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State of Wisconsin
Department of Natural Resources

PO Box 7921, Madison, WI 53707-7921
dnr.wi.gov

Off-Site Liability Exemption and Liability Clarification Application

Form 4400-201 (R 05/19)

Notice: Pursuant to ss. 292.13 and 292.55, Wis. Stats., this application must be completed to request a written determination from the Department of Natural Resources (DNR) for the off-site liability exemption or for the liability clarification regarding property affected by an off-site discharge. The Department will not consider, or act upon your application unless all sections are completed on this form and the required fee of $700, required under ch. NR 749, Wis. Adm. Code is included. Personal information collected will be used for administrative purposes and may be provided to requester's to the extent required by Wisconsin's Open Records law [ss. 19.31 - 19.39, Wis. Stats.]

Definitions:

"Off-Site Exemption" refers to a statutory limit on liability available to a person with respect to the existence of a hazardous substance in the groundwater or soil, including sediments, on Property possessed or controlled by the person, as provided in s. 292.13, Wis. Stats. The off-site exemption is available only to persons who possess or control the affected property, who meet the requirements and criteria in the statutes. DNR provides a written determination regarding liability upon submittal of this application and the required fee.

"General Liability Clarification" refers to a written determination by the Department, as provided in s. 292.55, Wis. Stats., that clarifies the environmental liability of a person, business or another party for a specific situation. General liability clarifications can be provided in situations when the party requesting the clarification does not meet one of the requirements for the off-site exemption at the time of the application submittal, for example, does not yet own the off-site property. This application form should be used to request a written liability clarification **for property affected by an off-site discharge.**

"Property" refers to the subject property that has been impacted by hazardous substances that migrated there from a different property containing the original contamination source. The subject property is often referred to as an "off-site" or "off-source" property.

"Possession or control" refers to holding title to the property or exercising possession or control over the property by some other means, such as a lease.

[NOTE: a person with an easement doesn't have possession or control over the property; the property owner just allows the person to use part of the property for a limited purpose].

Instructions:

- Use this application to request a written determination from the Department for the off-site liability exemption or for the liability clarification regarding **property affected by an off-site discharge**. See DNR's Fact Sheet: "When Contamination Crosses a Property Line - Rights and Responsibilities of Property Owners Off-Site Limited Liability Exemption" (RR-589) for general information on eligibility requirements, liability clarification letters related to the off-site liability exemption, and property owner responsibilities. Information and these publications are available by contacting a DNR office or on the Internet at: http://dnr.wi.gov/topic/Brownfields.
- Complete the application and include the information that adequately shows that the required criteria are met. See Section 7 on page 4.
- Include a $700 fee payment with this application, in accordance with ch. NR 749, Wis. Adm. Code.
- Send the completed application, fee, and supporting materials to the DNR regional office where the Property is located, as listed on page 6. Contact the person listed with any questions.
- Department staff will make every attempt to provide timely written determinations. However, the time required for the determination varies depending on the complexity of the site, and the clarity and completeness of the application and supporting documentation. **Do not use this application form to request liability clarifications for properties without off-site contamination.** Contact one of the DNR regional offices or see the DNR website on the Internet for more information.

1. Applicant information for person requesting the determination.

Applicant Last Name	First	MI
Newell Operating Company		

Address	City	State	ZIP Code
6655 Peachtree Dunwoody Road	Atlanta	GA	30328

Phone Number (include area code)	Fax Number (include area code)	E-Mail Address
(770) 418-7822		Kristin.Jones@newellco.com

Contact for questions (if different than applicant) Last Name	First	MI
Green	Hudson	

Address	City	State	ZIP Code
2404 Brown Street	Pottstown	PA	19464

Phone Number (include area code)	Fax Number (include area code)	E-Mail Address
(610) 323-4634		hgreen@patriotenviro.com

Applicant eligibility for off-site exemption or off-site liability clarification.

Request one determination based on whether the requirements for the off-site exemption are currently met. *See page 5 and sign the appropriate certification.*

☐ **Off-Site Discharge Exemption – I "possess or control" the Property and I believe I meet the criteria for an off-site exemption. I request an off-site exemption letter.**

☐ **I have completed Section 8a on page 5.**

As the applicant, I am:

◯ Current owner

◯ Other* Explain your relationship to the Property or the nature of your possession or control of the Property:

*Additional documentation may be requested by the DNR to verify the applicant's possession or control of the Property. For example, if a lessee requests a determination, DNR would need a copy of the lease by which to assess whether the lessee possesses or controls the Property.

☒ **Off-site Liability Clarification – I lack one or more of the requirements for the off-site exemption as shown below. I request a liability clarification letter that explains which conditions must be met in order to qualify for the off-site liability exemption.**

☒ **I have completed Section 8b on page 5.**

Requirements for the off-site exemption that are missing:

☐ 1. Currently I do not possess or control the Property and

◯ I plan to buy the Property on (Date) or

◯ I plan to lease the Property on (Date) .

☐ 2. Currently no contamination has been detected on the Property but there is credible evidence that contamination has migrated onto the Property.

☐ 3. Multiple contiguous properties are believed to be affected by contamination from a known source.

☒ 4. Other: Explain the circumstances here or in an attachment.
Former property owner and current responsible party

Information on additional parties.

Check the appropriate box to have a copy of the determination letter sent to one or more of these parties:

☒ **Environmental Consultant**		First		MI
Tarvin		Jeanne		
Address		City	State	ZIP Code
234 W. Florida Street, Fifth Floor		Milwaukee	WI	53204
Phone Number (include area code)	Fax Number (include area code)	E-Mail Address		
(262) 901-0085		jtarvin@ramboll.com		
☒ **Attorney / Other Last Name**		First		MI
Sawula		Andrew		
Address		City	State	ZIP Code
ArentFox Schiff LLP, One Westminster Place, Suite 200		Lake Forest	IL	60045
Phone Number (include area code)	Fax Number (include area code)	E-Mail Address		
(847) 295-4336		andrew.sawula@afslaw.com		

4. Information on Property affected by off-site discharge.

Property / Facility Name	County
Former Mirro Plant No. 20	Calumet

Address	City	State	ZIP Code
44 Walnut Street	Chilton	WI	

Public Land Survey Coordinates					Latitude			Longitude		
3/4 |1/4	1/4	Section	Range	Township	Datum (check only one):			Method	Accuracy	
NE	NW	18	20 ◉ E ○ W	18 N	◉ NAD27	○ NAD83	○ 1990 Adjustment			

(Attach a list of locations if this request is for multiple properties.)

☒ I request that DNR provide a copy of the Liability Clarification Letter to the current owner.

Current Owner (if different than applicant) Last Name	First	MI
Fraser Properties LLC (c/o Sean A. Fraser)		

Address	City	State	ZIP Code
398 Welhouse Drive	Kimberly	WI	54136

Phone Number (include area code)	Fax Number (include area code)	E-Mail Address
(920) 209-7497		fraserpropertiesllc@gmail.com

5. Information about contamination on the impacted Property.

A. Have hazardous substances been detected on the Property or Properties?

○ No. If not, explain why contamination is suspected on the Property or Properties in an attachment or here:

◉ Yes. Check all that apply: ☒ Groundwater ☐ Soil ☐ Sediment ☒ Other, describe: Sump Water, Soil Vapor, Sat. Soil

B. Has the presence of contamination been reported to any State or local governmental agency?

○ No.

◉ If yes, check all that apply: ☒ DNR — Date Reported: _____

☐ Division of Emergency Government

☐ Commerce

☐ Department of Agriculture, Trade and Consumer Protection (DATCP)

☐ Other, describe: _____

C. Is the source of the contamination known? Check only one.

○ No.

◉ Yes. If yes, what is the source of the contamination?

Larson Cleaners (PCE and PCE Breakdown Products) and Chilton Metal Products (1,2-DCA).

Provide the name and address of the owner of the contamination source or source property, if known.

Owner Name

See attached

Address	City	State	ZIP Code

○ Suspected. If suspected to be migrating from a nearby source, what is the source and its address?

Provide the name of the owner of the suspected contamination source or source property, if known.

Owner Name

Address	City	State	ZIP Code

6. Specific liability clarification questions relating to off-site contamination.

○ I have no additional liability clarification questions.

◉ I request a DNR response to the questions provided to clarify my liability for the cleanup of off-site contamination to be included in the written determination (questions should be provided here or in an attachment) :

7. Property information needed for the determination of off-site exemption or off-site liability clarification.

DNR requires adequate information in order to make the determination requested in this application. Incomplete or inadequate information will delay the completion of the determination. DNR has the authority to request additional information, if needed. Include the following information with the application, if appropriate:

1. Map(s) showing Property location(s) and any suspected or known off-site contaminant source properties.
2. For any environmental data submitted, include:
   a) Property map(s) showing sampling locations for all data submitted;
   b) Interpretation of data signed by a qualified environmental professional, including data tables and figures that include data;
   c) Soil boring logs;
   d) Groundwater monitoring well construction, development and sampling logs;
   e) Laboratory-provided data reports;
   f) Survey information for groundwater elevations;
   g) Chain of custody forms for all samples; and
   h) Description of sample collection methods.

The submitted materials should document that the statutory criteria are satisfied regarding the contamination and its source as listed in A through C below.

A. Document that there is hazardous substance contamination present in soil, groundwater and/or sediment on the Property or Properties. Examples of information include: Analytical results and interpretations for samples collected from soil, groundwater, and/or sediment on the Property, or at or near the Property line, that conclusively document the presence of a hazardous substance in one or more of these media on the Property. This information could be documented in a Phase II Environmental Assessment report, or could refer to existing reports in DNR files related to the source property.

B. Document that the hazardous substance contamination, which is present in soil, groundwater, and/or sediment on the Property or Properties, is migrating onto the Property or Properties from an off-site source.

   Examples of information include:
   1. Information identifying known or suspected discharges of the hazardous substance on neighboring property(ies), e.g., a Phase I Environmental Assessment report, information in existing reports in DNR files related to the source property.
   2. Soil, groundwater and/or sediment sample data and interpretations adequate to conclude that the hazardous substance is migrating onto the Property or Properties, such as:
      - Samples from monitoring wells located on the upgradient side of the Property or Properties (include information to establish upgradient direction), which show increasing contaminant concentrations toward the upgradient Property or Properties;
      - Off-site investigation results that provide information about groundwater flow direction and contaminant movement that convincingly document hazardous substances from a known or suspected off-site source have impacted the Property or Properties; or
      - A description of the event(s) that caused the deposit or accumulation of contaminated sediment on the affected Property or Properties and a map showing the location of the water body and elevations of the affected Property or Properties and water surface at normal flow and flood stage conditions.

C. Document that the discharge of a hazardous substance is not from a source on the Property or Properties.

   Examples of information include:
   1. Information related to historical activities, such as descriptions of chemicals used and handled, areas where chemicals were used and handled, and areas of potential discharges on the Property or Properties, e.g., a Phase I Environmental Assessment report.
   2. Where the types of hazardous substances used, handled, or discharged on the Property or Properties are the same as the hazardous substances migrating onto the Property or Properties, provide environmental information, e.g., expanded Phase II environmental assessment data, including type and volume of hazardous substances handled, generated or stored on the applicant's Property during the period of ownership and/or length of lease, and analytical results and interpretation for soil and groundwater samples collected from potential discharge areas to demonstrate that the contamination migrating onto the Property is separate and distinct from the contamination that may be on the Property.

Sign one of the certifications below based on whether the requirements of the off-site exemption are currently met.

8a. Certification if the applicant currently meets all the requirements for the off-site liability exemption.

Applicant Certification for a Determination for the Off-Site Discharge Exemption, as provided in s. 292.13, Wis. Stats.

I certify that I possess or control the Property and have read and am familiar with the information on this application. The information on and included with this application is true, accurate and complete to the best of my knowledge.

I understand that I retain the responsibility for any hazardous substance discharges that I caused or cause, and for any discharges whose source I possess or control on the Property or on other properties.

I believe that I meet the criteria in s. 292.13, Wis. Stats., with respect to the fact that I never controlled or possessed either the source property itself, or the hazardous substances that have migrated onto the Property from the source property, nor did I cause the hazardous substance discharge for which I am seeking this written exemption.

I understand that if I fail to satisfy the statutory requirements in s. 292.13, Wis. Stats., such as failing to provide access to the Property, the DNR has the authority to revoke the off-site exemption for the Property.

Applicant Last Name	First	MI

Signature	Date Signed

8b. Certification if applicant has not currently met all the conditions for the off-site exemption.

Applicant Certification for a Determination for Liability Clarification, as provided in s. 292.55, Wis. Stats.

I certify that I have read and am familiar with the information on this application and that the information on and included with this application is true, accurate and complete to the best of my knowledge.

I understand that I retain the responsibility for any hazardous substance discharges that I caused or cause, and for any discharges whose source I possess or control on the Property or Properties or on other properties.

It is my understanding that I have not met all the conditions for the off-site exemption at the time of this application, but I request a liability clarification determination that includes the conditions under which I or others would become eligible for the off-site discharge exemption for the Property or Properties, if I were to meet all the criteria under s. 292.13, Wis. Stats. I believe that I meet the criteria regarding the source of the contamination and the source property in s. 292.13, Wis. Stats., with respect to the fact that I never controlled or possessed either the source property itself, or the hazardous substances that have migrated onto the Property or Properties from the source property, nor did I cause the hazardous substance discharge for which I am seeking this written exemption.

I understand that if I meet the criteria in s. 292.13, Wis. Stats., and obtain the off-site liability exemption, but subsequently fail to satisfy the statutory requirements in s. 292.13, Wis. Stats., such as failing to provide access to the Property, the DNR has the authority to revoke the off-site exemption for the Property.

Applicant Last Name	First	MI
Jones	Kristin	

Signature	Date Signed
Kristin H. Jones	7/14/2022

DNR contacts and addresses for application submittals.

Send or deliver the completed request, supporting materials, and fee to the region where the property is located.
Contact a DNR Regional Brownfield Specialist with any questions about this form or a specific situation involving a contaminated property

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

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

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

DNR SOUTHEAST REGION
Attn: RR Program Assistant
Department of Natural Resources
2300 North Martin Luther King Drive
Milwaukee WI 53212

DNR WEST CENTRAL REGION
Attn: RR Program Assistant
Department of Natural Resources
1300 W Clairemont Avenue
Eau Claire WI 54702

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

For DNR Office Use Only			
Date Received	BRRTS Activity Name		BRRTS Activity Code
Date Assigned	DNR Reviewer		BRRTS FID No. (if used)
Comments			Fee Enclosed Yes No
Date Approved	Date Additional Information Requested	Date Withdrawn	Date Denied

OFF-SITE LIABILITY CLARIFICATION REQUEST

MIRRO PLANT NO. 20 (FORMER)
44 WALNUT STREET
CHILTON, WISCONSIN

BRRTS NO. 06-08-426946 (VPLE)
BRRTS NO. 02-08-520157(ERP)
FID NO. 408021130

Intended for:
Wisconsin Department of Natural Resources
Oshkosh, Wisconsin

Prepared for:
Newell Operating Company

Prepared by:
Ramboll US Consulting, Inc.
Milwaukee, Wisconsin

Date:
July 15, 2022

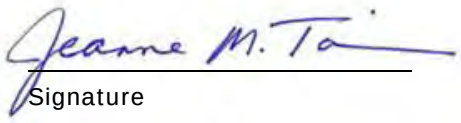
Project Number:
1690019558

RAMBOLL

ENVIRONMENT
& HEALTH

CERTIFICATION

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



Signature

July 15, 2022

Date

Title: E&H Americas Country Market Director

License Number 307-13

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Appendix B: Larson Cleaners – Laboratory Analytical Report (September 2021)

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1. INTRODUCTION AND PURPOSE

Ramboll US Consulting, Inc. (Ramboll), on behalf of Newell Operating Company (NOC), is submitting this Off-Site Liability Clarification Request related to tetrachloroethene (PCE) and PCE breakdown products, and 1,2-dichloroethane (1,2-DCA) impacts identified on the former Mirro Plant No. 20 facility located at 44 Walnut Street in Chilton, Wisconsin (the "Property" or "Site"). As the former property owner and current Responsible Party for the open Bureau for Remediation and Redevelopment Tracking System (BRRTS) case (BRRTS No. 02-08-520157), NOC is seeking a written determination from Wisconsin Department of Natural Resources (WDNR), in the form of a General Liability Clarification, that groundwater, saturated soil, sump water and soil vapor impacts related to PCE and PCE breakdown products, and 1,2-DCA detected on the Site, are from off-site sources, and that, consequently, NOC has no liability to further investigate or remediate groundwater, saturated soil, sump water or soil vapor contamination on the Property related to PCE and PCE breakdown products, and 1,2-DCA. Please note that NOC is requesting a General Liability Clarification rather than an Off-Site Exemption because it is not the current property owner.

The information provided herein documents the following conditions to support the liability clarification request:

- Hazardous substance contamination (PCE and PCE breakdown products, and 1,2-DCA) is present on the Property.
- The identified hazardous substances on-site (PCE and PCE breakdown products, and 1,2-DCA) are not from a current or historic source on the Property.
- Hazardous substance groundwater contamination containing PCE and PCE breakdown products and 1,2-DCA is migrating onto the Property from documented off-site sources.

It continues to be NOC's objective to work towards securing a Certificate of Completion under the Voluntary Party Liability Exemption (VPLE) program that the project is currently operating under (BRRTS No. 06-08-426946) for soil and groundwater impacts related to their former operations.

1.1 Site Location

The Site is located at 44 Walnut Street in the City of Chilton, Calumet County, Wisconsin (Figure 1). The Property consists of two tax parcels (16631 and 16951) and is a combined 3.93 acres. The Site is located in the NE ¼ of the NW ¼ of Section 18, T18N, R20E and is immediately bordered to the west and north by the South Branch of the Manitowoc River (Manitowoc River), east by the Kaytee Products facility (400 E. Main Street), and south by an active railroad corridor. The WTM91 coordinates obtained from the WDNR RR Sites Map are as follows: X Coordinate (WTM91) 667956 and Y Coordinate (WTM91) 397338. The surrounding properties are a mixture of commercial and industrial properties. Two agricultural properties are located immediately north across the Manitowoc River.

1.2 Site Description

The Site consists of a two-story industrial building with a basement in the northern portion of the building and slab on grade construction for the remainder of the building footprint. The building includes several additions, with paved parking and drive areas immediately north and east of the building. The balance of the Site to the north and northeast of the building is tree lined with open greenspace. During site redevelopment activities in the 1950s and 1960s, the meandering river was rerouted to its current location. The topography of the Site and surrounding properties is relatively flat, with a gentle slope to the west/northwest towards the Manitowoc River. The current site layout is

illustrated on Figure 2. The Site is served by municipal water and sanitary sewer services provided by the City of Chilton.

The Site is located in a general industrial (I-2) zoning district within the City of Chilton. Neighboring properties to the south and east are zoned industrial while properties to the north and west (across the Manitowoc River) are located within the Rural Character District (R-C). Current and former BRRTS cases in the general vicinity of the Site are illustrated on Figure 3.

1.3 Involved Parties

Responsible Party (RP):	Newell Operating Company 6655 Peachtree Dunwoody Road Atlanta, GA 30328 Contact: Kristin Jones, (770) 418-7822, Kristin.Jones@newellco.com
RP Representative:	Patriot Environmental Management, LLC 2404 Brown Street Pottstown, PA 19464 Contact: Hudson Green, Jr., (610) 323-4634, hgreen@patriotenviro.com
Consultant:	Ramboll US Consulting, Inc. 234 W. Florida Street, Fifth Floor Milwaukee, WI 53204 Contact: Jeanne Tarvin, (262) 901-0085, jtarvin@ramboll.com
Agency:	Wisconsin Department of Natural Resources 625 East County Y, Suite 700 Oshkosh, WI 54901-9731 Contact: Kevin McKnight, (920) 808-0170, kevin.mcknight@wisconsin.gov

1.4 Site Development and Ownership History

Manufacturing operations at the Site started in the 1920s. Historic manufacturing activities at the Property consisted of production of aluminum, stainless steel, and steel cookware and bakeware products, with significant facility expansion/development occurring through the late 1950s. During this time, the former river channel was relocated to its current configuration. Due to the proximity of the Manitowoc River, a basement drainage system was installed during development and includes approximately 500 feet of shallow conveyance trenches which allow infiltrating groundwater to flow to three sumps (known as Large Sump, West Sump, and East Sump). The East Sump is primarily used to dewater the freight elevator shaft. Water from the East Sump is pumped via overhead piping to the Large Sump where the combined flow is discharged to the Manitowoc River. Manufacturing operations at the Site ended in 2001.

The Site was sold by NOC to Floor Space Development, LLC (Floor Space) in 2002. Sometime after the sale, concrete floor modifications by Floor Space were made to the basement drainage system including but possibly not limited to the addition of shallow saw-cuts to allow for water conveyance. Floor Space subsequently sold the Property to Fraser Properties, LLC on January 31, 2022. The site is currently occupied by multiple tenants that use the warehouse space for product storage and by a machine shop that operates in the southeast portion of the building (first floor). The basement of the building is typically vacant, although it is reportedly used for additional storage when space is needed. The general site layout and pertinent site features are shown on Figure 2.

2. SITE INVESTIGATION AND REMEDIATION HISTORY

2.1 Site Investigation and Remediation History

Subsurface site investigation and remediation activities have been conducted on behalf of NOC in various phases beginning in 2002. In more recent years, site investigation work has also been performed on site or immediately adjacent to the Site by other interested parties. The following sections summarize the primary site investigation and remediation activities conducted to date at the Site both on behalf of NOC and by others. Site investigation activities conducted by others associated with two nearby open BRRTs cases that are considered relative to this request for Off-Site Liability Clarification are also discussed.

2.1.1 NOC Directed Activities

The Site has been enrolled in the VPLE program since 2003, with direct oversight being provided by the WDNR as the work progressed. The following summarizes the NOC directed site investigation and remediation work.

2002 TEMCO Phase II Site Investigation

A Phase II Environmental Site Assessment (ESA) was conducted by The Environmental Management Company LLC (TEMCO), on behalf of Newell Rubbermaid Inc., NOC's parent company, to address areas of concern identified in an earlier Phase I Report. The 2002 activities included the advancement of 12 hydraulic probes (SB-1 through SB-12) to depths between 8 to 12 feet to facilitate the collection of soil samples. The results of the investigation were documented in the *Phase II Environmental Site Assessment Report* (TEMCO, August 2002). TEMCO boring locations are shown on Figure 4.

2002 TEMCO Additional Field Investigation

In September 2002, TEMCO installed four groundwater monitoring wells (MW-1 through MW-4). Groundwater samples were collected from the monitoring wells in November 2002. Ramboll has been unable to secure a copy of the TEMCO report that documents these activities. TEMCO monitoring well locations are shown on Figure 4, based on information included in subsequent reports.

2006 SEH Site Investigation

In 2006, Short Elliott Hendrickson Inc. (SEH) conducted site investigation activities to define the magnitude and extent of impacts identified by TEMCO as described in their August 2005 Site Investigation Work Plan. The 2006 field activities included the installation of five groundwater monitoring wells (MW-5 through MW-9) and one piezometer (PZ-5) in February 2006. Four soil borings (B-1 through B-4) were advanced outside the building and ten borings (B-5, B-5A, and B-6 through B-13) advanced through the basement floor from within the building. Six of the interior borings (B-5, B-5A, B-6, B-9, B-11, and B-12) were completed as shallow groundwater monitoring points. Groundwater samples were collected from the 16 monitoring locations in February 2006 and May 2006. In addition, SEH collected water samples from the existing basement sumps (three) and evaluated the basement subfloor drainage system used to manage groundwater infiltration into the basement. The results of the investigation were documented in the *Site Investigation Report (*SEH, August 2006). SEH sampling locations are shown on Figure 4.

2006 SEH Additional Groundwater Monitoring

Two additional groundwater sampling events were conducted by SEH in August 2006 and November 2006. The results of the sampling were incorporated into the *Additional Site Investigation Report* (SEH, September 2008).

2008 SEH Additional Site Investigation

Based on WDNR's feedback, SEH conducted additional site investigation activities at the Site to address remaining concerns. The additional investigation included the installation of one downgradient monitoring well nest (MW-10/PZ-10) and the installation of an upgradient piezometer (PZ-9). Eleven soil samples labeled with distances and cardinal directions from either SB-4 or MW-3 (e.g., 10'S + 5'E of MW-3) were collected on the western portion of the Site to evaluate previously identified arsenic impacts and two samples (Transformer Pad) were collected adjacent to a transformer pad to assess the potential for polychlorinated biphenyl (PCB) impacts. Groundwater samples were collected in February 2008 and May 2008. The results of the 2008 activities were documented in the *Additional Site Investigation Report* (SEH, September 2008).

2010 SEH Arsenic Excavation

In September 2010, SEH oversaw two targeted soil excavations on the western portion of the Site near former boring SB-4 and MW-3 where elevated arsenic impacts were detected. Prior to the excavation work, monitoring well MW-3 was abandoned. A total of 59.75 tons of arsenic impacted soil was excavated and disposed off site at a Subtitle D landfill. The soil excavation activities were documented in the *Third Stage Site Investigation Report* (SEH, January 2011). The approximate locations of the soil excavation areas are included on Figure 4.

2011 SEH Additional Groundwater Monitoring

Groundwater samples were collected in October 2011 and November 2011 from select existing monitoring points. The groundwater monitoring results were documented in the *Third Stage Site Investigation Report* (SEH, July 2013).

2013 SEH Supplemental Site Investigation

Supplemental site investigation activities were conducted in 2013 in response to WDNR case closure denials in June 2011 and January 2012. The investigation activities included assessment of the lateral extent of the clay layer, the installation of PZ-8 in February 2013, performance of hydraulic conductivity testing, and collection of groundwater samples from select existing monitoring points in February/March 2013. The 2013 site investigation activities were documented in the *Supplemental Site Investigation Report* (SEH, July 2013).

2018 SEH Emerging Contaminant Sampling

At the request of the WDNR, groundwater samples were collected from five existing monitoring wells (MW-2, MW-5, PZ-5, MW-10, and PZ-10) in August 2018 for analysis of perfluorooctanoic acid (PFOA) and PFOS compounds. The sampling results were documented in the *PFOA and PFOS Groundwater Analytical Results* letter report (SEH, September 2018) submitted to the WDNR on September 19, 2018.

2021 and 2022 Ramboll Site Investigation Activities

Ramboll was retained by NOC to conduct additional investigation activities to further define the nature and extent of impacts previously identified by others and to address the specific items outlined in WDNR's October 7, 2020 letter *Site Investigation Review for VPLE – Not Approved.* The scope of the additional investigation activities was outlined in Ramboll's March 2021 *NR 716 Site Investigation Work Plan* (Ramboll, 2021) which was subsequently approved by WDNR on May 3, 2021. The activities conducted by Ramboll on NOC's behalf included the following:

- Retained a licensed land surveyor to determine the property boundaries based on the legal description provided on the Property's deed obtained from the Calumet County Register of Deeds.

The survey work was completed in December 2020 and a copy of the certified survey map was previously provided to the WDNR with the *NR 716 Site Investigation Work Plan*. The property boundaries were confirmed to be consistent with how they were previously portrayed on figures prepared by SEH. The property boundaries shown on the Calumet County GIS site, and subsequently shown on figures included in (Stantec Inc.) Stantec's August 11, 2020 *Focused Phase II Environmental Assessment* report are inconsistent with the boundaries described on the Property's deed.

- Collection and analysis of basement sump water samples (per and polyfluorinated alkyl substances [PFAS], polycyclic aromatic hydrocarbons [PAHs], volatile organic compounds [VOCs], Resource Conservation and Recovery Act [RCRA] metals), sump vapor samples (target VOCs), and trench solid samples (PFAS, PAHs, VOCs, RCRA metals) in July 2021. The results were provided to the WDNR in a Wisconsin Administrative Code (WAC) NR 716.14 data transmittal on August 16, 2021.
- Performance of a baseline groundwater sampling event in August 2021. The scope of work included the collection of groundwater samples from the existing on- and off-site monitoring wells and piezometers along with the basement monitoring points associated with NOC's prior investigation activities, and the two piezometers installed on behalf of the WDNR in 2015 (OMPZ3 and OMPZ4). All groundwater samples were analyzed for VOCs, PFAS, and RCRA metals. In addition, the groundwater sample collected from basement monitoring point B-9 was also analyzed for PCBs. The results were provided to the WDNR in a WAC NR 716.14 data transmittal on September 3, 2021.
- Collection of basement indoor air (IA-B-1, IA-B-2, and IA-B-3) and first floor slab on grade sub-slab vapor (VP-1 through VP-4) samples on August 13, 2021, in accordance with the scope of work provided to the WDNR in an August 4, 2021 e-mail. Vapor samples were submitted for target VOC analysis. The results were included in the previously referenced WAC NR 716.14 data transmittal letter submitted to the WDNR on September 3, 2021. Following review of the results, the WDNR requested performance of a winter (or "heating season") event. A work plan for the winter event was provided to the WDNR in a September 14, 2021 e-mail and the sampling was completed on March 25, 2022. The results were provided to the WDNR in a WAC NR 716.14 data transmittal on April 20, 2022.
- Abandonment of historically damaged monitoring wells MW-4, MW-6, and MW-7 on September 21, 2021.
- Collection of soil samples during the on-site soil boring (SB-100 through SB-108) and monitoring well (MW-11, MW-12/PZ-12, MW-13/PZ-13, and MW-14/PZ-14) installation activities completed on September 20 and 21, 2021. Sampling was performed in accordance with the approved *Site Investigation Work Plan* and included the analysis of VOCs, PAHs, and/or RCRA metals. Well nest MW-14/PZ-14 was not originally included in the Site Investigation Work Plan but was later added to help gather additional information regarding vertical and horizontal migration of groundwater impacts onto the Property from off-site sources. The soil sample analytical results were provided to the WDNR in a WAC NR 716.14 data transmittal on October 12, 2021.
- Performance of a comprehensive groundwater sampling event on October 13 and 14, 2021. The scope of work included the collection of groundwater samples from the new and existing on-and off-site monitoring wells/piezometers and basement monitoring points associated with NOC's investigation activities, and the two off-site wells installed on behalf of the WDNR in 2015 (OMPZ3 and OMPZ4). The groundwater samples were analyzed for VOCs, PFAS, PAHs, and/or RCRA metals depending on sampling locations and prior analytical results. The groundwater sample analytical results were provided to the WDNR in a WAC NR 716.14 data transmittal on November 18, 2021.

The additional site investigation activities completed by Ramboll will be formally documented in the WAC NR 716 Site Investigation Report when the site investigation activities are substantially complete. Where appropriate, these results are further discussed as part of this Off-Site Liability Clarification Request.

2.1.2 Site Investigation Activities by Others on Site

A focused Phase I and II ESA was performed by Stantec at the Site in the middle of 2020 on behalf of a prospective purchaser using United States Environmental Protection Agency (USEPA) funds obtained through the Calumet County Community-Wide Assessment Grant program. The primary objective of the Phase II ESA was to evaluate the recognized environmental conditions (REC) and data gaps outlined in a recent Phase I ESA (Stantec, May 2020). The Phase II ESA activities included the collection of four surficial soil samples (PP-1 through PP-4) from a vegetated area north-northeast of the existing site building which were submitted for analysis of VOCs and RCRA metals, including mercury. Groundwater samples were collected from three existing monitoring wells (MW-2, MW-8, and MW-9), an existing piezometer (PZ-9), and six groundwater monitoring points located in the basement (B-5, B-5A, B-6, B-9, B-11, and B-12). All groundwater samples were submitted for VOC analysis. Select groundwater samples (B-5, B-9, MW-2, MW-8, and PZ-9) were collected for PFAS analysis (Wisconsin 36-compound list).

In addition, Stantec evaluated the existing basement water conveyance/sump system (Large, East, and West Sumps) and four outfalls (North, South, Roof Drain 1, and Roof Drain 2) identified along the Manitowoc River. A water sample collected from each sump was submitted for dissolved RCRA metals, PAHs, VOCs, and PFAS. Six samples (SS-1 though SS-6) were also collected of the solids observed on the basement floor and within the floor trenches. The solids samples were submitted for analysis of SVOCs and RCRA metals. The results are documented in the *Focused Phase II Environmental Site Assessment* report (Stantec, August 2020).

2.1.3 Site Investigation Activities on Nearby Open BRRTS Sites

The following sections summarize the site investigation activities conducted by others associated with two nearby open BRRTs cases that are considered relative to this request for Off-Site Liability Clarification. The two BRRTs sites of interest include the former Larson Cleaners (Larson Cleaners) (317 E. Main Street, BRRTS No. 02-08-221491) and former Chilton Metal Products (Chilton Metal) (300 E. Breed Street, BRRTS No. 02-08-561133). The locations of these two BRRTS sites are illustrated on Figure 1 and Figure 3.

2.1.3.1 Larson Cleaners (BRRTS No. 02-08-221491)

Larson Cleaners (317 E. Main Street) is located approximately 300 feet south (upgradient) of the Site. Significant chlorinated volatile organic compounds (CVOC) impacts have been detected in soil, groundwater (shallow and deep), and in vapor beneath the former dry cleaner property.

Based on available information, a dry cleaner operated at this location from the 1940s through 1994. The Site was then vacant until the late 1990s when the property was sold and used as drop-off location for dry cleaning completed at a different location. CVOCs were initially discovered in soil and groundwater during a preliminary Phase II ESA initiated in April 1999. A notification of hazardous substance discharge was submitted to the WDNR in June 1999 and a responsible party notification letter was subsequently issued to the property owner. Site investigation activities were first initiated in 2007 when the City of Chilton received a Site Assessment Grant (SAG) from the WDNR. The City's investigation (performed by TEMCO) further documented the presence of high concentrations of CVOCs in soil, in particular tetrachloroethene (PCE) and trichloroethene (TCE), with the highest CVOC

concentration in soil being PCE (4,100 milligrams per kilogram [mg/kg]) at boring location LCMW-2. Groundwater contamination was also identified in samples collected both on- and off-site extending to the north and northeast toward the Site. Piezometer wells installed during the investigation documented that CVOCs also migrated vertically in the unconsolidated material. The results of the City's investigation are documented in TEMCO's April 2010 *Site Investigation* report.

OMNNI Associates (OMNNI), on behalf of the WDNR, performed a study of groundwater conditions across the broader East Main Street area of Chilton to evaluate known CVOC impacts in the area. The initial phase of the study included the collection of baseline groundwater samples in November 2013 from five WDNR installed bedrock wells along with existing groundwater monitoring wells associated with open BRRTS cases located within the study area, including but not limited to several Larson Cleaners site-related wells and two of the existing Site piezometers (PZ-5 and PZ-9). Based on the data collected, the primary source of chlorinated solvent impacts was determined to be Larson Cleaners. In December 2014, OMNNI installed a series of piezometers in the East Main Street study area including two deep piezometers near existing Site well nests (MW-9/PZ-9 and east of MW-5/ PZ-5). These wells are referred in the OMNNI documents as MIPZ10/OMPZ3 and MIPZ11/OMPZ4. To avoid confusion with the Site monitoring well network naming, these wells are shown on Figure 2 as OMPZ-3 and OMPZ-4. The results of the WDNR directed activities are documented in the *Groundwater Investigation for Chlorinated Solvent Contamination* (OMNNI, November 2015). Select figures from the OMNNI report are provided in Appendix A.

In September 2021, the WDNR collected additional groundwater samples from select shallow monitoring wells associated with the Larson Cleaners site as part of a USEPA Superfund Site Assessment. The groundwater samples were only analyzed for VOCs. It is Ramboll's understanding that the USEPA approved site investigation report documenting the sampling will not be approved for public release until Spring 2022. In the interim, the WDNR provided Ramboll with a copy of the validated sample results for review and incorporation into this Off-Site Liability Exemption Request. A copy of the provided laboratory analytical report is included as Appendix B.

2.1.3.2 Chilton Metal (BRRTS Nos. 02-08-561133 and 03-08-000802)

The Chilton Metal facility is an active manufacturing site located approximately 3,000 feet north/northwest of the Property. Multiple environmental investigations have been completed at the Chilton Metal site with significant VOC impacts detected in soil and groundwater (shallow and deep) beneath the site. The Chilton Metal site has two WDNR BRRTS numbers associated with the property: 02-08-561133 and 03-08-000802. Long-term groundwater monitoring has been completed since 2000. Based on annual groundwater sampling activities, the primary compounds of concern originating from the Chilton Metal site and migrating off-site with groundwater flow are VOCs (including benzene, TCE, and 1,2-dichloroethane [1,2-DCA]). Groundwater flow in the unconsolidated material (shallow) and bedrock (deep) north of the Manitowoc River is generally south-southeast toward the Property. A comprehensive review of the Chilton Metal groundwater plumes was completed by the WDNR in January 2015 titled *Draft Technical Memorandum: TCE and Petroleum-Related Groundwater Plumes* (WDNR, 2015). This review focused on evaluation of historic investigation data to develop a conceptual site model (CSM) for the CVOCs and petroleum VOCs. As identified by the WDNR review, impacted groundwater has migrated off-site to the south/southeast through the unconsolidated material and a bedrock fracture zone. The environmental consultant for the Chilton Metal site (Foth Infrastructure & Environment, LLC [Foth]) completes annual groundwater monitoring sampling events. Select tables and figures from the WDNR draft technical memo and 2020 Groundwater Monitoring Update (Foth, 2021) are included as Appendix C.

2.2 Area Wide Topography and Hydrogeology

Surface topography in the area is generally undulating with general surface water flow ultimately flowing to the Manitowoc River (Figure 1). Chilton Metal surface elevation near the source area is approximately 880 feet above mean sea level (ft-amsl). Larson Cleaners surface elevation near the source area is approximately 853 ft-amsl. The surface elevation of the Property near the Manitowoc River is approximately 848 ft-amsl. The surface water elevation of the Manitowoc River at the Property is approximately 843 ft-amsl.

Based on review of historic data for Chilton Metal, Larson Cleaners, and the Property, comprehensive groundwater measurements were collected in March 2009 during separate groundwater monitoring sampling events by their respective environmental consultant. This data was used to create a March 2009 shallow potentiometric surface map of the area (Figure 5). Overall shallow groundwater flow in the area moves towards the central and northeastern portion of the Property with groundwater flowing toward the Manitowoc River. Groundwater elevation measurements collected during the 2021 sampling events are provided on Table 1.

The Manitowoc River at the Site was rerouted prior to building expansion in the 1950s. The Manitowoc River route prior to site redevelopment was documented in historic Sanborn maps and orthophotography from Calumet County. This information was compiled by Stantec during the 2020 Phase I and II ESA (Appendix D). The pre-1950s Manitowoc River route was located where the northeastern portion of the current building is situated. On-Site monitoring wells (both abandoned and existing monitoring wells) located near or potentially in the former river channel are MW-3, MW-4, MW-5/PZ-5, MW-6, MW-7, and MW-8/PZ-8. Monitoring wells MW-10/PZ-10, MW-11, MW-12/PZ-12 are currently located north/northeast of the pre-1950s Manitowoc River route.

Area wide vertical gradients are generally downward in the upland nested monitoring wells (Chilton Metal [CMS-20/CMS-24] and Larson Cleaners [LCMW-04/LCPZ-01 and LCMW-10/LCPZ-04]) and immediately off-Site to the south [MW-9/PZ-9]) and upward near the Manitowoc River (CMS-27A/B and CMS-29A/B and MW-5/PZ-5, MW-8/PZ-8, MW-10/PZ-10, and MW-12/PZ-12). Vertical gradients from on-Site monitoring well nests are summarized on Table 2. Larson Cleaners and Chilton Metal vertical gradients are summarized and provided in Appendix E.

2.3 Site Investigation Findings

Based on a comprehensive review of the site investigation activities conducted to date at the Site and nearby open BRRTS cases, Ramboll and NOC conclude that some compounds detected in groundwater, saturated soil, sump water, and soil vapor at the Site are the result of the migration of contaminants in groundwater from off-site discharge sources onto the Property. The specific contaminants and potential off-site sources include:

- PCE and PCE breakdown products (Larson Cleaners; 317 E. Main Street, BRRTS No. 02-08-221491); and
- 1,2-DCA (Chilton Metal; 300 E. Breed Street, BRRTS Nos. 02-08-561133 and 03-08-000802).

The remainder of this document presents various lines of evidence that support our position that the saturated soil, groundwater, sump water and soil vapor impacts detected on site associated with the above compounds are from the migration of impacted groundwater from off-site sources onto the Property.

3. PCE AND PCE BREAKDOWN PRODUCTS

3.1 Background

Based on the results of the site investigation activities conducted to date, it was determined that the source of CVOC impacts detected on site, specifically PCE and PCE breakdown products, are the result of impacted groundwater migrating onto the Property from an off-site upgradient source (Larson Cleaners; 317 E. Main Street, BRRTS No. 02-08-221491) located approximately 300 feet upgradient (south) of the Site. Primary PCE degradation by-products (breakdown products) include TCE, cis-1,2-dichloroethene (cDCE), and vinyl chloride (VC). Less common intermediate PCE breakdown products include trans-1,2-dichloroethene (tDCE) and 1,1-dichloroethene (1,1-DCE). To date, PCE and PCE breakdown products have been documented in groundwater, saturated soil, sump water, and soil vapor on the Site.

SEH documented their findings regarding this off-site source in several regulatory submittals including the 2019 *Comprehensive Site Investigation Report* (SEH, 2019). As previously described in Section 2.1.1, additional site investigation activities were performed by Ramboll in 2021 to address WDNR comments and to further substantiate the lines of evidence previously presented to the WDNR. The data collected to date documents that the Property is being impacted by an off-site source (Larson Cleaners) as evidenced by the following:

1. The Larson Cleaners site is a confirmed area wide source of CVOC impacts to groundwater. Investigation activities conducted by the WDNR document that PCE and PCE breakdown product impacts are migrating in groundwater to the north/northeast from the Larson Cleaners site onto the Property.
2. The highest concentration of PCE and PCE breakdown products in groundwater samples collected from the Property monitoring well network have been consistently observed in off-site upgradient deep well PZ-9 located approximately 25 feet from the property boundary and approximately 300 feet downgradient of the Larson Cleaners site. Elevated concentrations of PCE and PCE breakdown products were also documented in recently installed on-site upgradient property boundary well MW-13 also located downgradient of the Larson Cleaners site.
3. The concentration of PCE and PCE breakdown products are several orders of magnitude higher on the Larson Cleaners site compared to those observed on the Site. Additionally, these high concentrations were observed in the upgradient Larson Cleaners well network prior to being observed at the Site.
4. PCE and PCE breakdown product impacts have had sufficient time to migrate via groundwater from the Larson Cleaners site to the Site to adversely impact shallow and deep groundwater and discharge to the sump water. The pattern of distribution of the contaminant plumes clearly shows CVOC contaminant transport from the Larson Cleaners site to the Property. Vertical hydraulic gradients support that CVOC contaminant transport follows groundwater flow which is downward at the Larson Cleaners site (a regional groundwater recharge area) to upward on the Property near the Manitowoc River (a regional groundwater discharge area).
5. Impacts in groundwater at or immediately upgradient of the property boundary (PZ-9, MW-13/PZ-13, and MW-14/PZ-14) are not from a surface source on or immediately adjacent to the Property based on soil sample analytical results.
6. The limited isolated detections of PCE and PCE breakdown products in select soil samples collected at the Site are representative of saturated soil conditions based on the depth of collection and the depth to the soil/groundwater interface and are not indicative of an on-site release of CVOCs.

7. Current operations at the Property are not contributing to the identified PCE and PCE breakdown product impacts based on a review of site operations and chemical use.

Section 3.2 provides a summary of the additional investigation activities completed to further substantiate NOC's position that the PCE and PCE breakdown product impacts identified on-site are associated with an off-site/ upgradient discharge source (Larson Cleaners).

3.2 Summary of Additional Investigation Activities

The following investigation activities were performed by Ramboll in 2021 to provide additional data to further support the off-site source determination specifically relating to identified CVOCs, including PCE and PCE breakdown products, impacts observed on site:

- Basement drainage system assessment activities were performed in July 2021, which included the evaluation of VOCs concentrations in sump water and sump vapor from the three basement sumps (East Sump, Large Sump, and West Sump) at the locations shown on Figure 2. The assessment also included the collection of four solids samples present in the basement floor drainage system. The solids samples were collected from the trench prior to each sump (Pre-East Sump, Pre-Large Sump, and Pre-West Sump) and along the eastern portion of the trench system (TS-01) at the locations shown on Figure 6. The results documented detectable concentrations of PCE and/or PCE breakdown products in the sump water and vapor, but not in the sump solids samples. The associated analytical results are provided in Table 3 (Sump Water), Table 4 (Sump Vapor), and Table 5 (Basement Trench Solids). Laboratory analytical reports are included in Appendix F.
- Basement indoor air (IA-B-1, IA-B-2, and IA-B-3) and first floor slab on grade sub-slab vapor (VP-1 through VP-4) samples were collected in August 2021 ("cooling" season) and March 2022 ("heating" season) to assess the potential for vapor intrusion based on the CVOC concentrations observed in the sump vapor samples. Vapor sampling locations are provided on Figure 7A (Basement) and Figure 7B (First Floor). While VOCs, including PCE and PCE breakdown products, were detected in the sub-slab and/or indoor samples during each sampling event, all detected concentrations were below the associated WDNR criteria. The results are presented on Table 6 and the laboratory analytical report for each sampling event is included in Appendix F.
- A baseline groundwater sampling event was conducted in August 2021 which included water elevation measurements and sample collection from the existing on-site and off-site monitoring wells (twelve monitoring locations and four piezometers) associated with NOC's prior investigation activities, and the two wells installed on behalf of the WDNR in 2015 (OMPZ-3 and OMPZ-4). The purpose of the baseline groundwater sampling event was to confirm groundwater flow, vertical gradients, and contaminant distribution across the site. The results of the August 2021 sampling event confirmed prior detections of CVOCs, with the highest concentrations being in off-site, upgradient well PZ-9. Groundwater sample analytical results are presented on Table 7. Copies of the associated laboratory analytical report are included in Appendix F.
- Four soil borings (SB-101, SB-102, SB-103, and SB-104) were advanced adjacent to and around existing well nest MW-10/PZ-10 at the locations shown on Figure 4. The purpose of these borings was to verify and/or delineate the prior reported detection of TCE in soil sample PZ-10 (2 to 4 feet bgs, 2,600 µg/kg) in 2008. One soil sample was collected from each boring location at similar depth intervals (1.5 to 3.5 feet bgs or 2 to 4 feet bgs intervals) and submitted for laboratory analysis of VOCs using USEPA Method 8260. No VOCs were detected in the four soil samples collected near the MW-10/PZ-10 well nest, including the sample collected from boring SB-102, which was advanced within approximately 3.5 feet of the prior sample location. Soil sample

analytical results are presented on Table 8. Copies of the associated laboratory analytical report and soil boring logs are included in Appendix F and Appendix G, respectively.

