1-A

Matrix: Solid

Analysis Batch: 639862

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 639677

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	<7.2		33	7.2	ug/Kg		01/27/22 07:01	01/28/22 09:19	1
Benzo[g,h,i]perylene	<11		33	11	ug/Kg		01/27/22 07:01	01/28/22 09:19	1
Benzo[k]fluoranthene	<9.8		33	9.8	ug/Kg		01/27/22 07:01	01/28/22 09:19	1
Chrysene	<9.1		33	9.1	ug/Kg		01/27/22 07:01	01/28/22 09:19	1
Dibenz(a,h)anthracene	<6.4		33	6.4	ug/Kg		01/27/22 07:01	01/28/22 09:19	1
Fluoranthene	<6.2		33	6.2	ug/Kg		01/27/22 07:01	01/28/22 09:19	1
Fluorene	<4.7		33	4.7	ug/Kg		01/27/22 07:01	01/28/22 09:19	1
Indeno[1,2,3-cd]pyrene	<8.6		33	8.6	ug/Kg		01/27/22 07:01	01/28/22 09:19	1
Naphthalene	<5.1		33	5.1	ug/Kg		01/27/22 07:01	01/28/22 09:19	1
Phenanthrene	<4.6		33	4.6	ug/Kg		01/27/22 07:01	01/28/22 09:19	1
Pyrene	<6.6		33	6.6	ug/Kg		01/27/22 07:01	01/28/22 09:19	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	90		43 - 145	01/27/22 07:01	01/28/22 09:19	1
Nitrobenzene-d5 (Surr)	75		37 - 147	01/27/22 07:01	01/28/22 09:19	1
Terphenyl-d14 (Surr)	86		42 - 157	01/27/22 07:01	01/28/22 09:19	1

Lab Sample ID: LCS 500-639677/2-A

Matrix: Solid

Analysis Batch: 639862

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 639677

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1-Methylnaphthalene	1330	1180		ug/Kg		88	68 - 111
2-Methylnaphthalene	1330	1210		ug/Kg		91	69 - 112
Acenaphthene	1330	1230		ug/Kg		93	65 - 124
Acenaphthylene	1330	1100		ug/Kg		82	68 - 120
Anthracene	1330	1190		ug/Kg		90	70 - 114
Benzo[a]anthracene	1330	1150		ug/Kg		87	67 - 122
Benzo[a]pyrene	1330	1480		ug/Kg		111	65 - 133
Benzo[b]fluoranthene	1330	1260		ug/Kg		94	69 - 129
Benzo[g,h,i]perylene	1330	1390		ug/Kg		104	72 - 131
Benzo[k]fluoranthene	1330	1260		ug/Kg		95	68 - 127
Chrysene	1330	1160		ug/Kg		87	63 - 120
Dibenz(a,h)anthracene	1330	1430		ug/Kg		108	64 - 131
Fluoranthene	1330	1110		ug/Kg		83	62 - 120
Fluorene	1330	1140		ug/Kg		85	62 - 120
Indeno[1,2,3-cd]pyrene	1330	1440		ug/Kg		108	68 - 130
Naphthalene	1330	1100		ug/Kg		83	63 - 110
Phenanthrene	1330	1160		ug/Kg		87	62 - 120
Pyrene	1330	1150		ug/Kg		86	61 - 128

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl (Surr)	89		43 - 145
Nitrobenzene-d5 (Surr)	88		37 - 147
Terphenyl-d14 (Surr)	87		42 - 157

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QC Sample Results

Client: Stantec Consulting Corp.
Project/Site: East Mason Finger Road Parcels - 193708667

Job ID: 500-211019-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-211019-2 MS

Matrix: Solid

Analysis Batch: 639862

Client Sample ID: B2 (0-2)

Prep Type: Total/NA

Prep Batch: 639677

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1-Methylnaphthalene	<9.4		1570	1300		ug/Kg	✱	83	68 - 111
2-Methylnaphthalene	<7.1		1570	1330		ug/Kg	✱	85	69 - 112
Acenaphthene	<7.0		1570	1290		ug/Kg	✱	82	65 - 124
Acenaphthylene	<5.1		1570	1220		ug/Kg	✱	77	68 - 120
Anthracene	<6.5		1570	1250		ug/Kg	✱	79	70 - 114
Benzo[a]anthracene	8.2	J	1570	1210		ug/Kg	✱	77	67 - 122
Benzo[a]pyrene	9.1	J	1570	1590		ug/Kg	✱	101	65 - 133
Benzo[b]fluoranthene	11	J	1570	1440		ug/Kg	✱	91	69 - 129
Benzo[g,h,i]perylene	<12		1570	1250		ug/Kg	✱	80	72 - 131
Benzo[k]fluoranthene	<11		1570	1440		ug/Kg	✱	92	68 - 127
Chrysene	<11		1570	1230		ug/Kg	✱	78	63 - 120
Dibenz(a,h)anthracene	<7.5		1570	1410		ug/Kg	✱	90	64 - 131
Fluoranthene	17	J	1570	1210		ug/Kg	✱	76	62 - 120
Fluorene	<5.4		1570	1190		ug/Kg	✱	76	62 - 120
Indeno[1,2,3-cd]pyrene	<10		1570	1370		ug/Kg	✱	87	68 - 130
Naphthalene	<6.0		1570	1210		ug/Kg	✱	77	63 - 110
Phenanthrene	<5.4		1570	1240		ug/Kg	✱	79	62 - 120
Pyrene	14	J	1570	1210		ug/Kg	✱	76	61 - 128

Surrogate	MS %Recovery	MS Qualifier	Limits
2-Fluorobiphenyl (Surr)	85		43 - 145
Nitrobenzene-d5 (Surr)	85		37 - 147
Terphenyl-d14 (Surr)	79		42 - 157

Lab Sample ID: 500-211019-2 MSD

Matrix: Solid

Analysis Batch: 639862

Client Sample ID: B2 (0-2)

Prep Type: Total/NA

Prep Batch: 639677

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
1-Methylnaphthalene	<9.4		1540	1270		ug/Kg	✱	82	68 - 111	3	30
2-Methylnaphthalene	<7.1		1540	1280		ug/Kg	✱	83	69 - 112	3	30
Acenaphthene	<7.0		1540	1320		ug/Kg	✱	86	65 - 124	2	30
Acenaphthylene	<5.1		1540	1210		ug/Kg	✱	78	68 - 120	1	30
Anthracene	<6.5		1540	1260		ug/Kg	✱	82	70 - 114	1	30
Benzo[a]anthracene	8.2	J	1540	1240		ug/Kg	✱	80	67 - 122	2	30
Benzo[a]pyrene	9.1	J	1540	1580		ug/Kg	✱	102	65 - 133	1	30
Benzo[b]fluoranthene	11	J	1540	1410		ug/Kg	✱	91	69 - 129	1	30
Benzo[g,h,i]perylene	<12		1540	1150		ug/Kg	✱	75	72 - 131	8	30
Benzo[k]fluoranthene	<11		1540	1410		ug/Kg	✱	91	68 - 127	2	30
Chrysene	<11		1540	1240		ug/Kg	✱	81	63 - 120	1	30
Dibenz(a,h)anthracene	<7.5		1540	1340		ug/Kg	✱	87	64 - 131	5	30
Fluoranthene	17	J	1540	1170		ug/Kg	✱	75	62 - 120	3	30
Fluorene	<5.4		1540	1200		ug/Kg	✱	78	62 - 120	1	30
Indeno[1,2,3-cd]pyrene	<10		1540	1260		ug/Kg	✱	82	68 - 130	8	30
Naphthalene	<6.0		1540	1160		ug/Kg	✱	75	63 - 110	5	30
Phenanthrene	<5.4		1540	1260		ug/Kg	✱	82	62 - 120	2	30
Pyrene	14	J	1540	1240		ug/Kg	✱	80	61 - 128	3	30

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QC Sample Results

Client: Stantec Consulting Corp.
Project/Site: East Mason Finger Road Parcels - 193708667

Job ID: 500-211019-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-211019-2 MSD

Matrix: Solid

Analysis Batch: 639862

Client Sample ID: B2 (0-2)

Prep Type: Total/NA

Prep Batch: 639677

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
2-Fluorobiphenyl (Surr)	82		43 - 145
Nitrobenzene-d5 (Surr)	86		37 - 147
Terphenyl-d14 (Surr)	83		42 - 157

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 500-640053/1-A

Matrix: Solid

Analysis Batch: 640262

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 640053

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.34		1.0	0.34	mg/Kg		01/29/22 09:47	01/31/22 11:24	1
Barium	<0.11		1.0	0.11	mg/Kg		01/29/22 09:47	01/31/22 11:24	1
Cadmium	0.129	J	0.20	0.036	mg/Kg		01/29/22 09:47	01/31/22 11:24	1
Chromium	<0.50		1.0	0.50	mg/Kg		01/29/22 09:47	01/31/22 11:24	1
Lead	<0.23		0.50	0.23	mg/Kg		01/29/22 09:47	01/31/22 11:24	1
Selenium	<0.59		1.0	0.59	mg/Kg		01/29/22 09:47	01/31/22 11:24	1
Silver	<0.13		0.50	0.13	mg/Kg		01/29/22 09:47	01/31/22 11:24	1

Lab Sample ID: LCS 500-640053/2-A

Matrix: Solid

Analysis Batch: 640262

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 640053

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Arsenic	10.0	9.00		mg/Kg		90	80 - 120		
Barium	200	195		mg/Kg		98	80 - 120		
Cadmium	5.00	4.79		mg/Kg		96	80 - 120		
Chromium	20.0	19.4		mg/Kg		97	80 - 120		
Lead	10.0	8.68		mg/Kg		87	80 - 120		
Selenium	10.0	8.40		mg/Kg		84	80 - 120		
Silver	5.00	4.59		mg/Kg		92	80 - 120		

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 500-639630/12-A

Matrix: Solid

Analysis Batch: 639790

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 639630

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0056		0.017	0.0056	mg/Kg		01/26/22 15:30	01/27/22 09:26	1

Lab Sample ID: LCS 500-639630/13-A

Matrix: Solid

Analysis Batch: 639790

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 639630

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury	0.167	0.164		mg/Kg		98	80 - 120		

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Lab Chronicle

Client: Stantec Consulting Corp.
Project/Site: East Mason Finger Road Parcels - 193708667

Job ID: 500-211019-1

Client Sample ID: B1 (0-2)

Date Collected: 01/14/22 09:25

Date Received: 01/15/22 10:50

Lab Sample ID: 500-211019-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	639655	01/26/22 16:45	LWN	TAL CHI

Client Sample ID: B1 (0-2)

Date Collected: 01/14/22 09:25

Date Received: 01/15/22 10:50

Lab Sample ID: 500-211019-1

Matrix: Solid

Percent Solids: 83.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			638012	01/16/22 20:08	WRE	TAL CHI
Total/NA	Analysis	8260B		50	639103	01/24/22 16:53	STW	TAL CHI
Total/NA	Prep	3541			639677	01/27/22 07:01	SB	TAL CHI
Total/NA	Analysis	8270D		1	639862	01/28/22 10:55	NB	TAL CHI
Total/NA	Prep	3050B			640053	01/29/22 09:47	FXG	TAL CHI
Total/NA	Analysis	6010C		1	640262	01/31/22 11:31	JJB	TAL CHI

Client Sample ID: B2 (0-2)

Date Collected: 01/14/22 09:55

Date Received: 01/15/22 10:50

Lab Sample ID: 500-211019-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	639655	01/26/22 16:45	LWN	TAL CHI

Client Sample ID: B2 (0-2)

Date Collected: 01/14/22 09:55

Date Received: 01/15/22 10:50

Lab Sample ID: 500-211019-2

Matrix: Solid

Percent Solids: 83.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			638015	01/14/22 09:55	WRE	TAL CHI
Total/NA	Analysis	8260B		50	638512	01/19/22 19:40	JDD	TAL CHI
Total/NA	Prep	3541			639677	01/27/22 07:01	SB	TAL CHI
Total/NA	Analysis	8270D		1	639862	01/28/22 11:20	NB	TAL CHI
Total/NA	Prep	3050B			640053	01/29/22 09:47	FXG	TAL CHI
Total/NA	Analysis	6010C		1	640262	01/31/22 11:34	JJB	TAL CHI