- Two additional monitoring well nests (MW-13/PZ-13 and MW-14/PZ-14) were installed at the southern/southeastern property boundary at the locations shown on Figure 2. The purpose of these monitoring well nests was to document groundwater quality at the hydrogeologically upgradient property boundary. Unsaturated soil samples were also collected from each well nest location (PZ-13, 2 to 4 feet bgs and PZ-14, 2 to 4 feet bgs and 5 to 6 feet bgs) and submitted for laboratory analysis of VOCs using USEPA Method 8260. No VOCs were detected in the soil samples at either well nest location. Groundwater samples collected in October 2021 as part of the comprehensive groundwater sampling event documented the presence of CVOCs, specifically PCE, TCE and/or cDCE, at concentrations above the WAC NR 140 criteria at each upgradient property boundary well nest location. Groundwater and soil sample analytical results are presented in Table 7 and Table 8, respectively. Copies of the associated laboratory analytical reports and soil boring logs/monitoring well construction forms are included in Appendix F and Appendix G, respectively.

Groundwater elevation measurements and vertical gradient calculations associated with the Ramboll additional site investigation activities are summarized on Table 1 and Table 2, respectively. Groundwater potentiometric flow maps including vertical gradient direction arrows for the shallow and deep well networks from the August 2021 and October 2021 measurement events are illustrated on Figures 8A/8B and Figures 9A/9B. As indicated groundwater flow in shallow groundwater is to the north, consistent with prior investigation work. Similarly, the deep groundwater flow continues to be to the north-northeast.

The vertical gradients calculations document a downward direction in off-site upgradient well pair MW-9/PZ-9, transitioning to an upward direction in on-site upgradient well pairs MW-13/PZ-13 and MW-14/PZ-14. On-site well pairs MW-5/PZ-5, MW8/PZ-8, MW-10/PZ-10, and MW-12/PZ-12 also demonstrated an upward gradient extending to the Manitowoc River.

The magnitude and extent of PCE and TCE groundwater impacts in the shallow and deep groundwater monitoring well network, as determined based on the 2021 groundwater sampling results, are illustrated on Figure 10A and Figure 10B, respectively.

The groundwater flow direction, vertical gradient calculations and groundwater contaminant distribution gathered during the additional site investigation activities performed in 2021 confirm the prior determination that CVOC-impacted groundwater, specifically PCE and PCE breakdown products, is migrating on to the Site from the Larson Cleaners site. The impacted groundwater from the Larson Cleaners site is then entering the basement drainage and sump system as evidenced by the documented presence of PCE and PCE breakdown products in sump water samples collected from the East Sump and Large Sump (Table 3). PCE and associated breakdown products were also detected in sump vapor (Table 4) and in basement indoor air and first floor sub-slab vapor (Table 6). The location of these detections correlates with the CVOC impacted groundwater footprint.

3.3 Review of On-Property Detections

Site investigation activities conducted at the Site since 2002 included a thorough assessment for VOC impacts in groundwater, soil, and sump water. In 2021, the potential for vapor intrusion was also assessed. The following provides a discussion of the detections of PCE and PCE breakdown products in the various environmental media that have been sampled on the Property. These detections clearly document that hazardous substance contamination is present on the Property, which is one

requirement for an off-site liability clarification determination. Furthermore, the locations of these detections substantiate that the Property has been impacted by an off-site source(s), as further detailed in subsequent sections.

3.3.1 Groundwater

- One hundred sixty-two individual groundwater samples have been collected from the on-site monitoring well network and analyzed for VOCs. Available VOC groundwater analytical results are summarized on Table 7 (2021 data) and Table 9 (2002-2020 data).
- PCE has been detected during one or more sampling events at six monitoring locations on the Property (B-12, MW-8, MW-13, MW-14, PZ-8, and PZ-13) with the earliest on-site detection being in February 2006 in MW-8. All on-site PCE detections are in monitoring points located near the southern/southeastern property boundary closest to the upgradient Larson Cleaners site.
- PCE breakdown products, including TCE, cDCE, tDCE, 1,1-DCE, and VC, have been detected during one or more sampling events in a more widespread group of on-site monitoring wells with the earliest on-site detection of a PCE breakdown product (TCE, cDCE, and VC) at low levels in MW-3 and MW-4 during the initial phase of the site investigation activities in 2002.
- During the October 2021 comprehensive groundwater sampling event, the highest concentration of PCE in an on-site monitoring well was reported in new well MW-13 (110 µg/L) located at the southeastern (upgradient) property boundary. Similarly, the highest concentrations of select PCE breakdown products were also detected in MW-13: TCE (70 µg/L), cDCE (690 µg/L), tDCE (7.5 µg/L), 1,1-DCE (1.5 µg/L). A discussion regarding the elevated PCE impacts observed in off-site upgradient well PZ-9 is provided in Section 3.4.
- Groundwater samples collected to date in on-site monitoring wells document that hazardous substance (PCE and PCE breakdown products) contamination is present on the Property. Contaminant distribution is indicative of PCE-impacted groundwater migrating on to the Property near the southern/southeastern property boundary from the upgradient Larson Cleaners site.

3.3.2 Soil

- Seventy-four discrete soil samples were collected on-site and analyzed for VOCs. Soil sample analytical results are summarized on Table 8 (2021 data) and Table 10 (2002-2020 data).
- PCE was detected in two soil samples collected on site.
    - PCE was detected in on-site boring B-10 (0.5-1.5 feet bgs; 0.133 mg/kg in 2006) collected from beneath the basement floor. The detection of PCE in this sample is likely indicative of groundwater conditions (saturated soil) at this location, as groundwater is often in direct contact with the basement floor.
    - PCE was detected in on-site boring SB-3 (0-4 feet bgs; 0.034 mg/kg in 2002) collected at the southwestern property boundary, between the site building and the Manitowoc River. Depth to groundwater measured in nearby groundwater monitoring well MW-1 is historically less than 4 feet below bgs and as a result, this soil sample was likely collected near the soil/groundwater interface and appears to be representative of saturated soil conditions. Additionally, soil samples collected from borings surrounding SB-3 (B-1, SB-2, SB-4, and SB-6) did not contain detectable concentrations of PCE.
- PCE breakdown products were detected in just two soil samples collected on site.
    - TCE was detected in on-site boring PZ-10 (2-4 feet bgs, 2.6 mg/kg in 2008) located in the grassed area north of the facility. As previously described in Section 3.2, the results of the

September 2021 additional investigation activities performed in this area (SB-101 through SB-104) did not confirm this prior detection. No VOCs were detected in the four soil samples collected near the MW-10/PZ-10 well nest, including the sample collected from boring SB-102, which was advanced within approximately 3.5 feet of the prior sample location. Additionally, depth to groundwater in MW-10 is historically less than 3.5 feet bgs.

- 1,1-DCE was detected in on-site boring B-10 (0.5-1.5 feet bgs, 0.171 mg/kg in 2006). As previously referenced, this sample was collected beneath the basement floor, which is often in direct contact with groundwater.
- No other PCE breakdown products were detected in any of the 74 soil samples collected to date on the Property.

- These limited detections of PCE and PCE breakdown products in soil at the Site are representative of saturated soil conditions based on the depth of collection and the depth to the soil/groundwater interface and are not indicative of an on-site release of CVOCs. No significant source of CVOC impacted soil was identified on site.

3.3.3 Sump Water

- Twenty-seven sump water samples were collected to date and analyzed for VOCs. Sump water analytical results are summarized on Table 3 (2021 data) and Table 11 (2006-2020 data). Sump locations are shown on Figure 2.
- PCE was detected in 13 sump water samples, with the highest detection being in March 2013 from the East Sump (15 µg/L). The concentration of PCE in groundwater at nearby on-site MW-8, located approximately 10 feet east of the East Sump, was reported at similar concentration during the February 2013 sampling event (18 µg/L).
- PCE breakdown products, including TCE, cDCE, trans-DCE, and VC, have been detected in water samples collected from both the East Sump and/or the Large Sump during one or more sampling events.
- PCE and PCE breakdown products have not been detected to date in the West Sump.
- Sump water samples collected within the basement document that hazardous substance (PCE and breakdown products) contamination is present on the Property. Contaminant distribution shows PCE impacted groundwater is present beneath the eastern portion of the building and coincides with where the CVOC affected groundwater plume has migrated onto the Property from the upgradient Larson Cleaners site. The CVOC impacted groundwater that enters the site infiltrates into the basement drainage system and is being drawn in by the operating sump pumps. The CVOC impacted groundwater is collected in the East Sump and then conveyed to the Large Sump, from which it is discharged to the Manitowoc River. The absence of CVOCs in the West Sump supports the conclusion that sump water is being affected by the Larson Cleaners CVOC groundwater plume.

3.3.4 Vapor

- Sump vapor samples were collected from the East Sump and West Sump in July 2021. Basement indoor air (IA-B-1[East Sump area], IA-B-2 [central/large sump area], and IA-B-3 [West Sump area]) and first floor slab on grade sub-slab vapor (VP-1 through VP-4) samples were collected in August 2021(“cooling” season) and March 2022 (“heating” season). Vapor sampling locations are shown on Figure 7A (Basement) and Figure 7B (First Floor) and sampling results are summarized on Table 4 (sump vapor) and Table 6 (basement indoor air and first floor sub-slab vapor).

- PCE was detected in the East Sump vapor sample at a concentration of 3,150 micrograms per cubic meter (µg/m^3). PCE breakdown products were also detected in East Sump vapor sample: TCE (1,470 µg/m^3), cDCE (7,760 µg/m^3), tDCE (287 µg/m^3), 1,1-DCE (62.1 µg/m^3), and VC (385 µg/m^3). PCE and select PCE breakdown products were detected at very low or estimated concentrations below the limit of detection ("J" flagged) in the West Sump vapor sample.
- PCE was detected in all three basement indoor air samples collected during the August 2021 and March 2022 sampling events. The highest PCE concentration during each sampling event was reported in sample IA-B-1 with a maximum concentration of 4.1 µg/m^3 (March 2022). Indoor air sample location IA-B-1 is located adjacent to the East Sump, where the highest concentrations of PCE were detected in sump water samples. PCE breakdown products (TCE, cDCE, tDCE and VC) were also detected in one or more of the basement indoor air samples. All August 2021 and March 2022 indoor air detections were below the applicable Vapor Action Levels (VALs).
- PCE was detected in all four sub-slab vapor samples collected from beneath the first-floor slab-on-grade portion of the site building during the August 2021 and March 2022 sampling event. The highest concentration of PCE in sub-slab vapor during both events was reported in sample VP-1 located in the southeast portion of the building, with a maximum concentration of 1,220 µg/m^3 (August 2021). TCE was the only PCE breakdown product detected in sub-slab vapor during either event, with a maximum concentration of 12.1 µg/m^3 (VP-1, March 2022). All August 2021 and March 2022 sub-slab vapor detections were well below the applicable commercial/industrial Vapor Risk Screening Levels (VRSLs).
- Sump vapor samples document that CVOC impacted groundwater entering the basement drainage system has the potential to off-gas and influence indoor air quality. Vapor sample contaminant distribution coincides with where PCE-impacted groundwater is present beneath the eastern portion of the building.

3.4 Migration of Contaminant from Larson Cleaners

Based on Ramboll's review of data collected on behalf of NOC along with an evaluation of investigation results associated with the Larson Cleaners site, there is clear evidence that the PCE and PCE breakdown product impacts identified on the Property are the result of CVOC impacted groundwater migrating from the former dry cleaner site. Groundwater flow at the Larson Cleaners site has been documented to be to the north/northeast towards the Property. An area-wide groundwater flow map prepared using 2009 water level elevation data for two nearby BRRTs sites (Chilton Metal and Larson Cleaners) is provided as Figure 5.

PCE and TCE isoconcentration maps prepared by OMNNI during the 2013/2015 WDNR led investigation work clearly illustrate the migration of CVOC groundwater impacts from the Larson Cleaners site towards the Property. Copies of the OMNNI isoconcentration maps and the associated cross section showing the vertical distribution of PCE impacts during this same time period are provided in Appendix A. Groundwater analytical results from the 2021 sampling events performed on behalf of NOC and WDNR further document the migration of Larson Cleaners CVOC groundwater impacts onto the Property. The distribution of PCE and TCE concentrations in shallow and deep groundwater utilizing data collected from both the Site (August 2021 and October 2021) and Larson Cleaners (September 2021) data is illustrated on Figure 10A and Figure 10B, respectively. Similar to the OMMNI figures, the shallow and deep results are combined to provide a better illustration of the horizontal extent of impacts. A geologic cross section showing the vertical distribution of CVOC groundwater impacts using the 2021 data is provided as Figure 11. Based on this evaluation, the groundwater impacts appear to be migrating through the sand/silty-sand unit from the Larson Cleaners site to PZ-9. Between PZ-9 and PZ-14, the hydrogeologic vertical gradients shift from

downward to upward driving impacted groundwater toward the water table where PCE and PCE breakdown products are detected in MW-14, MW-8, and the East Sump above WAC NR 140 ES criteria for PCE and TCE.

Additional lines of evidence supporting this assertion are described in the following sections. These lines of evidence were previously documented by SEH in the 2019 *Comprehensive Site Investigation Report* (SEH, 2019) and are expanded upon or updated herein based on the results of additional investigation activities.

3.4.1 Highest PCE Concentrations Observed First at Larson Cleaners

Elevated concentrations of PCE and PCE breakdown products have been documented on the Larson Cleaner site as early as 1999, roughly 5 years after dry cleaning operations ceased at this location. In contrast, PCE was not identified as a contaminant of concern at the Property until it was discovered in groundwater at a concentration of 1.1 µg/L following the installation of off-site, upgradient piezometer PZ-9 in February 2008. Off-site well PZ-9 is located approximately 25 feet upgradient from the Property boundary as shown on Figure 2.

Concentrations of PCE in groundwater samples collected from PZ-9 show a generally increasing concentration trend in the years following installation, with the highest concentration (256 µg/L) of PCE reported in 2013 during the area wide sampling event conducted by OMNNI on behalf of WDNR. In comparison, the concentration of PCE in Larson Cleaners well MW-2 (LCMW-2), located approximately 275 feet upgradient of PZ-9, was 63,000 µg/L during this same 2013 sampling event. A comparison of PCE concentration trends in piezometer PZ-9 and Larson Cleaners well LCMW-2 are illustrated on charts provided as Figure 12. The concentration trend graphs show a decrease in concentrations of PCE in the Larson Cleaners well LCMW-2 corresponding to increasing concentrations in downgradient piezometer PZ-9 over the same period.

3.4.2 Larson Cleaners is a Confirmed Source Area

Site investigation activities conducted to date at the Larson Cleaners site document elevated concentrations of PCE and PCE breakdown products in both soil and groundwater with concentrations consistent with a PCE release. Maximum concentrations of CVOCs in soil on the Larson Cleaners site were observed beneath the site building and included PCE at 4,100 mg/kg (LCMW-2, 4.5 to 5.0 feet bgs), TCE at 28.9 mg/kg (LCMW-3, 4.5 to 5.0 feet bgs) and cDCE at 1.92 mg/kg (LCMW-3, 4.5 to 5.0 feet bgs). Maximum CVOC concentrations in groundwater were observed at these same locations with PCE at 137,000 µg/L (LCMW-2, November 2007), TCE at 3,800 µg/L (LCMW-3, November 2007) and cDCE at 1,350 µg/L (LCMW-3, November 2007). The documented presence of PCE at concentrations higher than the associated breakdown products are indicative of a PCE source area.

The *Superfund Preliminary Assessment* report prepared by WDNR in March 2009 for the Larson Cleaners site included the following conclusion:

> *"The high concentration of known contamination (as much as 1 gram per liter) indicates there is a likely non-aqueous phase liquid in shallow groundwater. Due to the NAPL and poor conditions for natural attenuation, the plume is expected to continue to migrate for the foreseeable future."*

Groundwater samples collected by the WDNR from select wells on the Larson Cleaners site in 2021 (Appendix B) document that elevated concentrations of PCE and PCE breakdown products remain on site (LCMW-2: PCE at 9,600 µg/L, TCE at 260J µg/L , cDCE at 31 µg/L, trans-DCE 9.3 µg/L, and 1,1-DCE at 1.4 J µg/L) and immediately downgradient (LCMW-8: PCE at 9,600 µg/L, TCE at

230J µg/L, cDCE at <250 µg/L, trans-DCE at<250 µg/L, and 1,1-DCE at <250 µg/L). CVOC concentrations in groundwater on or immediately downgradient of the Larson Cleaners site are orders of magnitude higher than those concentrations observed in wells located on or immediately upgradient of the Property.

3.4.3 Impacts At Upgradient Property Boundary Are Not from a Surface Source at the Site

The highest concentration of PCE in groundwater at the Site continues to be immediately upgradient in off-Site piezometer PZ-9 which is screened in the silty sand layer. During the October 2021 comprehensive groundwater sampling event, the highest concentration of PCE was reported in PZ-9 at 180 µg/L. PCE breakdown products were also detected in PZ-9: TCE (94 µg/L), cDCE (56 µg/L), tDCE (1.1 µg/L), and VC (0.26J µg/L). Groundwater samples collected from shallow groundwater monitoring well MW-9, screened in lower permeability clay fill, have had no detections of PCE or any of the PCE breakdown products since monitoring began at this location in 2006. This indicates that groundwater contamination identified near the southern property line in the silty-sand (PZ-9) and sand fill (MW-14) layers are originating from an upgradient source (Larson Cleaners site), and not from surficial contamination at the Site.

Additionally, soil samples collected to date at off-site upgradient well nest MW-9/PZ-9/OMPZ-3 are not indicative of a release area. Soil samples collected during the installation of MW-9 in 2006 (0 to 4 feet bgs and 4 to 6 feet bgs) contained no detectable concentrations of PCE or PCE breakdown products. TCE was the only CVOC detected in a soil sample collected during the installation of PZ-9 (4 to 6 feet bgs) in 2008 at a concentration of 1.5 mg/kg; however, the soil sample may represent saturated soil conditions given that the historic depth to groundwater in MW-9 has been as elevated as approximately 6 feet bgs, as measured on March 20, 2009 (SEH, 2019). Given the proximity (same sample depth and less than 10 feet away) to the non-detect MW-9 soil sample results and the absence of VOCs in shallow groundwater, this suspect TCE detection is not indicative of a surface source on or immediately upgradient of the Property.

Similarly, there were no PCE or PCE breakdown product detections in soil samples collected during the installation of property boundary well nests MW-13/PZ-13 and MW-14/PZ-14 in 2021. As such, the detection of PCE and PCE breakdown products in groundwater samples collected in October 2021 from these wells are not indicative of a surface source on the Property.

3.4.4 Contamination has had Sufficient Time to Travel from Larson Cleaners to the Site

The Larson Cleaners site is located approximately 300 feet south (upgradient) of the Property. As previously described and illustrated on Figure 5, groundwater from the Larson Cleaners site flows north and northwest toward the Property, resulting in the apparent migration of impacted groundwater contamination from the Larson Cleaners site (source area) to the Property over time. Average linear velocities of groundwater in the silty sand layer indicate that groundwater contaminants could reasonably travel this distance, given the time that elapsed since the release would have occurred at the Larson Cleaners site.

SEH included the following hypothetical solvent release in their 2013 Supplemental Site Investigation Report (SEH, 2013) to demonstrate this case:

Illustrative simplified calculation with hypothetical solvent release:

- *Dry cleaner begins operation in 1945*
- *Solvent release begins after 20 years of operation in 1965 (hypothetical)*

- *Groundwater flow 6-8 feet/year*
- *Solvent travels 7 feet/year x 48 years = 336 feet*
- *Distance from Larson Cleaners to the Site = 300 feet*
- *Solvent plume extends 36 feet onto the Site in 2013*

This hypothetical scenario is further supported by the previously described increasing contaminant trend on the Site and distribution of data collected to date.

3.5 Impacts Not Associated with Historic or Current Site Operations

Historic manufacturing activities at the Site began in the 1920s and ended in 2001. Historic records indicate that PCE and TCE may have been used on site, however there is no documentation or investigation results that indicate that a release of these compounds has occurred on the Property. This is evidenced by the following:

- No documented spills.
- Absence of on-site soil impacts indicating a release.
- No VOCs detected in the basement trench solids.
- The distribution of PCE and PCE breakdown products in groundwater are consistent with an off-site source, not an on-site source.
- Groundwater flows from Larson Cleaners to the north/northeast towards the Site.
- Vertical gradients calculated using groundwater elevations support the detections of PCE and PCE breakdown products in deep monitoring wells immediately off site (PZ-9); in both deep and shallow monitoring wells at the property boundary (MW-13/PZ-13 and MW-14/PZ-14); and in shallow monitoring wells (MW-8) and the East Sump on the Site.

The site was sold by NOC to Floor Space in 2002, and by Floor Space to Fraser Properties LLC on January 31, 2022. The Property is occupied by multiple tenants. The first floor has two tenants: JTD Enterprises, Inc. (JTD) and Kaytee Products, Inc. (Kaytee). JTD is a manufacturing company that machines metal components for industrial clients (e.g., automotive and food processing). JTD comprises a majority of the concrete slab-on-grade area (southern-most portion of the building). The remaining area of the first floor is leased by Kaytee for storage of animal products (e.g., bird seed and animal bedding material). The second floor is partitioned similarly to the first floor. The area above JTD includes a small engine workshop, a woodworking shop, and miscellaneous storage (e.g., furniture, motorcycles, snowmobiles, and machinery).

No available information indicates that current site operations are a source of the PCE and PCE breakdown product impacts detected at the Site. This is evidenced by the following:

- No evidence of contamination based on visual observations made by SEH or by Ramboll.
- No potential sources of contamination identified by SEH. Note that Ramboll conducted a review of chemical storage and use at the site during the August 2021 vapor intrusion assessment activities. The survey did not identify any information that indicates that significant quantities of PCE or TCE are used by any of the tenants. Limited CVOCs may be present in the space leased by JTD and the second floor (the woodworking and small engine repair shop), with container sizes and quantities consistent with limited commercial type use.
- The site is not listed on the RCRA database as a generator of hazardous waste (PCE or TCE).

3.6 PCE and PCE Breakdown Products Conclusions

The results of the site investigation activities conducted to date both on- and off-site provide numerous lines of evidence supporting the assertion that CVOC impacts, specifically PCE and PCE breakdown products, identified on the Site are the result of impacted groundwater migrating onto the Property from an off-site, upgradient source (Larson Cleaners; 317 E. Main Street, BRRTS No. 02-08-221491) located approximately 300 feet upgradient (south). Impacts from this off-site source have been documented in groundwater, saturated soil, sump water, and vapor at the Property and there is no evidence of an on-site source of these impacts. As such, NOC is seeking WDNR's written concurrence that impacts that have migrated onto the Property from an off-site source are not NOC's responsibility, and, as such, NOC has no liability for further investigation or remediation of PCE and PCE breakdown products environmental contamination on the Property caused by others.

4. 1,2-DCA

4.1 Background

Based on the results of the site investigation activities conducted to date at the Site, 1,2-DCA has not been detected in soil on-site, specifically in areas where 1,2-DCA has been detected in groundwater (B-6, B-12, MW-3 through MW-8 and nested monitoring wells/piezometers MW/PZ-10, MW-11, and MW/PZ-12). Based on the lines of evidence discussed herein, the source of 1,2-DCA impacted groundwater is an off-site, hydro-geologically upgradient source (Chilton Metal, 300 E. Breed Street, BRRTS Nos. 02-08-561133 and 03-08-000802) located approximately 1,000 feet northwest of the Site. The lines of evidence that support this conclusion include:

1. 1,2-DCA has not been detected in any soil samples collected on-site or immediately off-site since investigation activities began in 2002.
2. Elevated concentrations of 1,2-DCA in groundwater are detected in on-site nested monitoring wells and piezometers installed along and near the Manitowoc River and former pre-1950s Manitowoc River orientation.
3. The highest concentrations of 1,2-DCA in groundwater are detected in piezometer PZ-10, installed above the bedrock, and MW-10, installed approximately 100 feet south/southeast of the Manitowoc River. 1,2-DCA concentrations in groundwater monitoring wells located on the upgradient Chilton Metal site are an order of magnitude higher than those observed on the Property.
4. Chilton Metal is a confirmed off-site source of 1,2-DCA.

Section 4.2 provides discussion of the available on-site analytical data collected since investigation activities commenced in 2002. Section 4.3 expands the discussion to available off-site analytical data collected and WDNR's evaluation of the Chilton Metal site.

4.2 Review of 1,2-DCA Detections

Site investigation activities conducted since 2002, including activities completed by Ramboll in 2021, are summarized in Section 2.1 and Section 3.2. This section focuses on discussing detections of 1,2-DCA in groundwater, soil, sump water, and vapor (indoor air, sump vapor, and sub-slab vapor) at the Site. The detections of 1,2-DCA clearly document that hazardous substance contamination is present on the site and originated from an off-site source (Chilton Metal).

4.2.1 Groundwater

- One hundred fifty-eight individual groundwater samples have been collected from the on-site monitoring well network and analyzed for 1,2-DCA. Available VOC groundwater analytical results are summarized on Table 7 and Table 9.
- 1,2-DCA has been detected during multiple sampling events at two monitoring points (B-6 and B-12) and 13 monitoring wells located on the Property (MW-3 [abandoned in 2008], MW-4 [abandoned in 2021], MW-5, PZ-5, OMPZ-4, MW-6 [abandoned in 2021], MW-7 [abandoned in 2021], MW-8, MW-10, PZ-10, MW-11, MW-12, PZ-12) with the earliest on-site detection from November 19, 2002 in MW-3. All detections of 1,2-DCA are from monitoring wells located north/northeast of the original 1920s building and near the original Manitowoc River channel.
- During the October 2021 comprehensive groundwater sampling event, the highest concentration of 1,2-DCA was detected in PZ-10 (76 µg/L) located northeast of the Site building and approximately 120 feet southeast of the Manitowoc River. The highest October 2021 concentration of 1,2-DCA in a shallow monitoring well was detected in MW-11 (19 µg/L), located on-site along the Manitowoc River.
- The distribution of 1,2-DCA is indicative of an off-site source migrating onto the Property due to the highest concentrations being observed in shallow groundwater along the property boundary and in deep groundwater on site. No 1,2-DCA impacted groundwater has been detected in the southern-most monitoring wells located on and off the Property. The magnitude and extent of 1,2-DCA groundwater impacts in the shallow and deep groundwater monitoring well network, as determined based on the 2021 groundwater sampling results, are illustrated on Figure 13A and Figure 13B, respectively.

4.2.2 Soil

- Forty-eight soil samples were collected on site and analyzed for 1,2-DCA. Soil sample analytical results are summarized on Table 8 and Table 10.
- 1,2-DCA was not detected in any of the soil samples collected on site. This includes soil samples collected from and near locations where 1,2-DCA was detected in groundwater (SB-100 through SB-108, MW-5/PZ-5, MW-10/PZ-10, MW-11, and MW-12/PZ-12) and in the northern/ northeastern most portion of the Property from shallow soil samples collected by Stantec in June 2020 (PP-1 through PP-4).
- No 1,2-DCA impacted soil is located on the Property.

4.2.3 Sump Water

- Twenty-five sump water samples have been collected and analyzed for 1,2-DCA since 2006. Sump water analytical results are summarized on Table 3 and Table 11. Sump locations are shown on Figure 2.
- Since sampling was initiated in 2006, 1,2-DCA was detected in only one sump water sample. The sample was collected from the Large Sump during the Stantec conducted groundwater sampling event on June 4, 2020, at an estimated concentration of 1,2-DCA of 0.53 µg/L and qualified with a “J” to indicate an estimated concentration.
- While the estimated concentration of 1,2-DCA was detected in the Large Sump in June 2020, no other detections of 1,2-DCA were documented in any of the other samples collected from the Large Sump prior to or after the June 2020 event. The sump samples collected to date indicate that 1,2-DCA impacted groundwater may be periodically entering the Large Sump; however, the concentration is below the limit of quantitation or detection and qualified with a “J” flag.

4.2.4 Vapor

- Sump vapor samples were collected from the East Sump and West Sump in July 2021, followed by collection of basement indoor air (IA-B-1[East Sump area], IA-B-2 [central/large sump area], and IA-B-3 [West Sump area]) and first floor slab on grade sub-slab vapor (VP-1 through VP-4) in August 2021. Vapor sampling locations are shown on Figure 7A (Basement) and Figure 7B (First Floor) and sampling results are summarized on Table 4 (sump vapor) and Table 6 (basement indoor air and first floor sub-slab vapor).
- 1,2-DCA was detected only in the sump vapor sample collected from the East Sump at an estimated ("J-flagged") concentration of 0.65 µg/m^3. 1,2-DCA was not detected in any of the basement indoor air or first floor sub-slab vapor samples.

4.3 Migration of Contaminant from Chilton Metal

Based on Ramboll's review of data collected on behalf of NOC along with an evaluation of investigation results associated with the Chilton Metal site, there is clear evidence that the 1,2-DCA impacts identified on the Property are the result of impacted groundwater migrating from the Chilton Metal site onto the Site. The following sections discuss the current distribution of 1,2-DCA at the Chilton Metal site, the geology and transport of 1,2-DCA from Chilton Metal, and area wide groundwater elevations and vertical gradients as groundwater approaches the Manitowoc River.

4.3.1 Distribution of 1,2-DCA at Chilton Metal

Historic documents relating to the Chilton Metal site including the *2020 Annual Groundwater Monitoring Update* (Foth, 2021) indicate the site is a confirmed source of 1,2-DCA in groundwater above the WAC NR 140 Enforcement Standard (ES) of 5.0 µg/L. Groundwater impacted with 1,2-DCA is dominant in the shallow geology at the on-site source area and descends through the aquifer[1] to the top of bedrock. At the property boundary, 1,2-DCA was observed in bedrock at CMS-20B at a concentration of 2.1 µg/L and CMS-24C at an estimated concentration of 88.1J µg/L during the October 2020 sampling event (Appendix C, Foth Figure 9 and Figure 10). Historic concentrations of 1,2-DCA at CMS-24C range from non-detected (<23.8 µg/L, September 26, 2013) to 564 µg/L (September 21, 2011). Historic off-site 1,2-DCA impacts are limited to CMS-26B with concentrations varying annually from 3.6 µg/L (October 22, 2020) to 15.1 µg/L (November 10, 2015). Estimated concentrations of 1,2-DCA were detected in CMS-29B and CMS-29C during the September 2010 sampling event at 0.76J µg/L and 0.42J µg/L. Data from monitoring well nests CMS-20, CMS-26, and CMS-29 potentially indicate the eastern edge of the 1,2-DCA groundwater plume. Non-detections of 1,2-DCA throughout the shallow and deep aquifers from monitoring well nests CMS-23, CMS-25, CMS-28, and CMS-27 indicate the potential location of the western edge of the 1,2-DCA plume boundary is between the CMS-23 and CMS-24 well nests. The detections of 1,2-DCA at the property boundary of the Chilton Metal site are approximately 10 times above the ES and are migrating off site through the unconsolidated geologic materials and underlying bedrock toward the Property.

4.3.2 Chilton Metal Geology

As discussed in the WDNR draft technical memo (WDNR, 2015), geologic boring logs from site investigations completed at the Chilton Metal site indicate unconsolidated geologic materials of fill (clay/sand), sand, and clay overlaying dolomite bedrock with "high yield" bedrock fracture zones (Figure 14, and Appendix C [WDNR Figures 21, 25A and 25B]). Geologic boring logs completed downgradient of the Chilton Metal site (CMS-25C, CMS-26B, CMS-27B, and CMS-29B) indicate a

[1] The specific gravity of 1,2-DCA is 1.24 grams per milliliter (g/mL) (NIOSH Pocket Guide, 2022). (https://www.cdc.gov/niosh/npg/npgd0271.html)

bedrock fracture zone at varying elevations below ground surface with known lateral extents near E. Breed Street and the railroad tracks (Appendix C, WDNR Figure 26A). Based on the WDNR draft technical memo, the intersected bedrock fracture zone elevation at CMS-25, CMS-27, CMS-26, and CMS-29 is at approximately 806 ft-amsl, 802 ft-amsl, 780 ft-amsl, and 770 ft-amsl, indicative of a sloped fracture zone with groundwater within the fracture zone potentially moving southeast/east (Appendix C, WDNR Figure 26B). The eastern and southeastern lateral extents of the bedrock fracture zones are unknown but were identified in the soil boring logs for the CMS-27 and CMS-29 well nests (Appendix C, WDNR Figure 27A). Groundwater impacted with 1,2-DCA potentially contacts and moves within the fractures (Appendix C, WDNR Figure 23).

4.3.3 Migration of 1,2-DCA from Chilton Metal

As discussed in Section 2.2, the surface elevation of the source area of 1,2-DCA at Chilton Metal is approximately 880 ft-amsl, and the Manitowoc River at the Property is 843 ft-amsl. Based on the review of groundwater contour figures created for the 2020 Groundwater Monitoring Update (Appendix C, Foth Figures 6 through 8), general groundwater direction, including bedrock groundwater, is to the south/southeast toward the Manitowoc River. Vertical groundwater gradients are downward near the Chilton Metal site and upward near the Manitowoc River (Appendix E). As such, 1,2-DCA impacted groundwater from the Chilton Metal site has migrated off-site to the south/southeast. Due to downward vertical gradients and the specific gravity of 1,2-DCA greater than 1 g/mL, impacted groundwater descends through the upper aquifer to the bedrock aquifer and ultimately moves toward and encounters a bedrock fracture zone, which transports the impacts downgradient to the Property. The pre-1950s Manitowoc River orientation and the March 2009 potentiometric surface figure (Figure 5) provides evidence for groundwater impacts to be observed as far south as the MW-8/PZ-8 well nest and as far east as the MW-5/PZ-5/OMPZ-4 well nest.

4.4 Impacts Not Associated with Historic or Current Site Operations

Historic records indicate that 1,2-DCA may have been used on-site; however, there is no documentation or investigation results that indicate that a release of this compound has occurred. This is evidenced by the following:

- No documented spills of 1,2-DCA.
- No detections of 1,2-DCA in on-site soil.
- Area wide groundwater transport, the existence of a bedrock fracture zone north of the Site, and vertical hydrogeologic gradients support an off-site source of 1,2-DCA due to detections in deep and shallow groundwater near the Manitowoc River.

As discussed in Section 3.5, the Property was sold in 2002 and is currently occupied by multiple tenants. No available information indicates that current site operations are a source of 1,2-DCA. This is evident by site reconnaissance completed during multiple site visits completed by Ramboll. Additionally, the Site is not listed on the RCRA database as a generator of hazardous wastes.

4.5 1,2-DCA Conclusions

The results of the site investigation activities conducted to date both on- and off-site provide numerous lines of evidence supporting the assertion that 1,2-DCA impacts identified are the result of impacted groundwater migrating onto the Property from an off-site, upgradient source (Chilton Metal) located approximately 1,000 feet upgradient (north/northwest). Impacts from this off-site source have been documented in groundwater, sump water, and sump vapor at the Property and there is no evidence of an on-site source of these impacts. As such, NOC is seeking WDNR's written concurrence that impacts that have migrated onto the Property from an off-site source are not NOC's responsibility

and as such NOC has no liability for further investigation and/or remediation of 1,2-DCA environmental contamination on the Property caused by others.

5. CONCLUSIONS

Based on a comprehensive review of the site investigation activities conducted to date at the Site and nearby open BRRTS cases and the multiple lines of evidence discussed in preceding sections, it is reasonable to conclude that CVOCs (primarily PCE and PCE breakdown products) and 1,2-DCA compounds detected in groundwater, saturated soil, sump water, and soil vapor above their applicable WAC NR criteria at the Site are the result of the migration of contaminants from off-site discharge sources onto the Property. The specific contaminants and potential off-site sources, if known, include:

- PCE and PCE breakdown products (Larson Cleaners; 317 E. Main Street, BRRTS No. 02-08-221491); and
- 1,2-DCA (Chilton Metal Products; 300 E. Breed Street, BRRTS Nos. 02-08-561133 and 03-08-000802).

The area wide groundwater flow direction, vertical gradient calculations and groundwater contaminant distribution gathered during the additional site investigation activities performed to date confirm the determination that impacted groundwater originating off-site is migrating onto the Site from two nearby BRRTS sites (Larson Cleaners and Chilton Metal).

PCE and PCE breakdown product impacts identified on the Property are the result of impacted groundwater migrating from the Larson Cleaners site. PCE and PCE breakdown products have been detected during one or more sampling events at six monitoring wells located on the Property (B-12, MW-8, MW-13, MW-14, PZ-8, and PZ-13). All PCE detections are in monitoring points located near the southern/southeastern property boundary closest to the upgradient Larson Cleaners site and at concentrations lower than upgradient off-site well PZ-9 and well below concentrations historically documented on the Larson Cleaners site. PCE breakdown products have been detected during one or more sampling events in a more widespread group of on-site monitoring wells. Additionally, PCE and PCE breakdown products have not been detected in unsaturated soil at the Site, which further supports the conclusion that there is no on-site source for the identified CVOCs impacts.

1,2-DCA impacts identified on the Property are the result of impacted groundwater migrating from the Chilton Metal site. Based on the results of the site investigation activities conducted at the Site, 1,2-DCA has not been detected in soil on-Site, specifically in areas where 1,2-DCA has been detected in groundwater. In addition, based on the comprehensive area wide groundwater elevation measurements collected in March 2009, the overall shallow groundwater flow in the area moves towards the central and northeastern portion of the Property with groundwater flowing to the Manitowoc River. Area wide vertical gradients are generally downward in the upland nested monitoring wells (Chilton Metal Property [CMS-20A/B and CMS-24A/B) and immediately off-Site to the south [MW-9/PZ-9]), and upward near the Manitowoc River (CMS-27A/B and CMS-29A/B and MW-5/PZ-5, MW-8/PZ-8, MW-10/PZ-10, and MW-12/PZ-12).

In conclusion, NOC is seeking WDNR's written concurrence that PCE and PCE breakdown products and 1,2-DCA impacts that have migrated via groundwater onto the Property from off-site sources are not NOC's responsibility, and, as such, NOC has no liability for further investigation or remediation of PCE and PCE breakdown products and 1,2-DCA in groundwater, saturated soil, sump water or soil vapor on the Property caused by others.

6. REFERENCES

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TABLES

Table 1. Groundwater Elevation Data
Former Mirro 20 Plant
Chilton, WI
Ramboll Project No. 1690019558

Well ID	Measurement Date	Top of Casing Elevation (feet amsl)	Land Surface Elevation (feet amsl)	Total Well Depth (feet)	Depth to Groundwater (feet)	Groundwater Elevation (feet amsl)
B-5	8/2/2021	846.31	843.94	14.20	1.94	844.37
	10/12/2021				1.5	844.81
B-5A	8/2/2021	846.25	843.94	5.01	2.32	843.93
	10/12/2021				2.21	844.04
B-6	8/2/2021	846.58	843.82	5.00	3.17	843.41
	10/12/2021				2.91	843.67
B-9	8/2/2021	846.43	843.81	5.01	3.12	843.31
	10/12/2021				2.89	843.54
B-11	8/2/2021	845.28	843.76	5.01	1.65	843.63
	10/12/2021				1.41	843.87
B-12	8/2/2021	846.63	843.82	5.02	2.94	843.69
	10/12/2021				2.73	843.90
MW-1	8/2/2021	850.08	848.81	14.98	5.19	844.89
	9/20/2021				5.20	844.88
	9/29/2021				5.24	844.84
	10/12/2021				4.69	845.39
MW-2	8/2/2021	850.82	848.60	15.38	6.95	843.87
	9/20/2021				7.13	843.69
	9/29/2021				7.03	843.79
	10/12/2021				6.52	844.30
MW-3	Abandoned					
MW-4	Abandoned					
MW-5	8/2/2021	848.93	846.31	15.28	5.40	843.53
	9/20/2021				5.55	843.38
	9/29/2021				5.54	843.39
	10/12/2021				4.73	844.20
MW-6	Abandoned					
MW-7	Abandoned					
MW-8	8/2/2021	847.58	848.19	11.88	3.70	843.88
	9/20/2021				3.80	843.78
	9/29/2021				3.83	843.75
	10/12/2021				3.47	844.11
MW-9	8/2/2021	852.16	852.52	13.24	6.02	846.14
	9/20/2021				6.52	845.64
	9/29/2021				6.95	845.21
	10/12/2021				6.30	845.86
MW-10	8/2/2021	849.93	846.46	15.20	6.72	843.21
	9/20/2021				6.84	843.09
	9/29/2021				6.8	843.13
	10/12/2021				6.21	843.72
MW-11	9/29/2021	846.66	844.6	15.23	4.01	842.65
	10/12/2021				3.16	843.50
MW-12	9/29/2021	848.23	845.587	15.89	5.63	842.60
	10/12/2021				4.81	843.42

Table 1. Groundwater Elevation Data
Former Mirro 20 Plant
Chilton, WI
Ramboll Project No. 1690019558

Well ID	Measurement Date	Top of Casing Elevation (feet amsl)	Land Surface Elevation (feet amsl)	Total Well Depth (feet)	Depth to Groundwater (feet)	Groundwater Elevation (feet amsl)
MW-13	9/29/2021	847.72	848.21	11.82	4.15	843.57
	10/12/2021				3.65	844.07
MW-14	9/29/2021	847.74	848.45	11.85	4.09	843.65
	10/12/2021				3.67	844.07
PZ-5	8/2/2021	848.50	846.10	30.40	4.77	843.73
	9/20/2021				4.87	843.63
	9/29/2021				4.60	843.90
	10/12/2021				4.23	844.27
PZ-8	8/2/2021	848.13	847.99	27.43	3.35	844.78
	9/20/2021				3.41	844.72
	9/29/2021				3.45	844.68
	10/12/2021				2.92	845.21
PZ-9	8/2/2021	851.84	852.59	27.82	6.75	845.09
	9/20/2021				6.77	845.07
	9/29/2021				6.89	844.95
	10/12/2021				6.34	845.50
PZ-10	8/2/2021	849.80	846.25	30.40	6.49	843.31
	9/20/2021				6.60	843.20
	9/29/2021				6.60	843.20
	10/12/2021				5.95	843.85
PZ-12	9/29/2021	847.75	845.627	32.32	4.76	842.99
	10/12/2021				3.99	843.76
PZ-13	9/29/2021	847.74	848.172	28.80	3.65	844.09
	10/12/2021				3.11	844.63
PZ-14	9/29/2021	848.13	848.524	29.85	3.62	844.51
	10/12/2021				3.22	844.91
OMPZ-3[1]	8/2/2021	852.12	852.56	44.31	6.65	845.47
	9/20/2021				6.61	845.51
	9/29/2021				6.72	845.40
	10/12/2021				6.19	845.93
OMPZ-4[2]	8/2/2021	849.24	846.38	58.2	4.73	844.51
	9/20/2021				4.72	844.52
	9/29/2021				4.80	844.44
	10/12/2021				4.14	845.10
SG-1	10/13/2021	844.99	--	--	1.75	843.24

Notes:

Depth to water measured from top of casing.

AMSL = Above Mean Sea Level

-- = Not Measured.

[1] = Stantec and Sigma called this well PZ-9D. OMNNI called this well MIPZ-10.

[2] = Off site well located near MW-5 and PZ-5. OMNNI Called this well MIPZ-11.

12/29/2020 Elevation data is taken from a site survey conducted by The Sigma Group in Decemer 2020.

MW-11, MW-12/PZ-12, MW-13/PZ-13, MW-14/PZ-14 and SG-1 were surveyed by The Sigma Group in October 2021.