Client Sample ID: B3 (2-4)

Date Collected: 01/14/22 10:25

Date Received: 01/15/22 10:50

Lab Sample ID: 500-211019-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	639655	01/26/22 16:45	LWN	TAL CHI

Lab Chronicle

Client: Stantec Consulting Corp.
Project/Site: East Mason Finger Road Parcels - 193708667

Job ID: 500-211019-1

Client Sample ID: B3 (2-4)

Date Collected: 01/14/22 10:25

Date Received: 01/15/22 10:50

Lab Sample ID: 500-211019-3

Matrix: Solid

Percent Solids: 90.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			638015	01/14/22 10:25	WRE	TAL CHI
Total/NA	Analysis	8260B		50	638512	01/19/22 20:04	JDD	TAL CHI
Total/NA	Prep	3541			639677	01/27/22 07:01	SB	TAL CHI
Total/NA	Analysis	8270D		1	639862	01/28/22 12:32	NB	TAL CHI
Total/NA	Prep	3050B			640053	01/29/22 09:47	FXG	TAL CHI
Total/NA	Analysis	6010C		1	640262	01/31/22 11:37	JJB	TAL CHI
Total/NA	Prep	7471B			639630	01/26/22 15:30	MJG	TAL CHI
Total/NA	Analysis	7471B		1	639790	01/27/22 10:25	MJG	TAL CHI

Client Sample ID: B4 (2-4)

Date Collected: 01/14/22 11:05

Date Received: 01/15/22 10:50

Lab Sample ID: 500-211019-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	639655	01/26/22 16:45	LWN	TAL CHI

Client Sample ID: B4 (2-4)

Date Collected: 01/14/22 11:05

Date Received: 01/15/22 10:50

Lab Sample ID: 500-211019-4

Matrix: Solid

Percent Solids: 81.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			638015	01/14/22 11:05	WRE	TAL CHI
Total/NA	Analysis	8260B		50	638512	01/19/22 20:28	JDD	TAL CHI
Total/NA	Prep	3541			639677	01/27/22 07:01	SB	TAL CHI
Total/NA	Analysis	8270D		1	639862	01/28/22 12:57	NB	TAL CHI
Total/NA	Prep	3050B			640053	01/29/22 09:47	FXG	TAL CHI
Total/NA	Analysis	6010C		1	640262	01/31/22 11:40	JJB	TAL CHI
Total/NA	Prep	7471B			639630	01/26/22 15:30	MJG	TAL CHI
Total/NA	Analysis	7471B		1	639790	01/27/22 10:27	MJG	TAL CHI

Client Sample ID: B5 (0-2)

Date Collected: 01/14/22 11:35

Date Received: 01/15/22 10:50

Lab Sample ID: 500-211019-5

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	639655	01/26/22 16:45	LWN	TAL CHI

Client Sample ID: B5 (0-2)

Date Collected: 01/14/22 11:35

Date Received: 01/15/22 10:50

Lab Sample ID: 500-211019-5

Matrix: Solid

Percent Solids: 83.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			638015	01/14/22 11:35	WRE	TAL CHI
Total/NA	Analysis	8260B		50	638512	01/19/22 20:52	JDD	TAL CHI
Total/NA	Prep	3541			639677	01/27/22 07:01	SB	TAL CHI
Total/NA	Analysis	8270D		1	639862	01/28/22 13:21	NB	TAL CHI

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Lab Chronicle

Client: Stantec Consulting Corp.
Project/Site: East Mason Finger Road Parcels - 193708667

Job ID: 500-211019-1

Client Sample ID: B5 (0-2)

Date Collected: 01/14/22 11:35

Date Received: 01/15/22 10:50

Lab Sample ID: 500-211019-5

Matrix: Solid

Percent Solids: 83.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			640053	01/29/22 09:47	FXG	TAL CHI
Total/NA	Analysis	6010C		1	640262	01/31/22 11:43	JJB	TAL CHI

Client Sample ID: B6 (2-4)

Date Collected: 01/14/22 11:45

Date Received: 01/15/22 10:50

Lab Sample ID: 500-211019-6

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	639655	01/26/22 16:45	LWN	TAL CHI

Client Sample ID: B6 (2-4)

Date Collected: 01/14/22 11:45

Date Received: 01/15/22 10:50

Lab Sample ID: 500-211019-6

Matrix: Solid

Percent Solids: 88.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			638015	01/14/22 11:45	WRE	TAL CHI
Total/NA	Analysis	8260B		50	638512	01/19/22 21:16	JDD	TAL CHI
Total/NA	Prep	3541			639677	01/27/22 07:01	SB	TAL CHI
Total/NA	Analysis	8270D		1	639862	01/28/22 13:45	NB	TAL CHI
Total/NA	Prep	3050B			640053	01/29/22 09:47	FXG	TAL CHI
Total/NA	Analysis	6010C		1	640262	01/31/22 11:46	JJB	TAL CHI

Client Sample ID: B7 (2-4)

Date Collected: 01/14/22 12:00

Date Received: 01/15/22 10:50

Lab Sample ID: 500-211019-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	639655	01/26/22 16:45	LWN	TAL CHI

Client Sample ID: B7 (2-4)

Date Collected: 01/14/22 12:00

Date Received: 01/15/22 10:50

Lab Sample ID: 500-211019-7

Matrix: Solid

Percent Solids: 83.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			638015	01/14/22 12:00	WRE	TAL CHI
Total/NA	Analysis	8260B		50	639103	01/24/22 17:18	STW	TAL CHI
Total/NA	Prep	3541			639677	01/27/22 07:01	SB	TAL CHI
Total/NA	Analysis	8270D		1	639862	01/28/22 14:10	NB	TAL CHI
Total/NA	Prep	3050B			640053	01/29/22 09:47	FXG	TAL CHI
Total/NA	Analysis	6010C		1	640262	01/31/22 11:50	JJB	TAL CHI

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Lab Chronicle

Client: Stantec Consulting Corp.
Project/Site: East Mason Finger Road Parcels - 193708667

Job ID: 500-211019-1

Client Sample ID: B8 (2-4)

Date Collected: 01/14/22 12:30

Date Received: 01/15/22 10:50

Lab Sample ID: 500-211019-8

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	639655	01/26/22 16:45	LWN	TAL CHI

Client Sample ID: B8 (2-4)

Date Collected: 01/14/22 12:30

Date Received: 01/15/22 10:50

Lab Sample ID: 500-211019-8

Matrix: Solid

Percent Solids: 91.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			638015	01/14/22 12:30	WRE	TAL CHI
Total/NA	Analysis	8260B		50	639103	01/24/22 17:44	STW	TAL CHI
Total/NA	Prep	3541			639677	01/27/22 07:01	SB	TAL CHI
Total/NA	Analysis	8270D		1	639862	01/28/22 15:05	NB	TAL CHI
Total/NA	Prep	3050B			640053	01/29/22 09:47	FXG	TAL CHI
Total/NA	Analysis	6010C		1	640262	01/31/22 11:53	JJB	TAL CHI
Total/NA	Prep	7471B			639630	01/26/22 15:30	MJG	TAL CHI
Total/NA	Analysis	7471B		1	639790	01/27/22 10:36	MJG	TAL CHI

Client Sample ID: B9 (2-4)

Date Collected: 01/14/22 12:40

Date Received: 01/15/22 10:50

Lab Sample ID: 500-211019-9

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	639655	01/26/22 16:45	LWN	TAL CHI

Client Sample ID: B9 (2-4)

Date Collected: 01/14/22 12:40

Date Received: 01/15/22 10:50

Lab Sample ID: 500-211019-9

Matrix: Solid

Percent Solids: 83.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			638015	01/14/22 12:40	WRE	TAL CHI
Total/NA	Analysis	8260B		50	639103	01/24/22 18:08	STW	TAL CHI
Total/NA	Prep	3541			639677	01/27/22 07:01	SB	TAL CHI
Total/NA	Analysis	8270D		1	639862	01/28/22 15:30	NB	TAL CHI
Total/NA	Prep	3050B			640053	01/29/22 09:47	FXG	TAL CHI
Total/NA	Analysis	6010C		1	640262	01/31/22 12:02	JJB	TAL CHI
Total/NA	Prep	7471B			639630	01/26/22 15:30	MJG	TAL CHI
Total/NA	Analysis	7471B		1	639790	01/27/22 10:38	MJG	TAL CHI

Client Sample ID: B10 (2-4)

Date Collected: 01/14/22 12:45

Date Received: 01/15/22 10:50

Lab Sample ID: 500-211019-10

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	639655	01/26/22 16:45	LWN	TAL CHI

Eurofins Chicago

Lab Chronicle

Client: Stantec Consulting Corp.
Project/Site: East Mason Finger Road Parcels - 193708667

Job ID: 500-211019-1

Client Sample ID: B10 (2-4)

Date Collected: 01/14/22 12:45

Date Received: 01/15/22 10:50

Lab Sample ID: 500-211019-10

Matrix: Solid

Percent Solids: 78.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			638015	01/14/22 12:45	WRE	TAL CHI
Total/NA	Analysis	8260B		50	639103	01/24/22 18:33	STW	TAL CHI
Total/NA	Prep	3541			639677	01/27/22 07:01	SB	TAL CHI
Total/NA	Analysis	8270D		5	639862	01/28/22 16:09	NB	TAL CHI
Total/NA	Prep	3050B			640053	01/29/22 09:47	FXG	TAL CHI
Total/NA	Analysis	6010C		1	640262	01/31/22 12:06	JJB	TAL CHI
Total/NA	Prep	7471B			639630	01/26/22 15:30	MJG	TAL CHI
Total/NA	Analysis	7471B		1	639790	01/27/22 10:39	MJG	TAL CHI

Client Sample ID: B11 (2-4)

Date Collected: 01/14/22 13:15

Date Received: 01/15/22 10:50

Lab Sample ID: 500-211019-11

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	639655	01/26/22 16:45	LWN	TAL CHI

Client Sample ID: B11 (2-4)

Date Collected: 01/14/22 13:15

Date Received: 01/15/22 10:50

Lab Sample ID: 500-211019-11

Matrix: Solid

Percent Solids: 83.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			638015	01/14/22 13:15	WRE	TAL CHI
Total/NA	Analysis	8260B		50	639103	01/24/22 18:57	STW	TAL CHI
Total/NA	Prep	3541			639677	01/27/22 07:01	SB	TAL CHI
Total/NA	Analysis	8270D		1	639862	01/28/22 16:33	NB	TAL CHI
Total/NA	Prep	3050B			640053	01/29/22 09:47	FXG	TAL CHI
Total/NA	Analysis	6010C		1	640262	01/31/22 12:09	JJB	TAL CHI
Total/NA	Prep	7471B			639630	01/26/22 15:30	MJG	TAL CHI
Total/NA	Analysis	7471B		1	639790	01/27/22 10:41	MJG	TAL CHI

Laboratory References:

TAL CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Accreditation/Certification Summary

Client: Stantec Consulting Corp.
Project/Site: East Mason Finger Road Parcels - 193708667

Job ID: 500-211019-1

Laboratory: Eurofins Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	999580010	08-31-22

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

1/31/2022

Login Sample Receipt Checklist

Client: Stantec Consulting Corp.

Job Number: 500-211019-1

Login Number: 211019

List Source: Eurofins Chicago

List Number: 1

Creator: Hernandez, Stephanie

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.4
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	False	Refer to Job Narrative for details.
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

APPENDIX D – GROUNDWATER LABORATORY ANALYTICAL REPORT

ANALYTICAL REPORT

Eurofins Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

Laboratory Job ID: 500-211614-1

Client Project/Site: East Mason/Finger Road Prop - 193708667

For:

Stantec Consulting Corp.
1165 Scheuring Road
De Pere, Wisconsin 54115

Attn: Evan Weber



Authorized for release by:
2/11/2022 2:15:15 PM

Sandie Fredrick, Project Manager II
(920)261-1660
sandra.fredrick@eurofinset.com

LINKS

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The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Case Narrative

Client: Stantec Consulting Corp.
Project/Site: East Mason/Finger Road Prop - 193708667

Job ID: 500-211614-1

Job ID: 500-211614-1

Laboratory: Eurofins Chicago

Narrative

Job Narrative
500-211614-1

Comments

No additional comments.

Receipt

The samples were received on 1/29/2022 11:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 1.3° C.