Table 2: Vertical Groundwater Gradients
Former Mirro Plant No. 20
44 Walnut Street, Chilton, Wisconsin
Ramboll Project No. 1690019558

	Well ID	Measurement Date	Top of Casing Elevation (ft-amsl)	Ground-water Elevation (ft-amsl)	Screen Length (ft)	Top of Well Screen Elevation (ft-amsl)	Bottom of Well Screen Elevation (ft-amsl)	Mid-Point of Well Screen Elevation (ft-amsl)	Vertical Gradient Calculation Value (ft-amsl)	Elevation Difference (ft)	Vertical Gradient (ft/ft)	Direction
B-5 Well Nest	B-5A	11/4/2011	846.32	843.84	3.00	843.94	840.94	842.44	842.4	0.25	0.025	Upward
	B-5	11/4/2011	846.38	844.09	1.00	833.03	832.03	832.53	832.53			
	B-5A	6/2/2020	846.25	843.92	3.00	843.94	840.94	842.44	842.4	0.91	0.092	Upward
	B-5	6/2/2020	846.31	844.83	1.00	833.03	832.03	832.53	832.53			
	B-5A	8/2/2021	846.25	843.93	3.00	846.33	843.33	844.83	843.6	0.44	0.040	Upward
	B-5	8/2/2021	846.31	844.37	1.00	833.03	832.03	832.53	832.53			
	B-5A	10/12/2021	846.25	844.04	3.00	846.33	843.33	844.83	843.7	0.77	0.069	Upward
	B-5	10/12/2021	846.31	844.81	1.00	833.03	832.03	832.53	832.53			
MW-5 Well Nest	MW-5	7/8/2009	848.62	842.50	10.00	843.75	833.75	838.75	838.125	0.14	0.008	Upward
	PZ-5	7/8/2009	848.36	842.64	5.00	823.14	818.14	820.64	820.64			
	MW-5	10/5/2011	848.62	842.70	10.00	843.75	833.75	838.75	838.225	0.01	0.001	Upward
	PZ-5	10/5/2011	848.36	842.71	5.00	823.14	818.14	820.64	820.64			
	MW-5	11/4/2011	848.62	843.07	10.00	843.75	833.75	838.75	838.41	0.14	0.008	Upward
	PZ-5	11/4/2011	848.36	843.21	5.00	823.14	818.14	820.64	820.64			
	MW-5	2/28/2013	848.62	843.13	10.00	843.75	833.75	838.75	838.44	0.14	0.008	Upward
	PZ-5	2/28/2013	848.36	843.27	5.00	823.14	818.14	820.64	820.64			
	MW-5	8/2/2021	848.62	843.53	10.00	843.75	833.75	838.75	838.64	0.20	0.011	Upward
	PZ-5	8/2/2021	848.36	843.73	5.00	823.14	818.14	820.64	820.64			
	MW-5	9/20/2021	848.62	843.38	10.00	843.75	833.75	838.75	838.565	0.25	0.014	Upward
	PZ-5	9/20/2021	848.36	843.63	5.00	823.14	818.14	820.64	820.64			
	MW-5	9/29/2021	848.62	843.39	10.00	843.75	833.75	838.75	838.57	0.51	0.028	Upward
	PZ-5	9/29/2021	848.36	843.90	5.00	823.14	818.14	820.64	820.64			
	MW-5	10/12/2021	848.62	844.20	10.00	843.75	833.75	838.75	838.75	0.07	0.004	Upward
	PZ-5	10/12/2021	848.36	844.27	5.00	823.14	818.14	820.64	820.64			
MW-8 Well Nest	MW-8	2/28/2013	847.43	843.43	10.00	846.38	836.38	841.38	839.9	0.00	0.000	Static
	PZ-8	2/28/2013	847.33	843.43	5.00	825.03	820.03	822.53	822.53			
	MW-8	6/4/2020	847.38	843.92	10.00	846.33	836.33	841.33	840.1	0.95	0.055	Upward
	PZ-8	6/4/2020	847.51	844.87	5.00	825.21	820.21	822.71	822.71			
	MW-8	8/2/2021	847.58	843.88	10.00	846.19	836.19	841.19	840.0	0.90	0.055	Upward
	PZ-8	8/2/2021	848.13	844.78	5.00	826.13	821.13	823.63	823.63			
	MW-8	9/20/2021	847.43	843.78	10.00	846.38	836.38	841.38	840.1	0.94	0.054	Upward
	PZ-8	9/20/2021	847.33	844.72	5.00	825.03	820.03	822.53	822.53			
	MW-8	9/29/2021	847.38	843.75	10.00	846.33	836.33	841.33	840.0	0.93	0.054	Upward
	PZ-8	9/29/2021	847.51	844.68	5.00	825.21	820.21	822.71	822.71			
	MW-8	10/12/2021	847.58	844.11	10.00	846.19	836.19	841.19	840.2	1.10	0.067	Upward
	PZ-8	10/12/2021	848.13	845.21	5.00	826.13	821.13	823.63	823.63			

Table 2: Vertical Groundwater Gradients
Former Mirro Plant No. 20
44 Walnut Street, Chilton, Wisconsin
Ramboll Project No. 1690019558

	Well ID	Measurement Date	Top of Casing Elevation (ft-amsl)	Ground-water Elevation (ft-amsl)	Screen Length (ft)	Top of Well Screen Elevation (ft-amsl)	Bottom of Well Screen Elevation (ft-amsl)	Mid-Point of Well Screen Elevation (ft-amsl)	Vertical Gradient Calculation Value (ft-amsl)	Elevation Difference (ft)	Vertical Gradient (ft/ft)	Direction
MW-9 Well Nest	MW-9	10/5/2011	851.82	845.10	10.00	848.82	838.82	843.82	842.0	-0.93	-0.064	Downward
	PZ-9	10/5/2011	851.65	844.17	5.00	829.85	824.85	827.35	827.35			
	MW-9	11/4/2011	851.82	844.51	10.00	848.82	838.82	843.82	841.7	-0.18	-0.013	Downward
	PZ-9	11/4/2011	851.65	844.33	5.00	829.85	824.85	827.35	827.35			
	MW-9	2/28/2013	848.62	844.57	10.00	848.82	838.82	843.82	841.7	-0.72	-0.050	Downward
	PZ-9	2/28/2013	848.36	843.85	5.00	829.85	824.85	827.35	827.35			
	MW-9	6/4/2020	852.13	846.83	10.00	848.82	838.82	843.82	842.8	-1.18	-0.076	Downward
	PZ-9	6/4/2020	851.79	845.65	5.00	829.85	824.85	827.35	827.35			
	MW-9	8/2/2021	852.16	846.14	10.00	849.13	839.13	844.13	842.6	-1.05	-0.069	Downward
	PZ-9	8/2/2021	851.84	845.09	5.00	829.99	824.99	827.49	827.49			
	MW-9	9/20/2021	848.62	845.64	10.00	849.13	839.13	844.13	842.4	-0.57	-0.038	Downward
	PZ-9	9/20/2021	848.36	845.07	5.00	829.99	824.99	827.49	827.49			
	MW-9	9/29/2021	852.13	845.21	10.00	849.13	839.13	844.13	842.2	-0.26	-0.018	Downward
	PZ-9	9/29/2021	851.79	844.95	5.00	829.99	824.99	827.49	827.49			
	MW-9	10/12/2021	852.16	845.86	10.00	849.13	839.13	844.13	842.5	-0.36	-0.024	Downward
	PZ-9	10/12/2021	851.84	845.50	5.00	829.99	824.99	827.49	827.49			
MW-10 Well Nest	MW-10	7/8/2009	849.79	842.37	10.00	844.39	834.39	839.39	838.4	0.17	0.011	Upward
	PZ-10	7/8/2009	849.69	842.54	5.00	825.09	820.09	822.59	822.59			
	MW-10	10/5/2011	849.79	842.59	10.00	844.39	834.39	839.39	838.5	0.10	0.006	Upward
	PZ-10	10/5/2011	849.69	842.69	5.00	825.09	820.09	822.59	822.59			
	MW-10	11/4/2011	849.79	842.87	10.00	844.39	834.39	839.39	838.6	-0.08	-0.005	Downward
	PZ-10	11/4/2011	849.69	842.79	5.00	825.09	820.09	822.59	822.59			
	MW-10	2/28/2013	849.79	843.14	10.00	844.39	834.39	839.39	838.8	-0.03	-0.002	Downward
	PZ-10	2/28/2013	849.69	843.11	5.00	825.09	820.09	822.59	822.59			
	MW-10	8/2/2021	849.93	843.21	10.00	844.39	834.39	839.39	838.8	0.10	0.006	Upward
	PZ-10	8/2/2021	849.80	843.31	5.00	825.09	820.09	822.59	822.59			
	MW-10	9/20/2021	849.93	843.09	10.00	844.39	834.39	839.39	838.7	0.11	0.007	Upward
	PZ-10	9/20/2021	849.80	843.20	5.00	825.09	820.09	822.59	822.59			
	MW-10	9/29/2021	849.93	843.13	10.00	844.39	834.39	839.39	838.8	0.07	0.004	Upward
	PZ-10	9/29/2021	849.80	843.20	5.00	825.09	820.09	822.59	822.59			
	MW-10	10/12/2021	849.93	843.72	10.00	844.39	834.39	839.39	839.1	0.13	0.008	Upward
	PZ-10	10/12/2021	849.80	843.85	5.00	825.09	820.09	822.59	822.59			

Table 2: Vertical Groundwater Gradients
Former Mirro Plant No. 20
44 Walnut Street, Chilton, Wisconsin
Ramboll Project No. 1690019558

	Well ID	Measurement Date	Top of Casing Elevation (ft-amsl)	Ground-water Elevation (ft-amsl)	Screen Length (ft)	Top of Well Screen Elevation (ft-amsl)	Bottom of Well Screen Elevation (ft-amsl)	Mid-Point of Well Screen Elevation (ft-amsl)	Vertical Gradient Calculation Value (ft-amsl)	Elevation Difference (ft)	Vertical Gradient (ft/ft)	Direction
MW-12 Well Nest	MW-12	9/29/2021	848.23	842.60	10.00	842.34	832.34	837.34	837.3	0.39	0.020	Upward
	PZ-12	9/29/2021	847.75	842.99	5.00	820.43	815.43	817.93	817.93			
	MW-12	10/12/2021	848.23	843.42	10.00	842.34	832.34	837.34	837.3	0.34	0.017	Upward
	PZ-12	10/12/2021	847.75	843.76	5.00	820.43	815.43	817.93	817.93			
MW-13 Well Nest	MW-13	9/29/2021	847.72	843.57	10.00	845.90	835.90	840.90	839.7	0.53	0.029	Upward
	PZ-13	9/29/2021	847.74	844.09	5.00	823.94	818.94	821.44	821.443			
	MW-13	10/12/2021	847.72	844.07	10.00	845.90	835.90	840.90	840.0	0.57	0.031	Upward
	PZ-13	10/12/2021	847.74	844.63	5.00	823.94	818.94	821.44	821.443			
MW-14 Well Nest	MW-14	9/29/2021	847.74	843.65	10.00	845.89	835.89	840.89	839.8	0.87	0.046	Upward
	PZ-14	9/29/2021	848.13	844.51	5.00	823.28	818.28	820.78	820.781			
	MW-14	10/12/2021	847.74	844.07	10.00	845.89	835.89	840.89	840.0	0.85	0.044	Upward
	PZ-14	10/12/2021	848.13	844.91	5.00	823.28	818.28	820.78	820.781			

Notes:
ft - feet
amsl - above mean sea level
btoc - below top of casing
MW - monitoring well
PZ - piezometer

Table 3. VOC Sump Water Analytical Results (2021)

Former Mirro Plant No. 20
44 Walnut Street, Chilton, WI
BRRTS No.: 02-08-520157 (ERP) & 06-08-426946 (VPLE) FID: 408021130

			VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC
Station Name	Sample ID	Sample Date	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,1-Dichloropropene	1,2,3-Trichlorobenzene	1,2,3-Trichloropropane	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	1,2-Dibromo-3-chloropropane	1,2-Dibromoethane	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloropropane	1,3,5-Trimethylbenzene	1,3-Dichlorobenzene	1,3-Dichloropropane	1,3-Dichloropropene [1]	1,4-Dichlorobenzene	2,2-Dichloropropane	2-Butanone (MEK)	2-Chlorotoluene	4-Chlorotoluene	4-Isopropyltoluene	Benzene	Bromobenzene	Bromochloromethane	Bromodichloromethane	Bromoform	Bromomethane	Carbon Tetrachloride	Chlorobenzene
Reporting Units:			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
*Surface Water - Human Threshold Criteria:			NS	270,000	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1,509	NS	NS	NS	3,300	NS	420	NS	NS	NS	NS	NS	NS	610	NS	NS	NS	NS	NS	NS	1,210
*Surface Water - Human Cancer Criteria:			NS	NS	52	195	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	217	NS	NS	NS	NS	173	163	NS	NS	NS	NS	NS	NS	140	NS	NS	1960	1960	1960	29	NS
EAST SUMP	EAST SUMP	07/07/2021	<0.46	<0.38	<0.40	<0.35	<0.41	<0.39	<0.30	<0.46	<0.41	<0.34	<0.36	<2.0	<0.39	<0.33	<0.39	<0.43	<0.25	<0.40	<0.36	<0.78	<0.36	<0.44	<2.1	<0.31	<0.35	<0.36	<0.15	<0.36	<0.43	<0.37	<0.48	<0.80	<0.38	<0.39
LARGE SUMP	LARGE SUMP	07/07/2021	<0.46	<0.38	<0.40	<0.35	<0.41	<0.39	<0.30	<0.46	<0.41	<0.34	<0.36	<2.0	<0.39	<0.33	<0.39	<0.43	<0.25	<0.40	<0.36	<0.78	<0.36	<0.44	<2.1	<0.31	<0.35	<0.36	<0.15	<0.36	<0.43	<0.37	<0.48	<0.80	<0.38	<0.39
WEST SUMP	WEST SUMP	07/07/2021	<0.46	<0.38	<0.40	<0.35	<0.41	<0.39	<0.30	<0.46	<0.41	<0.34	<0.36	<2.0	<0.39	<0.33	<0.39	<0.43	<0.25	<0.40	<0.36	<0.78	<0.36	<0.44	<2.1	<0.31	<0.35	<0.36	<0.15	<0.36	<0.43	<0.37	<0.48	<0.80	<0.38	<0.39
Total Number of Samples Analyzed:			3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Number of Detections:			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Min:			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Max:			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
Samples analyzed for VOCs, PAHs, RCRA Metals, and PFAS, however only VOC results are shown for the purposes of this submittal.
Gray Text analyte not detected
Lab comments and definitions can be found in associated laboratory reports.

Results & Flags:
-- = Analysis not performed
< = Concentration is less than reported limit
J = Estimated concentration
NA = Not Applicable

Acronyms:
µg/L = micrograms per liter
BRRTS = Bureau for Remediation and Redevelopment Tracking System
ERP = Environmental Repair Program
FID = facility identification number
MEK = Methyl ethyl ketone
NS = No Standard
VOC = Volatile Organic Compound
VPLE = Voluntary Party Liability Exemption
WDNR = Wisconsin Department of Natural Resources
WI = Wisconsin

Superscripts:
1. 1,3-Dichloropropene was calculated by Ramboll as follows:
   a. Where no detections were observed, the sum of the reporting limits is presented.
   b. Where detections were observed, only the detected results were added together for the total summation.
   c. Analytes used for the calculation are cis-1,3-Dichloropropene and trans-1,3-Dichloropropene.

Screening Levels:
*Surface Water Criteria derived from Wisconsin Administrative Code (NR 105.08-09) Non-Public Water Supply: Warm Water Forage, Limited Forage, and Warm Water Sport Fish Communities

Table 3. VOC Sump Water Analytical Results (2021)

Former Mirro Plant No. 20
44 Walnut Street, Chilton, WI
BRRTS No.: 02-08-520157 (ERP) & 06-08-426946 (VPLE) FID: 408021130

			VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC
Station Name	Sample ID	Sample Date	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	cis-1,3-Dichloropropene	Dibromochloromethane	Dibromomethane	Ethylbenzene	Freon 12	Hexachlorobutadiene	Isopropyl ether	Isopropylbenzene	Methylene chloride (Dichloromethane, DCM)	Methyl-tert-butyl-ether	Naphthalene	n-Butylbenzene	n-Propylbenzene	sec-Butylbenzene	Styrene	tert-Butylbenzene	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	trans-1,3-Dichloropropene	Trichloroethene	Trichlorofluoromethane	Vinyl Chloride	Xylenes, Total
Reporting Units:			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
*Surface Water - Human Threshold Criteria:			NS	NS	NS	14,000	420	NS	NS	2,920	NS	NS	NS	NS	95,000	NS	NS	NS	NS	NS	NS	NS	NS	15,359	24,000	420	NS	NS	NS	NS
*Surface Water - Human Cancer Criteria:			NS	1960	1960	NS	NS	NS	NS	NS	1960	0.69	NS	NS	2700	NS	NS	NS	NS	NS	NS	NS	46	NS	NS	NS	539	1960	10	NS
EAST SUMP	EAST SUMP	07/07/2021	<0.51	<0.37	<0.32	52	<0.42	<0.49	<0.27	<0.18	<0.67	<0.45	<0.28	<0.39	<1.6	<0.39	<0.34	<0.39	<0.41	<0.40	<0.39	<0.40	8.2	<0.15	1.1	<0.36	4.9	<0.43	<0.20	<0.22
LARGE SUMP	LARGE SUMP	07/07/2021	<0.51	<0.37	<0.32	8.2	<0.42	<0.49	<0.27	<0.18	<0.67	<0.45	<0.28	<0.39	<1.6	<0.39	<0.34	<0.39	<0.41	<0.40	<0.39	<0.40	0.74 J	<0.15	<0.35	<0.36	<0.16	<0.43	<0.20	<0.22
WEST SUMP	WEST SUMP	07/07/2021	<0.51	<0.37	<0.32	<0.41	<0.42	<0.49	<0.27	<0.18	<0.67	<0.45	<0.28	<0.39	<1.6	<0.39	<0.34	<0.39	<0.41	<0.40	<0.39	<0.40	<0.37	<0.15	<0.35	<0.36	<0.16	<0.43	<0.20	<0.22
Total Number of Samples Analyzed:			3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Number of Detections:			0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	1	0	1	0	0	0
Min:			NA	NA	NA	8.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.74	NA	1.1	NA	4.9	NA	NA	NA
Max:			NA	NA	NA	52	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.2	NA	1.1	NA	4.9	NA	NA	NA

[O:CMD 7/26/21, C:LDH 8/4/21]

Notes:
Samples analyzed for VOCs, PAHs, RCRA Metals, and PFAS, however only VOC results are shown for the purposes of this submittal.
Gray Text analyte not detected
Lab comments and definitions can be found in associated laboratory reports.

Results & Flags:
-- = Analysis not performed
< = Concentration is less than reported limit
J = Estimated concentration
NA = Not Applicable

Acronyms:
µg/L = micrograms per liter
BRRTS = Bureau for Remediation and Redevelopment Tracking System
ERP = Environmental Repair Program
FID = facility identification number
MEK = Methyl ethyl ketone
NS = No Standard
VOC = Volatile Organic Compound
VPLE = Voluntary Party Liability Exemption
WDNR = Wisconsin Department of Natural Resources
WI = Wisconsin

Superscripts:
1. 1,3-Dichloropropene was calculated by Ramboll as follows:
   a. Where no detections were observed, the sum of the reporting limits is presented.
   b. Where detections were observed, only the detected results were added together for the total summation.
   c. Analytes used for the calculation are cis-1,3-Dichloropropene and trans-1,3-Dichloropropene.

Screening Levels:
*Surface Water Criteria derived from Wisconsin Administrative Code (NR 105.08-09) Non-Public Water Supply: Warm Water Forage, Limited Forage, and Warm Water Sport Fish Communities

Table 4. Sump Vapor Sample Analytical Results (2021)

Former Mirro Plant No. 20
44 Walnut Street, Chilton, WI
BRRTS No.: 02-08-520157 (ERP) & 06-08-426946 (VPLE) FID: 408021130

			PVOC	PVOC	PVOC	PVOC	PVOC	PVOC	PVOC	PVOC	PVOC	PVOC	CVOC	CVOC	CVOC	CVOC	CVOC	CVOC	CVOC	CVOC
Sample Location	Sample Type	Sample Date	Benzene	Ethylbenzene	Toluene	Xylene, o	Xylenes, m + p	Xylenes, Total	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Methyl-tert-butyl-ether	Naphthalene	1,1,1-Trichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	cis-1,2-Dichloroethene	Tetrachloroethene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl Chloride
		Reporting Units:	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
		VRSL Large Commercial/Industrial:	**1,600**	**4,900**	**2,200,000**	**44,000**	**44,000**	**44,000**	**26,000**	**26,000**	**47,000**	**360**	**2,200,000**	**88,000**	**470**	**NS**	**18,000**	**NS**	**880**	**2,800**
		VAL Large Commercial/Industrial:	16	49	22,000	440	440	440	260	260	470	3.6	22,000	880	4.7	NS	180	NS	8.8	28
EAST SUMP	Sump Vapor	07/08/2021	0.93	<0.46	2.5	0.61 J	2.6 J	3.2 J	1.4 J	0.63 J	<0.19	4.4	17.3	62.1	0.65 J	7,760	3,150	287	1,470	385
WEST SUMP	Sump Vapor	07/08/2021	<0.18	<0.49	2.2	0.74 J	2.9	3.6 J	2.0	0.71 J	<0.20	4.6	6.1	<0.22	<0.31	0.98 J	1.5	<0.27	0.43 J	<0.14
EAST SUMP CERT#2767	QA/QC	07/13/2021	<0.057	<0.15	<0.12	<0.14	<0.32	<0.32	<0.18	<0.14	<0.063	<1.1	<0.093	<0.069	<0.097	<0.098	<0.15	<0.084	<0.098	<0.043
WEST SUMP CERT#0842	QA/QC	07/13/2021	<0.057	<0.15	<0.12	<0.14	<0.32	<0.32	<0.18	<0.14	<0.063	<1.1	<0.093	<0.069	<0.097	<0.098	<0.15	<0.084	<0.098	<0.043

[O:MGP 7/21/21, C: LDH 7/21/2021, U:MGP 8/11/21, C:CMD 8/12/21]

Notes:
Sump vapor samples were collected from basement sumps sealed with plastic sheeting for 18-hours prior to sample collection. These sump vapor samples are not considered representative of indoor air or sub-slab conditions within the basement.
The Sub-Slab VRSL and Indoor Air VAL are, thus, provided here as points of reference, only.
Gray Text analyte not detected
Lab comments and definitions can be found in associated laboratory reports.

Results & Flags:
< = Concentration was not detected above the reported limit
J = Estimated concentration

Acronyms:
µg/m³ = micrograms per cubic meter
BRRTS = Bureau for Remediation and Redevelopment Tracking System (Wisconsin Department of Natural Resources (WDNR))
CVOC = Chlorinated Volatile Organic Compound
EPA = Environmental Protection Agency
ERP = Environmental Repair Program
FID = facility identification number
NS = No Standard
PVOC = Petroleum Volatile Organic Compound
QA/QC = quality assurance and quality control
VAL = Vapor Action Level for indoor air
VPLE = Voluntary Party Liability Exemption
VRSL = Vapor Risk Screening Level (= VAL/Attenuation Factor) for subsurface samples
WI = Wisconsin

Screening Levels:
VALs and VRSLs based on U.S.EPA Regional Screening Level Tables; see http://dnr.wi.gov/topic/brownfields/vapor.html for more details.

Table 5. VOC Basement Trench Solids Analytical Results (2021)

Former Mirro Plant No. 20
44 Walnut Street, Chilton, WI
BRRTS No.: 02-08-520157 (ERP) & 06-08-426946 (VPLE) FID: 408021130

			VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC
Station Name	Sample ID	Sample Date	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,1-Dichloropropene	1,2,3-Trichlorobenzene	1,2,3-Trichloropropane	1,2,4-Trichlorobenzene	Trimethylbenzenes, Total[1]	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	1,2-Dibromo-3-chloropropane	1,2-Dibromoethane	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloropropane	1,3-Dichlorobenzene	1,3-Dichloropropane	1,4-Dichlorobenzene	2,2-Dichloropropane	2-Butanone (MEK)	2-Chlorotoluene	4-Chlorotoluene	4-Isopropyltoluene	Benzene	Bromobenzene	Bromochloromethane	Bromodichloromethane	Bromoform
Reporting Units:			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
PRE EAST SUMP	PRE EAST SUMP	07/07/2021	<0.052	<0.043	<0.045	<0.040	<0.046	<0.044	<0.034	<0.052	<0.047	<0.039	<0.083	<0.040	<0.043	<0.220	<0.044	<0.038	<0.044	<0.048	<0.045	<0.041	<0.041	<0.050	<0.240	<0.035	<0.039	<0.041	<0.016	<0.040	<0.048	<0.042	<0.055
PRE LARGE SUMP	PRE LARGE SUMP	07/07/2021	<0.160	<0.140	<0.140	<0.130	<0.150	<0.140	<0.110	<0.160	<0.150	<0.120	<0.270	<0.130	<0.140	<0.710	<0.140	<0.120	<0.140	<0.150	<0.140	<0.130	<0.130	<0.160	<0.750	<0.110	<0.120	<0.130	<0.052	<0.130	<0.150	<0.130	<0.170
PRE WEST SUMP	PRE WEST SUMP	07/07/2021	<0.067	<0.055	<0.058	<0.051	<0.059	<0.056	<0.043	<0.066	<0.060	<0.049	<0.107	<0.052	<0.055	<0.290	<0.056	<0.048	<0.057	<0.062	<0.058	<0.052	<0.053	<0.064	<0.310	<0.045	<0.051	<0.052	<0.021	<0.052	<0.062	<0.054	<0.070
TS-01	TS-01	07/08/2021	<0.028	<0.023	<0.024	<0.021	<0.025	<0.024	<0.018	<0.028	<0.025	<0.021	<0.045	<0.022	<0.023	<0.120	<0.023	<0.020	<0.024	<0.026	<0.024	<0.022	<0.022	<0.027	<0.130	<0.019	<0.021	<0.022	<0.0089	<0.022	<0.026	<0.023	<0.029
Total Number of Samples Analyzed:			4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Number of Detections:			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Min:			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Max:			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
Samples analyzed for VOCs, PAHs, RCRA Metals, and PFAS, however only VOC results are shown for the purposes of this submittal.
Gray Text analyte not detected
Lab comments, additional data qualifiers and definitions can be found in associated laboratory reports.

Results & Flags:
< = Concentration is less than reported limit
NA = Not Applicable

Acronyms:
BRRTS = Bureau for Remediation and Redevelopment Tracking System
ERP = Environmental Repair Program
FID = facility identification number
MEK = Methyl ethyl ketone
mg/kg = milligrams per kilogram
VOC = Volatile Organic Compound
VPLE = Voluntary Party Liability Exemption
WI = Wisconsin

Superscripts:
1. Total Trimethylbenzenes were calculated by Ramboll as follows:
    a. Where no detections were observed, the sum of the reporting limits is presented.
    b. Where detections were observed, only the detected results were added together for the total summation.
    c. Analytes used for the calculation are 1,2,4-Trimethylbenzene and 1,3,5-Trimethylbenzene.

Table 5. VOC Basement Trench Solids Analytical Results (2021)

Former Mirro Plant No. 20
44 Walnut Street, Chilton, WI
BRRTS No.: 02-08-520157 (ERP) & 06-08-426946 (VPLE) FID: 408021130

			VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC
Station Name	Sample ID	Sample Date	Bromomethane	Carbon Tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	cis-1,3-Dichloropropene	Dibromochloromethane	Dibromomethane	Ethylbenzene	Freon 12	Hexachlorobutadiene	Isopropyl ether	Isopropylbenzene	Methylene chloride (Dichloromethane, DCM)	Methyl-tert-butyl-ether	Naphthalene	n-Butylbenzene	n-Propylbenzene	sec-Butylbenzene	Styrene	tert-Butylbenzene	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	trans-1,3-Dichloropropene	Trichloroethene	Trichlorofluoromethane	Vinyl Chloride	Xylenes, Total
	Reporting Units:		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
PRE EAST SUMP	PRE EAST SUMP	07/07/2021	<0.090	<0.043	<0.044	<0.057	<0.042	<0.036	<0.046	<0.047	<0.055	<0.030	<0.021	<0.076	<0.050	<0.031	<0.043	<0.180	<0.044	<0.038	<0.044	<0.047	<0.045	<0.044	<0.045	<0.042	<0.017	<0.039	<0.041	<0.019	<0.048	<0.030	<0.025
PRE LARGE SUMP	PRE LARGE SUMP	07/07/2021	<0.280	<0.140	<0.140	<0.180	<0.130	<0.110	<0.150	<0.150	<0.170	<0.096	<0.065	<0.240	<0.160	<0.098	<0.140	<0.580	<0.140	<0.120	<0.140	<0.150	<0.140	<0.140	<0.140	<0.130	<0.052	<0.120	<0.130	<0.058	<0.150	<0.093	<0.078
PRE WEST SUMP	PRE WEST SUMP	07/07/2021	<0.120	<0.056	<0.056	<0.073	<0.054	<0.046	<0.059	<0.060	<0.071	<0.039	<0.026	<0.098	<0.065	<0.040	<0.056	<0.240	<0.057	<0.048	<0.056	<0.060	<0.058	<0.056	<0.058	<0.054	<0.021	<0.051	<0.052	<0.024	<0.062	<0.038	0.720
TS-01	TS-01	07/08/2021	<0.048	<0.023	<0.023	<0.031	<0.023	<0.019	<0.025	<0.025	<0.030	<0.016	<0.011	<0.041	<0.027	<0.017	<0.023	<0.099	<0.024	<0.020	<0.024	<0.025	<0.024	<0.023	<0.024	<0.023	<0.0089	<0.021	<0.022	<0.010	<0.026	<0.016	<0.013
Total Number of Samples Analyzed:			4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Number of Detections:			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Min:			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.72
Max:			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.72

[O:CMD 7/26/21, C:LDH 8/4/21]

Notes:
Samples analyzed for VOCs, PAHs, RCRA Metals, and PFAS, however only VOC results are shown for the purposes of this submittal.
Gray Text analyte not detected
Lab comments, additional data qualifiers and definitions can be found in associated laboratory reports.

Results & Flags:
< = Concentration is less than reported limit
NA = Not Applicable

Acronyms:
BRRTS = Bureau for Remediation and Redevelopment Tracking System
ERP = Environmental Repair Program
FID = facility identification number
MEK = Methyl ethyl ketone
mg/kg = milligrams per kilogram
VOC = Volatile Organic Compound
VPLE = Voluntary Party Liability Exemption
WI = Wisconsin

Superscripts:
1. Total Trimethylbenzenes were calculated by Ramboll as follows:
    a. Where no detections were observed, the sum of the reporting limits is presented.
    b. Where detections were observed, only the detected results were added together for the total summation.
    c. Analytes used for the calculation are 1,2,4-Trimethylbenzene and 1,3,5-Trimethylbenzene.

Table 6. Basement Indoor Air and First Floor Sub-Slab Vapor Sample Analytical Results

Former Mirro Plant No. 20
44 Walnut Street, Chilton, WI
BRRTS No.: 02-08-520157 (ERP) & 06-08-426946 (VPLE)

			CVOC	CVOC	CVOC	CVOC	CVOC	CVOC	CVOC	CVOC	PVOC	PVOC	PVOC	PVOC	PVOC	PVOC	PVOC	PVOC	PVOC	PVOC
Sample Location	Sample Type	Sample Date	1,1,1-Trichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	cis-1,2-Dichloroethene	Tetrachloroethene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl Chloride	Benzene	Ethylbenzene	Toluene	Xylene, o	Xylenes, m + p	Xylenes, Total	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Methyl-tert-butyl-ether	Naphthalene
		Reporting Units:	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
	VRSL Large Commercial/Industrial:		**2,200,000**	**88,000**	**470**	**NS**	**18,000**	**18,000**	**880**	**2,800**	**1,600**	**4,900**	**2,200,000**	**44,000**	**44,000**	**44,000**	**26,000**	**26,000**	**47,000**	**360**
	VAL Large Commercial/Industrial:		22,000	880	4.7	NS	180	180	8.8	28	16	49	22,000	440	440	440	260	260	470	3.6
EAST SUMP	Sump Vapor	07/08/2021	17.3	62.1	0.65 J	7,760	3,150	287	1,470	385	0.93	<0.46	2.5	0.61 J	2.6 J	3.2 J	1.4 J	0.63 J	<0.19	4.4
WEST SUMP	Sump Vapor	07/08/2021	6.1	<0.22	<0.31	0.98 J	1.5	<0.27	0.43 J	<0.14	<0.18	<0.49	2.2	0.74 J	2.9	3.6 J	2.0	0.71 J	<0.20	4.6
IA-B-1	Indoor Air	08/06/2021	<0.29	<0.21	<0.30	0.32 J	2.7	<0.26	<0.30	<0.13	1.4	1.3 J	6.1	2.1	4.2	6.3	2.7	1.3 J	<0.20	<3.4
IA-B-1	Indoor Air	03/25/2022	<0.27	<0.20	<0.28	61.6	4.1	0.94 J	3.0	2.0	--	--	--	--	--	--	--	--	--	--
IA-B-2	Indoor Air	08/06/2021	<0.28	<0.21	<0.29	<0.29	1.8	<0.25	<0.29	<0.13	1.3	1.4	6.7	2.1	4.5	6.7	3.4	1.8	<0.19	3.3 J
IA-B-2	Indoor Air	03/25/2022	<0.29	<0.22	<0.31	3.6	<0.46	<0.27	<0.31	<0.14	--	--	--	--	--	--	--	--	--	--
IA-B-3	Indoor Air	08/06/2021	<0.29	<0.21	<0.30	<0.30	1.3	<0.26	<0.30	<0.13	1.3	1.5	7.4	2.5	5.1	7.6	4.0	1.7	<0.20	<3.4
IA-B-3	Indoor Air	03/25/2022	<0.27	<0.20	<0.28	3.2	<0.42	<0.24	<0.28	<0.12	--	--	--	--	--	--	--	--	--	--
OA	Outdoor Air	08/06/2021	<0.30	<0.22	<0.31	<0.31	<0.47	<0.27	<0.32	<0.14	0.39 J	<0.50	0.50 J	<0.44	<1.0	<1.0	<0.57	<0.47	<0.20	<3.5
OA	Outdoor Air	03/25/2022	<0.28	<0.21	<0.29	<0.30	<0.44	<0.26	<0.30	<0.13	--	--	--	--	--	--	--	--	--	--
VP-1	Sub-Slab Vapor	08/06/2021	45.9	<4.1	<5.8	<5.8	1,220	<5.0	<5.8	<2.6	<3.4	<9.2	<7.3	<8.1	<19.1	<19.1	<10.5	<8.6	<3.8	<64.7
VP-1	Sub-Slab Vapor	03/25/2022	21.9	<0.21	<0.29	<0.30	674	<0.26	12.1	<0.13	--	--	--	--	--	--	--	--	--	--
VP-2	Sub-Slab Vapor	08/06/2021	40.1	<2.2	<3.1	<3.1	878	<2.7	<3.2	<1.4	<1.8	<5.0	<3.9	<4.4	<10.3	<10.3	<5.7	<4.7	<2.0	<34.9
VP-2	Sub-Slab Vapor	03/25/2022	27.1	<0.21	<0.29	<0.30	590	<0.26	<0.30	<0.13	--	--	--	--	--	--	--	--	--	--
VP-3	Sub-Slab Vapor	08/06/2021	15.9	<1.0	<1.4	<1.4	501	<1.2	<1.4	<0.63	<0.83	<2.3	2.1 J	<2.0	<4.7	<4.7	<2.6	2.3 J	<0.92	<15.8
VP-3	Sub-Slab Vapor	03/25/2022	10.5	<0.22	<0.31	<0.31	245	<0.27	0.40 J	<0.14	--	--	--	--	--	--	--	--	--	--
VP-4	Sub-Slab Vapor	08/06/2021	4.6	<0.21	<0.29	<0.29	74.9	<0.25	0.47 J	<0.13	1.7	1.2 J	5.9	2.5	4.7	7.1	2.9	<0.43	<0.19	3.8 J
VP-4	Sub-Slab Vapor	03/25/2022	2.0	<0.21	<0.30	<0.30	34.4	<0.26	<0.30	<0.13	--	--	--	--	--	--	--	--	--	--
EAST SUMP CERT#2767	QA/QC	07/13/2021	<0.093	<0.069	<0.097	<0.098	<0.15	<0.084	<0.098	<0.043	<0.057	<0.15	<0.12	<0.14	<0.32	<0.32	<0.18	<0.14	<0.063	<1.1
WEST SUMP CERT#0842	QA/QC	07/13/2021	<0.093	<0.069	<0.097	<0.098	<0.15	<0.084	<0.098	<0.043	<0.057	<0.15	<0.12	<0.14	<0.32	<0.32	<0.18	<0.14	<0.063	<1.1
IA-B-1 CERT#0838	QA/QC	08/07/2021	<0.19	<0.14	<0.19	<0.20	<0.29	<0.17	<0.20	<0.087	<0.11	<0.31	<0.24	<0.27	<0.64	<0.64	<0.35	<0.29	<0.13	<2.2
IA-B-1 CERT#1233	QA/QC	03/28/2022	<0.093	<0.069	<0.097	<0.098	<0.15	<0.084	<0.098	<0.043	--	--	--	--	--	--	--	--	--	--
IA-B-2 CERT#2135	QA/QC	08/07/2021	<0.093	<0.069	<0.097	<0.098	<0.15	<0.084	<0.098	<0.043	<0.057	<0.15	<0.12	<0.14	<0.32	<0.32	<0.18	<0.14	<0.063	<1.1
IA-B-2 CERT#1750	QA/QC	03/28/2022	<0.093	<0.069	<0.097	<0.098	<0.15	<0.084	<0.098	<0.043	--	--	--	--	--	--	--	--	--	--
IA-B-3 CERT#2052	QA/QC	08/07/2021	<0.19	<0.14	<0.19	<0.20	<0.29	<0.17	<0.20	<0.087	<0.11	<0.31	<0.24	<0.27	<0.64	<0.64	<0.35	<0.29	<0.13	<2.2
IA-B-3 CERT#1188	QA/QC	03/28/2022	<0.093	<0.069	<0.097	<0.098	<0.15	<0.084	<0.098	<0.043	--	--	--	--	--	--	--	--	--	--
OA CERT#2035	QA/QC	08/07/2021	<0.093	<0.069	<0.097	<0.098	0.16 J	<0.084	<0.098	<0.043	<0.057	<0.15	<0.12	<0.14	<0.32	<0.32	<0.18	<0.14	<0.063	<1.1
OA CERT#2702	QA/QC	03/28/2022	<0.093	<0.069	<0.097	<0.098	<0.15	<0.084	<0.098	<0.043	--	--	--	--	--	--	--	--	--	--
VP-1 CERT#0240	QA/QC	08/07/2021	<0.19	<0.14	<0.19	<0.20	<0.29	<0.17	<0.20	<0.087	<0.11	<0.31	<0.24	<0.27	<0.64	<0.64	<0.35	<0.29	<0.13	<2.2
VP-1 CERT#3902	QA/QC	03/28/2022	<0.19	<0.14	<0.19	<0.20	<0.29	<0.17	<0.20	<0.087	--	--	--	--	--	--	--	--	--	--
VP-2 CERT#0224	QA/QC	08/07/2021	<0.19	<0.14	<0.19	<0.20	0.53 J	<0.17	<0.20	<0.087	<0.11	<0.31	<0.24	<0.27	<0.64	<0.64	<0.35	<0.29	<0.13	<2.2
VP-2 CERT#0713	QA/QC	03/28/2022	<0.093	<0.069	<0.097	<0.098	<0.15	<0.084	<0.098	<0.043	--	--	--	--	--	--	--	--	--	--
VP-3 CERT#0326	QA/QC	08/07/2021	<0.19	<0.14	<0.19	<0.20	<0.29	<0.17	<0.20	<0.087	<0.11	<0.31	<0.24	<0.27	<0.64	<0.64	<0.35	<0.29	0.38 J	<2.2
VP-3 CERT#0007	QA/QC	03/28/2022	<0.19	<0.14	<0.19	<0.20	<0.29	<0.17	<0.20	<0.087	--	--	--	--	--	--	--	--	--	--
VP-4 CERT#1750	QA/QC	08/07/2021	<0.093	<0.069	<0.097	<0.098	<0.15	<0.084	<0.098	<0.043	<0.057	<0.15	<0.12	<0.14	<0.32	<0.32	<0.18	<0.14	<0.063	<1.1
VP-4 CERT#1582	QA/QC	03/28/2022	<0.093	<0.069	<0.097	<0.098	<0.15	<0.084	<0.098	<0.043	--	--	--	--	--	--	--	--	--	--

[O:MGP 7/21/21, C: LDH 7/21/2021, U:MGP 8/11/21,U:MGP 4/10/22, C:ECB 4/11/22]

Notes:
Sump vapor samples were collected from basement sumps sealed with plastic sheeting for 18-hours prior to sample collection. These sump vapor samples are not considered representative of indoor air or sub-slab conditions within the basement.
The Sub-Slab VRSL and Indoor Air VAL are, thus, provided here as points of reference, only.
Gray Text analyte not detected
< = Concentration was not detected above the reported limit
J = Estimated concentration

Acronyms:
µg/m³ = micrograms per cubic meter
BRRTS = Bureau for Remediation and Redevelopment Tracking System (Wisconsin Department of Natural Resources (WDNR))
CVOC = Chlorinated Volatile Organic Compound
PVOC = Petroleum Volatile Organic Compound
VAL = Vapor Action Level for indoor air
VRSL = Vapor Risk Screening Level (= VAL/Attenuation Factor) for subsurface samples

VALs and VRSLs based on U.S.EPA Regional Screening Level Tables; see http://dnr.wi.gov/topic/brownfields/vapor.html for more details.