GC/MS VOA

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC/MS Semi VOA

Method 8270D: The continuing calibration verification (CCV) analyzed in batch 500-640336 was outside the method criteria for the following analyte(s): Dibenz(a,h)anthracene and Indeno[1,2,3-cd]pyrene. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8270D: The following samples were diluted due to the nature of the sample matrix: TW1 (500-211614-1) and TW2 (500-211614-2). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Stantec Consulting Corp.
Project/Site: East Mason/Finger Road Prop - 193708667

Job ID: 500-211614-1

Client Sample ID: TW1

Lab Sample ID: 500-211614-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	0.94		0.50	0.18	ug/L	1		8260B	Total/NA
Xylenes, Total	1.4		1.0	0.22	ug/L	1		8260B	Total/NA

Client Sample ID: TW2

Lab Sample ID: 500-211614-2

No Detections.

Client Sample ID: TW3

Lab Sample ID: 500-211614-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Xylenes, Total	0.87	J	1.0	0.22	ug/L	1		8260B	Total/NA

Client Sample ID: TW4

Lab Sample ID: 500-211614-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	0.69		0.50	0.18	ug/L	1		8260B	Total/NA
p-Isopropyltoluene	0.98	J	1.0	0.36	ug/L	1		8260B	Total/NA

Client Sample ID: Trip Blank

Lab Sample ID: 500-211614-5

No Detections.

Method Summary

Client: Stantec Consulting Corp.

Job ID: 500-211614-1

Project/Site: East Mason/Finger Road Prop - 193708667

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL CHI
6020A	Metals (ICP/MS)	SW846	TAL CHI
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	TAL CHI
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL CHI
5030B	Purge and Trap	SW846	TAL CHI

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: Stantec Consulting Corp.

Job ID: 500-211614-1

Project/Site: East Mason/Finger Road Prop - 193708667

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-211614-1	TW1	Water	01/27/22 12:45	01/29/22 11:00
500-211614-2	TW2	Water	01/27/22 13:25	01/29/22 11:00
500-211614-3	TW3	Water	01/27/22 13:50	01/29/22 11:00
500-211614-4	TW4	Water	01/27/22 14:20	01/29/22 11:00
500-211614-5	Trip Blank	Water	01/27/22 00:00	01/29/22 11:00

Client Sample Results

Client: Stantec Consulting Corp.
Project/Site: East Mason/Finger Road Prop - 193708667

Job ID: 500-211614-1

Client Sample ID: TW1

Lab Sample ID: 500-211614-1

Date Collected: 01/27/22 12:45

Matrix: Water

Date Received: 01/29/22 11:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			01/31/22 15:06	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			01/31/22 15:06	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			01/31/22 15:06	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			01/31/22 15:06	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			01/31/22 15:06	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			01/31/22 15:06	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			01/31/22 15:06	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			01/31/22 15:06	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			01/31/22 15:06	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			01/31/22 15:06	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			01/31/22 15:06	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			01/31/22 15:06	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			01/31/22 15:06	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			01/31/22 15:06	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			01/31/22 15:06	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			01/31/22 15:06	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			01/31/22 15:06	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			01/31/22 15:06	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			01/31/22 15:06	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			01/31/22 15:06	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			01/31/22 15:06	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			01/31/22 15:06	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			01/31/22 15:06	1
Benzene	<0.15		0.50	0.15	ug/L			01/31/22 15:06	1
Bromobenzene	<0.36		1.0	0.36	ug/L			01/31/22 15:06	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			01/31/22 15:06	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			01/31/22 15:06	1
Bromoform	<0.48		1.0	0.48	ug/L			01/31/22 15:06	1
Bromomethane	<0.80		3.0	0.80	ug/L			01/31/22 15:06	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			01/31/22 15:06	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			01/31/22 15:06	1
Chloroethane	<0.51		1.0	0.51	ug/L			01/31/22 15:06	1
Chloroform	<0.37		2.0	0.37	ug/L			01/31/22 15:06	1
Chloromethane	<0.32		1.0	0.32	ug/L			01/31/22 15:06	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			01/31/22 15:06	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			01/31/22 15:06	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			01/31/22 15:06	1
Dibromomethane	<0.27		1.0	0.27	ug/L			01/31/22 15:06	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			01/31/22 15:06	1
Ethylbenzene	0.94		0.50	0.18	ug/L			01/31/22 15:06	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			01/31/22 15:06	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			01/31/22 15:06	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			01/31/22 15:06	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			01/31/22 15:06	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			01/31/22 15:06	1
Naphthalene	<0.34		1.0	0.34	ug/L			01/31/22 15:06	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			01/31/22 15:06	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			01/31/22 15:06	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			01/31/22 15:06	1

Eurofins Chicago

Client Sample Results

Client: Stantec Consulting Corp.
Project/Site: East Mason/Finger Road Prop - 193708667

Job ID: 500-211614-1

Client Sample ID: TW1

Lab Sample ID: 500-211614-1

Date Collected: 01/27/22 12:45

Matrix: Water

Date Received: 01/29/22 11:00

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			01/31/22 15:06	1
Styrene	<0.39		1.0	0.39	ug/L			01/31/22 15:06	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			01/31/22 15:06	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			01/31/22 15:06	1
Toluene	<0.15		0.50	0.15	ug/L			01/31/22 15:06	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			01/31/22 15:06	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			01/31/22 15:06	1
Trichloroethene	<0.16		0.50	0.16	ug/L			01/31/22 15:06	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			01/31/22 15:06	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			01/31/22 15:06	1
Xylenes, Total	1.4		1.0	0.22	ug/L			01/31/22 15:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		75 - 126		01/31/22 15:06	1
4-Bromofluorobenzene (Surr)	104		72 - 124		01/31/22 15:06	1
Dibromofluoromethane (Surr)	99		75 - 120		01/31/22 15:06	1
Toluene-d8 (Surr)	98		75 - 120		01/31/22 15:06	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.46		3.1	0.46	ug/L		01/31/22 07:08	02/01/22 17:50	2
2-Methylnaphthalene	<0.099		3.1	0.099	ug/L		01/31/22 07:08	02/01/22 17:50	2
Acenaphthene	<0.47		1.5	0.47	ug/L		01/31/22 07:08	02/01/22 17:50	2
Acenaphthylene	<0.41		1.5	0.41	ug/L		01/31/22 07:08	02/01/22 17:50	2
Anthracene	<0.51		1.5	0.51	ug/L		01/31/22 07:08	02/01/22 17:50	2
Benzo[a]anthracene	<0.086		0.31	0.086	ug/L		01/31/22 07:08	02/01/22 17:50	2
Benzo[a]pyrene	<0.15		0.31	0.15	ug/L		01/31/22 07:08	02/01/22 17:50	2
Benzo[b]fluoranthene	<0.12		0.31	0.12	ug/L		01/31/22 07:08	02/01/22 17:50	2
Benzo[g,h,i]perylene	<0.57		1.5	0.57	ug/L		01/31/22 07:08	02/01/22 17:50	2
Benzo[k]fluoranthene	<0.098		0.31	0.098	ug/L		01/31/22 07:08	02/01/22 17:50	2
Chrysene	<0.10		0.31	0.10	ug/L		01/31/22 07:08	02/01/22 17:50	2
Dibenz(a,h)anthracene	<0.077		0.46	0.077	ug/L		01/31/22 07:08	02/01/22 17:50	2
Fluoranthene	<0.69		1.5	0.69	ug/L		01/31/22 07:08	02/01/22 17:50	2
Fluorene	<0.37		1.5	0.37	ug/L		01/31/22 07:08	02/01/22 17:50	2
Indeno[1,2,3-cd]pyrene	<0.11		0.31	0.11	ug/L		01/31/22 07:08	02/01/22 17:50	2
Naphthalene	<0.47		1.5	0.47	ug/L		01/31/22 07:08	02/01/22 17:50	2
Phenanthrene	<0.46		1.5	0.46	ug/L		01/31/22 07:08	02/01/22 17:50	2
Pyrene	<0.65		1.5	0.65	ug/L		01/31/22 07:08	02/01/22 17:50	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	77		34 - 110	01/31/22 07:08	02/01/22 17:50	2
Nitrobenzene-d5 (Surr)	68		36 - 120	01/31/22 07:08	02/01/22 17:50	2
Terphenyl-d14 (Surr)	86		40 - 145	01/31/22 07:08	02/01/22 17:50	2

Method: 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.19		0.50	0.19	ug/L		02/01/22 06:30	02/01/22 18:09	1

Eurofins Chicago

Client Sample Results

Client: Stantec Consulting Corp.
Project/Site: East Mason/Finger Road Prop - 193708667

Job ID: 500-211614-1

Client Sample ID: TW2

Lab Sample ID: 500-211614-2

Date Collected: 01/27/22 13:25

Matrix: Water

Date Received: 01/29/22 11:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			01/31/22 15:29	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			01/31/22 15:29	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			01/31/22 15:29	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			01/31/22 15:29	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			01/31/22 15:29	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			01/31/22 15:29	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			01/31/22 15:29	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			01/31/22 15:29	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			01/31/22 15:29	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			01/31/22 15:29	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			01/31/22 15:29	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			01/31/22 15:29	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			01/31/22 15:29	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			01/31/22 15:29	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			01/31/22 15:29	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			01/31/22 15:29	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			01/31/22 15:29	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			01/31/22 15:29	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			01/31/22 15:29	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			01/31/22 15:29	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			01/31/22 15:29	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			01/31/22 15:29	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			01/31/22 15:29	1
Benzene	<0.15		0.50	0.15	ug/L			01/31/22 15:29	1
Bromobenzene	<0.36		1.0	0.36	ug/L			01/31/22 15:29	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			01/31/22 15:29	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			01/31/22 15:29	1
Bromoform	<0.48		1.0	0.48	ug/L			01/31/22 15:29	1
Bromomethane	<0.80		3.0	0.80	ug/L			01/31/22 15:29	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			01/31/22 15:29	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			01/31/22 15:29	1
Chloroethane	<0.51		1.0	0.51	ug/L			01/31/22 15:29	1
Chloroform	<0.37		2.0	0.37	ug/L			01/31/22 15:29	1
Chloromethane	<0.32		1.0	0.32	ug/L			01/31/22 15:29	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			01/31/22 15:29	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			01/31/22 15:29	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			01/31/22 15:29	1
Dibromomethane	<0.27		1.0	0.27	ug/L			01/31/22 15:29	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			01/31/22 15:29	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			01/31/22 15:29	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			01/31/22 15:29	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			01/31/22 15:29	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			01/31/22 15:29	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			01/31/22 15:29	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			01/31/22 15:29	1
Naphthalene	<0.34		1.0	0.34	ug/L			01/31/22 15:29	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			01/31/22 15:29	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			01/31/22 15:29	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			01/31/22 15:29	1

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Client Sample Results

Client: Stantec Consulting Corp.
Project/Site: East Mason/Finger Road Prop - 193708667