Table 7. 2021 Groundwater Analytical Results - VOCs

Former Mirro Plant No. 20
44 Walnut Street, Chilton, WI
BRRTS No.: 02-08-520157 (ERP) & 06-08-426946 (VPLE) FID: 408021130

		VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC
Sample Name	Sample Date	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,1-Dichloropropene	1,2,3-Trichlorobenzene	1,2,3-Trichloropropane	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Trimethylbenzenes, Total[1]	1,2-Dibromo-3-chloropropane	1,2-Dibromoethane	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloropropane	1,3-Dichlorobenzene	1,3-Dichloropropane	1,4-Dichlorobenzene	2,2-Dichloropropane	2-Butanone (MEK)
Reporting Units:		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
		Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
WI Groundwater ES:		**70**	**200**	**0.2**	**5**	**850**	**7**	**NS**	**NS**	**60**	**70**	**NS**	**NS**	**480**	**0.2**	**0.05**	**600**	**5**	**5**	**600**	**NS**	**75**	**NS**	**4,000**
WI Groundwater PAL:		7	40	0.02	0.5	85	0.7	NS	NS	12	14	NS	NS	96	0.02	0.005	60	0.5	0.5	120	NS	15	NS	800
B-5	08/03/2021	<0.46	<0.38	<0.40	<0.35	<0.41	<0.39	<0.30	<0.46	<0.41	<0.34	<0.36	<0.25	<0.61	<2.0	<0.39	<0.33	<0.39	<0.43	<0.40	<0.36	<0.36	<0.44	<2.1
B-5	10/13/2021	<0.46	<0.38	<0.40	<0.35	<0.41	<0.39	<0.30	<0.46	<0.41	<0.34	<0.36	<0.25	<0.61	<2.0	<0.39	<0.33	<0.39	<0.43	<0.40	<0.36	<0.36	<0.44	<2.1
B-5A	08/03/2021	<0.46	<0.38	<0.40	<0.35	<0.41	<0.39	<0.30	<0.46	<0.41	<0.34	<0.36	<0.25	<0.61	<2.0	<0.39	<0.33	<0.39	<0.43	<0.40	<0.36	<0.36	<0.44	<2.1
B-5A	10/13/2021	<0.46	<0.38	<0.40	<0.35	<0.41	<0.39	<0.30	<0.46	<0.41	<0.34	<0.36	<0.25	<0.61	<2.0	<0.39	<0.33	<0.39	<0.43	<0.40	<0.36	<0.36	<0.44	<2.1
B-6	08/03/2021	<0.46	<0.38	<0.40	<0.35	<0.41	<0.39	<0.30	<0.46	<0.41	<0.34	<0.36	<0.25	<0.61	<2.0	<0.39	<0.33	<0.39	<0.43	<0.40	<0.36	<0.36	<0.44	<2.1
B-6	10/13/2021	<0.46	<0.38	<0.40	<0.35	<0.41	<0.39	<0.30	<0.46	<0.41	<0.34	<0.36	<0.25	<0.61	<2.0	<0.39	<0.33	<0.39	<0.43	<0.40	<0.36	<0.36	<0.44	<2.1
B-9	08/03/2021	<0.46	<0.38	<0.40	<0.35	<0.41	<0.39	<0.30	<0.46	<0.41	<0.34	<0.36	<0.25	<0.61	<2.0	<0.39	<0.33	<0.39	<0.43	<0.40	<0.36	<0.36	<0.44	<2.1
B-9	10/13/2021	<0.46	<0.38	<0.40	<0.35	<0.41	<0.39	<0.30	<0.46	<0.41	<0.34	<0.36	<0.25	<0.61	<2.0	<0.39	<0.33	<0.39	<0.43	<0.40	<0.36	<0.36	<0.44	<2.1
B-11	08/03/2021	<0.46	<0.38	<0.40	<0.35	<0.41	<0.39	<0.30	<0.46	<0.41	<0.34	<0.36	<0.25	<0.61	<2.0	<0.39	<0.33	<0.39	<0.43	<0.40	<0.36	<0.36	<0.44	<2.1
B-11	10/13/2021	<0.46	<0.38	<0.40	<0.35	<0.41	<0.39	<0.30	<0.46	<0.41	<0.34	<0.36	<0.25	<0.61	<2.0	<0.39	<0.33	<0.39	<0.43	<0.40	<0.36	<0.36	<0.44	<2.1
B-12	08/03/2021	<0.46	<0.38	<0.40	<0.35	<0.41	<0.39	<0.30	<0.46	<0.41	<0.34	<0.36	<0.25	<0.61	<2.0	<0.39	<0.33	<0.39	<0.43	<0.40	<0.36	<0.36	<0.44	<2.1
B-12	10/13/2021	<0.46	<0.38	<0.40	<0.35	<0.41	<0.39	<0.30	<0.46	<0.41	<0.34	<0.36	<0.25	<0.61	<2.0	<0.39	<0.33	<0.39	<0.43	<0.40	<0.36	<0.36	<0.44	<2.1
MW-1	08/03/2021	<0.46	<0.38	<0.40	<0.35	<0.41	<0.39	<0.30	<0.46	<0.41	<0.34	<0.36	<0.25	<0.61	<2.0	<0.39	<0.33	<0.39	<0.43	<0.40	<0.36	<0.36	<0.44	<2.1
MW-1	10/14/2021	<0.46	<0.38	<0.40	<0.35	<0.41	<0.39	<0.30	<0.46	<0.41	<0.34	<0.36	<0.25	<0.61	<2.0	<0.39	<0.33	<0.39	<0.43	<0.40	<0.36	<0.36	<0.44	<2.1
MW-2	08/03/2021	<0.46	<0.38	<0.40	<0.35	<0.41	<0.39	<0.30	<0.46	<0.41	<0.34	<0.36	<0.25	<0.61	<2.0	<0.39	<0.33	<0.39	<0.43	<0.40	<0.36	<0.36	<0.44	<2.1
MW-2	10/14/2021	<0.46	<0.38	<0.40	<0.35	<0.41	<0.39	<0.30	<0.46	<0.41	<0.34	<0.36	<0.25	<0.61	<2.0	<0.39	<0.33	<0.39	<0.43	<0.40	<0.36	<0.36	<0.44	<2.1
MW-5	08/03/2021	<0.46	<0.38	<0.40	<0.35	<0.41	<0.39	<0.30	<0.46	<0.41	<0.34	<0.36	<0.25	<0.61	<2.0	<0.39	<0.33	0.56 J	<0.43	<0.40	<0.36	<0.36	<0.44	<2.1
MW-5	10/14/2021	<0.46	<0.38	<0.40	<0.35	<0.41	<0.39	<0.30	<0.46	<0.41	<0.34	<0.36	<0.25	<0.61	<2.0	<0.39	<0.33	<0.39	<0.43	<0.40	<0.36	<0.36	<0.44	<2.1
PZ-5	08/03/2021	<0.46	<0.38	<0.40	<0.35	<0.41	<0.39	<0.30	<0.46	<0.41	<0.34	<0.36	<0.25	<0.61	<2.0	<0.39	<0.33	1.0	<0.43	<0.40	<0.36	<0.36	<0.44	<2.1
PZ-5 DUP	08/03/2021	<0.46	<0.38	<0.40	<0.35	<0.41	<0.39	<0.30	<0.46	<0.41	<0.34	<0.36	<0.25	<0.61	<2.0	<0.39	<0.33	0.91 J	<0.43	<0.40	<0.36	<0.36	<0.44	<2.1
PZ-5	10/14/2021	<0.46	<0.38	<0.40	<0.35	<0.41	<0.39	<0.30	<0.46	<0.41	<0.34	<0.36	<0.25	<0.61	<2.0	<0.39	<0.33	0.88 J	<0.43	<0.40	<0.36	<0.36	<0.44	<2.1
PZ-5 DUP	10/14/2021	<0.46	<0.38	<0.40	<0.35	<0.41	<0.39	<0.30	<0.46	<0.41	<0.34	<0.36	<0.25	<0.61	<2.0	<0.39	<0.33	0.80 J	<0.43	<0.40	<0.36	<0.36	<0.44	<2.1
MW-8	08/03/2021	<0.46	<0.38	<0.40	<0.35	<0.41	<0.39	<0.30	<0.46	<0.41	<0.34	<0.36	<0.25	<0.61	<2.0	<0.39	<0.33	<0.39	<0.43	<0.40	<0.36	<0.36	<0.44	<2.1
MW-8	10/14/2021	<0.46	<0.38	<0.40	<0.35	<0.41	0.45 J	<0.30	<0.46	<0.41	<0.34	<0.36	<0.25	<0.61	<2.0	<0.39	<0.33	<0.39	<0.43	<0.40	<0.36	<0.36	<0.44	<2.1
PZ-8	08/03/2021	<0.46	<0.38	<0.40	<0.35	<0.41	<0.39	<0.30	<0.46	<0.41	<0.34	<0.36	<0.25	<0.61	<2.0	<0.39	<0.33	<0.39	<0.43	<0.40	<0.36	<0.36	<0.44	<2.1
PZ-8	10/14/2021	<0.46	<0.38	<0.40	<0.35	<0.41	<0.39	<0.30	<0.46	<0.41	<0.34	<0.36	<0.25	<0.61	<2.0	<0.39	<0.33	<0.39	<0.43	<0.40	<0.36	<0.36	<0.44	<2.1
MW-9	08/03/2021	<0.46	2.0	<0.40	<0.35	<0.41	<0.39	<0.30	<0.46	<0.41	<0.34	<0.36	<0.25	<0.61	<2.0	<0.39	<0.33	<0.39	<0.43	<0.40	<0.36	<0.36	<0.44	<2.1
MW-9	10/14/2021	<0.46	2.6	<0.40	<0.35	<0.41	<0.39	<0.30	<0.46	<0.41	<0.34	<0.36	<0.25	<0.61	<2.0	<0.39	<0.33	<0.39	<0.43	<0.40	<0.36	<0.36	<0.44	<2.1
MW-9 DUP	10/14/2021	<0.46	2.2	<0.40	<0.35	<0.41	<0.39	<0.30	<0.46	<0.41	<0.34	<0.36	<0.25	<0.61	<2.0	<0.39	<0.33	<0.39	<0.43	<0.40	<0.36	<0.36	<0.44	<2.1
PZ-9	08/03/2021	<0.46	<0.38	<0.40	<0.35	<0.41	<0.39	<0.30	<0.46	<0.41	<0.34	<0.36	<0.25	<0.61	<2.0	<0.39	<0.33	<0.39	<0.43	<0.40	<0.36	<0.36	<0.44	<2.1
PZ-9	10/14/2021	<0.46	<0.38	<0.40	<0.35	<0.41	<0.39	<0.30	<0.46	<0.41	<0.34	<0.36	<0.25	<0.61	<2.0	<0.39	<0.33	<0.39	<0.43	<0.40	<0.36	<0.36	<0.44	<2.1
MW-10	08/03/2021	<0.46	<0.38	<0.40	<0.35	<0.41	<0.39	<0.30	<0.46	<0.41	<0.34	<0.36	<0.25	<0.61	<2.0	<0.39	<0.33	**27**	<0.43	<0.40	<0.36	<0.36	<0.44	<2.1
MW-10	10/14/2021	<0.46	<0.38	<0.40	<0.35	<0.41	<0.39	<0.30	<0.46	<0.41	<0.34	<0.36	<0.25	<0.61	<2.0	<0.39	<0.33	**6.0**	<0.43	<0.40	<0.36	<0.36	<0.44	<2.1
PZ-10	08/03/2021	<0.46	<0.38	<0.40	<0.35	<0.41	<0.39	<0.30	<0.46	<0.41	<0.34	<0.36	<0.25	<0.61	<2.0	<0.39	<0.33	**89**	<0.43	<0.40	<0.36	<0.36	<0.44	<2.1
PZ-10	10/14/2021	<0.46	<0.38	<0.40	<0.35	<0.41	<0.39	<0.30	<0.46	<0.41	<0.34	<0.36	<0.25	<0.61	<2.0	<0.39	<0.33	**76**	<0.43	<0.40	<0.36	<0.36	<0.44	<2.1
MW-11	10/13/2021	<0.46	<0.38	<0.40	<0.35	<0.41	<0.39	<0.30	<0.46	<0.41	<0.34	<0.36	<0.25	<0.61	<2.0	<0.39	<0.33	**19**	<0.43	<0.40	<0.36	<0.36	<0.44	<2.1
MW-12	10/13/2021	<0.46	<0.38	<0.40	<0.35	<0.41	<0.39	<0.30	<0.46	<0.41	<0.34	<0.36	<0.25	<0.61	<2.0	<0.39	<0.33	0.86 J	<0.43	<0.40	<0.36	<0.36	<0.44	<2.1
PZ-12	10/13/2021	<0.46	<0.38	<0.40	<0.35	<0.41	<0.39	<0.30	<0.46	<0.41	<0.34	<0.36	<0.25	<0.61	<2.0	<0.39	<0.33	1.3	<0.43	<0.40	<0.36	<0.36	<0.44	<2.1
PZ-12 DUP	10/13/2021	<0.46	<0.38	<0.40	<0.35	<0.41	<0.39	<0.30	<0.46	<0.41	<0.34	<0.36	<0.25	<0.61	<2.0	<0.39	<0.33	1.2	<0.43	<0.40	<0.36	<0.36	<0.44	<2.1
MW-13	10/13/2021	<0.46	<0.38	<0.40	<0.35	<0.41	1.5	<0.30	<0.46	<0.41	<0.34	<0.36	<0.25	<0.61	<2.0	<0.39	<0.33	<0.39	<0.43	<0.40	<0.36	<0.36	<0.44	<2.1
PZ-13	10/13/2021	<0.46	<0.38	<0.40	<0.35	<0.41	<0.39	<0.30	<0.46	<0.41	<0.34	<0.36	<0.25	<0.61	<2.0	<0.39	<0.33	<0.39	<0.43	<0.40	<0.36	<0.36	<0.44	<2.1
MW-14	10/13/2021	<0.46	<0.38	<0.40	<0.35	<0.41	<0.39	<0.30	<0.46	<0.41	<0.34	<0.36	<0.25	<0.61	<2.0	<0.39	<0.33	<0.39	<0.43	<0.40	<0.36	<0.36	<0.44	<2.1
PZ-14	10/13/2021	<0.46	<0.38	<0.40	<0.35	<0.41	<0.39	<0.30	<0.46	<0.41	<0.34	<0.36	<0.25	<0.61	<2.0	<0.39	<0.33	<0.39	<0.43	<0.40	<0.36	<0.36	<0.44	<2.1

Table 7. 2021 Groundwater Analytical Results - VOCs

Former Mirro Plant No. 20
44 Walnut Street, Chilton, WI
BRRTS No.: 02-08-520157 (ERP) & 06-08-426946 (VPLE) FID: 408021130

		VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC
Sample Name	Sample Date	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,1-Dichloropropene	1,2,3-Trichlorobenzene	1,2,3-Trichloropropane	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Trimethylbenzenes, Total[1]	1,2-Dibromo-3-chloropropane	1,2-Dibromoethane	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloropropane	1,3-Dichlorobenzene	1,3-Dichloropropane	1,4-Dichlorobenzene	2,2-Dichloropropane	2-Butanone (MEK)
Reporting Units:		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
		Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
WI Groundwater ES:		**70**	**200**	**0.2**	**5**	**850**	**7**	**NS**	**NS**	**60**	**70**	**NS**	**NS**	**480**	**0.2**	**0.05**	**600**	**5**	**5**	**600**	**NS**	**75**	**NS**	**4,000**
WI Groundwater PAL:		7	40	0.02	0.5	85	0.7	NS	NS	12	14	NS	NS	96	0.02	0.005	60	0.5	0.5	120	NS	15	NS	800
OMPZ-3	08/03/2021	<0.46	<0.38	<0.40	<0.35	<0.41	<0.39	<0.30	<0.46	<0.41	<0.34	<0.36	<0.25	<0.61	<2.0	<0.39	<0.33	<0.39	<0.43	<0.40	<0.36	<0.36	<0.44	<2.1
OMPZ-3 DUP	08/03/2021	<0.46	<0.38	<0.40	<0.35	<0.41	<0.39	<0.30	<0.46	<0.41	<0.34	<0.36	<0.25	<0.61	<2.0	<0.39	<0.33	<0.39	<0.43	<0.40	<0.36	<0.36	<0.44	<2.1
OMPZ-3	10/14/2021	<0.46	<0.38	<0.40	<0.35	<0.41	<0.39	<0.30	<0.46	<0.41	<0.34	<0.36	<0.25	<0.61	<2.0	<0.39	<0.33	<0.39	<0.43	<0.40	<0.36	<0.36	<0.44	<2.1
OMPZ-4	08/03/2021	<0.46	<0.38	<0.40	<0.35	<0.41	<0.39	<0.30	<0.46	<0.41	<0.34	<0.36	<0.25	<0.61	<2.0	<0.39	<0.33	0.85 J	<0.43	<0.40	<0.36	<0.36	<0.44	<2.1
OMPZ-4	10/14/2021	<0.46	<0.38	<0.40	<0.35	<0.41	<0.39	<0.30	<0.46	<0.41	<0.34	<0.36	<0.25	<0.61	<2.0	<0.39	<0.33	0.80 J	<0.43	<0.40	<0.36	<0.36	<0.44	<2.1
Total Number of Samples Analyzed:		43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43
Number of Detections:		0	2	0	0	0	2	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0
Min:		NA	2	NA	NA	NA	0.45	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.56	NA	NA	NA	NA	NA	NA
Max:		NA	2.6	NA	NA	NA	1.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	89	NA	NA	NA	NA	NA	NA
WI Groundwater ES:		70	200	0.2	5	850	7	NS	NS	60	70	NS	NS	480	0.2	0.05	600	5	5	600	NS	75	NS	4,000
Exceedances for WI Groundwater ES:		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0
WI Groundwater PAL:		7	40	0.02	0.5	85	0.7	NS	NS	12	14	NS	NS	96	0.02	0.005	60	0.5	0.5	120	NS	15	NS	800
Exceedances for WI Groundwater PAL:		0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0

Notes:
Samples analyzed for VOCs, PAHs, RCRA Metals, and PFAS, however only VOC results are shown for the purposes of this submittal.

Bold	**attains or exceeds WI Groundwater ES**
Underlined	attains or exceeds WI Groundwater PAL
Gray Text	analyte not detected

Statistics exclude the quality control field duplicate samples (DUPs).

Results & Flags:
< = Concentration is less than the Limit of Detection (LOD)
B = analyte was detected in the associated method blank.
J = Estimated concentration
NA = Not Applicable

Lab comments and definitions can be found in associated laboratory reports.

Acronyms:
µg/L = micrograms per liter
BRRTS = Bureau for Remediation and Redevelopment Tracking System
DUP = Quality Control Field Duplicate Sample
ES = Enforcement Standard
FID = facility identification number
NS = No Screening Level
PAL = Preventive Action Limit
VOC = Volatile Organic Compound
WDNR = Wisconsin Department of Natural Resources
WI = Wisconsin

Superscripts:
1. Total trimethylbenzenes were calculated by Ramboll as follows:
   a. Where no detections were observed, the sum of the reporting limits is presented.
   b. Where detections were observed, only the detected results were added together for the total summation.
   c. Analytes used for the calculation are 1,2,4-Trimethylbenzene and 1,3,5-Trimethylbenzene.
2. 1,3-Dichloropropene was calculated by Ramboll as follows:
   a. Where no detections were observed, the sum of the reporting limits is presented.
   b. Where detections were observed, the detected results were added together for the total summation.
   c. cis-1,3-Dichloropropene and trans-1,3-Dichloropropene were used for the calculation.

Screening Levels:
PAL and ES from WI Administrative Code NR 140 groundwater quality standard revised effective February 2021.

Table 7. 2021 Groundwater Analytical Results - VOCs

Former Mirro Plant No. 20
44 Walnut Street, Chilton, WI
BRRTS No.: 02-08-520157 (ERP) & 06-08-426946 (VPLE) FID: 408021130

		VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC
Sample Name	Sample Date	2-Chlorotoluene	4-Chlorotoluene	4-Isopropyltoluene	Benzene	Bromobenzene	Bromochloromethane	Bromodichloromethane	Bromoform	Bromomethane	Carbon Tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	1,3-Dichloropropene[2]	Dibromochloromethane	Dibromomethane	Ethylbenzene	Freon 12	Hexachlorobutadiene	Isopropyl ether
	Reporting Units:	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
		Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
	WI Groundwater ES:	**NS**	**NS**	**NS**	**5**	**NS**	**NS**	**0.6**	**4.4**	**10**	**5**	**NS**	**400**	**6**	**30**	**70**	**NS**	**NS**	**0.4**	**60**	**NS**	**700**	**1,000**	**NS**	**NS**
	WI Groundwater PAL:	NS	NS	NS	0.5	NS	NS	0.06	0.44	1	0.5	NS	80	0.6	3	7	NS	NS	0.04	6	NS	140	200	NS	NS
B-5	08/03/2021	<0.31	<0.35	<0.36	<0.15	<0.36	<0.43	<0.37	<0.48	<0.80	<0.38	<0.39	<0.51	<0.37	<0.32	<0.41	<0.42	<0.36	<0.78	<0.49	<0.27	<0.18	<0.67	<0.45	<0.28
B-5	10/13/2021	<0.31	<0.35	<0.36	<0.15	<0.36	<0.43	<0.37	<0.48	<0.80	<0.38	<0.39	<0.51	<0.37	<0.32	<0.41	<0.42	<0.36	<0.78	<0.49	<0.27	<0.18	<0.67	<0.45	<0.28
B-5A	08/03/2021	<0.31	<0.35	<0.36	<0.15	<0.36	<0.43	<0.37	<0.48	<0.80	<0.38	<0.39	<0.51	<0.37	<0.32	<0.41	<0.42	<0.36	<0.78	<0.49	<0.27	<0.18	<0.67	<0.45	<0.28
B-5A	10/13/2021	<0.31	<0.35	<0.36	<0.15	<0.36	<0.43	<0.37	<0.48	<0.80	<0.38	<0.39	<0.51	0.41 J	<0.32	<0.41	<0.42	<0.36	<0.78	<0.49	<0.27	<0.18	<0.67	<0.45	<0.28
B-6	08/03/2021	<0.31	<0.35	<0.36	<0.15	<0.36	<0.43	<0.37	<0.48	<0.80	<0.38	<0.39	<0.51	<0.37	<0.32	<0.41	<0.42	<0.36	<0.78	<0.49	<0.27	<0.18	<0.67	<0.45	<0.28
B-6	10/13/2021	<0.31	<0.35	<0.36	<0.15	<0.36	<0.43	<0.37	<0.48	<0.80	<0.38	<0.39	<0.51	<0.37	<0.32	<0.41	<0.42	<0.36	<0.78	<0.49	<0.27	<0.18	<0.67	<0.45	<0.28
B-9	08/03/2021	<0.31	<0.35	<0.36	<0.15	<0.36	<0.43	<0.37	<0.48	<0.80	<0.38	<0.39	<0.51	<0.37	<0.32	<0.41	<0.42	<0.36	<0.78	<0.49	<0.27	<0.18	<0.67	<0.45	<0.28
B-9	10/13/2021	<0.31	<0.35	<0.36	<0.15	<0.36	<0.43	<0.37	<0.48	<0.80	<0.38	<0.39	<0.51	0.75 J	<0.32	<0.41	<0.42	<0.36	<0.78	<0.49	<0.27	<0.18	<0.67	<0.45	<0.28
B-11	08/03/2021	<0.31	<0.35	<0.36	<0.15	<0.36	<0.43	<0.37	<0.48	<0.80	<0.38	<0.39	<0.51	<0.37	<0.32	4.9	<0.42	<0.36	<0.78	<0.49	<0.27	<0.18	<0.67	<0.45	<0.28
B-11	10/13/2021	<0.31	<0.35	<0.36	<0.15	<0.36	<0.43	<0.37	<0.48	<0.80	<0.38	<0.39	<0.51	<0.37	<0.32	5.7	<0.42	<0.36	<0.78	<0.49	<0.27	<0.18	<0.67	<0.45	<0.28
B-12	08/03/2021	<0.31	<0.35	<0.36	<0.15	<0.36	<0.43	<0.37	<0.48	<0.80	<0.38	<0.39	<0.51	<0.37	0.49 J	51	<0.42	<0.36	<0.78	<0.49	<0.27	<0.18	<0.67	<0.45	<0.28
B-12	10/13/2021	<0.31	<0.35	<0.36	<0.15	<0.36	<0.43	<0.37	<0.48	<0.80	<0.38	<0.39	<0.51	<0.37	<0.32	36	<0.42	<0.36	<0.78	<0.49	<0.27	<0.18	<0.67	<0.45	<0.28
MW-1	08/03/2021	<0.31	<0.35	<0.36	<0.15	<0.36	<0.43	<0.37	<0.48	<0.80	<0.38	<0.39	<0.51	<0.37	<0.32	<0.41	<0.42	<0.36	<0.78	<0.49	<0.27	<0.18	<0.67	<0.45	<0.28
MW-1	10/14/2021	<0.31	<0.35	<0.36	<0.15	<0.36	<0.43	<0.37	<0.48	<0.80	<0.38	<0.39	<0.51	<0.37	<0.32	<0.41	<0.42	<0.36	<0.78	<0.49	<0.27	<0.18	<0.67	<0.45	<0.28
MW-2	08/03/2021	<0.31	<0.35	<0.36	<0.15	<0.36	<0.43	<0.37	<0.48	<0.80	<0.38	<0.39	<0.51	<0.37	<0.32	<0.41	<0.42	<0.36	<0.78	<0.49	<0.27	<0.18	<0.67	<0.45	<0.28
MW-2	10/14/2021	<0.31	<0.35	<0.36	<0.15	<0.36	<0.43	<0.37	<0.48	<0.80	<0.38	<0.39	<0.51	<0.37	<0.32	<0.41	<0.42	<0.36	<0.78	<0.49	<0.27	<0.18	<0.67	<0.45	<0.28
MW-5	08/03/2021	<0.31	<0.35	<0.36	<0.15	<0.36	<0.43	<0.37	<0.48	<0.80	<0.38	<0.39	<0.51	<0.37	<0.32	5.4	<0.42	<0.36	<0.78	<0.49	<0.27	<0.18	<0.67	<0.45	<0.28
MW-5	10/14/2021	<0.31	<0.35	<0.36	<0.15	<0.36	<0.43	<0.37	<0.48	<0.80	<0.38	<0.39	<0.51	<0.37	0.57 J	1.3	<0.42	<0.36	<0.78	<0.49	<0.27	<0.18	<0.67	<0.45	<0.28
PZ-5	08/03/2021	<0.31	<0.35	<0.36	<0.15	<0.36	<0.43	<0.37	<0.48	<0.80	<0.38	<0.39	<0.51	<0.37	<0.32	<0.41	<0.42	<0.36	<0.78	<0.49	<0.27	<0.18	<0.67	<0.45	<0.28
PZ-5 DUP	08/03/2021	<0.31	<0.35	<0.36	<0.15	<0.36	<0.43	<0.37	<0.48	<0.80	<0.38	<0.39	<0.51	<0.37	<0.32	<0.41	<0.42	<0.36	<0.78	<0.49	<0.27	<0.18	<0.67	<0.45	<0.28
PZ-5	10/14/2021	<0.31	<0.35	<0.36	<0.15	<0.36	<0.43	<0.37	<0.48	<0.80	<0.38	<0.39	<0.51	<0.37	0.36 J	<0.41	<0.42	<0.36	<0.78	<0.49	<0.27	<0.18	<0.67	<0.45	<0.28
PZ-5 DUP	10/14/2021	<0.31	<0.35	<0.36	<0.15	<0.36	<0.43	<0.37	<0.48	<0.80	<0.38	<0.39	<0.51	<0.37	0.64 J	<0.41	<0.42	<0.36	<0.78	<0.49	<0.27	<0.18	<0.67	<0.45	<0.28
MW-8	08/03/2021	<0.31	<0.35	<0.36	<0.15	<0.36	<0.43	<0.37	<0.48	<0.80	<0.38	<0.39	<0.51	<0.37	<0.32	**100**	<0.42	<0.36	<0.78	<0.49	<0.27	<0.18	<0.67	<0.45	<0.28
MW-8	10/14/2021	<0.31	<0.35	<0.36	<0.15	<0.36	<0.43	<0.37	<0.48	<0.80	<0.38	<0.39	<0.51	<0.37	<0.32	**180**	<0.42	<0.36	<0.78	<0.49	<0.27	<0.18	<0.67	<0.45	<0.28
PZ-8	08/03/2021	<0.31	<0.35	<0.36	<0.15	<0.36	<0.43	<0.37	<0.48	<0.80	<0.38	<0.39	<0.51	<0.37	<0.32	21	<0.42	<0.36	<0.78	<0.49	<0.27	<0.18	<0.67	<0.45	<0.28
PZ-8	10/14/2021	<0.31	<0.35	<0.36	<0.15	<0.36	<0.43	<0.37	<0.48	<0.80	<0.38	<0.39	<0.51	<0.37	<0.32	21	<0.42	<0.36	<0.78	<0.49	<0.27	<0.18	<0.67	<0.45	<0.28
MW-9	08/03/2021	<0.31	<0.35	<0.36	<0.15	<0.36	<0.43	<0.37	<0.48	<0.80	<0.38	<0.39	<0.51	<0.37	<0.32	<0.41	<0.42	<0.36	<0.78	<0.49	<0.27	<0.18	<0.67	<0.45	<0.28
MW-9	10/14/2021	<0.31	<0.35	<0.36	<0.15	<0.36	<0.43	<0.37	<0.48	<0.80	<0.38	<0.39	<0.51	0.48 J	<0.32	<0.41	<0.42	<0.36	<0.78	<0.49	<0.27	<0.18	<0.67	<0.45	<0.28
MW-9 DUP	10/14/2021	<0.31	<0.35	<0.36	<0.15	<0.36	<0.43	<0.37	<0.48	<0.80	<0.38	<0.39	<0.51	<0.37	<0.32	<0.41	<0.42	<0.36	<0.78	<0.49	<0.27	<0.18	<0.67	<0.45	<0.28
PZ-9	08/03/2021	<0.31	<0.35	<0.36	<0.15	<0.36	<0.43	<0.37	<0.48	<0.80	<0.38	<0.39	<0.51	<0.37	<0.32	33	<0.42	<0.36	<0.78	<0.49	<0.27	<0.18	<0.67	<0.45	<0.28
PZ-9	10/14/2021	<0.31	<0.35	<0.36	<0.15	<0.36	<0.43	<0.37	<0.48	<0.80	<0.38	<0.39	<0.51	<0.37	<0.32	56	<0.42	<0.36	<0.78	<0.49	<0.27	<0.18	<0.67	<0.45	<0.28
MW-10	08/03/2021	<0.31	<0.35	<0.36	<0.15	<0.36	<0.43	<0.37	<0.48	<0.80	<0.38	<0.39	<0.51	<0.37	<0.32	5.5	<0.42	<0.36	<0.78	<0.49	<0.27	<0.18	<0.67	<0.45	<0.28
MW-10	10/14/2021	<0.31	<0.35	<0.36	<0.15	<0.36	<0.43	<0.37	<0.48	<0.80	<0.38	<0.39	<0.51	<0.37	0.58 J	13	<0.42	<0.36	<0.78	<0.49	<0.27	<0.18	<0.67	<0.45	<0.28
PZ-10	08/03/2021	<0.31	<0.35	<0.36	0.24 J	<0.36	<0.43	<0.37	<0.48	<0.80	<0.38	<0.39	<0.51	<0.37	<0.32	21	<0.42	<0.36	<0.78	<0.49	<0.27	<0.18	<0.67	<0.45	<0.28
PZ-10	10/14/2021	<0.31	<0.35	<0.36	0.17 J	<0.36	<0.43	<0.37	<0.48	<0.80	<0.38	<0.39	<0.51	<0.37	<0.32	22	<0.42	<0.36	<0.78	<0.49	<0.27	<0.18	<0.67	<0.45	<0.28
MW-11	10/13/2021	<0.31	<0.35	<0.36	<0.15	<0.36	<0.43	<0.37	<0.48	<0.80	<0.38	<0.39	<0.51	<0.37	<0.32	5.8	<0.42	<0.36	<0.78	<0.49	<0.27	<0.18	<0.67	<0.45	<0.28
MW-12	10/13/2021	<0.31	<0.35	<0.36	<0.15	<0.36	<0.43	<0.37	<0.48	<0.80	<0.38	<0.39	<0.51	0.71 J	<0.32	<0.41	<0.42	<0.36	<0.78	<0.49	<0.27	<0.18	<0.67	<0.45	<0.28
PZ-12	10/13/2021	<0.31	<0.35	<0.36	<0.15	<0.36	<0.43	<0.37	<0.48	<0.80	<0.38	<0.39	<0.51	<0.37	<0.32	<0.41	<0.42	<0.36	<0.78	<0.49	<0.27	<0.18	<0.67	<0.45	<0.28
PZ-12 DUP	10/13/2021	<0.31	<0.35	<0.36	<0.15	<0.36	<0.43	<0.37	<0.48	<0.80	<0.38	<0.39	<0.51	<0.37	<0.32	<0.41	<0.42	<0.36	<0.78	<0.49	<0.27	<0.18	<0.67	<0.45	<0.28
MW-13	10/13/2021	<0.31	<0.35	<0.36	<0.15	<0.36	<0.43	<0.37	<0.48	<0.80	<0.38	<0.39	<0.51	0.40 J	<0.32	**690**	<0.42	<0.36	<0.78	<0.49	<0.27	<0.18	<0.67	<0.45	<0.28
PZ-13	10/13/2021	<0.31	<0.35	<0.36	<0.15	<0.36	<0.43	<0.37	<0.48	<0.80	<0.38	<0.39	<0.51	<0.37	<0.32	30	<0.42	<0.36	<0.78	<0.49	<0.27	<0.18	<0.67	<0.45	<0.28
MW-14	10/13/2021	<0.31	<0.35	<0.36	<0.15	<0.36	<0.43	<0.37	<0.48	<0.80	<0.38	<0.39	<0.51	<0.37	<0.32	**100**	<0.42	<0.36	<0.78	<0.49	<0.27	<0.18	<0.67	<0.45	<0.28
PZ-14	10/13/2021	<0.31	<0.35	<0.36	<0.15	<0.36	<0.43	<0.37	<0.48	<0.80	<0.38	<0.39	<0.51	<0.37	<0.32	28	<0.42	<0.36	<0.78	<0.49	<0.27	<0.18	<0.67	<0.45	<0.28

Table 7. 2021 Groundwater Analytical Results - VOCs

Former Mirro Plant No. 20
44 Walnut Street, Chilton, WI
BRRTS No.: 02-08-520157 (ERP) & 06-08-426946 (VPLE) FID: 408021130

Sample Name	Sample Date	VOC 2-Chlorotoluene	VOC 4-Chlorotoluene	VOC 4-Isopropyltoluene	VOC Benzene	VOC Bromobenzene	VOC Bromochloromethane	VOC Bromodichloromethane	VOC Bromoform	VOC Bromomethane	VOC Carbon Tetrachloride	VOC Chlorobenzene	VOC Chloroethane	VOC Chloroform	VOC Chloromethane	VOC cis-1,2-Dichloroethene	VOC cis-1,3-Dichloropropene	VOC trans-1,3-Dichloropropene	VOC 1,3-Dichloropropene[2]	VOC Dibromochloromethane	VOC Dibromomethane	VOC Ethylbenzene	VOC Freon 12	VOC Hexachlorobutadiene	VOC Isopropyl ether
Reporting Units:		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
		Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
WI Groundwater ES:		**NS**	**NS**	**NS**	**5**	**NS**	**NS**	**0.6**	**4.4**	**10**	**5**	**NS**	**400**	**6**	**30**	**70**	**NS**	**NS**	**0.4**	**60**	**NS**	**700**	**1,000**	**NS**	**NS**
WI Groundwater PAL:		NS	NS	NS	0.5	NS	NS	0.06	0.44	1	0.5	NS	80	0.6	3	7	NS	NS	0.04	6	NS	140	200	NS	NS
OMPZ-3	08/03/2021	<0.31	<0.35	<0.36	<0.15	<0.36	<0.43	<0.37	<0.48	<0.80	<0.38	<0.39	<0.51	<0.37	<0.32	**120**	<0.42	<0.36	<0.78	<0.49	<0.27	<0.18	<0.67	<0.45	<0.28
OMPZ-3 DUP	08/03/2021	<0.31	<0.35	<0.36	<0.15	<0.36	<0.43	<0.37	<0.48	<0.80	<0.38	<0.39	<0.51	<0.37	<0.32	**110**	<0.42	<0.36	<0.78	<0.49	<0.27	<0.18	<0.67	<0.45	<0.28
OMPZ-3	10/14/2021	<0.31	<0.35	<0.36	<0.15	<0.36	<0.43	<0.37	<0.48	<0.80	<0.38	<0.39	<0.51	<0.37	<0.32	**120**	<0.42	<0.36	<0.78	<0.49	<0.27	<0.18	<0.67	<0.45	<0.28
OMPZ-4	08/03/2021	<0.31	<0.35	<0.36	<0.15	<0.36	<0.43	<0.37	<0.48	<0.80	<0.38	<0.39	<0.51	<0.37	<0.32	<0.41	<0.42	<0.36	<0.78	<0.49	<0.27	<0.18	<0.67	<0.45	<0.28
OMPZ-4	10/14/2021	<0.31	<0.35	<0.36	<0.15	<0.36	<0.43	<0.37	<0.48	<0.80	<0.38	<0.39	<0.51	<0.37	<0.32	<0.41	<0.42	<0.36	<0.78	<0.49	<0.27	<0.18	<0.67	<0.45	<0.28
Total Number of Samples Analyzed:		43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43
Number of Detections:		0	0	0	2	0	0	0	0	0	0	0	0	5	4	23	0	0	0	0	0	0	0	0	0
Min:		NA	NA	NA	0.17	NA	NA	NA	NA	NA	NA	NA	NA	0.4	0.36	1.3	NA	NA	NA	NA	NA	NA	NA	NA	NA
Max:		NA	NA	NA	0.24	NA	NA	NA	NA	NA	NA	NA	NA	0.75	0.58	690	NA	NA	NA	NA	NA	NA	NA	NA	NA
WI Groundwater ES:		NS	NS	NS	5	NS	NS	0.6	4.4	10	5	NS	400	6	30	70	NS	NS	0.4	60	NS	700	1,000	NS	NS
Exceedances for WI Groundwater ES:		0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0
WI Groundwater PAL:		NS	NS	NS	0.5	NS	NS	0.06	0.44	1	0.5	NS	80	0.6	3	7	NS	NS	0.04	6	NS	140	200	NS	NS
Exceedances for WI Groundwater PAL:		0	0	0	0	0	0	0	0	0	0	0	0	2	0	17	0	0	0	0	0	0	0	0	0

Notes:
Samples analyzed for VOCs, PAHs, RCRA Metals, and PFAS, however only VOC results are shown for the purposes of this submittal.

Bold	**attains or exceeds WI Groundwater ES**
Underlined	attains or exceeds WI Groundwater PAL
Gray Text	analyte not detected

Statistics exclude the quality control field duplicate samples (DUPs).

Results & Flags:
< = Concentration is less than the Limit of Detection (LOD)
B = analyte was detected in the associated method blank.
J = Estimated concentration
NA = Not Applicable

Lab comments and definitions can be found in associated laboratory reports.

Acronyms:
µg/L = micrograms per liter
BRRTS = Bureau for Remediation and Redevelopment Tracking System
DUP = Quality Control Field Duplicate Sample
ES = Enforcement Standard
FID = facility identification number
NS = No Screening Level
PAL = Preventive Action Limit
VOC = Volatile Organic Compound
WDNR = Wisconsin Department of Natural Resources
WI = Wisconsin

Superscripts:
1. Total trimethylbenzenes were calculated by Ramboll as follows:
   a. Where no detections were observed, the sum of the reporting limits is presented.
   b. Where detections were observed, only the detected results were added together for the total summation.
   c. Analytes used for the calculation are 1,2,4-Trimethylbenzene and 1,3,5-Trimethylbenzene.
2. 1,3-Dichloropropene was calculated by Ramboll as follows:
   a. Where no detections were observed, the sum of the reporting limits is presented.
   b. Where detections were observed, the detected results were added together for the total summation.
   c. cis-1,3-Dichloropropene and trans-1,3-Dichloropropene were used for the calculation.

Screening Levels:
PAL and ES from WI Administrative Code NR 140 groundwater quality standard revised effective February 2021.

Table 7. 2021 Groundwater Analytical Results - VOCs

Former Mirro Plant No. 20
44 Walnut Street, Chilton, WI
BRRTS No.: 02-08-520157 (ERP) & 06-08-426946 (VPLE) FID: 408021130

		VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC
Sample Name	Sample Date	Isopropylbenzene	Methylene chloride (Dichloromethane)	Methyl-tert-butyl-ether	n-Butylbenzene	n-Propylbenzene	Naphthalene	sec-Butylbenzene	Styrene	tert-Butylbenzene	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Trichlorofluoromethane	Vinyl Chloride	Xylenes, Total
	Reporting Units:	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
		Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
	WI Groundwater ES:	**NS**	**5**	**60**	**NS**	**NS**	**100**	**NS**	**100**	**NS**	**5**	**800**	**100**	**5**	**NS**	**0.2**	**2,000**
	WI Groundwater PAL:	NS	0.5	12	NS	NS	10	NS	10	NS	0.5	160	20	0.5	NS	0.02	400
B-5	08/03/2021	<0.39	<1.6	<0.39	<0.39	<0.41	<0.34	<0.40	<0.39	<0.40	<0.37	0.18 J	<0.35	<0.16	<0.43	<0.20	<0.22
B-5	10/13/2021	<0.39	<1.6	<0.39	<0.39	<0.41	<0.34	<0.40	<0.39	<0.40	<0.37	<0.15	<0.35	0.33 J	<0.43	<0.20	<0.22
B-5A	08/03/2021	<0.39	<1.6	<0.39	<0.39	<0.41	<0.34	<0.40	<0.39	<0.40	<0.37	0.15 J	<0.35	<0.16	<0.43	<0.20	<0.22
B-5A	10/13/2021	<0.39	<1.6	<0.39	<0.39	<0.41	0.70 JB	<0.40	<0.39	<0.40	<0.37	<0.15	<0.35	<0.16	<0.43	<0.20	<0.22
B-6	08/03/2021	<0.39	<1.6	<0.39	<0.39	<0.41	<0.34	<0.40	<0.39	<0.40	<0.37	0.16 J	<0.35	<0.16	<0.43	<0.20	<0.22
B-6	10/13/2021	<0.39	<1.6	<0.39	<0.39	<0.41	<0.34	<0.40	<0.39	<0.40	<0.37	<0.15	<0.35	<0.16	<0.43	<0.20	<0.22
B-9	08/03/2021	<0.39	<1.6	<0.39	<0.39	<0.41	<0.34	<0.40	<0.39	<0.40	<0.37	<0.15	<0.35	<0.16	<0.43	<0.20	<0.22
B-9	10/13/2021	<0.39	<1.6	<0.39	<0.39	<0.41	0.55 JB	<0.40	<0.39	<0.40	<0.37	<0.15	<0.35	<0.16	<0.43	<0.20	<0.22
B-11	08/03/2021	<0.39	<1.6	<0.39	<0.39	<0.41	<0.34	<0.40	<0.39	<0.40	<0.37	0.15 J	<0.35	0.31 J	<0.43	<0.20	<0.22
B-11	10/13/2021	<0.39	<1.6	<0.39	<0.39	<0.41	0.81 JB	<0.40	<0.39	<0.40	<0.37	<0.15	<0.35	0.40 J	<0.43	<0.20	<0.22
B-12	08/03/2021	<0.39	<1.6	<0.39	<0.39	<0.41	<0.34	<0.40	<0.39	<0.40	2.7	0.16 J	1.0	**5.5**	<0.43	**0.22 J**	<0.22
B-12	10/13/2021	<0.39	<1.6	<0.39	<0.39	<0.41	0.58 JB	<0.40	<0.39	<0.40	4.8	<0.15	1.4	4.2	<0.43	<0.20	<0.22
MW-1	08/03/2021	<0.39	<1.6	<0.39	<0.39	<0.41	<0.34	<0.40	<0.39	<0.40	<0.37	<0.15	<0.35	<0.16	<0.43	<0.20	<0.22
MW-1	10/14/2021	<0.39	<1.6	<0.39	<0.39	<0.41	0.59 JB	<0.40	<0.39	<0.40	<0.37	<0.15	<0.35	<0.16	<0.43	<0.20	<0.22
MW-2	08/03/2021	<0.39	<1.6	<0.39	<0.39	<0.41	<0.34	<0.40	<0.39	<0.40	<0.37	0.15 J	<0.35	<0.16	<0.43	<0.20	<0.22
MW-2	10/14/2021	<0.39	<1.6	<0.39	<0.39	<0.41	<0.34	<0.40	<0.39	<0.40	<0.37	<0.15	<0.35	<0.16	<0.43	<0.20	<0.22
MW-5	08/03/2021	<0.39	<1.6	<0.39	<0.39	<0.41	<0.34	<0.40	<0.39	<0.40	<0.37	0.15 J	<0.35	<0.16	<0.43	<0.20	<0.22
MW-5	10/14/2021	<0.39	<1.6	<0.39	<0.39	<0.41	<0.34	<0.40	<0.39	<0.40	<0.37	<0.15	<0.35	<0.16	<0.43	<0.20	<0.22
PZ-5	08/03/2021	<0.39	<1.6	<0.39	<0.39	<0.41	<0.34	<0.40	<0.39	<0.40	<0.37	0.17 J	<0.35	1.2	<0.43	<0.20	<0.22
PZ-5 DUP	08/03/2021	<0.39	<1.6	<0.39	<0.39	<0.41	<0.34	<0.40	<0.39	<0.40	<0.37	0.17 J	<0.35	1.2	<0.43	<0.20	<0.22
PZ-5	10/14/2021	<0.39	<1.6	<0.39	<0.39	<0.41	<0.34	<0.40	<0.39	<0.40	<0.37	<0.15	<0.35	1.2	<0.43	<0.20	<0.22
PZ-5 DUP	10/14/2021	<0.39	<1.6	<0.39	<0.39	<0.41	<0.34	<0.40	<0.39	<0.40	<0.37	<0.15	<0.35	1.5	<0.43	<0.20	<0.22
MW-8	08/03/2021	<0.39	<1.6	<0.39	<0.39	<0.41	<0.34	<0.40	<0.39	<0.40	**15**	<0.15	1.7	**8.5**	<0.43	**3.2**	<0.22
MW-8	10/14/2021	<0.39	<1.6	<0.39	<0.39	<0.41	<0.34	<0.40	<0.39	<0.40	**15**	<0.15	3.9	**17**	<0.43	**1.2**	<0.22
PZ-8	08/03/2021	<0.39	<1.6	<0.39	<0.39	<0.41	<0.34	<0.40	<0.39	<0.40	<0.37	0.15 J	0.76 J	<0.16	<0.43	<0.20	<0.22
PZ-8	10/14/2021	<0.39	<1.6	<0.39	<0.39	<0.41	<0.34	<0.40	<0.39	<0.40	<0.37	<0.15	0.93 J	<0.16	<0.43	<0.20	<0.22
MW-9	08/03/2021	<0.39	<1.6	<0.39	<0.39	<0.41	<0.34	<0.40	<0.39	<0.40	<0.37	0.16 J	<0.35	<0.16	<0.43	<0.20	<0.22
MW-9	10/14/2021	<0.39	<1.6	<0.39	<0.39	<0.41	<0.34	<0.40	<0.39	<0.40	<0.37	<0.15	<0.35	<0.16	<0.43	<0.20	<0.22
MW-9 DUP	10/14/2021	<0.39	<1.6	<0.39	<0.39	<0.41	0.39 JB	<0.40	<0.39	<0.40	<0.37	<0.15	<0.35	<0.16	<0.43	<0.20	<0.22
PZ-9	08/03/2021	<0.39	<1.6	<0.39	<0.39	<0.41	<0.34	<0.40	<0.39	<0.40	**130**	<0.15	0.64 J	**59**	<0.43	<0.20	<0.22
PZ-9	10/14/2021	<0.39	<1.6	<0.39	<0.39	<0.41	<0.34	<0.40	<0.39	<0.40	**180**	<0.15	1.1	**94**	<0.43	**0.26 J**	<0.22
MW-10	08/03/2021	<0.39	<1.6	<0.39	<0.39	<0.41	<0.34	<0.40	<0.39	<0.40	<0.37	0.16 J	<0.35	<0.16	<0.43	**0.74 J**	<0.22
MW-10	10/14/2021	<0.39	<1.6	<0.39	<0.39	<0.41	<0.34	<0.40	<0.39	<0.40	<0.37	<0.15	<0.35	<0.16	<0.43	**1.5**	<0.22
PZ-10	08/03/2021	<0.39	<1.6	<0.39	<0.39	<0.41	<0.34	<0.40	<0.39	<0.40	<0.37	0.23 J	0.55 J	0.23 J	<0.43	**1.3**	<0.22
PZ-10	10/14/2021	<0.39	<1.6	<0.39	<0.39	<0.41	<0.34	<0.40	<0.39	<0.40	<0.37	<0.15	<0.35	0.23 J	<0.43	**1.4**	<0.22
MW-11	10/13/2021	<0.39	<1.6	<0.39	<0.39	<0.41	0.69 JB	<0.40	<0.39	<0.40	<0.37	<0.15	<0.35	<0.16	<0.43	<0.20	<0.22
MW-12	10/13/2021	<0.39	<1.6	<0.39	<0.39	<0.41	0.71 JB	<0.40	<0.39	<0.40	<0.37	<0.15	<0.35	<0.16	<0.43	<0.20	<0.22
PZ-12	10/13/2021	<0.39	<1.6	<0.39	<0.39	<0.41	0.65 JB	<0.40	<0.39	<0.40	<0.37	<0.15	<0.35	<0.16	<0.43	<0.20	<0.22
PZ-12 DUP	10/13/2021	<0.39	<1.6	<0.39	<0.39	<0.41	0.66 JB	<0.40	<0.39	<0.40	<0.37	<0.15	<0.35	<0.16	<0.43	<0.20	<0.22
MW-13	10/13/2021	<0.39	<1.6	<0.39	<0.39	<0.41	0.60 JB	<0.40	<0.39	<0.40	**110**	<0.15	7.5	**70**	<0.43	<0.20	<0.22
PZ-13	10/13/2021	<0.39	<1.6	<0.39	<0.39	<0.41	0.52 JB	<0.40	<0.39	<0.40	**12**	<0.15	0.92 J	2.0	<0.43	<0.20	<0.22
MW-14	10/13/2021	<0.39	<1.6	<0.39	<0.39	<0.41	0.49 JB	<0.40	<0.39	<0.40	**7.7**	<0.15	4.4	**14**	<0.43	<0.20	<0.22
PZ-14	10/13/2021	<0.39	<1.6	<0.39	<0.39	<0.41	0.47 JB	<0.40	<0.39	<0.40	<0.37	<0.15	1.1	3.2	<0.43	<0.20	<0.22

Table 7. 2021 Groundwater Analytical Results - VOCs

Former Mirro Plant No. 20
44 Walnut Street, Chilton, WI
BRRTS No.: 02-08-520157 (ERP) & 06-08-426946 (VPLE) FID: 408021130

		VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC
Sample Name	Sample Date	Isopropylbenzene	Methylene chloride (Dichloromethane)	Methyl-tert-butyl-ether	n-Butylbenzene	n-Propylbenzene	Naphthalene	sec-Butylbenzene	Styrene	tert-Butylbenzene	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Trichlorofluoromethane	Vinyl Chloride	Xylenes, Total
	Reporting Units:	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
		Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
	WI Groundwater ES:	**NS**	**5**	**60**	**NS**	**NS**	**100**	**NS**	**100**	**NS**	**5**	**800**	**100**	**5**	**NS**	**0.2**	**2,000**
	WI Groundwater PAL:	NS	0.5	12	NS	NS	10	NS	10	NS	0.5	160	20	0.5	NS	0.02	400
OMPZ-3	08/03/2021	<0.39	<1.6	<0.39	<0.39	<0.41	<0.34	<0.40	<0.39	<0.40	**8.8**	0.18 J	6.9	**7.9**	<0.43	<0.20	<0.22
OMPZ-3 DUP	08/03/2021	<0.39	<1.6	<0.39	<0.39	<0.41	<0.34	<0.40	<0.39	<0.40	**8.4**	0.16 J	6.5	**7.6**	<0.43	<0.20	<0.22
OMPZ-3	10/14/2021	<0.39	<1.6	<0.39	<0.39	<0.41	<0.34	<0.40	<0.39	<0.40	**9.6**	<0.15	7.7	**7.2**	<0.43	<0.20	<0.22
OMPZ-4	08/03/2021	<0.39	<1.6	<0.39	<0.39	<0.41	<0.34	<0.40	<0.39	<0.40	<0.37	0.15 J	<0.35	0.19 J	<0.43	<0.20	<0.22
OMPZ-4	10/14/2021	<0.39	<1.6	<0.39	<0.39	<0.41	<0.34	<0.40	<0.39	<0.40	<0.37	<0.15	<0.35	<0.16	<0.43	<0.20	<0.22
Total Number of Samples Analyzed:		43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43
Number of Detections:		0	0	0	0	0	12	0	0	0	11	14	15	20	0	8	0
Min:		NA	NA	NA	NA	NA	0.47	NA	NA	NA	2.7	0.15	0.55	0.19	NA	0.22	NA
Max:		NA	NA	NA	NA	NA	0.81	NA	NA	NA	180	0.23	7.7	94	NA	3.2	NA
WI Groundwater ES:		NS	5	60	NS	NS	100	NS	100	NS	5	800	100	5	NS	0.2	2,000
Exceedances for WI Groundwater ES:		0	0	0	0	0	0	0	0	0	9	0	0	9	0	8	0
WI Groundwater PAL:		NS	0.5	12	NS	NS	10	NS	10	NS	0.5	160	20	0.5	NS	0.02	400
Exceedances for WI Groundwater PAL:		0	0	0	0	0	0	0	0	0	11	0	0	14	0	8	0

[O:MGP 11/1/2021]

Notes:
Samples analyzed for VOCs, PAHs, RCRA Metals, and PFAS, however only VOC results are shown for the purposes of this submittal.

Bold	**attains or exceeds WI Groundwater ES**
Underlined	attains or exceeds WI Groundwater PAL
Gray Text	analyte not detected

Statistics exclude the quality control field duplicate samples (DUPs).

Results & Flags:
< = Concentration is less than the Limit of Detection (LOD)
B = analyte was detected in the associated method blank.
J = Estimated concentration
NA = Not Applicable

Lab comments and definitions can be found in associated laboratory reports.

Acronyms:
µg/L = micrograms per liter
BRRTS = Bureau for Remediation and Redevelopment Tracking System
DUP = Quality Control Field Duplicate Sample
ES = Enforcement Standard
FID = facility identification number
NS = No Screening Level
PAL = Preventive Action Limit
VOC = Volatile Organic Compound
WDNR = Wisconsin Department of Natural Resources
WI = Wisconsin

Superscripts:
1. Total trimethylbenzenes were calculated by Ramboll as follows:
   a. Where no detections were observed, the sum of the reporting limits is presented.
   b. Where detections were observed, only the detected results were added together for the total summation.
   c. Analytes used for the calculation are 1,2,4-Trimethylbenzene and 1,3,5-Trimethylbenzene.
2. 1,3-Dichloropropene was calculated by Ramboll as follows:
   a. Where no detections were observed, the sum of the reporting limits is presented.
   b. Where detections were observed, the detected results were added together for the total summation.
   c. cis-1,3-Dichloropropene and trans-1,3-Dichloropropene were used for the calculation.

Screening Levels:
PAL and ES from WI Administrative Code NR 140 groundwater quality standard revised effective February 2021.

Table 8. Soil Sample Analytical Results (2021)

Former Mirro Plant No. 20
44 Walnut Street, Chilton, WI
BRRTS No.: 02-08-520157 (ERP) & 06-08-426946 (VPLE) FID: 408021130

Station Name	Sample ID	Sample Depth (feet bgs)	Sample Date	VOC 1,1,1,2-Tetrachloroethane	VOC 1,1,1-Trichloroethane	VOC 1,1,2,2-Tetrachloroethane	VOC 1,1,2-Trichloroethane	VOC 1,1-Dichloroethane	VOC 1,1-Dichloroethene	VOC 1,1-Dichloropropene	VOC 1,2,3-Trichlorobenzene	VOC 1,2,3-Trichloropropane	VOC 1,2,4-Trichlorobenzene	VOC 1,2-Dibromo-3-chloropropane	VOC 1,2-Dibromoethane	VOC 1,2-Dichlorobenzene	VOC 1,2-Dichloroethane	VOC 1,2-Dichloropropane	VOC 1,2,4-Trimethylbenzene	VOC 1,3,5-Trimethylbenzene	VOC Trimethylbenzenes, Total[1]	VOC 1,3-Dichlorobenzene	VOC 1,3-Dichloropropane	VOC 1,4-Dichlorobenzene	VOC 2,2-Dichloropropane	VOC 2-Butanone (MEK)	VOC 2-Chlorotoluene	VOC 4-Chlorotoluene	VOC 4-Isopropyltoluene
			Reporting Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
			WI Soil GW Pathways DF 2:	*0.0534*	*0.1402*	*0.0002*	*0.0032*	*0.4834*	*0.005*	*NS*	*NS*	*0.0519*	*0.408*	*0.0002*	*2.82E-05*	*1.168*	*0.0028*	*0.00332*	*NS*	*NS*	*1.3787*	*1.1528*	*NS*	*0.144*	*NS*	*1.6661*	*NS*	*NS*	*NS*
			WI Soil Industrial RCLs:	**12.3**	**640**	**3.6**	**7.01**	**22.2**	**1,190**	**NS**	**934**	**0.109**	**113**	**0.0923**	**0.221**	**376**	**2.87**	**15**	**219**	**182**	**182**	**297**	**1490**	**16.4**	**191**	**28400**	**907**	**253**	**162**
			WI Soil Non-Industrial RCLs:	2.78	640	0.81	1.59	5.06	320	NS	62.6	0.0051	24	0.0075	0.05	376	0.652	3.4	219	182	182	297	1490	3.74	191	28400	907	253	162
MW-11	MW-11 (0-4)	0-4	09/20/2021	<0.041	<0.034	<0.035	<0.031	<0.036	<0.035	<0.026	<0.041	<0.037	<0.030	<0.180	<0.034	<0.030	<0.035	<0.038	<0.032	<0.034	<0.066	<0.035	<0.032	<0.032	<0.039	<0.190	<0.028	<0.031	<0.032
MW-12	MW-12 (2-4)	2-4	09/20/2021	<0.042	<0.035	<0.036	<0.032	<0.037	<0.035	<0.027	<0.042	<0.038	<0.031	<0.180	<0.035	<0.030	<0.036	<0.039	<0.033	<0.035	<0.066	<0.036	<0.033	<0.033	<0.040	<0.190	<0.029	<0.032	<0.033
PZ-13	PZ-13 (2-4)	2-4	09/21/2021	<0.028	<0.023	<0.025	<0.022	<0.025	<0.024	<0.018	<0.028	<0.025	<0.021	<0.120	<0.024	<0.021	<0.024	<0.026	<0.022	<0.023	<0.045	<0.025	<0.022	<0.022	<0.027	<0.130	<0.019	<0.022	<0.022
PZ-14	PZ-14 (2-4)	2-4	09/22/2021	<0.032	<0.027	<0.028	<0.025	<0.029	<0.027	<0.021	<0.032	<0.029	<0.024	<0.140	<0.027	<0.023	<0.027	<0.030	<0.025	<0.027	<0.052	<0.028	<0.025	<0.025	<0.031	<0.150	<0.022	<0.025	<0.025
PZ-14	PZ-14 (5-6)	5-6	09/22/2021	<0.035	<0.029	<0.030	<0.027	<0.031	<0.030	<0.023	<0.035	<0.031	<0.026	<0.150	<0.029	<0.025	<0.030	<0.032	<0.027	<0.029	<0.057	<0.030	<0.027	<0.028	<0.034	<0.160	<0.024	<0.027	<0.027
SB-100	SB-100 (2-4)	2-4	09/20/2021	<0.033	<0.027	<0.028	<0.025	<0.029	<0.028	<0.021	<0.033	<0.029	<0.024	<0.140	<0.027	<0.024	<0.028	<0.030	<0.025	<0.027	<0.052	<0.028	<0.026	<0.026	<0.032	<0.150	<0.022	<0.025	<0.026
SB-101	SB-101 (2-4)	2-4	09/21/2021	<0.040	<0.033	<0.034	<0.030	<0.035	<0.034	<0.026	<0.040	<0.036	<0.030	<0.170	<0.033	<0.029	<0.034	<0.037	<0.031	<0.033	<0.064	<0.035	<0.031	<0.031	<0.038	<0.180	<0.027	<0.030	<0.031
SB-102	SB-102 (2-4)	2-4	09/21/2021	<0.039	<0.032	<0.034	<0.030	<0.035	<0.033	<0.025	<0.039	<0.035	<0.029	<0.170	<0.033	<0.028	<0.033	<0.036	<0.030	<0.032	<0.062	<0.034	<0.031	<0.031	<0.038	<0.180	<0.027	<0.030	<0.031
SB-103	SB-103 (1.5-3.5)	1.5-3.5	09/21/2021	<0.038	<0.031	<0.033	<0.029	<0.034	<0.032	<0.024	<0.038	<0.034	<0.028	<0.160	<0.032	<0.027	<0.032	<0.035	<0.029	<0.031	<0.060	<0.033	<0.030	<0.030	<0.036	<0.170	<0.026	<0.029	<0.030
SB-104	SB-104 (2-4)	2-4	09/21/2021	<0.042	<0.034	<0.036	<0.032	<0.037	<0.035	<0.027	<0.041	<0.037	<0.031	<0.180	<0.035	<0.030	<0.035	<0.039	<0.032	<0.034	<0.066	<0.036	<0.033	<0.033	<0.040	<0.190	<0.028	<0.032	<0.033
SB-105	SB-105 (2-4)	2-4	09/21/2021	<0.042	<0.034	<0.036	<0.032	<0.037	<0.035	<0.027	<0.041	<0.037	<0.031	<0.180	<0.035	<0.030	<0.035	<0.039	<0.032	<0.034	<0.066	<0.036	<0.033	<0.033	<0.040	<0.190	<0.028	<0.032	<0.033
SB-106	SB-106 (2-4)	2-4	09/21/2021	<0.043	<0.035	<0.037	<0.033	<0.038	<0.036	<0.028	<0.043	<0.039	<0.032	<0.190	<0.036	<0.031	<0.037	<0.040	<0.033	<0.035	<0.068	<0.037	<0.034	<0.034	<0.041	<0.200	<0.029	<0.033	<0.034
SB-107	SB-107 (2-4)	2-4	09/21/2021	<0.035	<0.029	<0.030	<0.027	<0.031	<0.029	<0.023	<0.035	<0.031	<0.026	<0.150	<0.029	<0.025	<0.030	<0.032	<0.027	<0.029	<0.057	<0.030	<0.027	<0.028	<0.034	<0.160	<0.024	<0.026	<0.027
SB-108	SB-108 (2-4)	2-4	09/21/2021	<0.038	<0.031	<0.032	<0.029	<0.033	<0.032	<0.024	<0.037	<0.034	<0.028	<0.160	<0.031	<0.027	<0.032	<0.035	<0.029	<0.031	<0.060	<0.033	<0.030	<0.030	<0.036	<0.170	<0.026	<0.029	<0.030

Total Number of Samples Analyzed:	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
Number of Detections:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Min:	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Max:	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
WI Soil GW Pathways DF 2:	0.0534	0.1402	0.0002	0.0032	0.4834	0.005	NS	NS	0.0519	0.408	0.0002	2.82E-05	1.168	0.0028	0.00332	NS	NS	1.3787	1.1528	NS	0.144	NS	1.6661	NS	NS	NS
Number of Samples that Exceed WI Soil GW Pathways DF 2 SL:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WI Soil Industrial RCLs:	12.3	640	3.6	7.01	22.2	1,190	NS	934	0.109	113	0.0923	0.221	376	2.87	15	219	182	182	297	1,490	16.4	191	28,400	907	253	162
Number of Samples that ExceedWI Soil Industrial RCLs SL:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WI Soil Non-Industrial RCLs:	2.78	640	0.81	1.59	5.06	320	NS	62.6	0.0051	24	0.0075	0.05	376	0.652	3.4	219	182	182	297	1,490	3.74	191	28,400	907	253	162
Number of Samples that Exceed WI Soil Non-Industrial RCLs SL:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Notes:

Italic	*exceeds the Soil-to-Groundwater Pathway RCL (DF 2)*
Bold	**exceeds the WI Soil Industrial DC RCLs**
Underline	exceeds the WI Soil Non-Industrial DC RCLs
Gray Text	analyte not detected

Soil Industrial Direct Contact RCLs were compared to soil results collected 0 to 4 feet BGS.
Soil-to-Groundwater Pathway RCLs were compared to all soil results.

Lab comments, additional data qualifiers and definitions can be found in associated laboratory reports.

Results & Flags:
< = Concentration is less than reported limit
J = Estimated Concentration
NA = Not Applicable

Acronyms:
BGS = Below ground surface
BRRTS = Bureau for Remediation and Redevelopment Tracking System
DC (or D-C) = Direct-Contact
DF 2 = Dilution Factor of 2

Acronyms:
FID = facility identification number
mg/kg = milligrams per kilogram
NS = No Standard
RCL = Soil Residual Contaminant Level
USGS = United States Geological Survey
VOC = Volatile Organic Compound
WDNR = Wisconsin Department of Natural Resources
WI = Wisconsin

Screening Levels:
Screening criteria are derived from the WDNR NR720 Soil RR (Remediation and Redevelopment Program) RCLs last updated December 2018.
Groundwater Pathway RCLs are based on a Dilution Factor of 2 (DF 2).

Superscript Notes:
1. Total Trimethylbenzenes were calculated by Ramboll as follows:
   a. Where no detections were observed, the sum of the reporting limits is presented.
   b. Where detections were observed, only the detected results were added together for summation.
   c. Analytes used for the calculation are 1,2,4-Trimethylbenzene and 1,3,5-Trimethylbenzene.

Table 8. Soil Sample Analytical Results (2021)

Former Mirro Plant No. 20
44 Walnut Street, Chilton, WI
BRRTS No.: 02-08-520157 (ERP) & 06-08-426946 (VPLE) FID: 408021130

				VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	BTEX	VOC	VOC	SVOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC
Station Name	Sample ID	Sample Depth (feet bgs)	Sample Date	Benzene	Bromobenzene	Bromochloromethane	Bromodichloromethane	Bromoform	Bromomethane	Carbon Tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	cis-1,3-Dichloropropene	Dibromochloromethane	Ethylbenzene	Dibromomethane	Freon 12	Hexachlorobutadiene	Isopropyl ether	Isopropylbenzene	Methylene chloride (Dichloromethane, DCM)	Methyl-tert-butyl-ether	n-Butylbenzene	n-Propylbenzene	Naphthalene
		Reporting Units:		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		WI Soil GW Pathways DF 2:		*0.0051*	*NS*	*NS*	*0.0003*	*0.0023*	*0.0051*	*0.0039*	*0.1358*	*0.2266*	*0.0033*	*0.0155*	*0.0412*	*NS*	*0.032*	*1.57*	*NS*	*3.0863*	*NS*	*NS*	*NS*	*0.0026*	*0.027*	*NS*	*NS*	*0.6582*
		WI Soil Industrial RCLs:		**7.07**	**679**	**906**	**1.83**	**113**	**43**	**4.03**	**761**	**2120**	**2**	**669**	**2340**	**1,210**	**39**	**35.4**	**143**	**530**	**7.19**	**2260**	**268**	**1,150**	**282**	**108**	**264**	**24.1**
		WI Soil Non-Industrial RCLs:		1.6	342	216	0.418	25.4	9.6	0.916	370	2120	0	159	156	1210	8	8.02	34	126	1.63	2260	268	62	63.8	108	264	5.52
MW-11	MW-11 (0-4)	0-4	09/20/2021	<0.013	<0.032	<0.038	<0.033	<0.043	<0.071	<0.034	<0.034	<0.045	<0.033	<0.028	<0.036	<0.037	<0.043	<0.016	<0.024	<0.060	<0.040	<0.024	<0.034	<0.140	<0.035	<0.034	<0.037	<0.030
MW-12	MW-12 (2-4)	2-4	09/20/2021	<0.013	<0.032	<0.039	<0.034	<0.044	<0.072	<0.035	<0.035	<0.046	<0.034	<0.029	<0.037	<0.038	<0.044	<0.017	<0.025	<0.061	<0.041	<0.025	<0.035	<0.150	<0.036	<0.035	<0.038	<0.030
PZ-13	PZ-13 (2-4)	2-4	09/21/2021	<0.0090	<0.022	<0.026	<0.023	<0.030	<0.049	<0.024	<0.024	<0.031	<0.023	<0.020	<0.025	<0.026	<0.030	<0.011	<0.017	<0.041	<0.027	<0.017	<0.024	<0.100	<0.024	<0.024	<0.025	<0.021
PZ-14	PZ-14 (2-4)	2-4	09/22/2021	<0.010	<0.025	<0.030	<0.026	<0.034	<0.056	<0.027	<0.027	<0.035	<0.026	<0.022	<0.029	<0.029	<0.034	<0.013	<0.019	<0.047	<0.031	<0.019	<0.027	<0.110	<0.028	<0.027	<0.029	<0.023
PZ-14	PZ-14 (5-6)	5-6	09/22/2021	<0.011	<0.027	<0.032	<0.028	<0.037	<0.060	<0.029	<0.029	<0.038	<0.028	<0.024	<0.031	<0.032	<0.037	<0.014	<0.020	<0.051	<0.034	<0.021	<0.029	<0.120	<0.030	<0.029	<0.031	<0.025
SB-100	SB-100 (2-4)	2-4	09/20/2021	<0.010	<0.025	<0.030	<0.026	<0.034	<0.057	<0.027	<0.027	<0.036	<0.026	<0.023	<0.029	<0.030	<0.035	<0.013	<0.019	<0.048	<0.032	<0.020	<0.027	<0.120	<0.028	<0.028	<0.029	<0.024
SB-101	SB-101 (2-4)	2-4	09/21/2021	<0.013	<0.031	<0.037	<0.032	<0.042	<0.069	<0.033	<0.033	<0.044	<0.032	<0.028	<0.035	<0.036	<0.042	<0.016	<0.023	<0.058	<0.039	<0.024	<0.033	<0.140	<0.034	<0.034	<0.036	<0.029
SB-102	SB-102 (2-4)	2-4	09/21/2021	<0.012	<0.030	<0.036	<0.032	<0.041	<0.068	<0.033	<0.033	<0.043	<0.031	<0.027	<0.035	<0.035	<0.041	<0.016	<0.023	<0.057	<0.038	<0.023	<0.033	<0.140	<0.033	<0.033	<0.035	<0.028
SB-103	SB-103 (1.5-3.5)	1.5-3.5	09/21/2021	<0.012	<0.029	<0.035	<0.031	<0.040	<0.065	<0.031	<0.032	<0.041	<0.030	<0.026	<0.033	<0.034	<0.040	<0.015	<0.022	<0.055	<0.037	<0.023	<0.031	<0.130	<0.032	<0.032	<0.034	<0.027
SB-104	SB-104 (2-4)	2-4	09/21/2021	<0.013	<0.032	<0.039	<0.034	<0.044	<0.072	<0.035	<0.035	<0.045	<0.033	<0.029	<0.037	<0.038	<0.044	<0.017	<0.024	<0.061	<0.040	<0.025	<0.035	<0.150	<0.036	<0.035	<0.037	<0.030
SB-105	SB-105 (2-4)	2-4	09/21/2021	*0.039*	<0.032	<0.039	<0.034	<0.044	<0.072	<0.035	<0.035	<0.046	<0.033	<0.029	<0.037	<0.038	<0.044	0.018	<0.024	<0.061	<0.040	<0.025	<0.035	<0.150	<0.036	<0.035	<0.037	0.035 J
SB-106	SB-106 (2-4)	2-4	09/21/2021	*0.015*	<0.033	<0.040	<0.035	<0.045	<0.074	<0.036	<0.036	<0.047	<0.035	<0.030	<0.038	<0.039	<0.046	<0.017	<0.025	<0.063	<0.042	<0.026	<0.036	<0.150	<0.037	<0.036	<0.039	<0.031
SB-107	SB-107 (2-4)	2-4	09/21/2021	<0.011	<0.027	<0.032	<0.028	<0.037	<0.060	<0.029	<0.029	<0.038	<0.028	<0.024	<0.031	<0.031	<0.037	<0.014	<0.020	<0.051	<0.034	<0.021	<0.029	<0.120	<0.030	<0.029	<0.031	<0.025
SB-108	SB-108 (2-4)	2-4	09/21/2021	<0.012	<0.029	<0.035	<0.030	<0.039	<0.065	<0.031	<0.031	<0.041	<0.030	<0.026	<0.033	<0.034	<0.040	<0.015	<0.022	<0.055	<0.036	<0.023	<0.031	<0.130	<0.032	<0.032	<0.034	<0.027

Total Number of Samples Analyzed:	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
Number of Detections:	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
Min:	0.015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.035
Max:	0.039	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.035
WI Soil GW Pathways DF 2:	0.0051	NS	NS	0.0003	0.0023	0.0051	0.0039	0.1358	0.2266	0.0033	0.0155	0.0412	NS	0.032	1.57	NS	3.0863	NS	NS	NS	0.0026	0.027	NS	NS	0.6582
Number of Samples that Exceed WI Soil GW Pathways DF 2 SL:	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WI Soil Industrial RCLs:	7.07	679	906	1.83	113	43	4.03	761	2,120	1.98	669	2,340	1,210	38.9	35.4	143	530	7.19	2,260	268	1,150	282	108	264	24.1
Number of Samples that ExceedWI Soil Industrial RCLs SL:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WI Soil Non-Industrial RCLs:	1.6	342	216	0.418	25.4	9.6	0.916	370	2,120	0.454	159	156	1,210	8.28	8.02	34	126	1.63	2,260	268	61.8	63.8	108	264	5.52
Number of Samples that Exceed WI Soil Non-Industrial RCLs SL:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Notes:

Italic	*exceeds the Soil-to-Groundwater Pathway RCL (DF 2)*
Bold	**exceeds the WI Soil Industrial DC RCLs**
Underline	exceeds the WI Soil Non-Industrial DC RCLs
Gray Text	analyte not detected

Soil Industrial Direct Contact RCLs were compared to soil results collected 0 to 4 feet BGS.

Soil-to-Groundwater Pathway RCLs were compared to all soil results.

Lab comments, additional data qualifiers and definitions can be found in associated laboratory reports.

Results & Flags:

< = Concentration is less than reported limit

J = Estimated Concentration

NA = Not Applicable

Acronyms:

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DC (or D-C) = Direct-Contact

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VOC = Volatile Organic Compound

WDNR = Wisconsin Department of Natural Resources

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Screening Levels:

Screening criteria are derived from the WDNR NR720 Soil RR (Remediation and Redevelopment Program) RCLs last updated December 2018.

Groundwater Pathway RCLs are based on a Dilution Factor of 2 (DF 2).

Superscript Notes:

1. Total Trimethylbenzenes were calculated by Ramboll as follows:
   a. Where no detections were observed, the sum of the reporting limits is presented.
   b. Where detections were observed, only the detected results were added together for summation.
   c. Analytes used for the calculation are 1,2,4-Trimethylbenzene and 1,3,5-Trimethylbenzene.

Table 8. Soil Sample Analytical Results (2021)

Former Mirro Plant No. 20
44 Walnut Street, Chilton, WI
BRRTS No.: 02-08-520157 (ERP) & 06-08-426946 (VPLE) FID: 408021130

Station Name	Sample ID	Sample Depth (feet bgs)	Sample Date	VOC sec-Butylbenzene	VOC Styrene	VOC tert-Butylbenzene	VOC Tetrachloroethene	VOC trans-1,2-Dichloroethene	VOC trans-1,3-Dichloropropene	VOC Trichloroethene	VOC Toluene	VOC Trichlorofluoromethane	VOC Vinyl Chloride	VOC Xylenes, Total
			Reporting Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
			WI Soil GW Pathways DF 2:	*NS*	*0.22*	*NS*	*0.0045*	*0.0626*	*NS*	*0.0036*	*1.1072*	*4.4775*	*0.000138*	*3.96*
			WI Soil Industrial RCLs:	**145**	**867**	**183**	**145**	**1850**	**1510**	**8.41**	**818**	**1,230**	**2.08**	**260**
			WI Soil Non-Industrial RCLs:	145	867	183	33	1560	1510	1.3	818	1,230	0.0668	260
MW-11	MW-11 (0-4)	0-4	09/20/2021	<0.035	<0.034	<0.035	<0.033	<0.031	<0.032	<0.015	<0.013	<0.038	<0.023	<0.020
MW-12	MW-12 (2-4)	2-4	09/20/2021	<0.036	<0.035	<0.036	<0.034	<0.032	<0.033	<0.015	<0.013	<0.039	<0.024	<0.020
PZ-13	PZ-13 (2-4)	2-4	09/21/2021	<0.025	<0.024	<0.025	<0.023	<0.022	<0.022	<0.010	<0.0091	<0.026	<0.016	<0.014
PZ-14	PZ-14 (2-4)	2-4	09/22/2021	<0.028	<0.027	<0.028	<0.026	<0.025	<0.025	<0.011	<0.010	<0.030	<0.018	<0.015
PZ-14	PZ-14 (5-6)	5-6	09/22/2021	<0.030	<0.029	<0.030	<0.028	<0.027	<0.027	<0.012	<0.011	<0.032	<0.020	<0.017
SB-100	SB-100 (2-4)	2-4	09/20/2021	<0.028	<0.027	<0.028	<0.026	<0.025	<0.026	<0.012	<0.010	<0.030	<0.019	<0.016
SB-101	SB-101 (2-4)	2-4	09/21/2021	<0.034	<0.033	<0.034	<0.032	<0.030	<0.031	<0.014	<0.013	<0.037	<0.023	<0.019
SB-102	SB-102 (2-4)	2-4	09/21/2021	<0.034	<0.033	<0.034	<0.031	<0.030	<0.031	<0.014	<0.012	<0.036	<0.022	<0.019
SB-103	SB-103 (1.5-3.5)	1.5-3.5	09/21/2021	<0.033	<0.032	<0.033	<0.030	<0.029	<0.030	<0.013	<0.012	<0.035	<0.021	<0.018
SB-104	SB-104 (2-4)	2-4	09/21/2021	<0.036	<0.035	<0.036	<0.033	<0.032	<0.033	<0.015	<0.013	<0.039	<0.024	<0.020
SB-105	SB-105 (2-4)	2-4	09/21/2021	<0.036	<0.035	<0.036	<0.033	<0.032	<0.033	<0.015	0.061	<0.039	<0.024	0.11
SB-106	SB-106 (2-4)	2-4	09/21/2021	<0.037	<0.036	<0.037	<0.035	<0.033	<0.034	<0.015	<0.014	<0.040	<0.024	<0.021
SB-107	SB-107 (2-4)	2-4	09/21/2021	<0.030	<0.029	<0.030	<0.028	<0.026	<0.027	<0.012	<0.011	<0.032	<0.020	<0.017
SB-108	SB-108 (2-4)	2-4	09/21/2021	<0.032	<0.031	<0.032	<0.030	<0.029	<0.030	<0.013	<0.012	<0.035	<0.021	<0.018

Total Number of Samples Analyzed:	14	14	14	14	14	14	14	14	14	14	14	14	14	14
Number of Detections:	0	0	0	0	0	0	0	1	0	0	0	0	0	1
Min:	NA	NA	NA	NA	NA	NA	NA	0.061	NA	NA	NA	NA	NA	0.11
Max:	NA	NA	NA	NA	NA	NA	NA	0.061	NA	NA	NA	NA	NA	0.11
WI Soil GW Pathways DF 2:	NS	0.22	NS	0.0045	0.0626	NS	0.0036	1.1072	4.4775	0.000138	3.96			
Number of Samples that Exceed WI Soil GW Pathways DF 2 SL:	0	0	0	0	0	0	0	0	0	0	0			
WI Soil Industrial RCLs:	145	867	183	145	1,850	1,510	8.41	818	1,230	2.08	260			
Number of Samples that ExceedWI Soil Industrial RCLs SL:	0	0	0	0	0	0	0	0	0	0	0			
WI Soil Non-Industrial RCLs:	145	867	183	33	1,560	1,510	1.3	818	1,230	0.0668	260			
Number of Samples that Exceed WI Soil Non-Industrial RCLs SL:	0	0	0	0	0	0	0	0	0	0	0			

[O: LDH 10/06/2021;C:MGP 10/6/21]

Notes:

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1. Total Trimethylbenzenes were calculated by Ramboll as follows:
   a. Where no detections were observed, the sum of the reporting limits is presented.
   b. Where detections were observed, only the detected results were added together for summation.
   c. Analytes used for the calculation are 1,2,4-Trimethylbenzene and 1,3,5-Trimethylbenzene.

Table 9. Historical Groundwater Sample Analytical Results (2002-2020)

Former Mirro Plant No. 20
44 Walnut Street, Chilton, WI
BRRTS No.: 02-08-520157 (ERP) & 06-08-426946 (VPLE) FID: 408021130

Sample Location	Sample ID	Sample Date	VOC 1,1,1-Trichloroethane	VOC 1,1,2,2-Tetrachloroethane	VOC 1,1,2-Trichloroethane	VOC 1,1-Dichloroethane	VOC 1,1-Dichloroethene	VOC 1,1-Dichloropropene	VOC 1,2,4-Trichlorobenzene	VOC 1,2,4-Trimethylbenzene	VOC 1,3,5-Trimethylbenzene	VOC Trimethylbenzenes, Total[1]	VOC 1,2-Dichloroethane	VOC 1,2-Dichloropropane	VOC 2,2-Dichloropropane	VOC 4-Isopropyltoluene	VOC Benzene	VOC Bromobenzene	VOC Bromochloromethane	VOC Bromomethane	VOC Carbon Tetrachloride	VOC Chloromethane	VOC cis-1,2-Dichloroethene	VOC Ethylbenzene	VOC Isopropylbenzene	VOC Methylene chloride (Dichloromethane)	VOC Methyl-tert-butyl-ether	VOC n-Propylbenzene	VOC Naphthalene	VOC sec-Butylbenzene	VOC tert-Butylbenzene	VOC Tetrachloroethene	VOC Toluene	VOC trans-1,2-Dichloroethene	VOC Trichloroethene	VOC Vinyl Chloride	VOC Xylene, o	VOC Xylenes, m + p	VOC Xylenes, Total[2]
		Reporting Units:	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
		WI Groundwater ES*:	**200**	**0.2**	**5**	**850**	**7**	**NS**	**70**	**NS**	**NS**	**480**	**5**	**5**	**NS**	**NS**	**5**	**NS**	**NS**	**10**	**5**	**30**	**70**	**700**	**NS**	**5**	**60**	**NS**	**100**	**NS**	**NS**	**5**	**800**	**100**	**5**	**0.2**	**NS**	**NS**	**2,000**
		WI Groundwater PAL*:	40	0.02	0.5	85	0.7	NS	14	NS	NS	96	0.5	0.5	NS	NS	0.5	NS	NS	1	0.5	3	7	140	NS	0.5	12	NS	10	NS	NS	0.5	160	20	0.5	0.02	NS	NS	400
B-5	B-5-20060216	02/16/2006	<0.2	**0.286 J**	<0.1	<0.15	<0.15	<0.2	<0.5	<0.15	<0.15	<0.3	<0.1	<0.1	<0.1	<0.2	<0.15	<0.1	<0.1	<0.15	<0.2	<0.2	<0.2	<0.1	<0.1	<0.4	<0.1	<0.1	<1.00	<0.15	0.236 J	<0.1	<0.4	<0.1	<0.2	<0.15	<0.1	<0.4	<0.5
B-5	B-5-20060530	05/30/2006	<0.2	<0.1	0.58	<0.15	<0.15	<0.3	0.58	0.22 J	<0.15	0.22	<0.1	<0.1	<0.1	<0.2	<0.15	<0.1	<0.1	<0.15	<0.2	0.24 J	<0.2	<0.1	<0.1	<0.4	0.66	<0.1	<1.00	<0.15	<0.15	<0.1	<0.4	<0.1	<0.2	<0.15	<0.10	<0.40	<0.5
B-5	B-5-20060829	08/29/2006	<0.2	<0.1	<0.1	<0.15	<0.15	<0.3	<0.5	--	--	0.15	<0.1	<0.1	<0.1	<0.2	<0.15	<0.1	<0.1	<0.15	<0.2	<0.2	<0.2	<0.1	<0.1	<0.4	<0.1	<0.1	<1.00	<0.15	<0.15	<0.1	<0.4	<0.1	<0.2	<0.15	--	--	<0.5
B-5	B-5-20061115	11/15/2006	<0.2	<0.1	<0.1	<0.15	<0.15	<0.3	<0.5	--	--	<0.3	<0.1	<0.1	<0.1	<0.2	<0.15	<0.1	<0.1	<0.15	<0.2	<0.2	<0.2	<0.1	<0.1	<0.4	<0.1	<0.1	<1.00	<0.15	<0.15	<0.1	<0.4	<0.1	<0.2	<0.15	--	--	<0.5
B-5	B-5-20080218	02/18/2008	<0.50	<0.20	<0.25	<0.50	<0.50	<0.50	<0.25	--	--	<0.40	<0.50	<0.50	<0.50	<0.20	<0.20	<0.20	<0.50	<0.20	<0.50	<0.20	<0.50	<0.50	<0.20	<1.0	<0.50	<0.50	<0.25	<0.25	<0.20	<0.50	<0.20	<0.50	<0.20	<0.20	--	--	<0.50
B-5	B-5-20080521	05/21/2008	<0.50	<0.20	<0.25	<0.50	<0.50	<0.50	<0.25	--	--	<0.40	<0.50	<0.50	<0.50	<0.20	<0.20	<0.20	<0.50	<0.20	<0.50	<0.20	<0.50	<0.50	<0.20	<1.0	<0.50	<0.50	<0.25	<0.25	<0.20	<0.50	<0.20	<0.50	<0.20	<0.20	--	--	<0.50
B-5	B-5-20090320	03/20/2009	--	<0.05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.016	--	--	--
B-5	B-5-20090708	07/08/2009	--	<0.05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-5	B-5-20111006	10/06/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-5	B-5-20111104	11/04/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-5	B-5-20130228	02/28/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-5	B-5-20200602	06/02/2020	<0.38	<0.4	<0.35	<0.41	<0.39	<0.3	<0.34	<0.36	<0.25	<0.61	<0.36	<0.43	<0.44	<0.36	<0.15	<0.36	<0.43	<0.8	<0.38	<0.32	<0.41	<0.18	<0.39	<1.6	<0.39	<0.41	<0.34	<0.4	<0.4	<0.37	<0.15	<0.35	<0.16	<0.2	--	--	<0.22
B-5A	B-5A-20060216	02/16/2006	<0.2	**0.51**	<0.1	<0.15	<0.15	<0.2	<0.5	3.93	<0.15	3.93	<0.1	<0.1	<0.1	<0.2	<0.15	<0.1	<0.1	<0.15	<0.2	<0.2	<0.2	<0.1	0.602	<0.4	<0.1	0.138 J	<1.00	<0.15	0.252 J	<0.1	<0.4	<0.1	<0.2	<0.15	0.112 J	<0.4	0.112
B-5A	B-5A-20060530	05/30/2006	0.21	<0.1	0.21 J	<0.15	<0.15	<0.3	<0.5	<0.15	<0.15	<0.3	<0.1	<0.1	<0.1	<0.2	<0.15	<0.1	<0.1	<0.15	<0.2	<0.2	<0.2	<0.1	<0.1	<0.4	0.36 J	<0.1	<1.00	<0.15	<0.15	<0.1	<0.4	<0.1	<0.2	<0.15	<0.10	<0.40	<0.5
B-5A	B-5A-20060829	08/29/2006	<0.2	<0.1	<0.1	<0.15	<0.15	<0.3	<0.5	--	--	<0.3	<0.1	<0.1	<0.1	<0.2	<0.15	<0.1	<0.1	<0.15	<0.2	<0.2	<0.2	<0.1	<0.1	<0.4	<0.1	<0.1	<1.00	<0.15	<0.15	<0.1	<0.4	<0.1	<0.2	<0.15	--	--	<0.5
B-5A	B-5A-20061115	11/15/2006	<0.2	**0.29**	<0.1	<0.15	<0.15	<0.3	<0.5	--	--	2.11	<0.1	0.26	<0.1	0.34	<0.15	<0.1	<0.1	<0.15	<0.2	<0.2	<0.2	0.15	0.4	<0.4	<0.1	0.11	<1.00	<0.15	<0.15	<0.1	<0.4	<0.1	<0.2	<0.15	--	--	0.52
B-5A	B-5A-20080218	02/18/2008	<0.50	<0.20	<0.25	<0.50	<0.50	<0.50	<0.25	--	--	<0.40	<0.50	<0.50	<0.50	<0.20	<0.20	<0.20	<0.50	<0.20	<0.50	<0.20	<0.50	<0.50	<0.20	<1.0	<0.50	<0.50	<0.25	<0.25	<0.20	<0.50	<0.20	<0.50	<0.20	<0.20	--	--	<0.50
B-5A	B-5A-20080521	05/21/2008	<0.50	<0.20	<0.25	<0.50	<0.50	<0.50	<0.25	--	--	<0.40	<0.50	<0.50	<0.50	<0.20	<0.20	<0.20	<0.50	<0.20	<0.50	<0.20	<0.50	<0.50	<0.20	<1.0	<0.50	<0.50	<0.25	<0.25	<0.20	<0.50	<0.20	<0.50	<0.20	<0.20	--	--	<0.50
B-5A	B-5A-20090320	03/20/2009	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-5A	B-5A-20090708	07/08/2009	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-5A	B-5A-20111006	10/06/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-5A	B-5A-20111104	11/04/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-5A	B-5A-20130228	02/28/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-5A	B-5A-20200602	06/02/2020	<0.38	<0.4	<0.35	<0.41	<0.39	<0.3	<0.34	0.42 J	<0.25	0.42	<0.36	<0.43	<0.44	<0.36	<0.15	<0.36	<0.43	<0.8	<0.38	<0.32	<0.41	<0.18	<0.39	<1.6	<0.39	<0.41	<0.34	<0.4	<0.4	<0.37	<0.15	<0.35	<0.16	<0.2	--	--	<0.22
B-6	B-6-20060216	02/16/2006	<0.2	<0.1	<0.1	<0.15	<0.15	<0.2	<0.5	0.21 J	<0.15	0.21	<0.1	<0.1	<0.1	<0.2	<0.15	<0.1	<0.1	<0.15	<0.2	<0.2	<0.2	<0.1	<0.1	<0.4	<0.1	<0.1	<1.00	<0.15	<0.15	<0.1	<0.4	<0.1	<0.2	<0.15	<0.1	<0.4	<0.5
B-6	B-6-20060530	05/30/2006	<0.2	<0.1	<0.1	<0.15	<0.15	<0.3	<0.5	<0.15	<0.15	<0.3	0.2 J	<0.1	<0.1	<0.2	<0.15	<0.1	0.2 J	<0.15	<0.2	<0.2	0.34 J	<0.1	<0.1	<0.4	0.33 J	<0.1	<1.00	<0.15	<0.15	<0.1	<0.4	<0.1	<0.2	<0.15	<0.10	<0.40	<0.5
B-6	B-6-20060829	08/29/2006	<0.2	<0.1	<0.1	<0.15	<0.15	<0.3	<0.5	--	--	0.66	<0.1	<0.1	<0.1	<0.2	<0.15	<0.1	<0.1	<0.15	<0.2	<0.2	<0.2	0.11	<0.1	<0.4	<0.1	<0.1	<1.00	<0.15	<0.15	<0.1	0.42	<0.1	<0.2	<0.15	--	--	0.2
B-6	B-6-20061115	11/15/2006	<0.2	<0.1	<0.1	<0.15	<0.15	<0.3	<0.5	--	--	<0.3	<0.1	<0.1	<0.1	<0.2	<0.15	<0.1	<0.1	<0.15	<0.2	<0.2	<0.2	<0.1	<0.1	<0.4	<0.1	<0.1	<1.00	<0.15	<0.15	<0.1	<0.4	<0.1	<0.2	<0.15	--	--	<0.5
B-6	B-6-20080218	02/18/2008	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-6	B-6-20080521	05/21/2008	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-6	B-6-20090320	03/20/2009	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-6	B-6-20090708	07/08/2009	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-6	B-6-20111006	10/06/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-6	B-6-20111104	11/04/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-6	B-6-20130228	02/28/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-6	B-6-20200602	06/02/2020	<0.38	<0.4	<0.35	<0.41	<0.39	<0.3	<0.34	<0.36	<0.25	<0.61	<0.36	<0.43	<0.44	<0.36	<0.15	<0.36	<0.43	<0.8	<0.38	<0.32	<0.41	<0.18	<0.39	<1.6	<0.39	<0.41	<0.34	<0.4	<0.4	<0.37	<0.15	<0.35	<0.16	<0.2	--	--	<0.22
B-9	B-9-20060216	02/16/2006	<0.2	<0.1	<0.1	<0.15	<0.15	<0.2	<0.5	0.445 J	<0.15	0.445	<0.1	<0.1	<0.1	<0.2	<0.15	<0.1	<0.1	<0.15	<0.2	<0.2	<0.2	<0.1	<0.1	<0.4	<0.1	<0.1	<1.00	<0.15	<0.15	<0.1	<0.4	<0.1	<0.2	<0.15	<0.1	<0.4	<0.5
B-9	B-9-20060530	05/30/2006	<0.2	<0.1	<0.1	<0.15	<0.15	<0.3	<0.5	<0.15	<0.15	<0.3	<0.1	<0.1	<0.1	<0.2	<0.15	<0.1	<0.1	<0.15	<0.2	0.49 J	<0.2	<0.1	<0.1	<0.4	1.49	<0.1	<1.00	<0.15	<0.15	<0.1	<0.4	<0.1	<0.2	<0.15	<0.10	<0.40	<0.5
B-9	B-9-20060829	08/29/2006	<0.2	<0.1	<0.1	<0.15	<0.15	<0.3	<0.5	--	--	<0.3	<0.1	<0.1	<0.1	<0.2	<0.15	<0.1	<0.1	<0.15	<0.2	<0.2	<0.2	<0.1	<0.1	<0.4	<0.1	<0.1	<1.00	<0.15	<0.15	<0.1	<0.4	<0.1	<0.2	<0.15	--	--	<0.5
B-9	B-9-20061115	11/15/2006	<0.2	<0.1	<0.1	<0.15	<0.15	<0.3	<0.5	--	--	<0.3	<0.1	<0.1	<0.1	<0.2	<0.15	<0.1	<0.1	<0.15	<0.2	0.39	<0.2	<0.1	<0.1	<0.4	<0.1	<0.1	<1.00	<0.15	<0.15	<0.1	<0.4	<0.1	<0.2	<0.15	--	--	<0.5
B-9	B-9-20080218	02/18/2008	<0.50	<0.20	<0.25	<0.50	<0.50	<0.50	<0.25	--	--	<0.25	<0.50	<0.50	<0.50	<0.20	<0.20	<0.20	<0.50	<0.20	<0.50	<0.20	<0.50	<0.50	<0.20	<1.0	<0.50	<0.50	<0.25	<0.25	<0.20	<0.50	<0.20	<0.50	<0.20	<0.20	--	--	<0.50
B-9	B-9-20080521	05/21/2008	<0.50	<0.20	<0.25	<0.50	<0.50	<0.50	<0.25	--	--	<0.25	<0.50	<0.50	<0.50	<0.20	<0.20	<0.20	<0.50	<0.20	<0.50	<0.20	<0.50	<0.50	<0.20	<1.0	<0.50	<0.50	<0.25	<0.25	<0.20	<0.50	<0.20	<0.50	<0.20	<0.20	--	--	<0.50
B-9	B-9-20090320	03/20/2009	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.016	--	--	--
B-9	B-9-20090708	07/08/2009	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-9	B-9-20111006	10/06/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-9	B-9-20111104	11/04/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-9	B-9-20130228	02/28/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-9	B-9-20200602	06/02/2020	<0.38	<0.4	<0.35	<0.41	<0.39	<0.3	<0.34	<0.36	<0.25	<0.61	<0.36	<0.43	<0.44	<0.36	<0.15	<0.36	<0.43	<0.8	<0.38	<0.32	<0.41	<0.18	<0.39	<1.6	<0.39	<0.41	<0.34	<0.4	<0.4	<0.37	<0.15	<0.35	<0.16	<0.2	--	--	<0.22