Job ID: 500-211614-1

Client Sample ID: TW2

Lab Sample ID: 500-211614-2

Date Collected: 01/27/22 13:25

Matrix: Water

Date Received: 01/29/22 11:00

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			01/31/22 15:29	1
Styrene	<0.39		1.0	0.39	ug/L			01/31/22 15:29	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			01/31/22 15:29	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			01/31/22 15:29	1
Toluene	<0.15		0.50	0.15	ug/L			01/31/22 15:29	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			01/31/22 15:29	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			01/31/22 15:29	1
Trichloroethene	<0.16		0.50	0.16	ug/L			01/31/22 15:29	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			01/31/22 15:29	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			01/31/22 15:29	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			01/31/22 15:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		75 - 126		01/31/22 15:29	1
4-Bromofluorobenzene (Surr)	105		72 - 124		01/31/22 15:29	1
Dibromofluoromethane (Surr)	97		75 - 120		01/31/22 15:29	1
Toluene-d8 (Surr)	97		75 - 120		01/31/22 15:29	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.47		3.1	0.47	ug/L		01/31/22 07:08	02/01/22 18:14	2
2-Methylnaphthalene	<0.10		3.1	0.10	ug/L		01/31/22 07:08	02/01/22 18:14	2
Acenaphthene	<0.48		1.6	0.48	ug/L		01/31/22 07:08	02/01/22 18:14	2
Acenaphthylene	<0.42		1.6	0.42	ug/L		01/31/22 07:08	02/01/22 18:14	2
Anthracene	<0.52		1.6	0.52	ug/L		01/31/22 07:08	02/01/22 18:14	2
Benzo[a]anthracene	<0.088		0.31	0.088	ug/L		01/31/22 07:08	02/01/22 18:14	2
Benzo[a]pyrene	<0.15		0.31	0.15	ug/L		01/31/22 07:08	02/01/22 18:14	2
Benzo[b]fluoranthene	<0.13		0.31	0.13	ug/L		01/31/22 07:08	02/01/22 18:14	2
Benzo[g,h,i]perylene	<0.58		1.6	0.58	ug/L		01/31/22 07:08	02/01/22 18:14	2
Benzo[k]fluoranthene	<0.10		0.31	0.10	ug/L		01/31/22 07:08	02/01/22 18:14	2
Chrysene	<0.11		0.31	0.11	ug/L		01/31/22 07:08	02/01/22 18:14	2
Dibenz(a,h)anthracene	<0.079		0.47	0.079	ug/L		01/31/22 07:08	02/01/22 18:14	2
Fluoranthene	<0.71		1.6	0.71	ug/L		01/31/22 07:08	02/01/22 18:14	2
Fluorene	<0.38		1.6	0.38	ug/L		01/31/22 07:08	02/01/22 18:14	2
Indeno[1,2,3-cd]pyrene	<0.12		0.31	0.12	ug/L		01/31/22 07:08	02/01/22 18:14	2
Naphthalene	<0.48		1.6	0.48	ug/L		01/31/22 07:08	02/01/22 18:14	2
Phenanthrene	<0.47		1.6	0.47	ug/L		01/31/22 07:08	02/01/22 18:14	2
Pyrene	<0.66		1.6	0.66	ug/L		01/31/22 07:08	02/01/22 18:14	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	79		34 - 110	01/31/22 07:08	02/01/22 18:14	2
Nitrobenzene-d5 (Surr)	67		36 - 120	01/31/22 07:08	02/01/22 18:14	2
Terphenyl-d14 (Surr)	93		40 - 145	01/31/22 07:08	02/01/22 18:14	2

Method: 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.19		0.50	0.19	ug/L		02/01/22 06:30	02/01/22 18:13	1

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Client Sample Results

Client: Stantec Consulting Corp.
Project/Site: East Mason/Finger Road Prop - 193708667

Job ID: 500-211614-1

Client Sample ID: TW3

Lab Sample ID: 500-211614-3

Date Collected: 01/27/22 13:50

Matrix: Water

Date Received: 01/29/22 11:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			01/31/22 15:52	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			01/31/22 15:52	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			01/31/22 15:52	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			01/31/22 15:52	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			01/31/22 15:52	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			01/31/22 15:52	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			01/31/22 15:52	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			01/31/22 15:52	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			01/31/22 15:52	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			01/31/22 15:52	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			01/31/22 15:52	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			01/31/22 15:52	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			01/31/22 15:52	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			01/31/22 15:52	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			01/31/22 15:52	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			01/31/22 15:52	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			01/31/22 15:52	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			01/31/22 15:52	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			01/31/22 15:52	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			01/31/22 15:52	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			01/31/22 15:52	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			01/31/22 15:52	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			01/31/22 15:52	1
Benzene	<0.15		0.50	0.15	ug/L			01/31/22 15:52	1
Bromobenzene	<0.36		1.0	0.36	ug/L			01/31/22 15:52	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			01/31/22 15:52	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			01/31/22 15:52	1
Bromoform	<0.48		1.0	0.48	ug/L			01/31/22 15:52	1
Bromomethane	<0.80		3.0	0.80	ug/L			01/31/22 15:52	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			01/31/22 15:52	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			01/31/22 15:52	1
Chloroethane	<0.51		1.0	0.51	ug/L			01/31/22 15:52	1
Chloroform	<0.37		2.0	0.37	ug/L			01/31/22 15:52	1
Chloromethane	<0.32		1.0	0.32	ug/L			01/31/22 15:52	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			01/31/22 15:52	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			01/31/22 15:52	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			01/31/22 15:52	1
Dibromomethane	<0.27		1.0	0.27	ug/L			01/31/22 15:52	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			01/31/22 15:52	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			01/31/22 15:52	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			01/31/22 15:52	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			01/31/22 15:52	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			01/31/22 15:52	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			01/31/22 15:52	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			01/31/22 15:52	1
Naphthalene	<0.34		1.0	0.34	ug/L			01/31/22 15:52	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			01/31/22 15:52	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			01/31/22 15:52	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			01/31/22 15:52	1

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Client Sample Results

Client: Stantec Consulting Corp.
Project/Site: East Mason/Finger Road Prop - 193708667

Job ID: 500-211614-1

Client Sample ID: TW3

Lab Sample ID: 500-211614-3

Date Collected: 01/27/22 13:50

Matrix: Water

Date Received: 01/29/22 11:00

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			01/31/22 15:52	1
Styrene	<0.39		1.0	0.39	ug/L			01/31/22 15:52	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			01/31/22 15:52	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			01/31/22 15:52	1
Toluene	<0.15		0.50	0.15	ug/L			01/31/22 15:52	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			01/31/22 15:52	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			01/31/22 15:52	1
Trichloroethene	<0.16		0.50	0.16	ug/L			01/31/22 15:52	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			01/31/22 15:52	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			01/31/22 15:52	1
Xylenes, Total	0.87	J	1.0	0.22	ug/L			01/31/22 15:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		75 - 126		01/31/22 15:52	1
4-Bromofluorobenzene (Surr)	104		72 - 124		01/31/22 15:52	1
Dibromofluoromethane (Surr)	97		75 - 120		01/31/22 15:52	1
Toluene-d8 (Surr)	98		75 - 120		01/31/22 15:52	1

Client Sample Results

Client: Stantec Consulting Corp.
Project/Site: East Mason/Finger Road Prop - 193708667

Job ID: 500-211614-1

Client Sample ID: TW4

Lab Sample ID: 500-211614-4

Date Collected: 01/27/22 14:20

Matrix: Water

Date Received: 01/29/22 11:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			01/31/22 16:15	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			01/31/22 16:15	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			01/31/22 16:15	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			01/31/22 16:15	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			01/31/22 16:15	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			01/31/22 16:15	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			01/31/22 16:15	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			01/31/22 16:15	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			01/31/22 16:15	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			01/31/22 16:15	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			01/31/22 16:15	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			01/31/22 16:15	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			01/31/22 16:15	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			01/31/22 16:15	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			01/31/22 16:15	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			01/31/22 16:15	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			01/31/22 16:15	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			01/31/22 16:15	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			01/31/22 16:15	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			01/31/22 16:15	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			01/31/22 16:15	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			01/31/22 16:15	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			01/31/22 16:15	1
Benzene	<0.15		0.50	0.15	ug/L			01/31/22 16:15	1
Bromobenzene	<0.36		1.0	0.36	ug/L			01/31/22 16:15	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			01/31/22 16:15	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			01/31/22 16:15	1
Bromoform	<0.48		1.0	0.48	ug/L			01/31/22 16:15	1
Bromomethane	<0.80		3.0	0.80	ug/L			01/31/22 16:15	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			01/31/22 16:15	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			01/31/22 16:15	1
Chloroethane	<0.51		1.0	0.51	ug/L			01/31/22 16:15	1
Chloroform	<0.37		2.0	0.37	ug/L			01/31/22 16:15	1
Chloromethane	<0.32		1.0	0.32	ug/L			01/31/22 16:15	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			01/31/22 16:15	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			01/31/22 16:15	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			01/31/22 16:15	1
Dibromomethane	<0.27		1.0	0.27	ug/L			01/31/22 16:15	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			01/31/22 16:15	1
Ethylbenzene	0.69		0.50	0.18	ug/L			01/31/22 16:15	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			01/31/22 16:15	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			01/31/22 16:15	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			01/31/22 16:15	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			01/31/22 16:15	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			01/31/22 16:15	1
Naphthalene	<0.34		1.0	0.34	ug/L			01/31/22 16:15	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			01/31/22 16:15	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			01/31/22 16:15	1
p-Isopropyltoluene	0.98 J		1.0	0.36	ug/L			01/31/22 16:15	1

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Client Sample Results

Client: Stantec Consulting Corp.
Project/Site: East Mason/Finger Road Prop - 193708667

Job ID: 500-211614-1

Client Sample ID: TW4

Lab Sample ID: 500-211614-4

Date Collected: 01/27/22 14:20

Matrix: Water

Date Received: 01/29/22 11:00

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			01/31/22 16:15	1
Styrene	<0.39		1.0	0.39	ug/L			01/31/22 16:15	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			01/31/22 16:15	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			01/31/22 16:15	1
Toluene	<0.15		0.50	0.15	ug/L			01/31/22 16:15	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			01/31/22 16:15	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			01/31/22 16:15	1
Trichloroethene	<0.16		0.50	0.16	ug/L			01/31/22 16:15	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			01/31/22 16:15	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			01/31/22 16:15	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			01/31/22 16:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		75 - 126		01/31/22 16:15	1
4-Bromofluorobenzene (Surr)	108		72 - 124		01/31/22 16:15	1
Dibromofluoromethane (Surr)	99		75 - 120		01/31/22 16:15	1
Toluene-d8 (Surr)	99		75 - 120		01/31/22 16:15	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.26		1.7	0.26	ug/L		01/31/22 07:08	02/01/22 18:38	1
2-Methylnaphthalene	<0.056		1.7	0.056	ug/L		01/31/22 07:08	02/01/22 18:38	1
Acenaphthene	<0.27		0.86	0.27	ug/L		01/31/22 07:08	02/01/22 18:38	1
Acenaphthylene	<0.23		0.86	0.23	ug/L		01/31/22 07:08	02/01/22 18:38	1
Anthracene	<0.29		0.86	0.29	ug/L		01/31/22 07:08	02/01/22 18:38	1
Benzo[a]anthracene	<0.049		0.17	0.049	ug/L		01/31/22 07:08	02/01/22 18:38	1
Benzo[a]pyrene	<0.085		0.17	0.085	ug/L		01/31/22 07:08	02/01/22 18:38	1
Benzo[b]fluoranthene	<0.069		0.17	0.069	ug/L		01/31/22 07:08	02/01/22 18:38	1
Benzo[g,h,i]perylene	<0.32		0.86	0.32	ug/L		01/31/22 07:08	02/01/22 18:38	1
Benzo[k]fluoranthene	<0.055		0.17	0.055	ug/L		01/31/22 07:08	02/01/22 18:38	1
Chrysene	<0.059		0.17	0.059	ug/L		01/31/22 07:08	02/01/22 18:38	1
Dibenz(a,h)anthracene	<0.044		0.26	0.044	ug/L		01/31/22 07:08	02/01/22 18:38	1
Fluoranthene	<0.39		0.86	0.39	ug/L		01/31/22 07:08	02/01/22 18:38	1
Fluorene	<0.21		0.86	0.21	ug/L		01/31/22 07:08	02/01/22 18:38	1
Indeno[1,2,3-cd]pyrene	<0.064		0.17	0.064	ug/L		01/31/22 07:08	02/01/22 18:38	1
Naphthalene	<0.27		0.86	0.27	ug/L		01/31/22 07:08	02/01/22 18:38	1
Phenanthrene	<0.26		0.86	0.26	ug/L		01/31/22 07:08	02/01/22 18:38	1
Pyrene	<0.37		0.86	0.37	ug/L		01/31/22 07:08	02/01/22 18:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	68		34 - 110	01/31/22 07:08	02/01/22 18:38	1
Nitrobenzene-d5 (Surr)	66		36 - 120	01/31/22 07:08	02/01/22 18:38	1
Terphenyl-d14 (Surr)	80		40 - 145	01/31/22 07:08	02/01/22 18:38	1

Method: 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.19		0.50	0.19	ug/L		02/01/22 06:30	02/01/22 18:16	1

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Client Sample Results

Client: Stantec Consulting Corp.
Project/Site: East Mason/Finger Road Prop - 193708667

Job ID: 500-211614-1

Client Sample ID: Trip Blank

Lab Sample ID: 500-211614-5

Date Collected: 01/27/22 00:00

Matrix: Water

Date Received: 01/29/22 11:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			02/01/22 12:39	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			02/01/22 12:39	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			02/01/22 12:39	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			02/01/22 12:39	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			02/01/22 12:39	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			02/01/22 12:39	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			02/01/22 12:39	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			02/01/22 12:39	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			02/01/22 12:39	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			02/01/22 12:39	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			02/01/22 12:39	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			02/01/22 12:39	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			02/01/22 12:39	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			02/01/22 12:39	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			02/01/22 12:39	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			02/01/22 12:39	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			02/01/22 12:39	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			02/01/22 12:39	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			02/01/22 12:39	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			02/01/22 12:39	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			02/01/22 12:39	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			02/01/22 12:39	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			02/01/22 12:39	1
Benzene	<0.15		0.50	0.15	ug/L			02/01/22 12:39	1
Bromobenzene	<0.36		1.0	0.36	ug/L			02/01/22 12:39	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			02/01/22 12:39	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			02/01/22 12:39	1
Bromoform	<0.48		1.0	0.48	ug/L			02/01/22 12:39	1
Bromomethane	<0.80		3.0	0.80	ug/L			02/01/22 12:39	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			02/01/22 12:39	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			02/01/22 12:39	1
Chloroethane	<0.51		1.0	0.51	ug/L			02/01/22 12:39	1
Chloroform	<0.37		2.0	0.37	ug/L			02/01/22 12:39	1
Chloromethane	<0.32		1.0	0.32	ug/L			02/01/22 12:39	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			02/01/22 12:39	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			02/01/22 12:39	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			02/01/22 12:39	1
Dibromomethane	<0.27		1.0	0.27	ug/L			02/01/22 12:39	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			02/01/22 12:39	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			02/01/22 12:39	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			02/01/22 12:39	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			02/01/22 12:39	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			02/01/22 12:39	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			02/01/22 12:39	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			02/01/22 12:39	1
Naphthalene	<0.34		1.0	0.34	ug/L			02/01/22 12:39	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			02/01/22 12:39	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			02/01/22 12:39	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			02/01/22 12:39	1

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Client Sample Results

Client: Stantec Consulting Corp.
Project/Site: East Mason/Finger Road Prop - 193708667

Job ID: 500-211614-1

Client Sample ID: Trip Blank

Lab Sample ID: 500-211614-5

Date Collected: 01/27/22 00:00

Matrix: Water

Date Received: 01/29/22 11:00

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			02/01/22 12:39	1
Styrene	<0.39		1.0	0.39	ug/L			02/01/22 12:39	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			02/01/22 12:39	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			02/01/22 12:39	1
Toluene	<0.15		0.50	0.15	ug/L			02/01/22 12:39	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			02/01/22 12:39	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			02/01/22 12:39	1
Trichloroethene	<0.16		0.50	0.16	ug/L			02/01/22 12:39	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			02/01/22 12:39	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			02/01/22 12:39	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			02/01/22 12:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		75 - 126		02/01/22 12:39	1
4-Bromofluorobenzene (Surr)	106		72 - 124		02/01/22 12:39	1
Dibromofluoromethane (Surr)	99		75 - 120		02/01/22 12:39	1
Toluene-d8 (Surr)	98		75 - 120		02/01/22 12:39	1

Definitions/Glossary

Client: Stantec Consulting Corp.
Project/Site: East Mason/Finger Road Prop - 193708667

Job ID: 500-211614-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

QC Association Summary

Client: Stantec Consulting Corp.
Project/Site: East Mason/Finger Road Prop - 193708667

Job ID: 500-211614-1

GC/MS VOA

Analysis Batch: 640234

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-211614-1	TW1	Total/NA	Water	8260B	
500-211614-2	TW2	Total/NA	Water	8260B	
500-211614-3	TW3	Total/NA	Water	8260B	
500-211614-4	TW4	Total/NA	Water	8260B	
MB 500-640234/7	Method Blank	Total/NA	Water	8260B	
LCS 500-640234/5	Lab Control Sample	Total/NA	Water	8260B	
500-211614-1 MS	TW1	Total/NA	Water	8260B	
500-211614-1 MSD	TW1	Total/NA	Water	8260B	

Analysis Batch: 640379

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-211614-5	Trip Blank	Total/NA	Water	8260B	
MB 500-640379/7	Method Blank	Total/NA	Water	8260B	
LCS 500-640379/5	Lab Control Sample	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 640111

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-211614-1	TW1	Total/NA	Water	3510C	
500-211614-2	TW2	Total/NA	Water	3510C	
500-211614-4	TW4	Total/NA	Water	3510C	
MB 500-640111/1-A	Method Blank	Total/NA	Water	3510C	
LCS 500-640111/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 500-640111/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 640336

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-211614-1	TW1	Total/NA	Water	8270D	640111
500-211614-2	TW2	Total/NA	Water	8270D	640111
500-211614-4	TW4	Total/NA	Water	8270D	640111
MB 500-640111/1-A	Method Blank	Total/NA	Water	8270D	640111
LCS 500-640111/2-A	Lab Control Sample	Total/NA	Water	8270D	640111
LCSD 500-640111/3-A	Lab Control Sample Dup	Total/NA	Water	8270D	640111

Metals

Prep Batch: 640256

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-211614-1	TW1	Total Recoverable	Water	3005A	
500-211614-2	TW2	Total Recoverable	Water	3005A	
500-211614-4	TW4	Total Recoverable	Water	3005A	
MB 500-640256/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-640256/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 640664

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-211614-1	TW1	Total Recoverable	Water	6020A	640256
500-211614-2	TW2	Total Recoverable	Water	6020A	640256
500-211614-4	TW4	Total Recoverable	Water	6020A	640256
MB 500-640256/1-A	Method Blank	Total Recoverable	Water	6020A	640256
LCS 500-640256/2-A	Lab Control Sample	Total Recoverable	Water	6020A	640256

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Surrogate Summary

Client: Stantec Consulting Corp.
Project/Site: East Mason/Finger Road Prop - 193708667

Job ID: 500-211614-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (75-126)	BFB (72-124)	DBFM (75-120)	TOL (75-120)
500-211614-1	TW1	98	104	99	98
500-211614-1 MS	TW1	100	107	101	98
500-211614-1 MSD	TW1	103	105	99	98
500-211614-2	TW2	99	105	97	97
500-211614-3	TW3	98	104	97	98
500-211614-4	TW4	99	108	99	99
500-211614-5	Trip Blank	100	106	99	98
LCS 500-640234/5	Lab Control Sample	95	101	98	99
LCS 500-640379/5	Lab Control Sample	97	102	97	97
MB 500-640234/7	Method Blank	98	102	98	96
MB 500-640379/7	Method Blank	98	105	98	99

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

TOL = Toluene-d8 (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		FBP (34-110)	NBZ (36-120)	TPHL (40-145)
500-211614-1	TW1	77	68	86
500-211614-2	TW2	79	67	93
500-211614-4	TW4	68	66	80
LCS 500-640111/2-A	Lab Control Sample	78	83	89
LCSD 500-640111/3-A	Lab Control Sample Dup	76	86	95
MB 500-640111/1-A	Method Blank	61	62	77

Surrogate Legend

FBP = 2-Fluorobiphenyl (Surr)

NBZ = Nitrobenzene-d5 (Surr)

TPHL = Terphenyl-d14 (Surr)

QC Sample Results

Client: Stantec Consulting Corp.
Project/Site: East Mason/Finger Road Prop - 193708667

Job ID: 500-211614-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 500-640234/7

Matrix: Water

Analysis Batch: 640234

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			01/31/22 13:57	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			01/31/22 13:57	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			01/31/22 13:57	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			01/31/22 13:57	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			01/31/22 13:57	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			01/31/22 13:57	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			01/31/22 13:57	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			01/31/22 13:57	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			01/31/22 13:57	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			01/31/22 13:57	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			01/31/22 13:57	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			01/31/22 13:57	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			01/31/22 13:57	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			01/31/22 13:57	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			01/31/22 13:57	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			01/31/22 13:57	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			01/31/22 13:57	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			01/31/22 13:57	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			01/31/22 13:57	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			01/31/22 13:57	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			01/31/22 13:57	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			01/31/22 13:57	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			01/31/22 13:57	1
Benzene	<0.15		0.50	0.15	ug/L			01/31/22 13:57	1
Bromobenzene	<0.36		1.0	0.36	ug/L			01/31/22 13:57	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			01/31/22 13:57	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			01/31/22 13:57	1
Bromoform	<0.48		1.0	0.48	ug/L			01/31/22 13:57	1
Bromomethane	<0.80		3.0	0.80	ug/L			01/31/22 13:57	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			01/31/22 13:57	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			01/31/22 13:57	1
Chloroethane	<0.51		1.0	0.51	ug/L			01/31/22 13:57	1
Chloroform	<0.37		2.0	0.37	ug/L			01/31/22 13:57	1
Chloromethane	<0.32		1.0	0.32	ug/L			01/31/22 13:57	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			01/31/22 13:57	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			01/31/22 13:57	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			01/31/22 13:57	1
Dibromomethane	<0.27		1.0	0.27	ug/L			01/31/22 13:57	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			01/31/22 13:57	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			01/31/22 13:57	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			01/31/22 13:57	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			01/31/22 13:57	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			01/31/22 13:57	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			01/31/22 13:57	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			01/31/22 13:57	1
Naphthalene	<0.34		1.0	0.34	ug/L			01/31/22 13:57	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			01/31/22 13:57	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			01/31/22 13:57	1

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QC Sample Results

Client: Stantec Consulting Corp.
Project/Site: East Mason/Finger Road Prop - 193708667

Job ID: 500-211614-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-640234/7

Matrix: Water

Analysis Batch: 640234

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			01/31/22 13:57	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			01/31/22 13:57	1
Styrene	<0.39		1.0	0.39	ug/L			01/31/22 13:57	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			01/31/22 13:57	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			01/31/22 13:57	1
Toluene	<0.15		0.50	0.15	ug/L			01/31/22 13:57	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			01/31/22 13:57	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			01/31/22 13:57	1
Trichloroethene	<0.16		0.50	0.16	ug/L			01/31/22 13:57	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			01/31/22 13:57	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			01/31/22 13:57	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			01/31/22 13:57	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		75 - 126		01/31/22 13:57	1
4-Bromofluorobenzene (Surr)	102		72 - 124		01/31/22 13:57	1
Dibromofluoromethane (Surr)	98		75 - 120		01/31/22 13:57	1
Toluene-d8 (Surr)	96		75 - 120		01/31/22 13:57	1

Lab Sample ID: LCS 500-640234/5

Matrix: Water

Analysis Batch: 640234

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	50.0	45.2		ug/L		90	70 - 125
1,1,1-Trichloroethane	50.0	44.3		ug/L		89	70 - 125
1,1,2,2-Tetrachloroethane	50.0	43.3		ug/L		87	62 - 140
1,1,2-Trichloroethane	50.0	43.5		ug/L		87	71 - 130
1,1-Dichloroethane	50.0	42.4		ug/L		85	70 - 125
1,1-Dichloroethene	50.0	42.8		ug/L		86	67 - 122
1,1-Dichloropropene	50.0	45.4		ug/L		91	70 - 121
1,2,3-Trichlorobenzene	50.0	47.5		ug/L		95	51 - 145
1,2,3-Trichloropropane	50.0	45.8		ug/L		92	50 - 133
1,2,4-Trichlorobenzene	50.0	46.9		ug/L		94	57 - 137
1,2,4-Trimethylbenzene	50.0	45.5		ug/L		91	70 - 123
1,2-Dibromo-3-Chloropropane	50.0	45.6		ug/L		91	56 - 123
1,2-Dibromoethane	50.0	43.9		ug/L		88	70 - 125
1,2-Dichlorobenzene	50.0	44.4		ug/L		89	70 - 125
1,2-Dichloroethane	50.0	43.4		ug/L		87	68 - 127
1,2-Dichloropropane	50.0	43.5		ug/L		87	67 - 130
1,3,5-Trimethylbenzene	50.0	45.4		ug/L		91	70 - 123
1,3-Dichlorobenzene	50.0	44.9		ug/L		90	70 - 125
1,3-Dichloropropane	50.0	43.9		ug/L		88	62 - 136
1,4-Dichlorobenzene	50.0	44.0		ug/L		88	70 - 120
2,2-Dichloropropane	50.0	43.6		ug/L		87	58 - 139
2-Chlorotoluene	50.0	44.8		ug/L		90	70 - 125
4-Chlorotoluene	50.0	45.2		ug/L		90	68 - 124
Benzene	50.0	42.2		ug/L		84	70 - 120