Table 9. Historical Groundwater Sample Analytical Results (2002-2020)

Former Mirro Plant No. 20
44 Walnut Street, Chilton, WI
BRRTS No.: 02-08-520157 (ERP) & 06-08-426946 (VPLE) FID: 408021130

			VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC
Sample Location	Sample ID	Sample Date	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,1-Dichloropropene	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Trimethylbenzenes, Total[1]	1,2-Dichloroethane	1,2-Dichloropropane	2,2-Dichloropropane	4-Isopropyltoluene	Benzene	Bromobenzene	Bromochloromethane	Bromomethane	Carbon Tetrachloride	Chloromethane	cis-1,2-Dichloroethene	Ethylbenzene	Isopropylbenzene	Methylene chloride (Dichloromethane)	Methyl-tert-butyl-ether	n-Propylbenzene	Naphthalene	sec-Butylbenzene	tert-Butylbenzene	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl Chloride	Xylene, o	Xylenes, m + p	Xylenes, Total[2]
	Reporting Units:		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
	WI Groundwater ES*:		**200**	**0.2**	**5**	**850**	**7**	**NS**	**70**	**NS**	**NS**	**480**	**5**	**5**	**NS**	**NS**	**5**	**NS**	**NS**	**10**	**5**	**30**	**70**	**700**	**NS**	**5**	**60**	**NS**	**100**	**NS**	**NS**	**5**	**800**	**100**	**5**	**0.2**	**NS**	**NS**	**2,000**
	WI Groundwater PAL*:		40	0.02	0.5	85	0.7	NS	14	NS	NS	96	0.5	0.5	NS	NS	0.5	NS	NS	1	0.5	3	7	140	NS	0.5	12	NS	10	NS	NS	0.5	160	20	0.5	0.02	NS	NS	400
B-11	B-11-20060216	02/16/2006	<0.2	<0.1	<0.1	<0.15	<0.15	<0.2	<0.5	<0.15	<0.15	<0.3	<0.1	<0.1	<0.1	<0.2	<0.15	<0.1	<0.1	<0.15	<0.2	<0.2	1.57	<0.1	<0.1	<0.4	<0.1	<0.1	<1.00	<0.15	<0.15	<0.1	<0.4	<0.1	0.415 J	<0.15	<0.1	<0.4	<0.5
B-11	B-11-20060530	05/30/2006	<0.2	<0.1	<0.1	<0.15	<0.15	<0.3	<0.5	<0.15	<0.15	<0.3	<0.1	<0.1	<0.1	<0.2	<0.15	<0.1	<0.1	<0.15	<0.2	<0.2	0.95	<0.1	<0.1	<0.4	0.56	<0.1	<1.00	<0.15	<0.15	<0.1	<0.4	<0.1	0.69	<0.15	<0.10	<0.40	<0.5
B-11	B-11-20060829	08/29/2006	<0.2	<0.1	<0.1	<0.15	<0.15	<0.3	<0.5	--	--	0.21	<0.1	<0.1	<0.1	<0.2	<0.15	<0.1	<0.1	<0.15	<0.2	<0.2	1.87	<0.1	<0.1	<0.4	0.56	<0.1	<1.00	<0.15	<0.15	<0.1	0.58	<0.1	<0.2	<0.15	--	--	0.14
B-11	B-11-20061115	11/15/2006	<0.2	<0.1	<0.1	0.18	<0.15	<0.3	<0.5	--	--	<0.3	<0.1	<0.1	<0.1	<0.2	<0.15	<0.1	<0.1	<0.15	<0.2	<0.2	1.18	<0.1	<0.1	<0.4	<0.1	<0.1	<1.00	<0.15	<0.15	<0.1	<0.4	<0.1	<0.2	0.61	--	--	<0.5
B-11	B-11-20080218	02/18/2008	<0.50	<0.20	<0.25	<0.50	<0.50	<0.50	<0.25	--	--	<0.40	<0.50	<0.50	<0.50	<0.20	<0.20	<0.20	<0.50	<0.20	<0.50	<0.20	0.97	<0.50	<0.20	<1.0	<0.50	<0.50	<0.25	<0.25	<0.20	<0.50	<0.20	<0.20	<0.20	<0.20	--	--	<0.50
B-11	B-11-20080521	05/21/2008	<0.50	<0.20	<0.25	<0.50	<0.50	<0.50	<0.25	--	--	<0.40	<0.50	<0.50	<0.50	<0.20	<0.20	<0.20	<0.50	<0.20	<0.50	<0.20	1.2	<0.50	<0.20	<1.0	<0.50	<0.50	<0.25	<0.25	<0.20	<0.50	<0.20	<0.20	<0.20	0.37	--	--	<0.50
B-11	B-11-20090320	03/20/2009	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.016	--	--	--
B-11	B-11-20090708	07/08/2009	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.85	--	--	--
B-11	B-11-20111006	10/06/2011	<0.50	<0.20	<0.25	<0.50	<0.50	<0.50	<0.25	--	--	--	<0.50	<0.50	<0.50	<0.20	<0.20	<0.20	<0.50	<0.50	<0.80	<0.30	1.5	<0.50	<0.20	<1.0	<0.50	<0.50	<0.25	<0.25	<0.20	<0.50	<0.50	<0.50	<0.20	0.28	--	--	<0.50
B-11	B-11-20111104	11/04/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-11	B-11-20130228	02/28/2013	<0.20	<0.23	<0.28	<0.19	<0.31	<0.34	<0.31	--	--	--	<0.36	<0.20	<0.32	<0.17	<0.074	<0.25	<0.40	<0.31	<0.26	<0.18	1.9	<0.13	<0.14	<0.68	<0.24	<0.13	<0.16	<0.15	<0.14	<0.17	<0.11	<0.25	<0.19	0.57	--	--	<0.068
B-11	B-11-20200602	06/02/2020	<0.38	<0.4	<0.35	<0.41	<0.39	<0.3	<0.34	<0.36	<0.25	<0.61	<0.36	<0.43	<0.44	<0.36	<0.15	<0.36	<0.43	<0.8	<0.38	<0.32	6 J	<0.18	<0.39	<1.6	<0.39	<0.41	<0.34	<0.4	<0.4	<0.37	<0.15	<0.35	0.3 J	<0.2	--	--	<0.22
B-11	B-11-20200602-Dup	06/02/2020	<0.38	<0.4	<0.35	<0.41	<0.39	<0.3	<0.34	<0.36	<0.25	<0.61	<0.36	<0.43	<0.44	<0.36	<0.15	<0.36	<0.43	<0.8	<0.38	<0.32	<6.50	<0.18	<0.39	<1.6	<0.39	<0.41	<0.34	<0.4	<0.4	<0.37	<0.15	<0.35	0.32 J	0.22 J	--	--	<0.22
B-12	B-12-20060216	02/16/2006	<0.2	<0.1	<0.1	<0.15	<0.15	<0.2	<0.5	0.214 J	<0.15	0.214	<0.1	<0.1	<0.1	<0.2	0.157 J	<0.1	<0.1	<0.15	<0.2	<0.2	2.77	0.269 J	<0.1	<0.4	<0.1	<0.1	<1.00	<0.15	<0.15	<0.1	0.512 J	<0.1	<0.2	<0.15	0.188 J	0.796 J	0.984
B-12	B-12-20060530	05/30/2006	<0.2	<0.1	<0.1	<0.15	0.15 J	<0.3	<0.5	<0.15	<0.15	<0.3	<0.1	<0.1	<0.1	<0.2	<0.15	<0.1	<0.1	<0.15	<0.2	0.26 J	7.64	<0.1	<0.1	<0.4	<0.1	<0.1	<1.00	<0.15	<0.15	0.21 J	<0.4	0.14 J	2.11	0.26 J	<0.10	<0.40	<0.5
B-12	B-12-20060829	08/29/2006	<0.2	<0.1	<0.1	<0.15	<0.15	<0.3	<0.5	--	--	0.67	0.14	<0.1	<0.1	<0.2	<0.15	<0.1	<0.1	<0.15	<0.2	<0.2	5.05	0.26	<0.1	<0.4	<0.1	<0.1	<1.00	<0.15	<0.15	<0.1	1.13	<0.1	<0.2	<0.15	--	--	1.33
B-12	B-12-20061115	11/15/2006	<0.2	<0.1	<0.1	<0.15	<0.15	<0.3	<0.5	--	--	<0.3	0.15	<0.1	<0.1	<0.2	<0.15	<0.1	<0.1	<0.15	<0.2	0.29	3.37	<0.1	<0.1	<0.4	<0.1	<0.1	<1.00	<0.15	<0.15	<0.1	<0.4	<0.1	<0.2	<0.15	--	--	<0.5
B-12	B-12-20080218	02/18/2008	<0.50	<0.20	<0.25	<0.50	<0.50	<0.50	<0.25	--	--	<0.40	<0.50	<0.50	<0.50	<0.20	<0.20	<0.20	<0.50	<0.20	<0.50	<0.20	10	<0.50	<0.20	<1.0	<0.50	<0.50	<0.25	<0.25	<0.20	<0.50	<0.20	<0.50	<0.20	<0.20	--	--	<0.50
B-12	B-12-20080521	05/21/2008	<0.50	<0.20	<0.25	<0.50	<0.50	<0.50	<0.25	--	--	<0.40	<0.50	<0.50	<0.50	<0.20	<0.20	<0.20	<0.50	<0.20	<0.50	<0.20	31	<0.50	<0.20	<1.0	<0.50	<0.50	<0.25	<0.25	<0.20	<0.50	<0.20	<0.50	2.8	<0.20	--	--	<0.50
B-12	B-12-20090320	03/20/2009	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	61	--	--	--	--	--	--	--	--	--	--	--	17	1.2	--	--	--
B-12	B-12-20090708	07/08/2009	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	12	--	--	--	--	--	--	--	--	--	--	--	2.3	<0.032	--	--	--
B-12	B-12-20111006	10/06/2011	<0.50	<0.20	<0.25	<0.50	<0.50	<0.50	<0.25	--	--	--	<0.50	<0.50	<0.50	<0.20	<0.20	<0.20	<0.50	<0.50	<0.80	<0.30	8.7	<0.50	<0.20	<1.0	<0.50	<0.50	<0.25	<0.25	<0.20	4.6	<0.50	<0.50	3.2	<0.20	--	--	<0.50
B-12	B-12-20111104	11/04/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B-12	B-12-20130228	02/28/2013	<0.20	<0.23	<0.28	<0.19	<0.31	<0.34	<0.31	--	--	--	<0.36	<0.20	<0.32	<0.17	<0.074	<0.25	<0.40	<0.31	<0.26	<0.18	39	<0.13	<0.14	<0.68	<0.24	<0.13	<0.16	<0.15	<0.14	<0.17	<0.11	<0.25	<0.19	<0.10	--	--	<0.068
B-12	B-12-20200604	06/04/2020	<0.38	<0.4	<0.35	<0.41	<0.39	<0.3	<0.34	<0.36	<0.25	<0.61	<0.36	<0.43	<0.44	<0.36	<0.15	<0.36	<0.43	<0.8	<0.38	<0.32	22.00	<0.18	<0.39	<1.6	<0.39	<0.41	<0.34	<0.4	<0.4	2.7	<0.15	0.7 J	2.1	<0.2	--	--	<0.22
LMW-8	LMW-8-20111104	11/04/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LMW-8	LMW-8-20130301	03/01/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LMW-9	LMW-9-20111104	11/04/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LMW-9	LMW-9-20130301	03/01/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LMW-10	LMW-10-20111104	11/04/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LMW-10	LMW-10-20130301	03/01/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LPZ-3	LPZ-3-20111104	11/04/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LPZ-3	LPZ-3-20130301	03/01/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LPZ-4	LPZ-4-20111104	11/04/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LPZ-4	LPZ-4-20130301	03/01/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	MW-1-20021119	11/19/2002	<0.65	<0.77	<0.5	<0.87	<0.56	<0.79	<0.57	<0.69	<0.64	<1.33	<0.55	<0.39	<0.99	<0.58	<0.25	<0.74	<0.67	<0.87	<0.47	<0.27	<0.81	<0.53	<0.66	<0.47	<0.87	<0.95	<0.63	<0.62	<0.96	<0.63	<0.84	<0.8	<0.39	<0.11	<0.73	<1.1	<1.83
MW-1	MW-1-20030312	03/12/2003	<0.65	<0.77	<0.5	<0.87	<0.56	<0.79	<0.57	<0.69	<0.64	<1.33	<0.55	<0.39	<0.99	<0.58	<0.25	<0.74	<0.67	<0.87	<0.47	<0.27	<0.81	<0.53	<0.66	0.67	<0.87	<0.95	<0.63	<0.62	<0.96	<0.63	<0.84	<0.8	<0.39	<0.11	<0.73	<1.1	<1.83
MW-1	MW-1-20060216	02/16/2006	<0.2	<0.1	<0.1	<0.15	<0.15	<0.2	<0.5	<0.15	<0.15	<0.3	<0.1	<0.1	<0.1	<0.2	<0.15	<0.1	<0.1	<0.15	<0.2	<0.2	<0.2	<0.1	<0.1	<0.4	<0.1	<0.1	<1.00	<0.15	<0.15	<0.1	<0.4	<0.1	<0.2	<0.15	<0.1	<0.4	<0.5
MW-1	MW-1-20060530	05/30/2006	<0.2	<0.1	<0.1	<0.15	<0.15	<0.3	<0.5	<0.15	<0.15	<0.3	<0.1	<0.1	<0.1	<0.2	<0.15	<0.1	<0.1	<0.15	<0.2	<0.2	<0.2	<0.1	<0.1	<0.4	<0.1	<0.1	<1.00	<0.15	<0.15	<0.1	<0.4	<0.1	<0.2	<0.15	<0.10	<0.40	<0.5
MW-1	MW-1-20060829	08/29/2006	<0.2	<0.1	<0.1	<0.15	<0.15	<0.3	<0.5	--	--	<0.3	<0.1	<0.1	<0.1	<0.2	<0.15	<0.1	<0.1	<0.15	<0.2	<0.2	<0.2	<0.1	<0.1	<0.4	<0.1	<0.1	<1.00	<0.15	<0.15	<0.1	<0.4	<0.1	<0.2	<0.15	--	--	<0.5
MW-1	MW-1-20061115	11/15/2006	<0.2	<0.1	<0.1	<0.15	<0.15	<0.3	<0.5	--	--	<0.3	<0.1	<0.1	<0.1	<0.2	<0.15	0.18	<0.1	<0.15	<0.2	0.23	<0.2	0.11	<0.1	<0.4	<0.1	<0.1	<1.00	<0.15	<0.15	<0.1	<0.4	<0.1	<0.2	<0.15	--	--	<0.5
MW-1	MW-1-20080218	02/18/2008	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	MW-1-20080521	05/21/2008	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	MW-1-20090320	03/20/2009	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	MW-1-20090708	07/08/2009	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	MW-1-20111005	10/05/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	MW-1-20111104	11/04/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	MW-1-20130228	02/28/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 9. Historical Groundwater Sample Analytical Results (2002-2020)

Former Mirro Plant No. 20
44 Walnut Street, Chilton, WI

BRRTS No.: 02-08-520157 (ERP) & 06-08-426946 (VPLE) FID: 408021130

			VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC
Sample Location	Sample ID	Sample Date	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,1-Dichloropropene	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Trimethylbenzenes, Total[1]	1,2-Dichloroethane	1,2-Dichloropropane	2,2-Dichloropropane	4-Isopropyltoluene	Benzene	Bromobenzene	Bromochloromethane	Bromomethane	Carbon Tetrachloride	Chloromethane	cis-1,2-Dichloroethene	Ethylbenzene	Isopropylbenzene	Methylene chloride (Dichloromethane)	Methyl-tert-butyl-ether	n-Propylbenzene	Naphthalene	sec-Butylbenzene	tert-Butylbenzene	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl Chloride	Xylene, o	Xylenes, m + p	Xylenes, Total[2]
	Reporting Units:		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
	WI Groundwater ES*:		**200**	**0.2**	**5**	**850**	**7**	**NS**	**70**	**NS**	**NS**	**480**	**5**	**5**	**NS**	**NS**	**5**	**NS**	**NS**	**10**	**5**	**30**	**70**	**700**	**NS**	**5**	**60**	**NS**	**100**	**NS**	**NS**	**5**	**800**	**100**	**5**	**0.2**	**NS**	**NS**	**2,000**
	WI Groundwater PAL*:		40	0.02	0.5	85	0.7	NS	14	NS	NS	96	0.5	0.5	NS	NS	0.5	NS	NS	1	0.5	3	7	140	NS	0.5	12	NS	10	NS	NS	0.5	160	20	0.5	0.02	NS	NS	400
MW-2	MW-2-20021119	11/19/2002	<0.65	<0.77	<0.5	<0.87	<0.56	<0.79	<0.57	<0.69	<0.64	<1.33	<0.55	<0.39	<0.99	<0.58	<0.25	<0.74	<0.67	<0.87	<0.47	<0.27	<0.81	<0.53	<0.66	<0.47	<0.87	<0.95	<0.63	<0.62	<0.96	<0.63	<0.84	<0.8	<0.39	<0.11	<0.73	<1.1	<1.83
MW-2	MW-2-20030312	03/12/2003	<0.65	<0.77	<0.5	<0.87	<0.56	<0.79	<0.57	<0.69	<0.64	<1.33	<0.55	<0.39	<0.99	<0.58	<0.25	<0.74	<0.67	<0.87	<0.47	<0.27	<0.81	<0.53	<0.66	1.1	<0.87	<0.95	<0.63	<0.62	<0.96	<0.63	<0.84	<0.8	<0.39	<0.11	<0.73	<1.1	<1.83
MW-2	MW-2-20060216	02/16/2006	<0.2	<0.1	<0.1	<0.15	<0.15	<0.2	<0.5	<0.15	<0.15	<0.3	<0.1	<0.1	<0.1	<0.2	<0.15	<0.1	<0.1	<0.15	<0.2	<0.2	<0.2	<0.1	<0.1	<0.4	<0.1	<0.1	<1.00	<0.15	<0.15	<0.1	<0.4	<0.1	<0.2	<0.15	<0.1	<0.4	<0.5
MW-2	MW-2-20060530	05/30/2006	<0.2	<0.1	<0.1	<0.15	<0.15	<0.3	<0.5	<0.15	<0.15	<0.3	<0.1	<0.1	<0.1	<0.2	<0.15	<0.1	<0.1	<0.15	<0.2	<0.2	<0.2	<0.1	<0.1	<0.4	0.14 J	<0.1	<1.00	<0.15	<0.15	<0.1	<0.4	<0.1	<0.2	<0.15	<0.10	<0.40	<0.5
MW-2	MW-2-20060829	08/29/2006	<0.2	<0.1	<0.1	<0.15	<0.15	<0.3	<0.5	--	--	<0.3	<0.1	<0.1	<0.1	<0.2	<0.15	<0.1	<0.1	<0.15	<0.2	<0.2	<0.2	<0.1	<0.1	<0.4	<0.1	<0.1	<1.00	<0.15	<0.15	<0.1	<0.4	<0.1	<0.2	<0.15	--	--	<0.5
MW-2	MW-2-20061115	11/15/2006	<0.2	<0.1	<0.1	<0.15	<0.15	<0.3	<0.5	--	--	<0.3	<0.1	<0.1	<0.1	<0.2	<0.15	0.1	<0.1	<0.15	<0.2	<0.2	<0.2	<0.1	<0.1	<0.4	0.16	<0.1	<1.00	<0.15	<0.15	<0.1	<0.4	<0.1	<0.2	<0.15	--	--	<0.5
MW-2	MW-2-20080218	02/18/2008	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	MW-2-20080521	05/21/2008	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	MW-2-20090320	03/20/2009	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	MW-2-20090708	07/08/2009	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	MW-2-20111005	10/05/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	MW-2-20111104	11/04/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	MW-2-20130228	02/28/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	MW-2-20180809	08/09/2018	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	MW-2-20200604	06/04/2020	<0.38	<0.4	<0.35	<0.41	<0.39	<0.3	<0.34	<0.36	<0.25	<0.61	<0.36	<0.43	<0.44	<0.36	<0.15	<0.36	<0.43	<0.8	<0.38	<0.32	<0.41	<0.18	<0.39	<1.6	<0.39	<0.41	<0.34	<0.4	<0.4	<0.37	<0.15	<0.35	<0.16	<0.2	--	--	<0.22
MW-3	MW-3-20021119	11/19/2002	<0.65	<0.77	<0.5	<0.87	<0.56	<0.79	<0.57	4.4	<0.64	4.4	1.4	<0.39	<0.99	<0.58	<0.25	<0.74	<0.67	<0.87	<0.47	<0.27	2	<0.53	<0.66	<0.47	<0.87	<0.95	<0.63	0.75	<0.96	<0.63	<0.84	<0.8	0.94	<0.11	<0.73	<1.1	<1.83
MW-3	MW-3-20030312	03/12/2003	<0.65	<0.77	<0.5	<0.87	<0.56	<0.79	<0.57	<0.69	<0.64	<1.33	1.8	<0.39	<0.99	<0.58	<0.25	<0.74	<0.67	<0.87	<0.47	<0.27	2.6	<0.53	<0.66	1.2	<0.87	<0.95	<0.63	<0.62	<0.96	<0.63	<0.84	<0.8	0.85	<0.11	<0.73	<1.1	<1.83
MW-3	MW-3-20060216	02/16/2006	<0.2	<0.1	<0.1	<0.15	<0.15	<0.2	<0.5	<0.15	<0.15	<0.3	2.29	<0.1	<0.1	<0.2	<0.15	<0.1	<0.1	<0.15	<0.2	<0.2	2.22	<0.1	<0.1	<0.4	<0.1	<0.1	<1.00	<0.15	<0.15	<0.1	<0.4	<0.1	0.535 J	<0.15	<0.1	<0.4	<0.5
MW-3	MW-3-20060530	05/30/2006	<0.2	<0.1	<0.1	<0.15	<0.15	<0.3	<0.5	<0.15	<0.15	<0.3	2.57	<0.1	<0.1	<0.2	<0.15	<0.1	<0.1	<0.15	<0.2	<0.2	2.55	<0.1	<0.1	<0.4	<0.1	<0.1	<1.00	<0.15	<0.15	<0.1	<0.4	<0.1	0.61 J	<0.15	<0.10	<0.40	<0.5
MW-3	MW-3-20060829	08/29/2006	<0.2	<0.1	<0.1	<0.15	<0.15	<0.3	<0.5	--	--	<0.3	1.96	<0.1	<0.1	<0.2	<0.15	<0.1	<0.1	<0.15	<0.2	<0.2	2.05	<0.1	<0.1	<0.4	<0.1	<0.1	<1.00	<0.15	<0.15	<0.1	<0.4	<0.1	0.8	<0.15	--	--	<0.5
MW-3	MW-3-20061115	11/15/2006	<0.2	<0.1	<0.1	<0.15	<0.15	<0.3	<0.5	--	--	<0.3	1.67	<0.1	<0.1	0.29	<0.15	<0.1	<0.1	0.18	<0.2	<0.2	1.81	<0.1	<0.1	<0.4	<0.1	<0.1	<1.00	<0.15	<0.15	<0.1	<0.4	<0.1	0.39	<0.15	--	--	<0.5
MW-3	MW-3-20080218	02/18/2008	<0.50	<0.20	<0.25	<0.50	<0.50	<0.50	<0.25	--	--	<0.40	2.7	<0.50	<0.50	<0.20	<0.20	<0.20	<0.50	<0.20	<0.50	<0.20	2.2	<0.50	<0.20	<1.0	<0.50	<0.50	<0.25	<0.25	<0.20	<0.50	0.29	<0.50	<0.30	<0.20	--	--	<0.50
MW-3	MW-3-20080521	05/21/2008	<0.50	<0.20	<0.25	<0.50	<0.50	<0.50	<0.25	--	--	<0.40	<0.50	<0.50	<0.50	<0.20	<0.20	<0.20	<0.50	<0.20	<0.50	<0.20	3.1	<0.50	<0.20	<1.0	<0.50	<0.50	<0.25	<0.25	<0.20	<0.50	0.29	<0.50	0.67	<0.20	--	--	<0.50
MW-3	MW-3-20090320	03/20/2009	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	MW-3-20090708	07/08/2009	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	MW-3-20130228	02/28/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	MW-4-20021119	11/19/2002	<0.65	<0.77	<0.5	<0.87	<0.56	<0.79	<0.57	<0.69	<0.64	<1.33	<0.55	<0.39	<0.99	<0.58	<0.25	<0.74	<0.67	<0.87	<0.47	<0.27	2	<0.53	<0.66	<0.47	<0.87	<0.95	<0.63	<0.62	<0.96	<0.63	<0.84	<0.8	<0.39	<0.11	<0.73	<1.1	<1.83
MW-4	MW-4-20030312	03/12/2003	<0.65	<0.77	<0.5	<0.87	<0.56	<0.79	<0.57	<0.69	<0.64	<1.33	<0.55	<0.39	<0.99	<0.58	<0.25	<0.74	<0.67	<0.87	<0.47	<0.27	1.8	<0.53	<0.66	1.5	<0.87	<0.95	<0.63	<0.62	<0.96	<0.63	<0.84	<0.8	<0.39	0.5	<0.73	<1.1	<1.83
MW-4	MW-4-20060216	02/16/2006	<0.2	<0.1	<0.1	<0.15	<0.15	<0.2	<0.5	<0.15	<0.15	<0.3	0.296 J	<0.1	<0.1	<0.2	<0.15	<0.1	<0.1	<0.15	<0.2	<0.2	5.57	<0.1	<0.1	<0.4	0.112 J	<0.1	<1.00	<0.15	<0.15	<0.1	<0.4	0.138 J	<0.2	<0.15	<0.1	<0.4	<0.5
MW-4	MW-4-20060530	05/30/2006	<0.2	<0.1	<0.1	<0.15	<0.15	<0.3	<0.5	<0.15	<0.15	<0.3	0.3 J	<0.1	<0.1	<0.2	<0.15	<0.1	<0.1	<0.15	<0.2	<0.2	4.55	<0.1	<0.1	<0.4	0.22 J	<0.1	<1.00	<0.15	<0.15	<0.1	<0.4	0.3 J	<0.2	<0.15	<0.10	<0.40	<0.5
MW-4	MW-4-20060829	08/29/2006	<0.2	<0.1	<0.1	<0.15	<0.15	<0.3	<0.5	--	--	<0.3	0.37	<0.1	<0.1	<0.2	0.15	<0.1	<0.1	<0.15	<0.2	<0.2	4.54	<0.1	<0.1	<0.4	<0.1	<0.1	<1.00	<0.15	<0.15	<0.1	0.44	<0.1	<0.2	<0.15	--	--	<0.5
MW-4	MW-4-20061115	11/15/2006	<0.2	<0.1	<0.1	<0.15	<0.15	0.52	<0.5	--	--	<0.3	0.41	<0.1	<0.1	<0.2	<0.15	<0.1	<0.1	<0.15	<0.2	<0.2	5.24	<0.1	<0.1	<0.4	0.27	<0.1	<1.00	<0.15	<0.15	<0.1	<0.4	0.3	<0.2	<0.15	--	--	<0.5
MW-4	MW-4-20080218	02/18/2008	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	MW-4-20080521	05/21/2008	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	MW-4-20090320	03/20/2009	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	MW-4-20090708	07/08/2009	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	MW-4-20111005	10/05/2011	<0.50	<0.20	<0.25	<0.50	<0.50	<0.50	<0.25	--	--	--	<0.50	<0.50	<0.50	<0.20	<0.20	<0.20	<0.50	<0.50	<0.80	<0.30	5.8	<0.50	<0.20	<1.0	<0.50	<0.50	<0.25	<0.25	<0.20	<0.50	13	<0.50	<0.20	<0.20	--	--	<0.50
MW-4	MW-4-20111104	11/04/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	MW-4-20130228	02/28/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	MW-5-20060216	02/16/2006	<0.2	<0.1	<0.1	<0.15	<0.15	<0.2	<0.5	<0.15	<0.15	<0.3	0.357	<0.1	<0.1	<0.2	<0.15	<0.1	<0.1	<0.15	<0.2	<0.2	8.26	<0.1	<0.1	<0.4	<0.1	<0.1	<1.00	<0.15	<0.15	<0.1	<0.4	0.262 J	<0.2	<0.15	<0.1	<0.4	<0.5
MW-5	MW-5-20060530	05/30/2006	<0.2	<0.1	<0.1	<0.15	<0.15	<0.3	<0.5	<0.15	<0.15	<0.3	0.29 J	<0.1	<0.1	<0.2	<0.15	<0.1	<0.1	<0.15	<0.2	<0.2	5.98	<0.1	<0.1	<0.4	0.17 J	<0.1	<1.00	<0.15	<0.15	<0.1	<0.4	0.46 J	<0.2	<0.15	<0.10	<0.40	<0.5
MW-5	MW-5-20060530-Dup	05/30/2006	<0.2	<0.1	<0.1	<0.15	<0.15	<0.3	<0.5	<0.15	<0.15	<0.3	0.24 J	<0.1	<0.1	<0.2	<0.15	<0.1	<0.1	<0.15	<0.2	<0.2	5.49	0.11	<0.1	<0.4	0.18 J	<0.1	<1.00	<0.15	<0.15	<0.1	<0.4	0.48 J	<0.2	<0.15	<0.10	<0.40	<0.5
MW-5	MW-5-20060829	08/29/2006	<0.2	<0.1	<0.1	<0.15	<0.15	<0.3	<0.5	--	--	<0.3	0.35	<0.1	<0.1	<0.2	<0.15	<0.1	<0.1	<0.15	<0.2	<0.2	7.34	<0.1	<0.1	<0.4	<0.10	<0.1	<1.00	<0.15	<0.15	<0.1	<0.4	0.2	<0.2	<0.15	--	--	<0.5
MW-5	MW-5-20061115	11/15/2006	<0.2	<0.1	<0.1	<0.15	<0.15	0.34	<0.5	--	--	<0.3	0.34	<0.1	0.12	<0.2	<0.15	<0.1	<0.1	<0.15	<0.2	<0.2	9.97	<0.1	<0.1	<0.4	0.18	<0.1	<1.00	<0.15	<0.15	<0.1	<0.4	0.53	<0.2	<0.15	--	--	<0.5
MW-5	MW-5-20080218	02/18/2008	<0.50	<0.20	<0.25	<0.50	<0.50	<0.50	<0.25	--	--	<0.40	<0.50	<0.50	<0.50	<0.20	<0.20	<0.20	<0.50	<0.20	<0.50	<0.20	6.5	<0.50	<0.20	<1.0	<0.50	<0.50	<0.25	<0.25	<0.20	<0.50	0.33	<0.50	<0.20	<0.20	--	--	<0.50
MW-5	MW-5-20080521	05/21/2008	<0.50	<0.20	<0.25	<0.50	<0.50	<0.50	<0.25	--	--	<0.40	<0.50	<0.50	<0.50	<0.20	<0.20	<0.20	<0.50	<0.20	<0.50	<0.20	8.6	<0.50	<0.20	<1.0	<0.50	<0.50	<0.25	<0.25	<0.20	<0.50	<0.20	<0.50	<0.20	<0.20	--	--	<0.50
MW-5	MW-5-20090319	03/19/2009	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.45	--	--	--	--	--	--	--	--	--	--	--	--	<0.016	--	--	--
MW-5	MW-5-20090708	07/08/2009	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	8.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	MW-5-20111005	10/05/2011	<0.50	<0.20	<0.25	<0.50	<0.50	<0.50	<0.25	--	--	--	<0.50	<0.50	<0.50	<0.20	<0.20	<0.20	<0.50	<0.50	<0.80	<0.30	3.6	<0.50	<0.20	<1.0	<0.50	<0.50	<0.25	<0.25	<0.20	<0.50	<0.50	<0.50	<0.20	<0.20	--	--	<0.50
MW-5	MW-5-20111104	11/04/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	MW-5-20130228	02/28/2013	<0.20	<0.23	<0.28	<0.19	<0.31	<0.34	<0.31	--	--	<0.18	<0.28	<0.20	<0.32	<0.17	<0.074	<0.25	<0.40	<0.31	<0.26	<0.18	4.7	<0.13	<0.14	<0.68	<0.24	<0.13	<0.16	<0.15	<0.14	<0.17	<0.11	<0.25	<0.19	<0.10	--	--	<0.068
MW-5	MW-5-20180809	08/09/2018	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 9. Historical Groundwater Sample Analytical Results (2002-2020)

Former Mirro Plant No. 20
44 Walnut Street, Chilton, WI
BRRTS No.: 02-08-520157 (ERP) & 06-08-42696 (VPLE) FID: 408021130

Sample Location	Sample ID	Sample Date	VOC 1,1,1-Trichloroethane	VOC 1,1,2,2-Tetrachloroethane	VOC 1,1,2-Trichloroethane	VOC 1,1-Dichloroethane	VOC 1,1-Dichloroethene	VOC 1,1-Dichloropropene	VOC 1,2,4-Trichlorobenzene	VOC 1,2,4-Trimethylbenzene	VOC 1,3,5-Trimethylbenzene	VOC Trimethylbenzenes, Total[1]	VOC 1,2-Dichloroethane	VOC 1,2-Dichloropropane	VOC 2,2-Dichloropropane	VOC 4-Isopropyltoluene	VOC Benzene	VOC Bromobenzene	VOC Bromochloromethane	VOC Bromomethane	VOC Carbon Tetrachloride	VOC Chloromethane	VOC cis-1,2-Dichloroethene	VOC Ethylbenzene	VOC Isopropylbenzene	VOC Methylene chloride (Dichloromethane)	VOC Methyl-tert-butyl-ether	VOC n-Propylbenzene	VOC Naphthalene	VOC sec-Butylbenzene	VOC tert-Butylbenzene	VOC Tetrachloroethene	VOC Toluene	VOC trans-1,2-Dichloroethene	VOC Trichloroethene	VOC Vinyl Chloride	VOC Xylene, o	VOC Xylenes, m + p	VOC Xylenes, Total[2]
Reporting Units:			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
WI Groundwater ES*:			**200**	**0.2**	**5**	**850**	**7**	**NS**	**70**	**NS**	**NS**	**480**	**5**	**5**	**NS**	**NS**	**5**	**NS**	**NS**	**10**	**5**	**30**	**70**	**700**	**NS**	**5**	**60**	**NS**	**100**	**NS**	**NS**	**5**	**800**	**100**	**5**	**0.2**	**NS**	**NS**	**2,000**
WI Groundwater PAL*:			40	0.02	0.5	85	0.7	NS	14	NS	NS	96	0.5	0.5	NS	NS	0.5	NS	NS	1	0.5	3	7	140	NS	0.5	12	NS	10	NS	NS	0.5	160	20	0.5	0.02	NS	NS	400
MW-6	MW-6-20060216	02/16/2006	<0.2	<0.1	<0.1	<0.15	<0.15	<0.2	<0.5	<0.15	<0.15	<0.3	0.678	<0.1	<0.1	<0.2	<0.15	<0.1	<0.1	<0.15	<0.2	<0.2	0.869	<0.1	<0.1	<0.4	<0.1	<0.1	<1.00	<0.15	<0.15	<0.1	<0.4	<0.1	<0.2	<0.15	<0.1	<0.4	<0.5
MW-6	MW-6-20060530	05/30/2006	<0.2	<0.1	<0.1	<0.15	<0.15	<0.3	<0.5	<0.15	<0.15	<0.3	0.67	<0.1	<0.1	<0.2	<0.15	<0.1	<0.1	<0.15	<0.2	0.24 J	0.81	<0.1	<0.1	<0.4	0.21 J	<0.1	<1.00	<0.15	<0.15	<0.1	<0.4	<0.1	<0.2	<0.15	<0.10	<0.40	<0.5
MW-6	MW-6-20060829	08/29/2006	<0.2	<0.1	<0.1	<0.15	<0.15	<0.3	<0.5	--	--	<0.3	0.69	<0.1	<0.1	<0.2	<0.15	<0.1	<0.1	<0.15	<0.2	<0.2	1.36	0.1	<0.1	<0.4	<0.1	<0.1	<1.00	<0.15	<0.15	<0.1	<0.4	<0.1	<0.2	<0.15	--	--	<0.5
MW-6	MW-6-20061115	11/15/2006	<0.2	<0.1	<0.1	<0.15	<0.15	<0.3	<0.5	--	--	<0.3	0.64	<0.1	<0.1	<0.2	<0.15	<0.1	<0.1	<0.15	<0.2	<0.2	2.79	<0.1	<0.1	<0.4	0.24	<0.1	<1.00	<0.15	<0.15	<0.1	<0.4	<0.1	<0.2	<0.15	--	--	<0.5
MW-6	MW-6-20080218	02/18/2008	<0.50	<0.20	<0.25	<0.50	<0.50	<0.50	<0.25	--	--	<0.40	<0.50	<0.50	<0.50	<0.20	<0.20	<0.20	<0.50	<0.20	<0.50	<0.20	2.2	<0.50	<0.20	<1.0	<0.50	<0.50	<0.25	<0.25	<0.20	<0.50	<0.20	<0.50	<0.20	<0.20	--	--	<0.50
MW-6	MW-6-20080521	05/21/2008	<0.50	<0.20	<0.25	<0.50	<0.50	<0.50	<0.25	--	--	<0.40	<0.50	<0.50	<0.50	<0.20	<0.20	<0.20	<0.50	<0.20	<0.50	<0.20	1.2	<0.50	<0.20	<1.0	<0.50	<0.50	<0.25	<0.25	<0.20	<0.50	<0.20	<0.50	<0.20	<0.20	--	--	<0.50
MW-6	MW-6-20090319	03/19/2009	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	MW-6-20090708	07/08/2009	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	MW-6-20130228	02/28/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	MW-7-20060216	02/16/2006	<0.2	<0.1	<0.1	<0.15	<0.15	<0.2	<0.5	<0.15	<0.15	<0.3	0.786	<0.1	<0.1	<0.2	<0.15	<0.1	<0.1	<0.15	<0.2	<0.2	1.82	<0.1	<0.1	<0.4	<0.1	<0.1	<1.00	<0.15	<0.15	<0.1	<0.4	<0.1	<0.2	<0.15	<0.1	<0.4	<0.5
MW-7	MW-7-20060530	05/30/2006	<0.2	<0.1	<0.1	<0.15	<0.15	<0.3	<0.5	<0.15	<0.15	<0.3	0.53	<0.1	<0.1	<0.2	<0.15	<0.1	<0.1	<0.15	<0.2	<0.2	1.38	<0.1	<0.1	<0.4	0.13 J	<0.1	<1.00	<0.15	<0.15	<0.1	<0.4	<0.1	<0.2	<0.15	<0.10	<0.40	<0.5
MW-7	MW-7-20060829	08/29/2006	<0.2	<0.1	<0.1	<0.15	<0.15	<0.3	<0.5	--	--	<0.3	0.77	<0.1	<0.1	<0.2	<0.15	<0.1	<0.1	<0.15	<0.2	<0.2	3.27	<0.1	<0.1	<0.4	0.13	<0.1	<1.00	<0.15	<0.15	<0.1	<0.4	<0.1	<0.2	<0.15	--	--	<0.5
MW-7	MW-7-20061115	11/15/2006	<0.2	<0.1	<0.1	<0.15	<0.15	0.32	<0.5	--	--	<0.3	0.96	<0.1	<0.1	<0.2	<0.15	<0.1	<0.1	<0.15	<0.2	<0.2	1.86	<0.1	<0.1	<0.4	<0.1	<0.1	<1.00	<0.15	<0.15	<0.1	<0.4	<0.1	<0.2	<0.15	--	--	<0.5
MW-7	MW-7-20080218	02/18/2008	<0.50	<0.20	<0.25	<0.50	<0.50	<0.50	<0.25	--	--	<0.40	0.73	<0.50	<0.50	<0.20	<0.20	<0.20	<0.50	<0.20	<0.50	<0.20	1.6	<0.50	<0.20	<1.0	<0.50	<0.25	<0.25	<0.25	<0.20	<0.50	<0.20	<0.50	<0.20	<0.20	--	--	<0.50
MW-7	MW-7-20080521	05/21/2008	<0.50	<0.20	<0.25	<0.50	<0.50	<0.50	<0.25	--	--	<0.40	<0.50	<0.50	<0.50	<0.20	<0.20	<0.20	<0.50	<0.20	<0.50	<0.20	1.3	<0.50	<0.20	<1.0	<0.50	<0.25	<0.25	<0.25	<0.20	<0.50	<0.20	<0.50	<0.20	<0.20	--	--	<0.50
MW-7	MW-7-20090319	03/19/2009	--	--	--	--	--	--	--	--	--	--	0.28	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.016	--	--	--
MW-7	MW-7-20090708	07/08/2009	--	--	--	--	--	--	--	--	--	--	0.79	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	MW-7-20111005	10/05/2011	<0.50	<0.20	<0.25	<0.50	<0.50	<0.50	<0.25	--	--	--	0.73	<0.50	<0.50	<0.20	<0.20	<0.20	<0.50	<0.50	<0.80	<0.30	2	<0.50	<0.20	<1.0	<0.50	<0.50	<0.25	<0.25	<0.20	<0.50	<0.50	<0.50	<0.20	<0.20	--	--	<0.50
MW-7	MW-7-20111104	11/04/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	MW-7-20130228	02/28/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8	MW-8-20060216	02/16/2006	0.241 J	<0.1	<0.1	0.26 J	<0.15	<0.2	<0.5	<0.15	<0.15	<0.3	<0.1	<0.1	<0.1	<0.2	<0.15	<0.1	<0.1	<0.15	<0.2	<0.2	5.06	<0.1	<0.1	<0.4	<0.1	<0.1	<1.00	<0.15	<0.15	0.236 J	0.4	<0.1	0.228 J	<0.15	<0.1	<0.4	<0.5
MW-8	MW-8-20060530	05/30/2006	<0.2	<0.1	<0.1	<0.15	<0.15	<0.3	<0.5	<0.15	<0.15	<0.3	0.11 J	<0.1	<0.1	<0.2	<0.15	<0.1	<0.1	<0.15	<0.2	0.28 J	8.83	<0.1	<0.1	<0.4	0.19 J	<0.1	<1.00	<0.15	<0.15	<0.1	<0.4	0.22 J	2.66	0.16 J	<0.10	<0.40	<0.5
MW-8	MW-8-20060829	08/29/2006	0.29	<0.1	<0.1	<0.15	<0.15	<0.3	<0.5	--	--	<0.3	<0.1	<0.1	<0.1	<0.2	<0.15	<0.1	<0.1	<0.15	<0.2	<0.2	4.86	<0.1	<0.1	<0.4	<0.10	<0.1	<1.00	<0.15	<0.15	0.12	<0.4	<0.1	1.93	<0.15	--	--	<0.5
MW-8	MW-8-20061115	11/15/2006	<0.2	<0.1	<0.1	0.25	<0.15	<0.3	<0.5	--	--	<0.3	<0.10	<0.1	<0.1	<0.2	<0.15	<0.1	<0.1	<0.15	<0.2	<0.2	2.86	<0.1	<0.1	<0.4	<0.10	<0.1	<1.00	<0.15	<0.15	0.16	<0.4	<0.1	1.11	<0.15	--	--	<0.5
MW-8	MW-8-20061115-Dup	11/15/2006	<0.2	<0.1	<0.1	0.36	<0.15	<0.3	<0.5	--	--	<0.3	<0.10	<0.1	<0.1	<0.2	<0.15	<0.1	<0.1	<0.15	<0.2	<0.2	2.61	<0.1	<0.1	<0.4	<0.10	<0.1	<1.00	<0.15	<0.15	0.2	<0.4	<0.1	1.06	<0.15	--	--	<0.5
MW-8	MW-8-20080218	02/18/2008	<0.50	<0.20	<0.25	<0.50	<0.50	<0.50	<0.25	--	--	<0.40	<0.50	<0.50	<0.50	<0.20	<0.20	<0.20	<0.50	<0.20	<0.50	<0.20	21	<0.50	<0.20	<1.0	<0.50	<0.50	<0.25	<0.25	<0.20	<0.50	<0.20	<0.50	1.6	0.61	--	--	<0.50
MW-8	MW-8-20080521	05/21/2008	<0.50	<0.20	<0.25	<0.50	<0.50	<0.50	<0.25	--	--	<0.40	<0.50	<0.50	<0.50	<0.20	<0.20	<0.20	<0.50	<0.20	<0.50	<0.20	21	<0.50	<0.20	<1.0	<0.50	<0.50	<0.25	<0.25	<0.20	<0.50	<0.20	<0.50	16	0.25	--	--	<0.50
MW-8	MW-8-20090320	03/20/2009	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	72	--	--	--	--	--	--	--	--	--	--	--	16	1.3	--	--	--
MW-8	MW-8-20090708	07/08/2009	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	58	--	--	--	--	--	--	--	--	--	--	--	46	0.24	--	--	--
MW-8	MW-8-20111006	10/06/2011	<0.20	<0.23	<0.28	<0.19	<0.31	<0.34	<0.31	--	--	--	<0.36	<0.20	<0.32	<0.17	<0.20	<0.20	<0.50	<0.50	<0.80	<0.30	47	<0.13	<0.14	<0.68	<0.24	<0.13	<0.16	<0.25	<0.20	42	<0.11	0.6	37	<0.10	--	--	<0.068
MW-8	MW-8-20111104	11/04/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8	MW-8-20130228	02/28/2013	<0.20	<0.23	<0.28	<0.19	<0.31	<0.34	<0.31	--	--	--	<0.36	<0.20	<0.32	<0.17	<0.074	<0.25	<0.40	<0.31	<0.26	<0.18	91	<0.13	<0.14	<0.68	<0.24	<0.13	<0.16	<0.15	<0.14	18	<0.11	1.1	12	2.7	--	--	<0.068
MW-8	MW-8-20200604	06/04/2020	<0.38	<0.4	<0.35	<0.41	<0.39	<0.3	<0.34	<0.36	<0.25	<0.61	<0.36	<0.43	<0.44	<0.36	<0.15	<0.36	<0.43	<0.8	<0.38	<0.32	160	<0.18	<0.39	<1.6	<0.39	<0.41	<0.34	<0.4	<0.4	10	<0.15	7.9	12	6.3	--	--	<0.22
MW-9	MW-9-20060216	02/16/2006	0.206 J	<0.1	<0.1	<0.15	<0.15	<0.2	<0.5	1.64	0.409 J	2.049	<0.1	<0.1	<0.1	<0.2	<0.15	<0.1	<0.1	<0.15	<0.2	<0.2	<0.2	0.411	<0.1	<0.4	<0.1	0.117 J	1.87	<0.15	<0.15	<0.1	0.4 J	<0.1	<0.2	<0.15	0.685	1.65	2.335
MW-9	MW-9-20060530	05/30/2006	1.22	<0.1	<0.1	<0.15	<0.15	<0.3	<0.5	<0.15	<0.15	<0.3	<0.1	<0.1	<0.1	<0.2	<0.15	<0.1	<0.1	<0.15	<0.2	0.28 J	<0.2	<0.1	<0.1	<0.4	0.3 J	<0.1	<1.00	<0.15	<0.15	<0.1	<0.4	<0.1	<0.2	<0.15	<0.10	<0.40	<0.5
MW-9	MW-9-20060829	08/29/2006	1.88	<0.1	<0.1	<0.15	<0.15	<0.3	<0.5	--	--	<0.3	<0.1	<0.1	<0.1	<0.2	<0.15	<0.1	<0.1	<0.15	<0.2	<0.20	<0.2	<0.1	<0.1	<0.4	<0.1	<0.1	<1.00	<0.15	<0.15	<0.1	<0.4	<0.1	<0.2	<0.15	--	--	<0.5
MW-9	MW-9-20060829-Dup	08/29/2006	1.74	<0.1	<0.1	<0.15	<0.15	<0.3	<0.5	--	--	<0.3	<0.1	<0.1	<0.1	<0.2	<0.15	<0.1	<0.1	<0.15	<0.2	<0.20	<0.2	<0.1	<0.1	<0.4	<0.1	<0.1	<1.00	<0.15	<0.15	<0.1	<0.4	<0.1	<0.2	<0.15	--	--	<0.5
MW-9	MW-9-20061115	11/15/2006	<0.2	<0.1	<0.1	<0.15	<0.15	<0.3	<0.5	--	--	<0.3	<0.1	<0.1	<0.1	<0.2	<0.15	<0.1	<0.1	<0.15	0.52	<0.20	<0.2	<0.1	<0.1	<0.4	<0.1	<0.1	<1.00	<0.15	<0.15	<0.1	<0.4	<0.1	<0.2	<0.15	--	--	<0.5
MW-9	MW-9-20080218	02/18/2008	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	MW-9-20080521	05/21/2008	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	MW-9-20090320	03/20/2009	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.016	--	--	--
MW-9	MW-9-20090708	07/08/2009	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	MW-9-20111005	10/05/2011	4.9	<0.20	<0.25	<0.50	<0.50	<0.50	<0.25	--	--	--	<0.50	<0.50	<0.50	<0.20	<0.20	<0.20	<0.50	<0.50	<0.80	<0.30	<0.50	<0.50	<0.20	<1.0	<0.50	<0.50	<0.25	<0.25	<0.20	<0.50	<0.50	<0.50	<0.20	<0.20	--	--	<0.50
MW-9	MW-9-20111104	11/04/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	MW-9-20130228	02/28/2013	1.3	<0.23	<0.28	<0.19	<0.31	<0.34	<0.31	--	--	--	<0.36	<0.20	<0.32	<0.17	<0.074	<0.25	<0.40	<0.31	<0.26	<0.18	<1.2	<0.13	<0.14	<0.68	<0.24	<0.13	<0.16	<0.15	<0.14	<0.17	0.29 J	<0.25	<0.19	<0.10	--	--	<0.068
MW-9	MW-9-20200604	06/04/2020	1.2	<0.4	<0.35	<0.41	<0.39	<0.3	<0.34	<0.36	<0.25	<0.61	<0.36	<0.43	<0.44	<0.36	<0.15	<0.36	<0.43	<0.8	<0.38	<0.32	<0.41	<0.18	<0.39	<1.6	<0.39	<0.41	<0.34	<0.4	<0.4	<0.37	<0.15	<0.35	<0.16	<0.2	--	--	<0.22

Table 9. Historical Groundwater Sample Analytical Results (2002-2020)

Former Mirro Plant No. 20
44 Walnut Street, Chilton, WI
BRRTS No.: 02-08-520157 (ERP) & 06-08-426946 (VPLE) FID: 408021130

			VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC
Sample Location	Sample ID	Sample Date	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,1-Dichloropropene	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Trimethylbenzenes, Total[1]	1,2-Dichloroethane	1,2-Dichloropropane	2,2-Dichloropropane	4-Isopropyltoluene	Benzene	Bromobenzene	Bromochloromethane	Bromomethane	Carbon Tetrachloride	Chloromethane	cis-1,2-Dichloroethene	Ethylbenzene	Isopropylbenzene	Methylene chloride (Dichloromethane)	Methyl-tert-butyl-ether	n-Propylbenzene	Naphthalene	sec-Butylbenzene	tert-Butylbenzene	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl Chloride	Xylene, o	Xylenes, m + p	Xylenes, Total[2]
	Reporting Units:		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
	WI Groundwater ES*:		**200**	**0.2**	**5**	**850**	**7**	**NS**	**70**	**NS**	**NS**	**480**	**5**	**5**	**NS**	**NS**	**5**	**NS**	**NS**	**10**	**5**	**30**	**70**	**700**	**NS**	**5**	**60**	**NS**	**100**	**NS**	**NS**	**5**	**800**	**100**	**5**	**0.2**	**NS**	**NS**	**2,000**
	WI Groundwater PAL*:		40	0.02	0.5	85	0.7	NS	14	NS	NS	96	0.5	0.5	NS	NS	0.5	NS	NS	1	0.5	3	7	140	NS	0.5	12	NS	10	NS	NS	0.5	160	20	0.5	0.02	NS	NS	400
MW-10	MW-10-20080218	02/18/2008	<0.50	<0.20	<0.25	<0.50	<0.50	<0.50	<0.25	--	--	<0.40	<0.50	<0.50	<0.50	<0.20	<0.20	<0.20	<0.50	<0.20	<0.50	<0.20	<0.50	<0.50	<0.20	<1.0	<0.50	<0.50	<0.25	<0.25	<0.20	<0.50	<0.20	<0.50	<0.20	<0.20	--	--	<0.50
MW-10	MW-10-20080521	05/21/2008	<0.50	<0.20	<0.25	<0.50	<0.50	<0.50	<0.25	--	--	<0.40	<0.50	<0.50	<0.50	<0.20	<0.20	<0.20	<0.50	<0.20	<0.50	<0.20	<0.50	<0.50	<0.20	<1.0	<0.50	<0.50	<0.25	<0.25	<0.20	<0.50	<0.20	<0.50	<0.20	<0.20	--	--	<0.50
MW-10	MW-10-20090319	03/19/2009	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.016	--	--	--
MW-10	MW-10-20090708	07/08/2009	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-10	MW-10-20111005	10/05/2011	<0.50	<0.20	<0.25	<0.50	<0.50	<0.50	<0.25	--	--	--	<0.50	<0.50	<0.50	<0.20	<0.20	<0.20	<0.50	<0.50	<0.80	<0.30	<0.50	<0.50	<0.20	<1.0	<0.50	<0.50	<0.25	<0.25	<0.20	<0.50	<0.50	<0.50	<0.20	<0.20	--	--	<0.50
MW-10	MW-10-20111005-Dup	10/05/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.20	<0.20	<0.50	<0.50	<0.80	<0.30	--	--	--	--	--	--	--	<0.25	<0.20	--	--	--	--	--	--	--	--
MW-10	MW-10-20111104	11/04/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-10	MW-10-20130228	02/28/2013	<0.20	<0.23	<0.28	<0.19	<0.31	<0.34	<0.31	--	--	<0.18	<0.28	<0.20	<0.32	<0.17	<0.074	<0.25	<0.40	<0.31	<0.26	<0.18	<0.12	<0.13	<0.14	<0.68	<0.24	<0.13	<0.16	<0.15	<0.14	<0.17	<0.11	<0.25	<0.19	<0.10	--	--	<0.068
MW-10	MW-10-20180809	08/09/2018	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OMPZ-3	OMPZ-3-20150311	03/11/2015	<0.84	<0.52	<0.48	<1.1	<0.65	--	<1.7	<1.6	<1.5	<3.1	<0.54	<0.43	<3.1	<1.1	<0.44	<0.48	--	--	<0.65	<1.9	**86**	<0.71	<0.82	<1.3	<1.1	<0.77	<1.6	<1.2	<1.1	**25.5**	2.11	3.3	**26.6**	<0.17	<0.9	<2.2	<3.1
OMPZ-4	OMPZ-4-20150311	03/11/2015	<0.84	<0.52	<0.48	<1.1	<0.65	--	<1.7	<1.6	<1.5	<3.1	0.79 J	<0.43	<3.1	<1.1	<0.44	<0.48	--	--	<0.65	<1.9	<0.45	<0.71	<0.82	<1.3	<1.1	<0.77	<1.6	<1.2	<1.1	<0.74	0.86 J	<0.54	<0.47	<0.17	<0.9	<2.2	<3.1
PZ-5	PZ-5-20131105	11/05/2013	<0.33	<0.45	<0.34	<0.3	<0.4	--	<0.98	<2.2	<1.4	<3.6	<0.41	<0.32	<0.36	<0.31	<0.24	<0.32	--	--	<0.33	<0.81	4.9	<0.55	<0.3	<0.5	<0.23	<0.25	<1.7	<0.33	<0.36	<0.33	<0.69	<0.35	<0.33	**0.61**	<0.63	<0.69	<1.32
PZ-5	PZ-5-20060216	02/16/2006	<0.2	<0.1	<0.1	<0.15	<0.15	<0.2	<0.5	<0.15	<0.15	<0.3	0.335	<0.1	<0.1	<0.2	<0.15	<0.1	<0.1	<0.15	<0.2	<0.2	<0.2	<0.1	<0.1	<0.4	<0.1	<0.1	<1.00	<0.15	<0.15	<0.1	<0.4	<0.1	<0.2	<0.15	<0.1	<0.4	<0.5
PZ-5	PZ-5-20060530	05/30/2006	<0.2	<0.1	<0.1	<0.15	<0.15	<0.3	<0.5	<0.15	<0.15	<0.3	0.31 J	<0.1	<0.1	<0.2	<0.15	<0.1	<0.1	<0.15	<0.2	<0.2	0.21 J	<0.1	<0.1	<0.4	0.14 J	<0.1	<1.00	<0.15	<0.15	<0.1	<0.4	<0.1	<0.2	<0.15	<0.10	<0.40	<0.5
PZ-5	PZ-5-20060829	08/29/2006	<0.2	<0.1	<0.1	<0.15	<0.15	<0.3	<0.5	--	--	<0.3	0.38	<0.1	<0.1	<0.2	<0.15	<0.1	<0.1	<0.15	<0.2	<0.2	<0.20	<0.1	<0.1	<0.4	<0.1	<0.1	<1.00	<0.15	<0.15	<0.1	<0.4	<0.1	<0.2	<0.15	--	--	<0.5
PZ-5	PZ-5-20061115	11/15/2006	<0.2	<0.1	<0.1	<0.15	<0.15	<0.3	<0.5	--	--	<0.3	0.48	<0.1	<0.1	<0.2	<0.15	<0.1	<0.1	<0.15	<0.2	<0.2	0.26	<0.1	<0.1	<0.4	0.12	<0.1	<1.00	<0.15	<0.15	<0.1	<0.4	<0.1	<0.2	<0.15	--	--	<0.5
PZ-5	PZ-5-20080218	02/18/2008	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PZ-5	PZ-5-20080521	05/21/2008	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PZ-5	PZ-5-20090319	03/19/2009	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.016	--	--	--
PZ-5	PZ-5-20090708	07/08/2009	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PZ-5	PZ-5-20111006	10/06/2011	<0.50	<0.20	<0.25	<0.50	<0.50	<0.50	<0.25	--	--	--	**6.3**	<0.50	<0.50	<0.20	<0.20	<0.20	<0.50	<0.50	<0.80	<0.30	0.8	<0.50	<0.20	<1.0	<0.50	<0.50	<0.25	<0.25	<0.20	<0.50	<0.50	<0.50	0.28	<0.20	--	--	<0.50
PZ-5	PZ-5-20111104	11/04/2011	--	--	--	--	--	--	--	--	--	--	**5.2**	--	--	--	--	--	--	--	--	--	1.3	--	--	--	--	--	--	--	--	--	--	--	0.57	--	--	--	--
PZ-5	PZ-5-20130228	02/28/2013	<0.20	<0.23	<0.28	<0.19	<0.31	<0.34	<0.31	--	--	<0.18	**5.2**	<0.20	<0.32	<0.17	<0.074	<0.25	<0.40	<0.31	<0.26	<0.18	1.3	<0.13	<0.14	<0.68	<0.24	<0.13	<0.16	<0.15	<0.14	<0.17	<0.11	<0.25	0.57	<0.10	--	--	<0.068
PZ-5	PZ-5-20180809	08/09/2018	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PZ-8	PZ-8-20130228	02/28/2013	<0.20	<0.23	<0.28	<0.19	<0.31	<0.34	<0.31	--	--	--	<0.36	<0.20	<0.32	<0.17	<0.074	<0.25	<0.40	<0.31	<0.26	<0.18	60	<0.13	<0.14	<0.68	<0.24	<0.13	<0.16	<0.15	<0.14	1.1	<0.11	1.1	**17**	<0.10	--	--	<0.068
PZ-9	PZ-9-20131105	11/05/2013	<0.33	<0.45	<0.34	<0.3	0.96 J	--	<0.98	<2.2	<1.4	<3.6	<0.41	<0.32	<0.36	<0.31	<0.24	<0.32	--	--	<0.33	<0.81	**280**	<0.55	<0.3	<0.5	<0.23	<0.25	<1.7	<0.33	<0.36	**256**	<0.69	3.3	239	**0.49 J**	<0.63	<0.69	<1.32
PZ-9	PZ-9-20080218	02/18/2008	<0.50	<0.20	<0.25	<0.50	<0.50	<0.50	<0.25	--	--	<0.40	<0.50	<0.50	<0.50	<0.20	<0.20	<0.20	<0.50	<0.20	<0.50	<0.20	5.3	<0.50	<0.20	<1.0	<0.50	<0.50	<0.25	<0.25	<0.20	1.1	<0.20	<0.50	**12**	<0.20	--	--	<0.50
PZ-9	PZ-9-20080521	05/21/2008	<0.50	<0.20	<0.25	<0.50	<0.50	<0.50	<0.25	--	--	<0.40	<0.50	<0.50	<0.50	<0.20	<0.20	<0.20	<0.50	<0.20	<0.50	<0.20	10	<0.50	<0.20	<1.0	<0.50	<0.50	<0.25	<0.25	<0.20	0.93	<0.20	<0.50	**16**	**0.28**	--	--	<0.50
PZ-9	PZ-9-20090320	03/20/2009	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	69	--	--	--	--	--	--	--	--	0.34	--	--	**80**	**0.75**	--	--	--
PZ-9	PZ-9-20090708	07/08/2009	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**120**	--	--	--	--	--	--	--	--	0.72	--	--	**150**	**1.2**	--	--	--
PZ-9	PZ-9-20111005	10/05/2011	<0.50	<0.20	<0.25	<0.50	<0.50	<0.50	<0.25	--	--	--	<0.50	<0.50	<0.50	<0.20	<0.20	<0.20	<0.50	<0.50	<0.80	<0.30	**520**	<0.50	<0.20	<1.0	<0.50	<0.50	<0.25	<0.25	<0.20	**7.2**	<0.50	1.7	**330**	**0.36**	--	--	<0.50
PZ-9	PZ-9-20111104	11/04/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PZ-9	PZ-9-20130228	02/28/2013	<0.20	<0.23	<0.28	<0.19	1.7	<0.34	<0.31	--	--	--	<0.36	<0.20	<0.32	<0.17	<0.074	<0.25	<0.40	<0.31	<0.26	<0.18	**510**	<0.13	<0.14	<0.68	<0.24	<0.13	<0.16	<0.15	<0.14	**190**	<0.11	3.9	**300**	**0.6**	--	--	<0.068
PZ-9	PZ-9-20200604	06/04/2020	1.2	<0.4	<0.35	<0.41	<0.39	<0.3	<0.34	<0.36	<0.25	<0.61	<0.36	<0.43	<0.44	<0.36	<0.15	<0.36	<0.43	<0.8	<0.38	<0.32	50	<0.18	<0.39	<1.6	<0.39	<0.41	<0.34	<0.4	<0.4	**210**	<0.15	4.6	**56**	<0.2	--	--	<0.22
PZ-10	PZ-10-20080218	02/18/2008	<0.50	<0.20	<0.25	<0.50	<0.50	<0.50	<0.25	--	--	<0.40	1.8	<0.50	<0.50	<0.20	<0.20	<0.20	<0.50	<0.20	<0.50	<0.20	<0.50	<0.50	<0.20	<1.0	<0.50	<0.50	<0.25	<0.25	<0.20	<0.50	0.26	<0.50	<0.20	<0.20	--	--	<0.50
PZ-10	PZ-10-20080521	05/21/2008	<0.50	<0.20	<0.25	<0.50	<0.50	<0.50	<0.25	--	--	<0.40	1.3	<0.50	<0.50	<0.20	<0.20	<0.20	<0.50	<0.20	<0.50	<0.20	0.56	<0.50	<0.20	<1.0	<0.50	<0.50	<0.25	<0.25	<0.20	<0.50	0.26	<0.50	<0.20	<0.20	--	--	<0.50
PZ-10	PZ-10-20090319	03/19/2009	--	--	--	--	--	--	--	--	--	--	**7**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.17	--	--	--	--
PZ-10	PZ-10-20090708	07/08/2009	--	--	--	--	--	--	--	--	--	--	**13**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**0.26**	--	--	--	--
PZ-10	PZ-10-20111005	10/05/2011	<0.50	<0.20	<0.25	<0.50	<0.50	<0.50	<0.25	--	--	--	**48**	<0.50	<0.50	<0.20	<0.20	<0.20	<0.50	<0.50	<0.80	<0.30	3.4	<0.50	<0.20	<1.0	<0.50	<0.50	<0.25	<0.25	<0.20	<0.50	<0.50	<0.50	<0.20	**0.33**	--	--	<0.50
PZ-10	PZ-10-20111104	11/04/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PZ-10	PZ-10-20130228	02/28/2013	<0.20	<0.23	<0.28	<0.19	<0.31	<0.34	<0.31	--	--	--	**50**	<0.20	<0.32	<0.17	<0.074	<0.25	<0.40	<0.31	<0.26	<0.18	4.8	<0.13	<0.14	<0.68	<0.24	<0.13	<0.16	<0.15	<0.14	<0.17	<0.11	<0.25	<0.19	<0.10	--	--	<0.068
PZ-10	PZ-10-20180809	08/09/2018	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Total Number of Samples Analyzed:			133	135	133	133	133	129	133	54	54	115	138	133	133	133	133	133	133	129	129	135	133	143	133	133	133	133	133	133	133	135	133	133	140	150	44	44	133
Number of Detections:			10	3	2	3	3	3	1	8	1	13	45	1	1	2	2	2	1	1	1	1	9	90	7	2	4	21	3	1	1	2	19	16	19	40	25	3	2	7
Min:			0.206	0.286	0.21	0.18	0.15	0.32	0.58	0.21	0.409	0.15	0.11	0.26	0.12	0.29	0.15	0.1	0.2	0.18	0.52	0.23	0.21	0.1	0.4	0.67	0.112	0.11	1.87	0.75	0.236	0.12	0.26	0.138	0.228	0.16	0.112	0.796	0.112
Max:			4.9	0.51	0.58	0.26	1.7	0.52	0.58	4.4	0.409	4.4	50	0.26	0.12	0.34	0.157	0.18	0.2	0.18	0.52	0.49	520	0.411	0.602	1.5	1.49	0.138	1.87	0.75	0.252	256	13	7.9	330	6.3	0.685	1.65	2.335
USEPA Groundwater HAL:			NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Exceedances for USEPA GW HAL:			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WI Groundwater ES:			200	0.2	5	850	7	NS	70	NS	NS	480	5	5	NS	NS	5	NS	NS	10	5	30	70	700	NS	5	60	NS	100	NS	NS	5	800	100	5	0.2	NS	NS	2,000
Exceedances for WI Groundwater ES:			0	3	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0	0	8	0	0	17	23	0	0	0
WI Groundwater PAL:			40	0.02	0.5	85	0.7	NS	14	NS	NS	96	0.5	0.5	NS	NS	0.5	NS	NS	1	0.5	3	7	140	NS	0.5	12	NS	10	NS	NS	0.5	160	20	0.5	0.02	NS	NS	400
Exceedances for WI Groundwater PAL:			0	3	1	0	2	0	0	0	0	0	28	0	0	0	0	0	0	0	1	0	30	0	0	4	0	0	0	0	0	14	0	0	35	25	0	0	0

Table 9. Historical Groundwater Sample Analytical Results (2002-2020)

Former Mirro Plant No. 20
44 Walnut Street, Chilton, WI
BRRTS No.: 02-08-520157 (ERP) & 06-08-426946 (VPLE) FID: 408021130

Sample Location	Sample ID	Sample Date	VOC 1,1,1-Trichloroethane	VOC 1,1,2,2-Tetrachloroethane	VOC 1,1,2-Trichloroethane	VOC 1,1-Dichloroethane	VOC 1,1-Dichloroethene	VOC 1,1-Dichloropropene	VOC 1,2,4-Trichlorobenzene	VOC 1,2,4-Trimethylbenzene	VOC 1,3,5-Trimethylbenzene	VOC Trimethylbenzenes, Total[1]	VOC 1,2-Dichloroethane	VOC 1,2-Dichloropropane	VOC 2,2-Dichloropropane	VOC 4-Isopropyltoluene	VOC Benzene	VOC Bromobenzene	VOC Bromochloromethane	VOC Bromomethane	VOC Carbon Tetrachloride	VOC Chloromethane	VOC cis-1,2-Dichloroethene	VOC Ethylbenzene	VOC Isopropylbenzene	VOC Methylene chloride (Dichloromethane)	VOC Methyl-tert-butyl-ether	VOC n-Propylbenzene	VOC Naphthalene	VOC sec-Butylbenzene	VOC tert-Butylbenzene	VOC Tetrachloroethene	VOC Toluene	VOC trans-1,2-Dichloroethene	VOC Trichloroethene	VOC Vinyl Chloride	VOC Xylene, o	VOC Xylenes, m + p	VOC Xylenes, Total[2]
	Reporting Units:		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
	WI Groundwater ES*:		**200**	**0.2**	**5**	**850**	**7**	**NS**	**70**	**NS**	**NS**	**480**	**5**	**5**	**NS**	**NS**	**5**	**NS**	**NS**	**10**	**5**	**30**	**70**	**700**	**NS**	**5**	**60**	**NS**	**100**	**NS**	**NS**	**5**	**800**	**100**	**5**	**0.2**	**NS**	**NS**	**2,000**
	WI Groundwater PAL*:		40	0.02	0.5	85	0.7	NS	14	NS	NS	96	0.5	0.5	NS	NS	0.5	NS	NS	1	0.5	3	7	140	NS	0.5	12	NS	10	NS	NS	0.5	160	20	0.5	0.02	NS	NS	400

Notes:
Select samples analyzed for VOCs, PAHs, SVOCs, Phenols, PCBs, Pesticides, PHC, metals, and/or PFAS; however, only detected VOCs are shown for this submittal.
Historical data from 2003 includes Dissolved VOCs which are not included in this table.

Bold	**attains or exceeds Proposed WI Groundwater ES**
Underlined	attains or exceeds Proposed WI Groundwater PAL
Gray Text	analyte not detected

Statistics exclude the quality control field duplicate samples (DUPs).

Acronyms:
µg/L = micrograms per liter
BRRTS = Bureau for Remediation and Redevelopment Tracking System
DHS = Department of Health Services
DUP = Quality Control Field Duplicate Sample
ES = Enforcement Standard
FID = facility identification number
HAL = Health Advisory Level
ng/L = nanograms per liter
PAH = Polycyclic Aromatic Hydrocarbon
PAL = Preventive Action Limit
PFAS = per- and polyfluoroalkyl substances
USEPA = U.S. Environmental Protection Agency
VOC = Volatile Organic Compound
WDNR = Wisconsin Department of Natural Resources

Results & Flags:
-- = Analysis not performed
< = Concentration is less than the Limit of Detection (LOD)
J = Estimated concentration

Superscripts:
1. Total trimethylbenzenes were calculated by Ramboll as follows:
   a. Where no detections were observed, the sum of the reporting limits is presented.
   b. Where detections were observed, only the detected results were added together for the total summation.
   c. Analytes used for the calculation are 1,2,4-Trimethylbenzene and 1,3,5-Trimethylbenzene.
2. Total Xylenes were calculated by Ramboll as follows:
   a. Where no detections were observed, the sum of the reporting limits is presented.
   b. Where detections were observed, only the detected results were added together for the total summation.
   c. Analytes used for the calculation are Xylene-o and Xylenes-m+p.

*Screening Levels:
PAL and ES from WI Administrative Code NR 140 groundwater quality standard revised effective February 2021.

Lab comments and definitions can be found in associated laboratory reports.

Table 10. Historical Soil Sample Analytical Results (2002-2020)

Former Mirro Plant No. 20
44 Walnut Street, Chilton, WI
BRRTS No.: 02-08-520157 (ERP) & 06-08-426946 (VPLE) FID: 408021130

Sample Location	Sample ID	Sample Depth (feet BGS)	Sample Date	VOC 1,1-Dichloroethene	VOC 1,2,4-Trimethylbenzene	VOC 1,3,5-Trimethylbenzene	VOC Trimethylbenzenes, Total[1]	VOC 4-Isopropyltoluene	VOC Benzene	VOC Dibromochloromethane	VOC Ethylbenzene	VOC Isopropylbenzene	VOC Methylene chloride (Dichloromethane)	VOC n-Butylbenzene	VOC n-Propylbenzene	VOC Naphthalene	VOC sec-Butylbenzene	VOC tert-Butylbenzene	VOC Tetrachloroethene	VOC Toluene	VOC Trichloroethene	VOC Xylene, o	VOC Xylenes, m + p	VOC Xylenes, Total[2]
		Reporting Units:		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		WI Soil GW Pathways DF 2:		*0.005*	*NS*	*NS*	*1.3787*	*NS*	*0.0051*	*0.032*	*1.57*	*NS*	*0.0026*	*NS*	*NS*	*0.6582*	*NS*	*NS*	*0.0045*	*1.1072*	*0.0036*	*NS*	*NS*	*3.96*
		WI Soil Industrial RCLs:		**1,190**	**219**	**182**	**182**	**162**	**7.07**	**38.9**	**35.4**	**268**	**1,150**	**108**	**264**	**24.1**	**145**	**183**	**145**	**818**	**8.41**	**NS**	**NS**	**260**
		WI Soil Non-Industrial RCLs:		320	219	182	182	162	1.6	8.28	8.02	268	61.8	108	264	5.52	145	183	33	818	1.3	NS	NS	260
10N + 5BW of B4	10N + 5BW of B4 (2-4)	2-4	02/07/2008	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10N + 5BW of MW-3	10N + 5BW of MW-3 (0-2)	0-2	02/07/2008	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10N + 5E of B4	10N + 5E of B4 (0-2)	0-2	02/07/2008	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10N + 5E of B4	10N + 5E of B4 (2-4)	2-4	02/07/2008	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10N + 5E of MW-3	10N + 5E of MW-3 (0-2)	0-2	02/07/2008	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10N + 5W of B4	10N + 5W of B4 (0-2)	0-2	02/07/2008	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10S + 5BW of B4	10S + 5BW of B4 (0-2)	0-2	02/07/2008	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10S + 5BW of MW-3	10S + 5BW of MW-3 (0-2)	0-2	02/07/2008	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10S + 5E of B4	10S + 5E of B4 (0-2)	0-2	02/07/2008	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10S + 5E of B4	10S + 5E of B4 (2-4)	2-4	02/07/2008	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10S + 5E of MW-3	10S + 5E of MW-3 (0-2)	0-2	02/07/2008	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B1	B1 (0-2)	0-2	02/13/2006	<0.025	<0.025	<0.025	<0.050	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.0455	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.050
B1	B1 (4-6)	4-6	02/13/2006	<0.025	<0.025	<0.025	<0.050	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.050
B10	B10 (0.5-1.5)	0.5-1.5	02/14/2006	*0.171*	0.0547	0.0438	0.0985	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.0739	<0.025	0.0766	<0.025	<0.025	*0.133*	0.0465	<0.025	0.0492	0.156	0.2052
B-11	B-11 (1-3)	1-3	02/15/2006	<0.025	<0.025	<0.025	<0.050	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.033 J	0.033
B-12	B-12 (1-2)	1-2	02/15/2006	<0.025	<0.025	<0.025	<0.050	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.0286 J	0.0286
B13	B13 (0.5-4.5)	0.5-4.5	02/15/2006	<0.025	<0.025	<0.025	<0.050	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.0276	0.0276
B2	B2 (0-2)	0-2	02/13/2006	<0.025	0.221	0.09	0.311	0.0533	<0.025	<0.025	0.0689	0.0533	<0.025	0.0611	0.0633	0.317	0.0889	<0.025	<0.025	<0.025	<0.025	0.219	0.13	0.349
B2	B2 (2-4)	2-4	02/13/2006	<0.025	<0.025	<0.025	<0.050	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.393 J	0.0393
B3	B3 (0-2)	0-2	02/13/2006	<0.025	0.367	0.113	0.480	0.0719	*0.0905*	<0.025	0.109	0.087	<0.025	0.0568	0.0858	0.365	0.0638	<0.025	<0.025	0.448	<0.025	0.338	0.43	0.768
B3	B3 (2-4)	2-4	02/13/2006	<0.025	<0.025	<0.025	<0.050	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.0445	<0.025	<0.025	<0.025	0.0394	<0.025	0.0356	0.0902	0.1258
B4	B4 (4-6)	4-6	02/13/2006	<0.025	0.237	0.123	0.360	<0.025	<0.025	<0.025	0.0419	<0.025	<0.025	0.153	<0.025	0.0419	<0.025	<0.025	<0.025	0.046	<0.025	0.092	0.254	0.346
B-5	B-5 (0.5-0.8)	0.5-0.8	02/14/2006	<0.025	<0.025	<0.025	<0.050	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.0355 J	0.0355
B-6	B-6 (1.5-3.0)	1.5-3	02/14/2006	<0.025	<0.025	<0.025	<0.050	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.0399 J	0.0399
B7	B7 (1.0-2.5)	1-2.5	02/14/2006	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	2.73	<0.5	<0.5	<0.5	<0.5	<0.5	0.822	<0.5	<0.5	4.29	*4.29*
B8	B8 (1.0-2.5)	1-2.5	02/14/2006	<2.50	91.9	<2.50	*91.9*	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	23	<2.50	*3.69*	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	4.74	*4.74*
B-9	B-9 (1.0-2.0)	1-2	02/14/2006	<0.025	0.082	<0.025	0.082	<0.025	<0.025	<0.025	<0.025	<0.025	*0.174*	0.0364 J	<0.025	0.0353	<0.025	<0.025	<0.025	0.0342	<0.025	<0.025	0.0501	0.0501
MW-1	MW-1 (0-2)	0-2	09/26/2002	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	MW-1 (2-4)	2-4	09/26/2002	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	MW-2 (0-2)	0-2	09/26/2002	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	MW-2 (2-4)	2-4	09/26/2002	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5 PZ-5	MW-5 PZ-5 (0-4)	0-4	02/13/2006	<0.025	<0.025	<0.025	<0.050	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.050
MW-6	MW-6 (0-4)	0-4	02/13/2006	<0.025	<0.025	<0.025	<0.050	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.050
MW-7	MW-7 (0-4)	0-4	02/13/2006	<0.025	<0.025	<0.025	<0.050	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.045	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.050
MW-8	MW-8 (0-4)	0-4	02/13/2006	<0.025	<0.025	<0.025	<0.050	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.050
MW-8	MW-8 (4-6)	4-6	02/13/2006	<0.025	<0.025	<0.025	<0.050	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.050

Table 10. Historical Soil Sample Analytical Results (2002-2020)

Former Mirro Plant No. 20
44 Walnut Street, Chilton, WI
BRRTS No.: 02-08-520157 (ERP) & 06-08-426946 (VPLE) FID: 408021130

				VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC
Sample Location	Sample ID	Sample Depth (feet BGS)	Sample Date	1,1-Dichloroethene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Trimethylbenzenes, Total[1]	4-Isopropyltoluene	Benzene	Dibromochloromethane	Ethylbenzene	Isopropylbenzene	Methylene chloride (Dichloromethane)	n-Butylbenzene	n-Propylbenzene	Naphthalene	sec-Butylbenzene	tert-Butylbenzene	Tetrachloroethene	Toluene	Trichloroethene	Xylene, o	Xylenes, m + p	Xylenes, Total[2]
			Reporting Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
			WI Soil GW Pathways DF 2:	*0.005*	*NS*	*NS*	*1.3787*	*NS*	*0.0051*	*0.032*	*1.57*	*NS*	*0.0026*	*NS*	*NS*	*0.6582*	*NS*	*NS*	*0.0045*	*1.1072*	*0.0036*	*NS*	*NS*	*3.96*
			WI Soil Industrial RCLs:	**1,190**	**219**	**182**	**182**	**162**	**7.07**	**38.9**	**35.4**	**268**	**1,150**	**108**	**264**	**24.1**	**145**	**183**	**145**	**818**	**8.41**	**NS**	**NS**	**260**
			WI Soil Non-Industrial RCLs:	320	219	182	182	162	1.6	8.28	8.02	268	61.8	108	264	5.52	145	183	33	818	1.3	NS	NS	260
MW-9	MW-9 (0-4)	0-4	02/13/2006	<0.025	0.217	0.126	0.343	0.0578	<0.025	<0.025	0.154	0.0696	<0.025	0.0519	0.0613	0.307	0.0436	<0.025	<0.025	<0.025	<0.025	0.059	0.0472 J	0.1062
MW-9	MW-9 (4-6)	4-6	02/13/2006	<0.025	<0.025	<0.025	<0.050	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.050
PP-1	PP-1-20200604	0-0	06/04/2020	<0.041	<0.038	<0.040	<0.078	<0.038	<0.015	<0.051	<0.01900	<0.040	<0.170	<0.041	<0.043	<0.035	<0.042	<0.042	<0.039	<0.015	<0.017	--	--	<0.023
PP-2	PP-2-20200604	0-0	06/04/2020	<0.040	<0.037	<0.039	<0.076	<0.038	<0.015	<0.051	<0.01900	<0.040	<0.170	<0.040	<0.043	<0.035	<0.041	<0.041	<0.038	<0.015	<0.017	--	--	<0.023
PP-3	PP-3-20200604	0-0	06/04/2020	<0.036	<0.033	<0.035	<0.068	<0.033	<0.013	<0.045	<0.017	<0.035	<0.150	<0.036	<0.038	<0.031	<0.036	<0.036	<0.034	<0.013	<0.015	--	--	<0.020
PP-4	PP-4-20200604	0-0	06/04/2020	<0.036	<0.033	<0.035	<0.068	<0.034	<0.014	<0.046	<0.01700	<0.036	<0.150	<0.036	<0.039	<0.031	<0.037	<0.037	<0.035	<0.014	<0.015	--	--	<0.021
PZ-10	PZ-10 (2-4)	2-4	02/06/2008	<0.030	0.2	0.05	0.25	<0.030	<0.030	<0.030	<0.030	<0.030	<0.061	<0.030	<0.030	0.062	<0.030	<0.030	<0.030	<0.030	*2.6*	--	--	<0.100
PZ-9	PZ-9 (4-6)	4-6	02/07/2008	<0.030	<0.030	<0.030	<0.06	<0.030	<0.030	<0.030	<0.030	<0.030	<0.061	<0.030	<0.030	<0.061	<0.030	<0.030	<0.030	<0.030	*1.5*	--	--	<0.100
SB-1	SB-1 (0-4)	0-4	07/15/2002	<0.025	<0.025	<0.025	<0.050	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.050	<0.075
SB-10	SB-10 (5-6)	5-6	07/15/2002	<0.025	<0.025	<0.025	<0.050	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.050	<0.075
SB-11	SB-11 (6-7)	6-7	07/15/2002	<0.025	<0.025	<0.025	<0.050	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.050	<0.075
SB-12	SB-12 (5-8)	5-8	07/15/2002	<0.025	4.100	0.094	*4.194*	0.130	<0.025	<0.025	<0.025	0.150	<0.025	0.790	0.350	0.089	0.570	0.090	<0.025	<0.025	<0.025	<0.025	<0.050	<0.075
SB-2	SB-2 (0-4)	0-4	07/15/2002	<0.025	<0.025	<0.025	<0.050	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.057	<0.050	0.057
SB-3	SB-3 (0-4)	0-4	07/15/2002	<0.025	<0.025	<0.025	<0.050	0.070	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	*0.034*	<0.025	<0.025	0.059	<0.025	0.059
SB-3	SB-3 (6-7)	6-7	07/15/2002	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SB-4	SB-4 (0-4)	0-4	07/15/2002	<0.025	0.095	0.061	0.156	<0.025	<0.025	<0.025	0.160	<0.025	<0.025	<0.025	0.025 J	<0.025	<0.025	<0.025	<0.025	0.150	<0.025	0.670	1.300	1.97
SB-4	SB-4 (4-7)	4-7	07/15/2002	<0.025	3.900	<0.025	*3.900*	0.200	<0.025	*0.250*	0.076	2.700	<0.025	0.083	2.000	0.061	0.410	0.046	<0.025	<0.025	<0.025	<0.025	0.800	0.800
SB-4	SB-4 (8-12)	8-12	07/15/2002	<0.025	0.130	<0.025	0.130	<0.025	<0.025	<0.025	<0.025	0.120	<0.025	<0.025	0.066	<0.025	<0.025	<0.025	<0.025	0.025 J	<0.025	0.044	0.140	0.184
SB-5	SB-5 (0-4)	0-4	07/15/2002	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SB-6	SB-6 (6-7)	6-7	07/15/2002	<0.025	0.460	<0.025	0.460	0.170	<0.025	<0.025	0.051	0.250	<0.025	0.060	0.200	<0.025	0.140	<0.025	<0.025	<0.025	<0.025	<0.025	0.220	0.220
SB-7	SB-7 (10-11)	10-11	07/15/2002	<0.025	0.056	<0.025	0.056	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.074	0.045	<0.025	0.086	<0.025	<0.025	<0.025	<0.025	<0.025	<0.050	<0.075
SB-7	SB-7 (6-7)	6-7	07/15/2002	<0.025	0.170	<0.025	0.170	<0.025	<0.025	<0.025	<0.025	0.063	<0.025	0.130	0.100	<0.025	0.180	<0.025	<0.025	<0.025	<0.025	<0.025	<0.050	<0.075
SB-8	SB-8 (11-12)	11-12	07/15/2002	<0.025	<0.025	<0.025	<0.050	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.050	<0.075
SB-8	SB-8 (6-7)	6-7	07/15/2002	<0.025	<0.025	<0.025	<0.050	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.050	<0.075
SB-9	SB-9 (7-8)	7-8	07/15/2002	<0.025	<0.025	<0.025	<0.050	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.050	<0.075
Transformer Pad	Transformer Pad (0-6in)	0-0.5	02/07/2008	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Transformer Pad	Transformer Pad (6-18in)	0.5-1.5	02/07/2008	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Number of Samples Analyzed:				44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	38	38	44
Number of Detections:				1	15	8	15	7	1	1	7	8	1	13	10	13	8	2	2	8	2	10	19	21
Min:				0.171	0.0547	0.0438	0.056	0.0533	0.0905	0.25	0.0419	0.0533	0.174	0.0364	0.025	0.0353	0.0436	0.046	0.034	0.025	1.5	0.0356	0.0276	0.0276
Max:				0.171	91.9	0.126	91.9	0.2	0.0905	0.25	0.16	2.7	0.174	23	2	3.69	0.57	0.09	0.133	0.822	2.6	0.67	4.74	4.74
WI Soil GW Pathways DF 2:				0.005	NS	NS	1.3787	NS	0.0051	0.032	1.57	NS	0.0026	NS	NS	0.6582	NS	NS	0.0045	1.1072	0.0036	NS	NS	3.96
Number of Samples that Exceed WI Soil GW Pathways DF 2 SL:				1	0	0	3	0	1	1	0	0	1	0	0	1	0	0	2	0	2	0	0	2
WI Soil Industrial RCLs:				1,190	219	182	182	162	7.07	38.9	35.4	268	1,150	108	264	24.1	145	183	145	818	8.41	NS	NS	260
Number of Samples that ExceedWI Soil Industrial RCLs SL:				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WI Soil Non-Industrial RCLs:				320	219	182	182	162	1.6	8.28	8.02	268	61.8	108	264	5.52	145	183	33	818	1.3	NS	NS	260
Number of Samples that Exceed WI Soil Non-Industrial RCLs SL:				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0

Table 10. Historical Soil Sample Analytical Results (2002-2020)

Former Mirro Plant No. 20
44 Walnut Street, Chilton, WI
BRRTS No.: 02-08-520157 (ERP) & 06-08-426946 (VPLE) FID: 408021130

Sample Location	Sample ID	Sample Depth (feet BGS)	Sample Date	VOC 1,1-Dichloroethene	VOC 1,2,4-Trimethylbenzene	VOC 1,3,5-Trimethylbenzene	VOC Trimethylbenzenes, Total[1]	VOC 4-Isopropyltoluene	VOC Benzene	VOC Dibromochloromethane	VOC Ethylbenzene	VOC Isopropylbenzene	VOC Methylene chloride (Dichloromethane)	VOC n-Butylbenzene	VOC n-Propylbenzene	VOC Naphthalene	VOC sec-Butylbenzene	VOC tert-Butylbenzene	VOC Tetrachloroethene	VOC Toluene	VOC Trichloroethene	VOC Xylene, o	VOC Xylenes, m + p	VOC Xylenes, Total[2]
			Reporting Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
			WI Soil GW Pathways DF 2:	*0.005*	*NS*	*NS*	*1.3787*	*NS*	*0.0051*	*0.032*	*1.57*	*NS*	*0.0026*	*NS*	*NS*	*0.6582*	*NS*	*NS*	*0.0045*	*1.1072*	*0.0036*	*NS*	*NS*	*3.96*
			WI Soil Industrial RCLs:	**1,190**	**219**	**182**	**182**	**162**	**7.07**	**38.9**	**35.4**	**268**	**1,150**	**108**	**264**	**24.1**	**145**	**183**	**145**	**818**	**8.41**	**NS**	**NS**	**260**
			WI Soil Non-Industrial RCLs:	320	219	182	182	162	1.6	8.28	8.02	268	61.8	108	264	5.52	145	183	33	818	1.3	NS	NS	260

Notes:
Select samples analyzed for VOCs, PAHs, SVOCs, Phenols, PCBs, Pesticides, PHC, metals, and/or PFAS; however, only detected VOCs are shown for this submittal.