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QC Sample Results

Client: Stantec Consulting Corp.
Project/Site: East Mason/Finger Road Prop - 193708667

Job ID: 500-211614-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-640234/5

Matrix: Water

Analysis Batch: 640234

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromobenzene	50.0	45.1		ug/L		90	70 - 122
Bromochloromethane	50.0	43.5		ug/L		87	65 - 122
Bromodichloromethane	50.0	42.9		ug/L		86	69 - 120
Bromoform	50.0	47.2		ug/L		94	56 - 132
Bromomethane	50.0	37.9		ug/L		76	40 - 152
Carbon tetrachloride	50.0	46.1		ug/L		92	59 - 133
Chlorobenzene	50.0	44.7		ug/L		89	70 - 120
Chloroethane	50.0	32.3		ug/L		65	48 - 136
Chloroform	50.0	40.7		ug/L		81	70 - 120
Chloromethane	50.0	34.5		ug/L		69	56 - 152
cis-1,2-Dichloroethene	50.0	42.7		ug/L		85	70 - 125
cis-1,3-Dichloropropene	50.0	44.5		ug/L		89	64 - 127
Dibromochloromethane	50.0	44.2		ug/L		88	68 - 125
Dibromomethane	50.0	44.9		ug/L		90	70 - 120
Dichlorodifluoromethane	50.0	31.7		ug/L		63	40 - 159
Ethylbenzene	50.0	44.6		ug/L		89	70 - 123
Hexachlorobutadiene	50.0	47.6		ug/L		95	51 - 150
Isopropylbenzene	50.0	46.4		ug/L		93	70 - 126
Methyl tert-butyl ether	50.0	41.5		ug/L		83	55 - 123
Methylene Chloride	50.0	41.8		ug/L		84	69 - 125
Naphthalene	50.0	45.7		ug/L		91	53 - 144
n-Butylbenzene	50.0	47.2		ug/L		94	68 - 125
N-Propylbenzene	50.0	45.8		ug/L		92	69 - 127
p-Isopropyltoluene	50.0	46.8		ug/L		94	70 - 125
sec-Butylbenzene	50.0	46.0		ug/L		92	70 - 123
Styrene	50.0	44.2		ug/L		88	70 - 120
tert-Butylbenzene	50.0	47.8		ug/L		96	70 - 121
Tetrachloroethene	50.0	45.8		ug/L		92	70 - 128
Toluene	50.0	44.9		ug/L		90	70 - 125
trans-1,2-Dichloroethene	50.0	42.5		ug/L		85	70 - 125
trans-1,3-Dichloropropene	50.0	44.5		ug/L		89	62 - 128
Trichloroethene	50.0	45.6		ug/L		91	70 - 125
Trichlorofluoromethane	50.0	39.1		ug/L		78	55 - 128
Vinyl chloride	50.0	35.8		ug/L		72	64 - 126
Xylenes, Total	100	87.6		ug/L		88	70 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	95		75 - 126
4-Bromofluorobenzene (Surr)	101		72 - 124
Dibromofluoromethane (Surr)	98		75 - 120
Toluene-d8 (Surr)	99		75 - 120

Lab Sample ID: 500-211614-1 MS

Matrix: Water

Analysis Batch: 640234

Client Sample ID: TW1

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	<0.46		50.0	52.8		ug/L		106	70 - 125

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QC Sample Results

Client: Stantec Consulting Corp.
Project/Site: East Mason/Finger Road Prop - 193708667

Job ID: 500-211614-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-211614-1 MS

Matrix: Water

Analysis Batch: 640234

Client Sample ID: TW1

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	<0.38		50.0	51.4		ug/L		103	70 - 125
1,1,1,2,2-Tetrachloroethane	<0.40		50.0	55.5		ug/L		111	62 - 140
1,1,2-Trichloroethane	<0.35		50.0	50.4		ug/L		101	71 - 130
1,1-Dichloroethane	<0.41		50.0	51.3		ug/L		103	70 - 125
1,1-Dichloroethene	<0.39		50.0	48.5		ug/L		97	67 - 122
1,1-Dichloropropene	<0.30		50.0	51.5		ug/L		103	70 - 121
1,2,3-Trichlorobenzene	<0.46		50.0	49.8		ug/L		100	51 - 145
1,2,3-Trichloropropane	<0.41		50.0	56.5		ug/L		113	50 - 133
1,2,4-Trichlorobenzene	<0.34		50.0	47.1		ug/L		94	57 - 137
1,2,4-Trimethylbenzene	<0.36		50.0	54.9		ug/L		110	70 - 123
1,2-Dibromo-3-Chloropropane	<2.0		50.0	55.1		ug/L		110	56 - 123
1,2-Dibromoethane	<0.39		50.0	49.3		ug/L		99	70 - 125
1,2-Dichlorobenzene	<0.33		50.0	52.1		ug/L		104	70 - 125
1,2-Dichloroethane	<0.39		50.0	52.1		ug/L		104	68 - 127
1,2-Dichloropropane	<0.43		50.0	52.6		ug/L		105	67 - 130
1,3,5-Trimethylbenzene	<0.25		50.0	54.9		ug/L		110	70 - 123
1,3-Dichlorobenzene	<0.40		50.0	52.4		ug/L		105	70 - 125
1,3-Dichloropropane	<0.36		50.0	52.1		ug/L		104	62 - 136
1,4-Dichlorobenzene	<0.36		50.0	51.4		ug/L		103	70 - 120
2,2-Dichloropropane	<0.44		50.0	52.3		ug/L		105	58 - 139
2-Chlorotoluene	<0.31		50.0	54.4		ug/L		109	70 - 125
4-Chlorotoluene	<0.35		50.0	54.8		ug/L		110	68 - 124
Benzene	<0.15		50.0	50.0		ug/L		100	70 - 120
Bromobenzene	<0.36		50.0	53.8		ug/L		108	70 - 122
Bromochloromethane	<0.43		50.0	49.5		ug/L		99	65 - 122
Bromodichloromethane	<0.37		50.0	51.9		ug/L		104	69 - 120
Bromoform	<0.48		50.0	53.6		ug/L		107	56 - 132
Bromomethane	<0.80		50.0	61.7		ug/L		123	40 - 152
Carbon tetrachloride	<0.38		50.0	51.6		ug/L		103	59 - 133
Chlorobenzene	<0.39		50.0	51.4		ug/L		103	70 - 120
Chloroethane	<0.51		50.0	44.9		ug/L		90	48 - 136
Chloroform	<0.37		50.0	48.2		ug/L		96	70 - 120
Chloromethane	<0.32		50.0	38.4		ug/L		77	56 - 152
cis-1,2-Dichloroethene	<0.41		50.0	50.7		ug/L		101	70 - 125
cis-1,3-Dichloropropene	<0.42		50.0	50.4		ug/L		101	64 - 127
Dibromochloromethane	<0.49		50.0	50.2		ug/L		100	68 - 125
Dibromomethane	<0.27		50.0	52.0		ug/L		104	70 - 120
Dichlorodifluoromethane	<0.67		50.0	31.9		ug/L		64	40 - 159
Ethylbenzene	0.94		50.0	51.7		ug/L		102	70 - 123
Hexachlorobutadiene	<0.45		50.0	51.0		ug/L		102	51 - 150
Isopropylbenzene	<0.39		50.0	56.2		ug/L		112	70 - 126
Methyl tert-butyl ether	<0.39		50.0	50.5		ug/L		101	55 - 123
Methylene Chloride	<1.6		50.0	50.5		ug/L		101	69 - 125
Naphthalene	<0.34		50.0	50.1		ug/L		100	53 - 144
n-Butylbenzene	<0.39		50.0	53.1		ug/L		106	68 - 125
N-Propylbenzene	<0.41		50.0	55.1		ug/L		110	69 - 127
p-Isopropyltoluene	<0.36		50.0	54.2		ug/L		108	70 - 125
sec-Butylbenzene	<0.40		50.0	54.8		ug/L		110	70 - 123
Styrene	<0.39		50.0	50.6		ug/L		101	70 - 120

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QC Sample Results

Client: Stantec Consulting Corp.
Project/Site: East Mason/Finger Road Prop - 193708667

Job ID: 500-211614-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-211614-1 MS

Matrix: Water

Analysis Batch: 640234

Client Sample ID: TW1

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
tert-Butylbenzene	<0.40		50.0	55.7		ug/L		111	70 - 121
Tetrachloroethene	<0.37		50.0	48.6		ug/L		97	70 - 128
Toluene	<0.15		50.0	50.2		ug/L		100	70 - 125
trans-1,2-Dichloroethene	<0.35		50.0	48.4		ug/L		97	70 - 125
trans-1,3-Dichloropropene	<0.36		50.0	50.8		ug/L		102	62 - 128
Trichloroethene	<0.16		50.0	51.2		ug/L		102	70 - 125
Trichlorofluoromethane	<0.43		50.0	40.5		ug/L		81	55 - 128
Vinyl chloride	<0.20		50.0	39.2		ug/L		78	64 - 126
Xylenes, Total	1.4		100	101		ug/L		100	70 - 125

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	100		75 - 126
4-Bromofluorobenzene (Surr)	107		72 - 124
Dibromofluoromethane (Surr)	101		75 - 120
Toluene-d8 (Surr)	98		75 - 120

Lab Sample ID: 500-211614-1 MSD

Matrix: Water

Analysis Batch: 640234

Client Sample ID: TW1

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	<0.46		50.0	49.3		ug/L		99	70 - 125	7	20
1,1,1-Trichloroethane	<0.38		50.0	46.8		ug/L		94	70 - 125	9	20
1,1,2,2-Tetrachloroethane	<0.40		50.0	52.3		ug/L		105	62 - 140	6	20
1,1,2-Trichloroethane	<0.35		50.0	48.5		ug/L		97	71 - 130	4	20
1,1-Dichloroethane	<0.41		50.0	45.9		ug/L		92	70 - 125	11	20
1,1-Dichloroethene	<0.39		50.0	42.9		ug/L		86	67 - 122	12	20
1,1-Dichloropropene	<0.30		50.0	47.2		ug/L		94	70 - 121	9	20
1,2,3-Trichlorobenzene	<0.46		50.0	46.9		ug/L		94	51 - 145	6	20
1,2,3-Trichloropropane	<0.41		50.0	54.8		ug/L		110	50 - 133	3	20
1,2,4-Trichlorobenzene	<0.34		50.0	43.7		ug/L		87	57 - 137	7	20
1,2,4-Trimethylbenzene	<0.36		50.0	49.1		ug/L		98	70 - 123	11	20
1,2-Dibromo-3-Chloropropane	<2.0		50.0	49.6		ug/L		99	56 - 123	11	20
1,2-Dibromoethane	<0.39		50.0	47.4		ug/L		95	70 - 125	4	20
1,2-Dichlorobenzene	<0.33		50.0	48.0		ug/L		96	70 - 125	8	20
1,2-Dichloroethane	<0.39		50.0	49.3		ug/L		99	68 - 127	6	20
1,2-Dichloropropane	<0.43		50.0	48.0		ug/L		96	67 - 130	9	20
1,3,5-Trimethylbenzene	<0.25		50.0	50.1		ug/L		100	70 - 123	9	20
1,3-Dichlorobenzene	<0.40		50.0	47.8		ug/L		96	70 - 125	9	20
1,3-Dichloropropane	<0.36		50.0	50.1		ug/L		100	62 - 136	4	20
1,4-Dichlorobenzene	<0.36		50.0	47.1		ug/L		94	70 - 120	9	20
2,2-Dichloropropane	<0.44		50.0	46.3		ug/L		93	58 - 139	12	20
2-Chlorotoluene	<0.31		50.0	50.2		ug/L		100	70 - 125	8	20
4-Chlorotoluene	<0.35		50.0	50.5		ug/L		101	68 - 124	8	20
Benzene	<0.15		50.0	45.5		ug/L		91	70 - 120	9	20
Bromobenzene	<0.36		50.0	50.1		ug/L		100	70 - 122	7	20
Bromochloromethane	<0.43		50.0	46.5		ug/L		93	65 - 122	6	20
Bromodichloromethane	<0.37		50.0	47.7		ug/L		95	69 - 120	8	20

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QC Sample Results

Client: Stantec Consulting Corp.
Project/Site: East Mason/Finger Road Prop - 193708667

Job ID: 500-211614-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-211614-1 MSD

Matrix: Water

Analysis Batch: 640234

Client Sample ID: TW1

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bromoform	<0.48		50.0	50.9		ug/L		102	56 - 132	5	20
Bromomethane	<0.80		50.0	59.8		ug/L		120	40 - 152	3	20
Carbon tetrachloride	<0.38		50.0	47.0		ug/L		94	59 - 133	9	20
Chlorobenzene	<0.39		50.0	47.7		ug/L		95	70 - 120	8	20
Chloroethane	<0.51		50.0	42.8		ug/L		86	48 - 136	5	20
Chloroform	<0.37		50.0	44.5		ug/L		89	70 - 120	8	20
Chloromethane	<0.32		50.0	36.4		ug/L		73	56 - 152	5	20
cis-1,2-Dichloroethene	<0.41		50.0	45.7		ug/L		91	70 - 125	10	20
cis-1,3-Dichloropropene	<0.42		50.0	47.8		ug/L		96	64 - 127	5	20
Dibromochloromethane	<0.49		50.0	48.0		ug/L		96	68 - 125	4	20
Dibromomethane	<0.27		50.0	49.5		ug/L		99	70 - 120	5	20
Dichlorodifluoromethane	<0.67		50.0	31.7		ug/L		63	40 - 159	1	20
Ethylbenzene	0.94		50.0	48.2		ug/L		94	70 - 123	7	20
Hexachlorobutadiene	<0.45		50.0	44.3		ug/L		89	51 - 150	14	20
Isopropylbenzene	<0.39		50.0	51.1		ug/L		102	70 - 126	10	20
Methyl tert-butyl ether	<0.39		50.0	46.5		ug/L		93	55 - 123	8	20
Methylene Chloride	<1.6		50.0	45.4		ug/L		91	69 - 125	11	20
Naphthalene	<0.34		50.0	47.7		ug/L		95	53 - 144	5	20
n-Butylbenzene	<0.39		50.0	49.1		ug/L		98	68 - 125	8	20
N-Propylbenzene	<0.41		50.0	51.4		ug/L		103	69 - 127	7	20
p-Isopropyltoluene	<0.36		50.0	49.5		ug/L		99	70 - 125	9	20
sec-Butylbenzene	<0.40		50.0	49.8		ug/L		100	70 - 123	10	20
Styrene	<0.39		50.0	47.8		ug/L		96	70 - 120	6	20
tert-Butylbenzene	<0.40		50.0	51.2		ug/L		102	70 - 121	8	20
Tetrachloroethene	<0.37		50.0	46.2		ug/L		92	70 - 128	5	20
Toluene	<0.15		50.0	47.2		ug/L		94	70 - 125	6	20
trans-1,2-Dichloroethene	<0.35		50.0	44.5		ug/L		89	70 - 125	8	20
trans-1,3-Dichloropropene	<0.36		50.0	48.8		ug/L		98	62 - 128	4	20
Trichloroethene	<0.16		50.0	47.3		ug/L		95	70 - 125	8	20
Trichlorofluoromethane	<0.43		50.0	39.3		ug/L		79	55 - 128	3	20
Vinyl chloride	<0.20		50.0	37.5		ug/L		75	64 - 126	4	20
Xylenes, Total	1.4		100	93.8		ug/L		92	70 - 125	7	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	103		75 - 126
4-Bromofluorobenzene (Surr)	105		72 - 124
Dibromofluoromethane (Surr)	99		75 - 120
Toluene-d8 (Surr)	98		75 - 120

Lab Sample ID: MB 500-640379/7

Matrix: Water

Analysis Batch: 640379

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			02/01/22 11:52	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			02/01/22 11:52	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			02/01/22 11:52	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			02/01/22 11:52	1

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QC Sample Results

Client: Stantec Consulting Corp.
Project/Site: East Mason/Finger Road Prop - 193708667

Job ID: 500-211614-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-640379/7

Matrix: Water

Analysis Batch: 640379

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			02/01/22 11:52	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			02/01/22 11:52	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			02/01/22 11:52	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			02/01/22 11:52	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			02/01/22 11:52	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			02/01/22 11:52	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			02/01/22 11:52	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			02/01/22 11:52	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			02/01/22 11:52	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			02/01/22 11:52	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			02/01/22 11:52	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			02/01/22 11:52	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			02/01/22 11:52	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			02/01/22 11:52	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			02/01/22 11:52	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			02/01/22 11:52	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			02/01/22 11:52	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			02/01/22 11:52	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			02/01/22 11:52	1
Benzene	<0.15		0.50	0.15	ug/L			02/01/22 11:52	1
Bromobenzene	<0.36		1.0	0.36	ug/L			02/01/22 11:52	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			02/01/22 11:52	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			02/01/22 11:52	1
Bromoform	<0.48		1.0	0.48	ug/L			02/01/22 11:52	1
Bromomethane	<0.80		3.0	0.80	ug/L			02/01/22 11:52	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			02/01/22 11:52	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			02/01/22 11:52	1
Chloroethane	<0.51		1.0	0.51	ug/L			02/01/22 11:52	1
Chloroform	<0.37		2.0	0.37	ug/L			02/01/22 11:52	1
Chloromethane	<0.32		1.0	0.32	ug/L			02/01/22 11:52	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			02/01/22 11:52	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			02/01/22 11:52	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			02/01/22 11:52	1
Dibromomethane	<0.27		1.0	0.27	ug/L			02/01/22 11:52	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			02/01/22 11:52	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			02/01/22 11:52	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			02/01/22 11:52	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			02/01/22 11:52	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			02/01/22 11:52	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			02/01/22 11:52	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			02/01/22 11:52	1
Naphthalene	<0.34		1.0	0.34	ug/L			02/01/22 11:52	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			02/01/22 11:52	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			02/01/22 11:52	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			02/01/22 11:52	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			02/01/22 11:52	1
Styrene	<0.39		1.0	0.39	ug/L			02/01/22 11:52	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			02/01/22 11:52	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			02/01/22 11:52	1

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QC Sample Results

Client: Stantec Consulting Corp.
Project/Site: East Mason/Finger Road Prop - 193708667

Job ID: 500-211614-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-640379/7

Matrix: Water

Analysis Batch: 640379

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	<0.15		0.50	0.15	ug/L			02/01/22 11:52	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			02/01/22 11:52	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			02/01/22 11:52	1
Trichloroethene	<0.16		0.50	0.16	ug/L			02/01/22 11:52	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			02/01/22 11:52	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			02/01/22 11:52	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			02/01/22 11:52	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		75 - 126		02/01/22 11:52	1
4-Bromofluorobenzene (Surr)	105		72 - 124		02/01/22 11:52	1
Dibromofluoromethane (Surr)	98		75 - 120		02/01/22 11:52	1
Toluene-d8 (Surr)	99		75 - 120		02/01/22 11:52	1

Lab Sample ID: LCS 500-640379/5

Matrix: Water

Analysis Batch: 640379

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	50.0	44.6		ug/L		89	70 - 125
1,1,1-Trichloroethane	50.0	44.3		ug/L		89	70 - 125
1,1,2,2-Tetrachloroethane	50.0	45.4		ug/L		91	62 - 140
1,1,2-Trichloroethane	50.0	42.6		ug/L		85	71 - 130
1,1-Dichloroethane	50.0	44.0		ug/L		88	70 - 125
1,1-Dichloroethene	50.0	42.0		ug/L		84	67 - 122
1,1-Dichloropropene	50.0	46.6		ug/L		93	70 - 121
1,2,3-Trichlorobenzene	50.0	44.2		ug/L		88	51 - 145
1,2,3-Trichloropropane	50.0	48.3		ug/L		97	50 - 133
1,2,4-Trichlorobenzene	50.0	43.6		ug/L		87	57 - 137
1,2,4-Trimethylbenzene	50.0	46.7		ug/L		93	70 - 123
1,2-Dibromo-3-Chloropropane	50.0	43.6		ug/L		87	56 - 123
1,2-Dibromoethane	50.0	43.2		ug/L		86	70 - 125
1,2-Dichlorobenzene	50.0	44.6		ug/L		89	70 - 125
1,2-Dichloroethane	50.0	45.4		ug/L		91	68 - 127
1,2-Dichloropropane	50.0	45.3		ug/L		91	67 - 130
1,3,5-Trimethylbenzene	50.0	46.7		ug/L		93	70 - 123
1,3-Dichlorobenzene	50.0	45.2		ug/L		90	70 - 125
1,3-Dichloropropane	50.0	45.6		ug/L		91	62 - 136
1,4-Dichlorobenzene	50.0	44.5		ug/L		89	70 - 120
2,2-Dichloropropane	50.0	43.1		ug/L		86	58 - 139
2-Chlorotoluene	50.0	45.9		ug/L		92	70 - 125
4-Chlorotoluene	50.0	47.1		ug/L		94	68 - 124
Benzene	50.0	43.6		ug/L		87	70 - 120
Bromobenzene	50.0	46.0		ug/L		92	70 - 122
Bromochloromethane	50.0	44.5		ug/L		89	65 - 122
Bromodichloromethane	50.0	43.4		ug/L		87	69 - 120
Bromoform	50.0	46.4		ug/L		93	56 - 132
Bromomethane	50.0	39.9		ug/L		80	40 - 152

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QC Sample Results

Client: Stantec Consulting Corp.
Project/Site: East Mason/Finger Road Prop - 193708667

Job ID: 500-211614-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-640379/5

Matrix: Water

Analysis Batch: 640379

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Carbon tetrachloride	50.0	46.4		ug/L		93	59 - 133
Chlorobenzene	50.0	45.3		ug/L		91	70 - 120
Chloroethane	50.0	38.9		ug/L		78	48 - 136
Chloroform	50.0	41.8		ug/L		84	70 - 120
Chloromethane	50.0	38.5		ug/L		77	56 - 152
cis-1,2-Dichloroethene	50.0	44.0		ug/L		88	70 - 125
cis-1,3-Dichloropropene	50.0	44.6		ug/L		89	64 - 127
Dibromochloromethane	50.0	43.1		ug/L		86	68 - 125
Dibromomethane	50.0	45.5		ug/L		91	70 - 120
Dichlorodifluoromethane	50.0	39.7		ug/L		79	40 - 159
Ethylbenzene	50.0	44.8		ug/L		90	70 - 123
Hexachlorobutadiene	50.0	44.0		ug/L		88	51 - 150
Isopropylbenzene	50.0	47.6		ug/L		95	70 - 126
Methyl tert-butyl ether	50.0	42.5		ug/L		85	55 - 123
Methylene Chloride	50.0	42.5		ug/L		85	69 - 125
Naphthalene	50.0	42.6		ug/L		85	53 - 144
n-Butylbenzene	50.0	46.5		ug/L		93	68 - 125
N-Propylbenzene	50.0	47.8		ug/L		96	69 - 127
p-Isopropyltoluene	50.0	46.9		ug/L		94	70 - 125
sec-Butylbenzene	50.0	47.1		ug/L		94	70 - 123
Styrene	50.0	44.5		ug/L		89	70 - 120
tert-Butylbenzene	50.0	47.9		ug/L		96	70 - 121
Tetrachloroethene	50.0	45.1		ug/L		90	70 - 128
Toluene	50.0	45.2		ug/L		90	70 - 125
trans-1,2-Dichloroethene	50.0	43.1		ug/L		86	70 - 125
trans-1,3-Dichloropropene	50.0	45.1		ug/L		90	62 - 128
Trichloroethene	50.0	46.6		ug/L		93	70 - 125
Trichlorofluoromethane	50.0	40.7		ug/L		81	55 - 128
Vinyl chloride	50.0	39.3		ug/L		79	64 - 126
Xylenes, Total	100	86.8		ug/L		87	70 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	97		75 - 126
4-Bromofluorobenzene (Surr)	102		72 - 124
Dibromofluoromethane (Surr)	97		75 - 120
Toluene-d8 (Surr)	97		75 - 120

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 500-640111/1-A

Matrix: Water

Analysis Batch: 640336

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 640111

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.24		1.6	0.24	ug/L		01/31/22 07:08	02/01/22 10:08	1
2-Methylnaphthalene	<0.052		1.6	0.052	ug/L		01/31/22 07:08	02/01/22 10:08	1
Acenaphthene	<0.25		0.80	0.25	ug/L		01/31/22 07:08	02/01/22 10:08	1
Acenaphthylene	<0.21		0.80	0.21	ug/L		01/31/22 07:08	02/01/22 10:08	1
Anthracene	<0.27		0.80	0.27	ug/L		01/31/22 07:08	02/01/22 10:08	1

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QC Sample Results

Client: Stantec Consulting Corp.
Project/Site: East Mason/Finger Road Prop - 193708667

Job ID: 500-211614-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-640111/1-A

Matrix: Water

Analysis Batch: 640336

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 640111

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	<0.045		0.16	0.045	ug/L		01/31/22 07:08	02/01/22 10:08	1
Benzo[a]pyrene	<0.079		0.16	0.079	ug/L		01/31/22 07:08	02/01/22 10:08	1
Benzo[b]fluoranthene	<0.065		0.16	0.065	ug/L		01/31/22 07:08	02/01/22 10:08	1
Benzo[g,h,i]perylene	<0.30		0.80	0.30	ug/L		01/31/22 07:08	02/01/22 10:08	1
Benzo[k]fluoranthene	<0.051		0.16	0.051	ug/L		01/31/22 07:08	02/01/22 10:08	1
Chrysene	<0.055		0.16	0.055	ug/L		01/31/22 07:08	02/01/22 10:08	1
Dibenz(a,h)anthracene	<0.041		0.24	0.041	ug/L		01/31/22 07:08	02/01/22 10:08	1
Fluoranthene	<0.36		0.80	0.36	ug/L		01/31/22 07:08	02/01/22 10:08	1
Fluorene	<0.20		0.80	0.20	ug/L		01/31/22 07:08	02/01/22 10:08	1
Indeno[1,2,3-cd]pyrene	<0.060		0.16	0.060	ug/L		01/31/22 07:08	02/01/22 10:08	1
Naphthalene	<0.25		0.80	0.25	ug/L		01/31/22 07:08	02/01/22 10:08	1
Phenanthrene	<0.24		0.80	0.24	ug/L		01/31/22 07:08	02/01/22 10:08	1
Pyrene	<0.34		0.80	0.34	ug/L		01/31/22 07:08	02/01/22 10:08	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	61		34 - 110	01/31/22 07:08	02/01/22 10:08	1
Nitrobenzene-d5 (Surr)	62		36 - 120	01/31/22 07:08	02/01/22 10:08	1
Terphenyl-d14 (Surr)	77		40 - 145	01/31/22 07:08	02/01/22 10:08	1

Lab Sample ID: LCS 500-640111/2-A

Matrix: Water

Analysis Batch: 640336

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 640111

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1-Methylnaphthalene	32.0	22.1		ug/L		69	38 - 110
2-Methylnaphthalene	32.0	21.7		ug/L		68	34 - 110
Acenaphthene	32.0	23.4		ug/L		73	46 - 110
Acenaphthylene	32.0	26.6		ug/L		83	47 - 113
Anthracene	32.0	27.6		ug/L		86	67 - 118
Benzo[a]anthracene	32.0	27.9		ug/L		87	70 - 126
Benzo[a]pyrene	32.0	32.2		ug/L		101	70 - 135
Benzo[b]fluoranthene	32.0	29.8		ug/L		93	69 - 136
Benzo[g,h,i]perylene	32.0	33.6		ug/L		105	70 - 135
Benzo[k]fluoranthene	32.0	29.4		ug/L		92	70 - 133
Chrysene	32.0	29.6		ug/L		92	68 - 129
Dibenz(a,h)anthracene	32.0	34.6		ug/L		108	70 - 134
Fluoranthene	32.0	29.6		ug/L		92	68 - 126
Fluorene	32.0	24.9		ug/L		78	53 - 120
Indeno[1,2,3-cd]pyrene	32.0	35.1		ug/L		110	65 - 133
Naphthalene	32.0	21.2		ug/L		66	36 - 110
Phenanthrene	32.0	26.4		ug/L		83	65 - 120
Pyrene	32.0	26.6		ug/L		83	70 - 126

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl (Surr)	78		34 - 110
Nitrobenzene-d5 (Surr)	83		36 - 120
Terphenyl-d14 (Surr)	89		40 - 145

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QC Sample Results

Client: Stantec Consulting Corp.
Project/Site: East Mason/Finger Road Prop - 193708667

Job ID: 500-211614-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 500-640111/3-A

Matrix: Water

Analysis Batch: 640336

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 640111

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1-Methylnaphthalene	32.0	25.5		ug/L		80	38 - 110	14	20
2-Methylnaphthalene	32.0	24.9		ug/L		78	34 - 110	14	20
Acenaphthene	32.0	26.0		ug/L		81	46 - 110	11	20
Acenaphthylene	32.0	29.7		ug/L		93	47 - 113	11	20
Anthracene	32.0	30.6		ug/L		96	67 - 118	10	20
Benzo[a]anthracene	32.0	31.7		ug/L		99	70 - 126	13	20
Benzo[a]pyrene	32.0	35.7		ug/L		111	70 - 135	10	20
Benzo[b]fluoranthene	32.0	33.2		ug/L		104	69 - 136	11	20
Benzo[g,h,i]perylene	32.0	37.6		ug/L		118	70 - 135	11	20
Benzo[k]fluoranthene	32.0	33.6		ug/L		105	70 - 133	13	20
Chrysene	32.0	33.5		ug/L		105	68 - 129	13	20
Dibenz(a,h)anthracene	32.0	38.9		ug/L		122	70 - 134	12	20
Fluoranthene	32.0	32.7		ug/L		102	68 - 126	10	20
Fluorene	32.0	27.5		ug/L		86	53 - 120	10	20
Indeno[1,2,3-cd]pyrene	32.0	39.3		ug/L		123	65 - 133	11	20
Naphthalene	32.0	23.8		ug/L		74	36 - 110	11	20
Phenanthrene	32.0	29.4		ug/L		92	65 - 120	11	20
Pyrene	32.0	30.6		ug/L		96	70 - 126	14	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2-Fluorobiphenyl (Surr)	76		34 - 110
Nitrobenzene-d5 (Surr)	86		36 - 120
Terphenyl-d14 (Surr)	95		40 - 145

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MB 500-640256/1-A

Matrix: Water

Analysis Batch: 640664

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 640256

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.19		0.50	0.19	ug/L		02/01/22 06:30	02/01/22 16:35	1

Lab Sample ID: LCS 500-640256/2-A

Matrix: Water

Analysis Batch: 640664

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 640256

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	100	103		ug/L		103	80 - 120

Eurofins Chicago

Lab Chronicle

Client: Stantec Consulting Corp.
Project/Site: East Mason/Finger Road Prop - 193708667

Job ID: 500-211614-1

Client Sample ID: TW1

Date Collected: 01/27/22 12:45

Date Received: 01/29/22 11:00

Lab Sample ID: 500-211614-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	640234	01/31/22 15:06	STW	TAL CHI
Total/NA	Prep	3510C			640111	01/31/22 07:08	ALW	TAL CHI
Total/NA	Analysis	8270D		2	640336	02/01/22 17:50	SS	TAL CHI
Total Recoverable	Prep	3005A			640256	02/01/22 06:30	DAJ	TAL CHI
Total Recoverable	Analysis	6020A		1	640664	02/01/22 18:09	FXG	TAL CHI

Client Sample ID: TW2

Date Collected: 01/27/22 13:25

Date Received: 01/29/22 11:00

Lab Sample ID: 500-211614-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	640234	01/31/22 15:29	STW	TAL CHI
Total/NA	Prep	3510C			640111	01/31/22 07:08	ALW	TAL CHI
Total/NA	Analysis	8270D		2	640336	02/01/22 18:14	SS	TAL CHI
Total Recoverable	Prep	3005A			640256	02/01/22 06:30	DAJ	TAL CHI
Total Recoverable	Analysis	6020A		1	640664	02/01/22 18:13	FXG	TAL CHI

Client Sample ID: TW3

Date Collected: 01/27/22 13:50

Date Received: 01/29/22 11:00

Lab Sample ID: 500-211614-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	640234	01/31/22 15:52	STW	TAL CHI

Client Sample ID: TW4

Date Collected: 01/27/22 14:20

Date Received: 01/29/22 11:00

Lab Sample ID: 500-211614-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	640234	01/31/22 16:15	STW	TAL CHI
Total/NA	Prep	3510C			640111	01/31/22 07:08	ALW	TAL CHI
Total/NA	Analysis	8270D		1	640336	02/01/22 18:38	SS	TAL CHI
Total Recoverable	Prep	3005A			640256	02/01/22 06:30	DAJ	TAL CHI
Total Recoverable	Analysis	6020A		1	640664	02/01/22 18:16	FXG	TAL CHI

Client Sample ID: Trip Blank

Date Collected: 01/27/22 00:00

Date Received: 01/29/22 11:00

Lab Sample ID: 500-211614-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	640379	02/01/22 12:39	STW	TAL CHI

Laboratory References:

TAL CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Eurofins Chicago

Accreditation/Certification Summary

Client: Stantec Consulting Corp.
Project/Site: East Mason/Finger Road Prop - 193708667

Job ID: 500-211614-1

Laboratory: Eurofins Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	999580010	08-31-22

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Eurofins Chicago

2417 Bond Street

University Park IL 60484

Phone 708-534 5200 Fax 708-534-5211

Chain of Custody Record



FILE

Client Information		Sampler <i>Evan Weber</i>		Lab PM Fredrick Sandie		Carrier Tracking No(s)		COC No 500-97812-43019 2		
Client Contact Evan Weber		Phone 920-309-2509		E-Mail sandra.fredrick@eurofinset.com		State of Origin WI		Page Page 2 of 2		
Company Stantec Consulting Corp		PWSID		Analysis Requested					Job # 500-211614	
Address 1165 Scheuring Road		Due Date Requested		 500-211614 COC					Preservation Codes A HCL M Hexane B NaOH N None C Zn Acetate O AsNaO2 D Nitric Acid P Na2O4S E NaHSO4 Q Na2SO3 F MeOH R Na2S2O3 G Amchlor S H2SO4 H Ascorbic Acid T TSP Dodecahydrate I Ice U Acetone J DI Water V MCAA K EDTA W pH 4-5 L EDA Z other (specify) Other	
City De Pere		TAT Requested (days) 10 days or Quickest w/o upcharge								
State Zip WI 54115		Compliance Project: ☐ Yes ☐ No								
Phone 920-309-2509		PO # 193708667								
Email evan.weber@stantec.com		WO #								
Project Name East Mason/Finger Road Parcels 193708667		Project # 50009659		Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		Total Number of Containers		
Site		SSOW#		8260B - VOC		6010C, 7471B, 8270D		8260B - VOC		
				Sample Type (C=Comp, G=grab)		8270D - PAH		6020A, 7470A		
				Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)		Lead				
Sample Identification		Sample Date		Sample Time		Preservation Code		Special Instructions/Note		
1	TW1	1/27/2022	1245	G	Solid Water	X		X	X	
2	TW2	1/27/2022	1325	G	Water	X		X	X	
3	TW3	1/27/2022	1350	G	Water	X				
4	TW4	1/27/2022	1420	G	Water	X		X	X	
5	Tr.p Blank	1/27/2022	-	-	Water	X				
					Water					
					Water					
					Water					
					Water					
Possible Hazard Identification						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)				
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological						☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months				
Deliverable Requested I II III IV Other (specify)						Special Instructions/QC Requirements				
Empty Kit Relinquished by				Date		Time		Method of Shipment		
Relinquished by <i>Evan Weber / Evan J. Weber</i>				Date/Time 1/28/2022 1300		Company Stantec		Received by <i>Stephanie Hemminger</i>		
Relinquished by				Date/Time		Company		Received by		
Relinquished by				Date/Time		Company		Received by		
Custody Seals Intact: ☐ Yes ☐ No		Custody Seal No		Cooler Temperature(s) °C and Other Remarks		23 → 13				

Login Sample Receipt Checklist

Client: Stantec Consulting Corp.

Job Number: 500-211614-1

Login Number: 211614

List Source: Eurofins Chicago

List Number: 1

Creator: Hernandez, Stephanie

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.3
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	