Italic	*exceeds the Soil-to-Groundwater Pathway RCL (DF 2)*
Bold	**exceeds the WI Soil Industrial DC RCLs**
Underline	exceeds the WI Soil Non-Industrial DC RCLs
Gray Text	analyte not detected

Soil Industrial Direct Contact RCLs were compared to soil results collected 0 to 4 feet BGS.
Soil-to-Groundwater Pathway RCLs were compared to all soil results.

Results & Flags:
< = Concentration is less than reported limit
J = Estimated Concentration
NA = Not Applicable

Lab comments, additional data qualifiers and definitions can be found in associated laboratory reports.

Acronyms:
BGS = Below ground surface
BRRTS = Bureau for Remediation and Redevelopment Tracking System
DC (or D-C) = Direct-Contact
DF 2 = Dilution Factor of 2
FID = facility identification number
mg/kg = milligrams per kilogram
NS = No Standard
PAH = Polycyclic Aromatic Hydrocarbon
PCB = Polychlorinated Biphenyl
RCL = Soil Residual Contaminant Level
USGS = United States Geological Survey
VOC = Volatile Organic Compound
WDNR = Wisconsin Department of Natural Resources
WI = Wisconsin

Screening Levels:
Screening criteria are derived from the WDNR NR720 Soil RR (Remediation and Redevelopment Program) RCLs last updated December 2018.
Groundwater Pathway RCLs are based on a Dilution Factor of 2 (DF 2).

Superscript Notes:
1. Total Trimethylbenzenes were calculated by Ramboll as follows:
   a. Where no detections were observed, the sum of the reporting limits is presented.
   b. Where detections were observed, only the detected results were added together for summation.
   c. Analytes used for the calculation are 1,2,4-Trimethylbenzene and 1,3,5-Trimethylbenzene.
2. Total Xylenes were calculated by Ramboll as follows:
   a. Where no detections were observed, the sum of the reporting limits is presented.
   b. Where detections were observed, only the detected results were added together for the total summation.
   c. Analytes used for the calculation are Xylene-o and Xylenes-m+p.

Table 11. Historical Sump Water Sample Analytical Results (2006-2020)

Former Mirro Plant No. 20
44 Walnut Street, Chilton, WI
BRRTS No.: 02-08-520157 (ERP) & 06-08-426946 (VPLE) FID: 408021130

			VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC
Sample Location	Sample ID	Sample Date	1,2-Dichloroethane	Chloromethane	cis-1,2-Dichloroethene	Methyl-tert-butyl-ether	Naphthalene	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl Chloride	Xylenes, Total
		Reporting Units:	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
			Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
	*Surface Water - Human Threshold Criteria:		NS	NS	14,000	NS	NS	NS	15,359	24,000	NS	NS	NS
	*Surface Water - Human Cancer Criteria:		217	1960	NS	NS	NS	46	NS	NS	539	10	NS
EAST SUMP	EAST SUMP-20060216	02/16/2006	<0.1	<0.2	2.06	<0.1	<1.00	<0.1	<0.4	<0.1	0.293 J	<0.15	<0.5
EAST SUMP	East Sump-20090320	03/20/2009	<0.50	<0.30	9.8	<0.50	<0.25	0.63	<0.50	<0.50	4.7	<0.20	<0.50
EAST SUMP	East Sump-20090708	07/08/2009	<0.50	<0.30	5	<0.50	<0.25	2.1	<0.50	<0.50	6.4	<0.20	<0.50
EAST SUMP	East Sump-20111005	10/05/2011	<0.50	<0.30	20	<0.50	<0.25	1.2	<0.50	<0.50	3.5	<0.20	<0.50
EAST SUMP	East Sump Discharge-20130301	03/01/2013	<0.28	<0.18	43	<0.24	<0.16	15	<0.11	0.78 J	19	<0.10	<0.068
EAST SUMP	East Sump-20200604	06/04/2020	<0.36	<0.32	110.00	<0.39	<0.34	9.6	<0.15	1.9	8.4	0.88 J	<0.22
LARGE SUMP	LARGE SUMP-20060216	02/16/2006	<0.1	<0.2	1.46	<0.1	<1.00	<0.1	<0.4	<0.1	0.645 J	<0.15	<0.5
LARGE SUMP	Large Sump-20060530	05/30/2006	<0.1	<0.2	1.67	1.01	<1.00	<0.1	<0.4	0.14 J	0.95	<0.15	<0.5
LARGE SUMP	Large Sump-20060829	08/29/2006	<0.1	<0.2	2.35	<0.1	<1.00	0.17	0.5	<0.1	1.97	<0.15	0.11
LARGE SUMP	Large Sump-20061115	11/15/2006	<0.1	<0.2	2.37	0.14	<1.00	0.27	<0.4	<0.1	2.11	<0.15	<0.5
LARGE SUMP	Large Sump-20080218	02/18/2008	<0.50	<0.20	2.5	<0.50	<0.25	<0.50	<0.20	<0.50	1.9	<0.20	<0.50
LARGE SUMP	Large Sump-20080521	05/21/2008	<0.50	<0.20	3.3	<0.50	<0.25	0.87	<0.20	<0.50	4.6	<0.20	<0.50
LARGE SUMP	Large Sump-20090320	03/20/2009	--	--	--	--	--	<0.50	--	--	2.3	<0.20	--
LARGE SUMP	Large Sump-20090708	07/08/2009	--	--	--	--	--	<0.050	--	--	<0.050	<0.032	--
LARGE SUMP	Large Sump-20111005	10/05/2011	<0.50	<0.30	17	<0.50	0.26	7.4	<0.50	<0.50	11	<0.20	<0.50
LARGE SUMP	Large Sump-20130228	02/28/2013	<0.28	<0.18	17	<0.24	<0.16	3.6	<0.11	<0.25	4.5	<0.10	<0.068
LARGE SUMP	Large Sump-20200604	06/04/2020	0.53 J	<0.32	28.0 J	<0.39	<0.34	1.9	<0.15	1	2.1	0.51 J	<0.22
WEST SUMP	WEST SUMP-20060216	02/16/2006	<0.1	<0.2	<0.2	<0.1	<1.00	<0.1	<0.4	<0.1	<0.2	<0.15	<0.5
WEST SUMP	West Sump-20060530	05/30/2006	<0.1	0.22 J	<0.2	0.32 J	<1.00	<0.1	<0.4	<0.1	<0.2	<0.15	<0.5
WEST SUMP	West Sump-20060829	08/29/2006	<0.1	<0.2	<0.2	<0.1	<1.00	<0.1	<0.4	<0.1	<0.2	<0.15	<0.5
WEST SUMP	West Sump-20061115	11/15/2006	<0.1	<0.2	<0.2	<0.1	<1.00	<0.1	<0.4	<0.1	<0.2	<0.15	<0.5
WEST SUMP	West Sump-20080218	02/18/2008	--	--	--	--	--	--	--	--	--	--	--

Table 11. Historical Sump Water Sample Analytical Results (2006-2020)

Former Mirro Plant No. 20
44 Walnut Street, Chilton, WI
BRRTS No.: 02-08-520157 (ERP) & 06-08-426946 (VPLE) FID: 408021130

			VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC	VOC
Sample Location	Sample ID	Sample Date	1,2-Dichloroethane	Chloromethane	cis-1,2-Dichloroethene	Methyl-tert-butyl-ether	Naphthalene	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl Chloride	Xylenes, Total
		Reporting Units:	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
			Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
	*Surface Water - Human Threshold Criteria:		NS	NS	14,000	NS	NS	NS	15,359	24,000	NS	NS	NS
	*Surface Water - Human Cancer Criteria:		217	1960	NS	NS	NS	46	NS	NS	539	10	NS
WEST SUMP	West Sump-20080521	05/21/2008	--	--	--	--	--	--	--	--	--	--	--
WEST SUMP	West Sump-20200604	06/04/2020	<0.36	<0.32	<0.41	<0.39	<0.34	<0.37	<0.15	<0.35	<0.16	<0.2	<0.22
	Total Number of Samples Analyzed:		20	20	20	20	20	22	20	20	22	22	20
	Number of Detections:		1	1	15	3	1	11	1	4	16	2	1
	Min:		0.53	0.22	1.46	0.14	0.26	0.17	0.5	0.14	0.293	0.51	0.11
	Max:		0.53	0.22	110	1.01	0.26	15	0.5	1.9	19	0.88	0.11

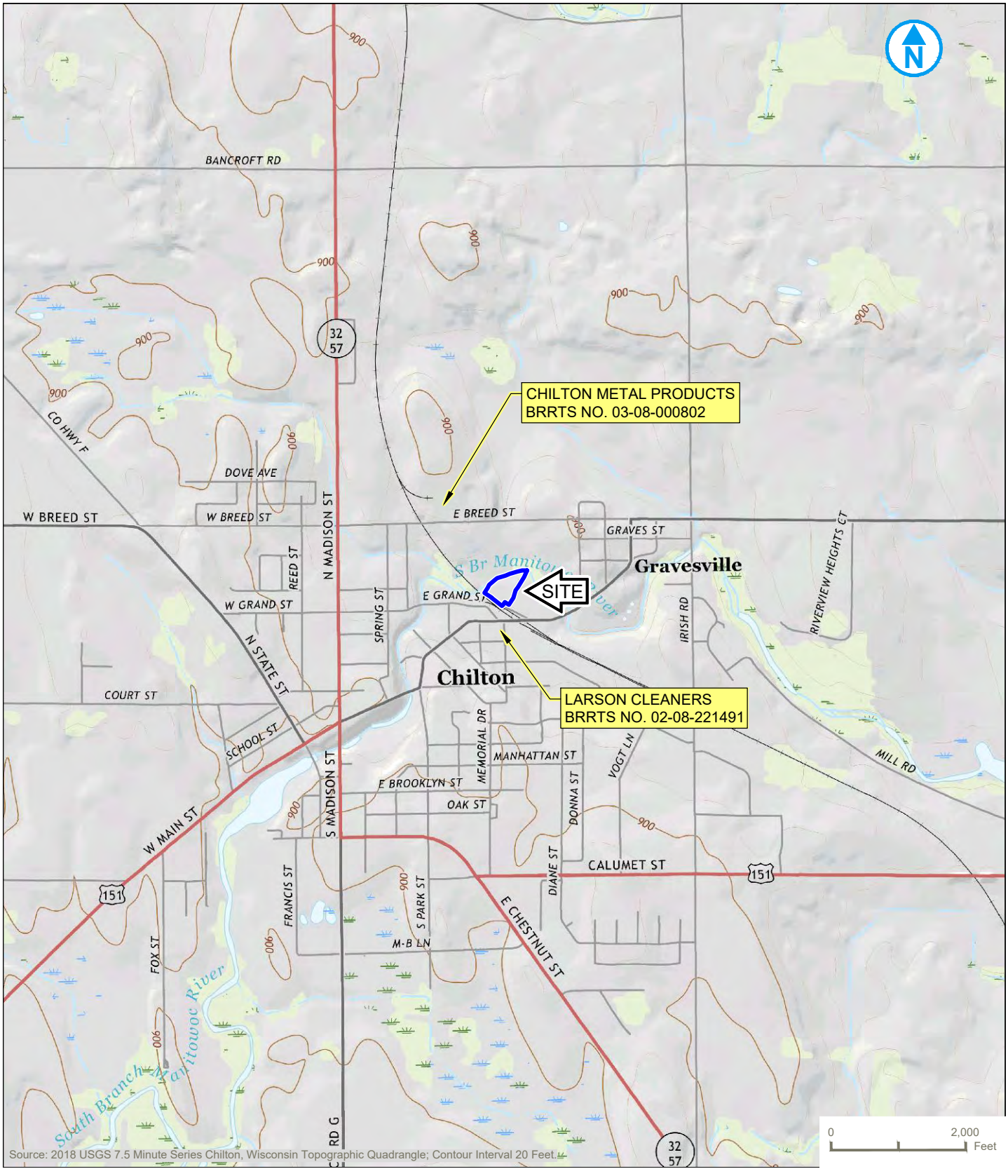
Notes:
Select samples analyzed for VOCs, PAHs, RCRA Metals, and/or PFAS; however, only detected VOCs are shown for this submittal.
Gray Text analyte not detected
Lab comments and definitions can be found in associated laboratory reports.

*Screening Levels:
Surface Water Criteria derived from Wisconsin Administrative Code (NR 105.08-09) Non-Public Water Supply: Warm Water Forage, Limited Forage, and Warm Water Sport Fish Communities

Results & Flags:
-- = Analysis not performed
< = Concentration is less than reported limit
J = Estimated concentration

Acronyms:
µg/L = micrograms per liter
BRRTS = Bureau for Remediation and Redevelopment Tracking System
ERP = Environmental Repair Program
FB = Field Blank
FID = facility identification number
ng/L = nanograms per liter
NS = No Standard
PAH = Polycyclic Aromatic Hydrocarbon
PFAS = per- and polyfluoroalkyl substances
PHC = Petroleum Hydrocarbon
USEPA = U.S. Environmental Protection Agency
VOC = Volatile Organic Compound
VPLE = Voluntary Party Liability Exemption
WDNR = Wisconsin Department of Natural Resources
WI = Wisconsin

FIGURES



L:\Loop Project Files_CAD\1690019558_Newell_Mirro-20_PHII\2022-01\01_Site Location.dwg DESIGNER: HJW DATED: 1/12/2022 PROJECT: 1690019558

Map Scale: 1:24,000 | Map Center: 44°2'3.6672", -88°9'12.6648"

SITE LOCATION

FIGURE 1

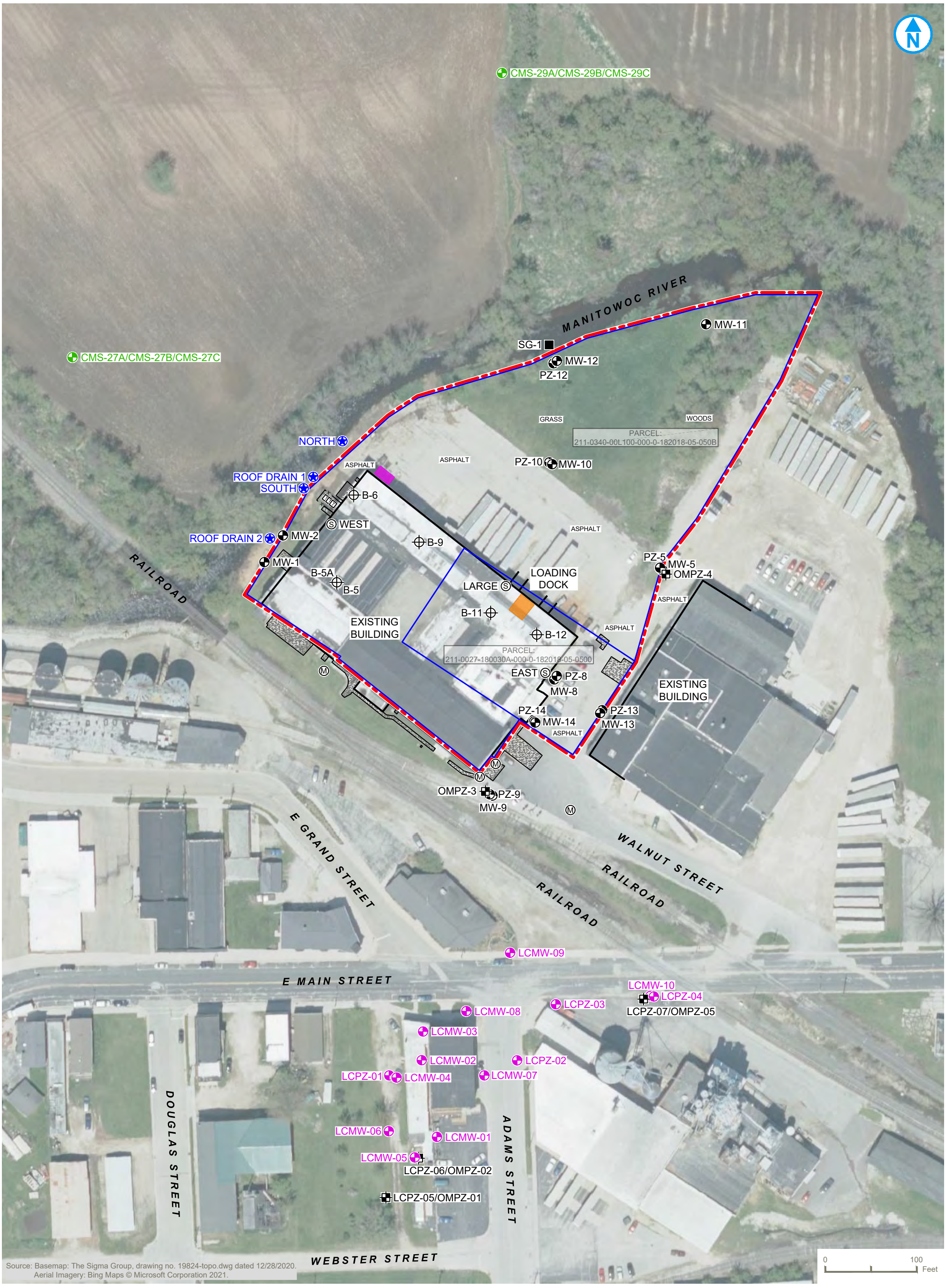
KEY MAP

NEWELL OPERATING COMPANY
FORMER MIRRO PLANT NO. 20
44 WALNUT STREET
CHILTON, WISCONSIN

RAMBOLL US CONSULTING, INC.
A RAMBOLL COMPANY

RAMBOLL

PROJECT: 1690019558 DATED: 1/26/2022 DESIGNER: HJW C:\Users\hjward\Desktop\New folder\02_Site Layout and Existing Area Wide Monitoring Well Network.dwg



Source: Basemap: The Sigma Group, drawing no. 19824-topo.dwg dated 12/28/2020.
Aerial Imagery: Bing Maps © Microsoft Corporation 2021.

- PROPERTY BOUNDARY
- PARCEL BOUNDARY
- GROUNDWATER MONITORING WELL
- GROUNDWATER MONITORING WELL (LARSON CLEANERS - BRRTS 02-08-221491)
- GROUNDWATER MONITORING WELL (FORMER CHILTON METAL PRODUCTS - BRRTS 02-08-561133 & 03-08-000802)
- GROUNDWATER MONITORING POINT
- PIEZOMETER INSTALLED BY OMNNI/WDNR
- SUMP PIT
- SOIL BORING
- STAFF GAUGE
- MANHOLE
- OUTFALL
- TRANSFORMER
- CHAIN LINK FENCE
- CONCRETE AREA
- APPROXIMATE LOCATION OF MINERAL SPIRITS USTs REMOVED IN OCTOBER 1990 (CLOSED BRRTS 09-08-294564)
- APPROXIMATE LOCATION OF FORMER FUEL USTS ABANDONED IN PLACE IN JANUARY 1996 (CLOSED BRRTS 09-08-292322)

SITE LAYOUT AND EXISTING MONITORING WELL NETWORK

NEWELL OPERATING COMPANY
FORMER MIRRO PLANT NO. 20
44 WALNUT STREET
CHILTON, WISCONSIN

FIGURE 2

RAMBOLL US CONSULTING, INC.
A RAMBOLL COMPANY

L:\Loop Project Files_CAD\16900019558_Newell_Mirro-20_PHI\2022-01\03_BRRTS Map.dwg
PROJECT: 16900019558 DATED: 1/19/2022 DESIGNER: HJW

Legend

- Open Site
- Closed Site
- Continuing Obligations Apply
- Facility-wide Site

NAD_1983_HARN_Wisconsin_TM

0 600 Feet

DISCLAIMER: The information shown on these maps has been obtained from various sources, and are of varying age, reliability and resolution. These maps are not intended to be used for navigation, nor are these maps an authoritative source of information about legal land ownership or public access. No warranty, expressed or implied, is made aregarding accuracy, applicability for a particular use, completemenss, or legality of the information depicted on this map. For more information, see the DNR Legal Notices web page: http://dnr.wi.gov/org/legal/

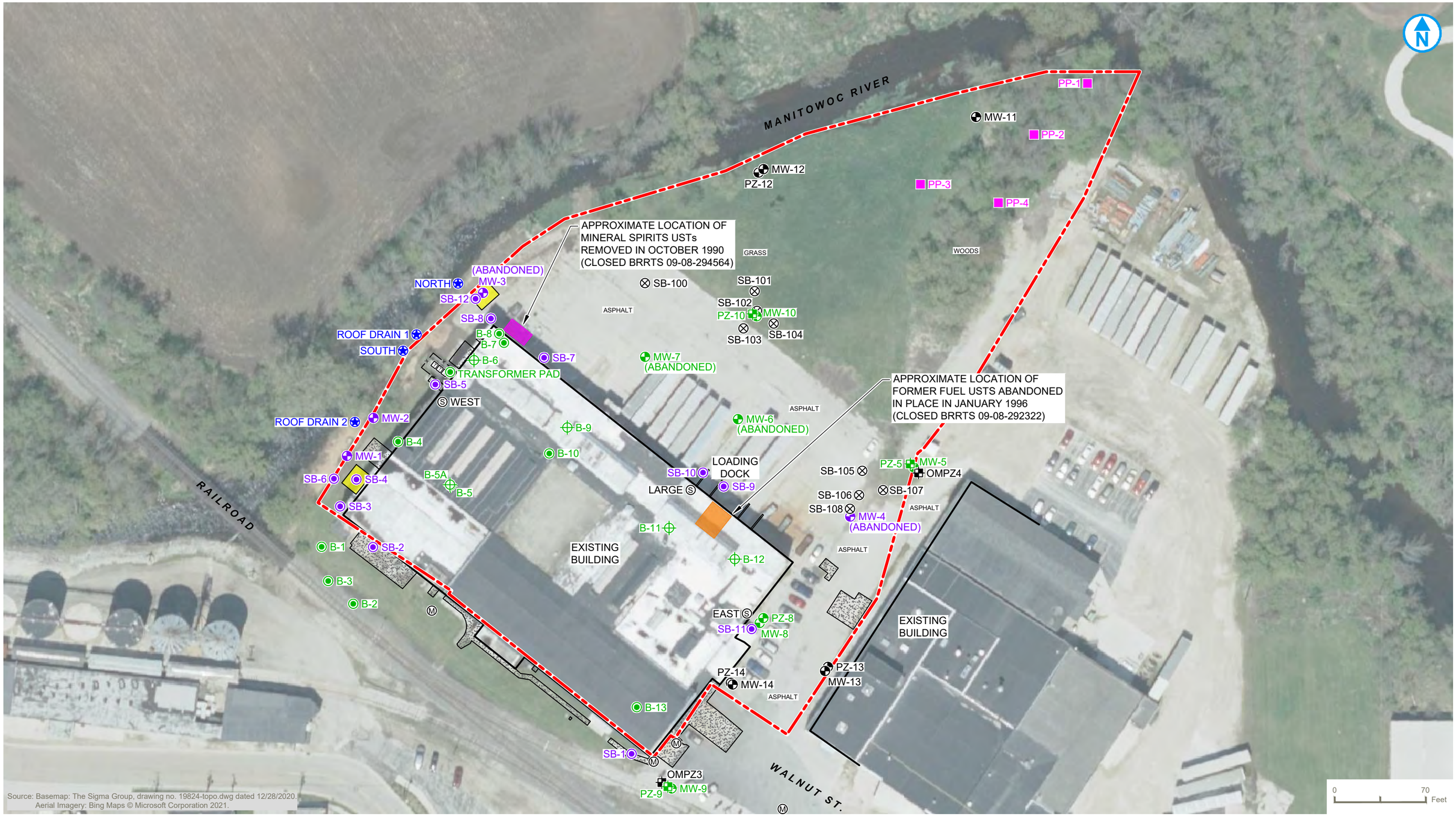
Notes

BRRTS MAP

NEWELL OPERATING COMPANY
FORMER MIRRO PLANT NO. 20
44 WALNUT STREET
CHILTON, WISCONSIN

FIGURE 3

RAMBOLL US CONSULTING, INC.
A RAMBOLL COMPANY



Source: Basemap: The Sigma Group, drawing no. 19824-topo.dwg dated 12/28/2020.
Aerial Imagery: Bing Maps © Microsoft Corporation 2021.

L:\Loop Project Files_CAD\1690019558_Newell_Mirro-20_PHII\2022-01\04_Historic Sampling Locations.dwg

DESIGNER: HJW

DATED: 2/1/2022

PROJECT: 1690019558

LEGEND

- PROPERTY BOUNDARY
- GROUNDWATER MONITORING WELL (INSTALLED BY SEH)
- GROUNDWATER MONITORING WELL (INSTALLED BY TEMCO)
- SOIL BORING (INSTALLED BY SEH)
- SOIL BORING (INSTALLED BY TEMCO)
- SOIL BORING (INSTALLED BY RAMBOLL)
- GROUNDWATER MONITORING POINT (INSTALLED BY SEH)
- PIEZOMETER (INSTALLED BY OMNNI/WDNR)
- PIEZOMETER (INSTALLED BY SEH)
- SURFACE SOIL SAMPLE (INSTALLED BY STANTEC)
- OUTFALL
- SUMP PIT
- MANHOLE
- TRANSFORMER
- CHAIN LINK FENCE
- CONCRETE AREA
- EXCAVATION LIMITS (COMPLETED BY SEH)

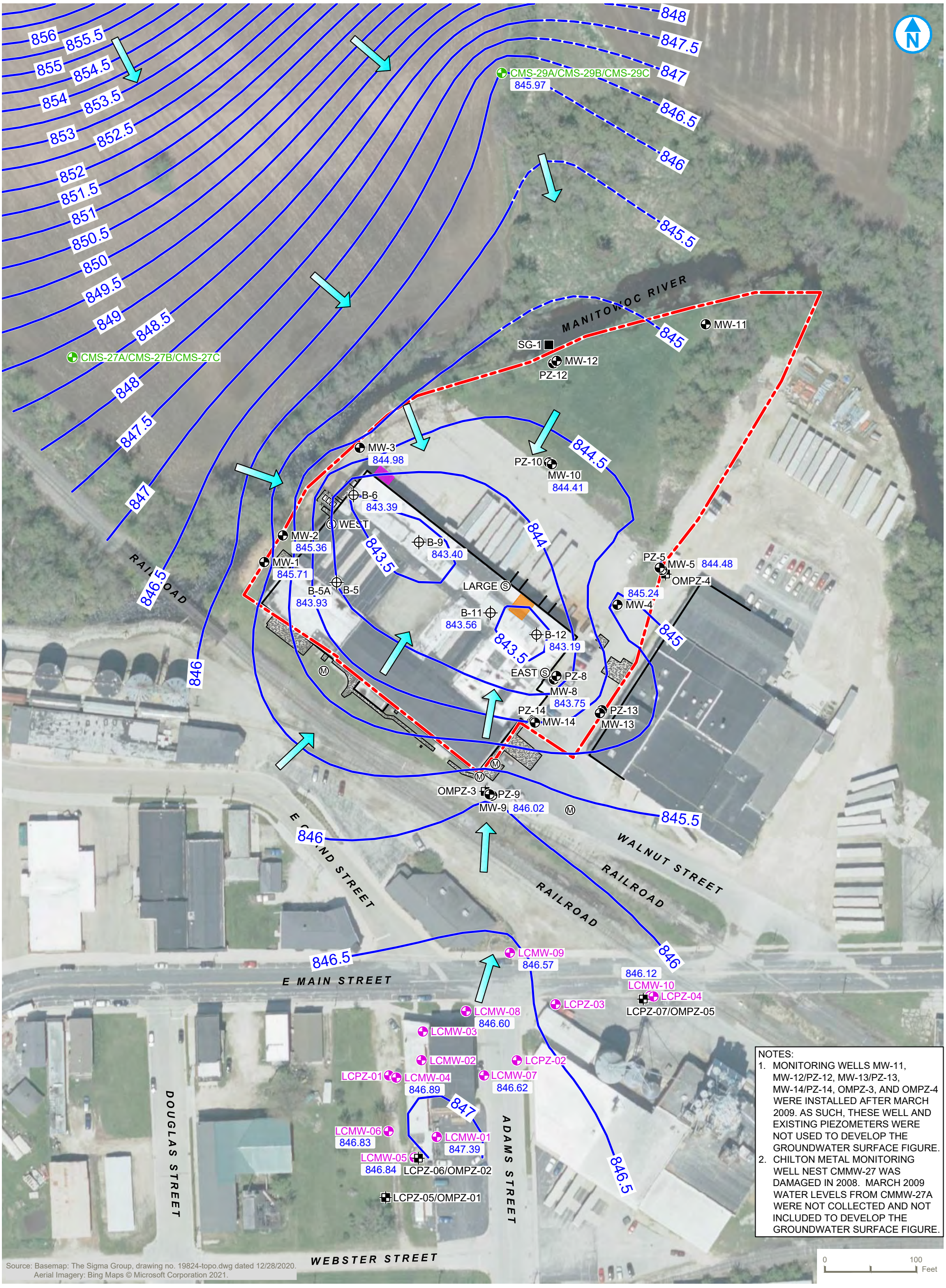
HISTORIC SAMPLING LOCATIONS

NEWELL OPERATING COMPANY
FORMER MIRRO PLANT NO. 20
44 WALNUT STREET
CHILTON, WISCONSIN

FIGURE 4

RAMBOLL US CONSULTING, INC.
A RAMBOLL COMPANY

RAMBOLL



NOTES:
1. MONITORING WELLS MW-11, MW-12/PZ-12, MW-13/PZ-13, MW-14/PZ-14, OMPZ-3, AND OMPZ-4 WERE INSTALLED AFTER MARCH 2009. AS SUCH, THESE WELL AND EXISTING PIEZOMETERS WERE NOT USED TO DEVELOP THE GROUNDWATER SURFACE FIGURE.
2. CHILTON METAL MONITORING WELL NEST CMMW-27 WAS DAMAGED IN 2008. MARCH 2009 WATER LEVELS FROM CMMW-27A WERE NOT COLLECTED AND NOT INCLUDED TO DEVELOP THE GROUNDWATER SURFACE FIGURE.

Source: Basemap: The Sigma Group, drawing no. 19824-topo.dwg dated 12/28/2020.
Aerial Imagery: Bing Maps © Microsoft Corporation 2021.

- PROPERTY BOUNDARY
- GROUNDWATER MONITORING WELL
- GROUNDWATER MONITORING WELL (LARSON CLEANERS)
- GROUNDWATER MONITORING WELL (FORMER CHILTON METAL PRODUCTS)
- GROUNDWATER MONITORING POINT
- PIEZOMETER INSTALLED BY OMNNI/WDNR
- SUMP PIT
- STAFF GAUGE
- MANHOLE
- TRANSFORMER
- CHAIN LINK FENCE
- CONCRETE AREA

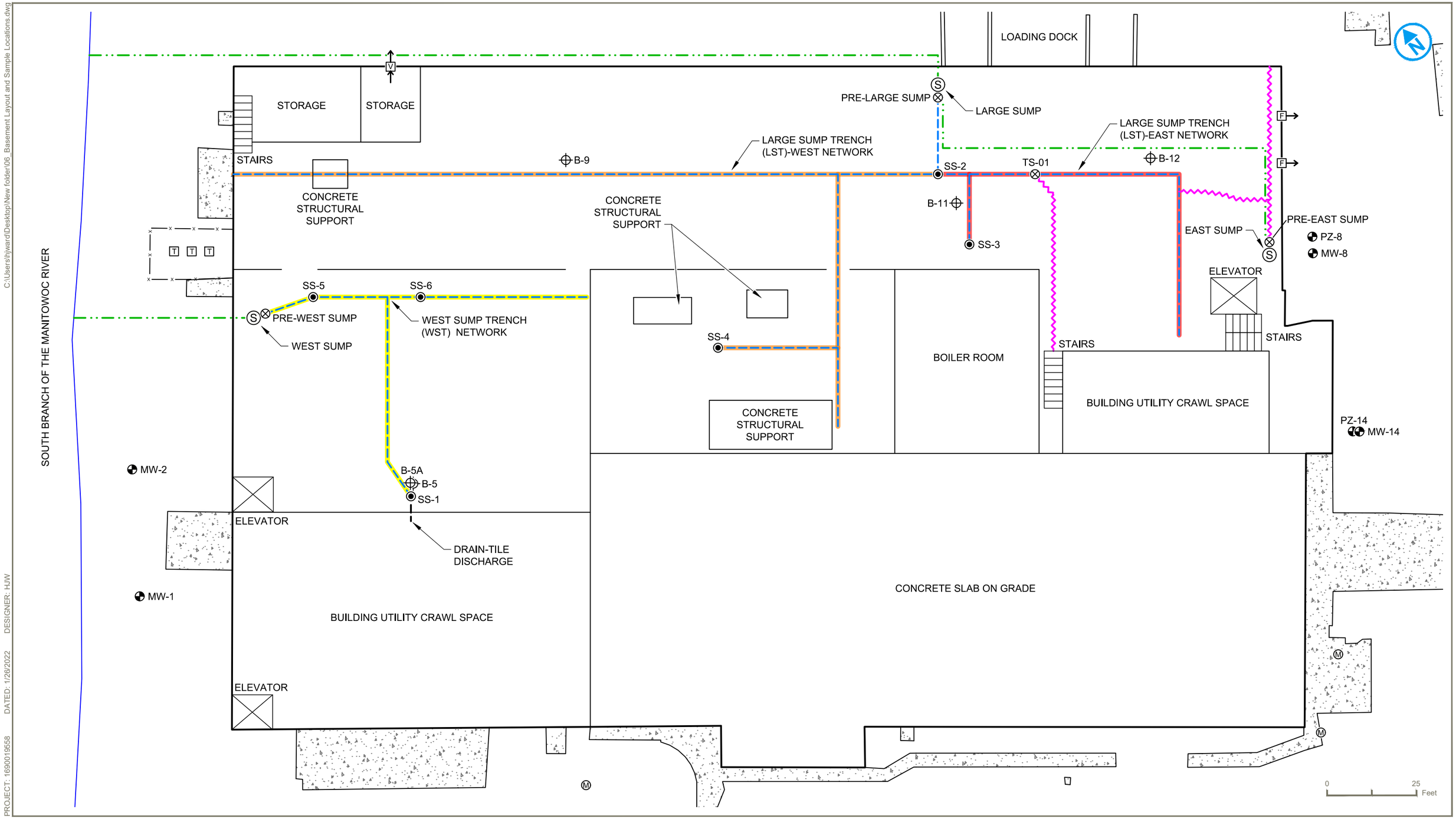
- APPROXIMATE LOCATION OF MINERAL SPIRITS USTs REMOVED IN OCTOBER 1990 (CLOSED BRRTS 09-08-294564)
- APPROXIMATE LOCATION OF FORMER FUEL USTS ABANDONED IN PLACE IN JANUARY 1996 (CLOSED BRRTS 09-08-292322)
- 847.39 GROUNDWATER ELEVATION (FT AMSL)
- GROUNDWATER ELEVATION CONTOUR
- GROUNDWATER FLOW DIRECTION

AREA WIDE SHALLOW GROUNDWATER ELEVATIONS - MARCH 2009

NEWELL OPERATING COMPANY
FORMER MIRRO PLANT NO. 20
44 WALNUT STREET
CHILTON, WISCONSIN

FIGURE 5

RAMBOLL US CONSULTING, INC.
A RAMBOLL COMPANY
RAMBOLL



C:\Users\hjward\Desktop\New folder\06_Basement Layout and Sample Locations.dwg

DESIGNER: HJW

DATED: 1/26/2022

PROJECT: 1690019558

LEGEND

- CHAIN LINK FENCE
- CONCRETE AREA
- SUMP PIT
- MANHOLE
- TRANSFORMER
- GROUNDWATER MONITORING WELL
- ORIGINAL TRENCH NETWORK
- POST-2002 FLOOR SAWCUTS
- STANTEC TRENCH SOLID SAMPLE
- RAMBOLL TRENCH SOLID SAMPLE
- GROUNDWATER MONITORING POINT
- FAN
- WALL VENT
- SUMP DISCHARGE LINE

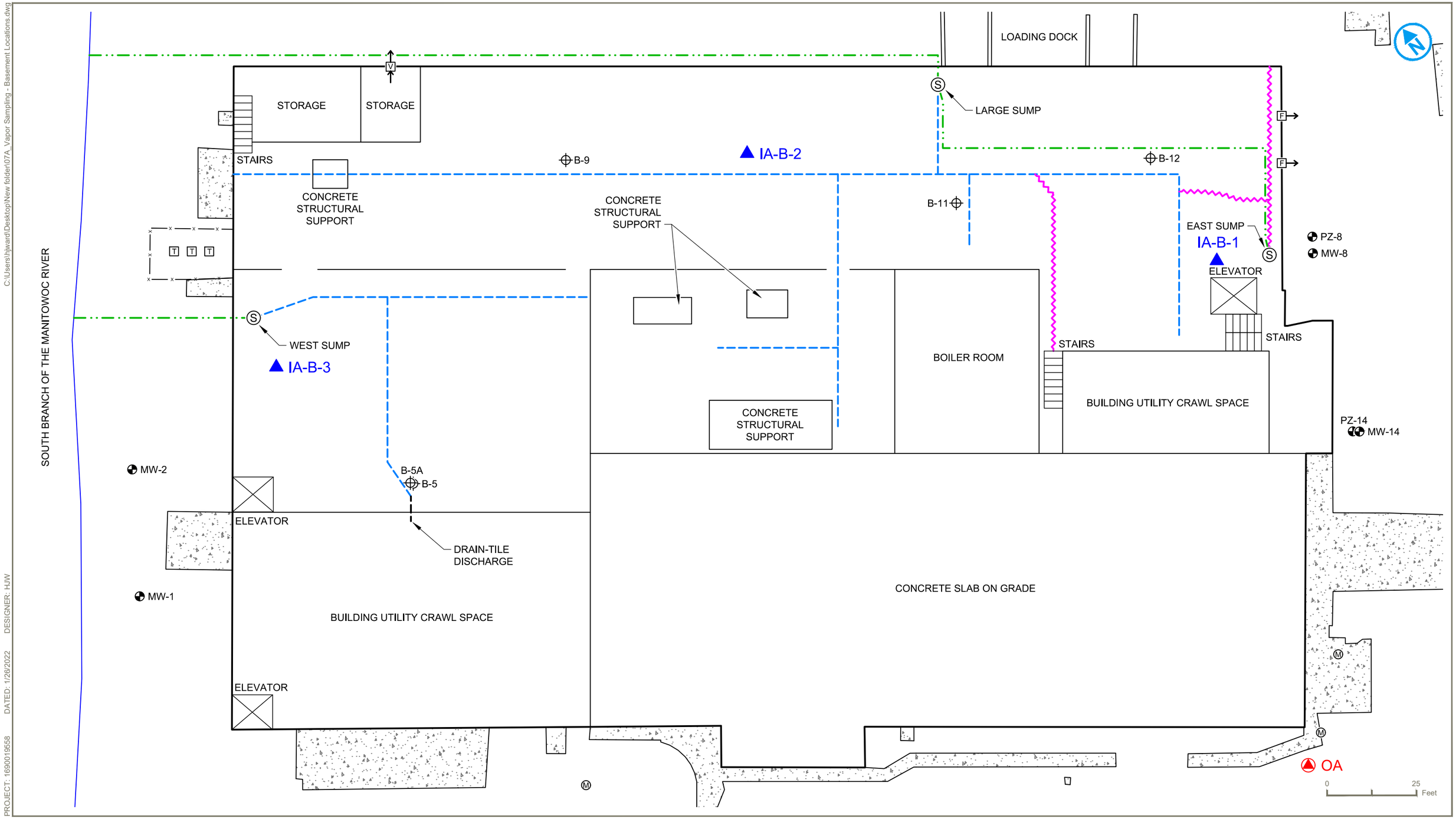
NOTE
LOCATIONS OF INTERIOR BUILDING FEATURES AND HISTORIC INTERIOR SAMPLE LOCATIONS ARE APPROXIMATE.

BASEMENT LAYOUT AND SAMPLE LOCATIONS

NEWELL OPERATING COMPANY
FORMER MIRRO PLANT NO. 20
44 WALNUT STREET
CHILTON, WISCONSIN

FIGURE 6

RAMBOLL US CONSULTING, INC.
A RAMBOLL COMPANY



C:\Users\hjward\Desktop\New folder\07A_Vapor Sampling - Basement Locations.dwg

PROJECT: 1690019558 DATED: 1/26/2022 DESIGNER: HJW

LEGEND

- CHAIN LINK FENCE
- CONCRETE AREA
- SUMP PIT
- MANHOLE
- TRANSFORMER
- GROUNDWATER MONITORING WELL
- ORIGINAL TRENCH NETWORK
- POST-2002 FLOOR SAWCUTS
- INDOOR AIR SAMPLE LOCATION
- OUTDOOR AIR SAMPLE LOCATION
- GROUNDWATER MONITORING POINT
- FAN
- WALL VENT
- SUMP DISCHARGE LINE

NOTE
LOCATIONS OF INTERIOR BUILDING FEATURES AND HISTORIC INTERIOR SAMPLE LOCATIONS ARE APPROXIMATE.

VAPOR SAMPLING - BASEMENT LOCATIONS

NEWELL OPERATING COMPANY
FORMER MIRRO PLANT NO. 20
44 WALNUT STREET
CHILTON, WISCONSIN

FIGURE 7A

RAMBOLL US CONSULTING, INC.
A RAMBOLL COMPANY

C:\Users\hjward\Desktop\New folder\07B_Vapor Sampling - First Floor Locations.dwg

DESIGNER: HJW

DATED: 1/26/2022

PROJECT: 1690019658

SOUTH BRANCH OF THE MANITOWOC RIVER

LOADING DOCK

STAIRS

MW-2

MW-1

ELEVATOR

WAREHOUSE (ABOVE BASEMENT)

WAREHOUSE (SLAB ON GRADE)

STAIRS

PZ-8

MW-8

ELEVATOR

STAIRS

BOILER ROOM

STAIRS

MACHINE SHOP (ABOVE CRAWL SPACE AND BASEMENT)

PZ-14

MW-14

VP-3

VP-2

STAIRS

MACHINE SHOP (ABOVE CRAWL SPACE)

MACHINE SHOP (SLAB ON GRADE)

VP-1

VP-4

ELEVATOR

MACHINE SHOP OFFICE

0 25 Feet

LEGEND

- CHAIN LINK FENCE
- CONCRETE AREA
- MANHOLE
- TRANSFORMER
- GROUNDWATER MONITORING WELL
- SUB-SLAB VAPOR MONITORING LOCATION
- GROUNDWATER MONITORING POINT
- FAN

NOTE
LOCATIONS OF INTERIOR BUILDING FEATURES AND HISTORIC INTERIOR SAMPLE LOCATIONS ARE APPROXIMATE.

VAPOR SAMPLING - FIRST FLOOR LOCATIONS

NEWELL OPERATING COMPANY
FORMER MIRRO PLANT NO. 20
44 WALNUT STREET
CHILTON, WISCONSIN

FIGURE 7B

RAMBOLL US CONSULTING, INC.
A RAMBOLL COMPANY

C:\Users\hjward\Desktop\New folder\08A_GW Flow Map-Shallow (August 2021).dwg

DESIGNER: HJW

DATED: 1/26/2022

PROJECT: 1690019558

MANITOWOC RIVER

NORTH

ROOF DRAIN 1

SOUTH

ROOF DRAIN 2

WEST

LARGE

EAST

WALNUT ST.

843.5

844

844.5

845

845.5

846

MW-1 844.89

MW-2 843.87

B-5A 843.93

B-5 844.37*

B-6 843.41

B-9 843.31

B-11 843.63

B-12 843.69

MW-7 (DAMAGED)

MW-6 (DAMAGED)

MW-4 (DAMAGED)

PZ-10 843.31* MW-10 843.21

PZ-5 843.73* MW-5 843.53

OMPZ-4 844.51*

PZ-8 844.78* MW-8 843.88

845.47* OMPZ-3

PZ-9 845.09* MW-9 846.14

NOTE:
*ALL PIEZOMETERS AND GROUNDWATER MONITORING POINT B-5 WERE NOT INCLUDED IN THE SHALLOW POTENTIOMETRIC CALCULATION DUE TO VARYING SCREEN DEPTHS OR GEOLOGY.

Source: Basemap: The Sigma Group, drawing no. 19824-topo.dwg dated 12/28/2020.
Aerial Imagery: Bing Maps © Microsoft Corporation 2021.

0 70 Feet

LEGEND

- PROPERTY BOUNDARY
- PARCEL BOUNDARY
- GROUNDWATER MONITORING WELL
- GROUNDWATER MONITORING POINT
- PIEZOMETER INSTALLED BY OMNNI/WDNR
- SUMP PIT
- MANHOLE
- OUTFALL
- TRANSFORMER
- CHAIN LINK FENCE
- CONCRETE AREA
- APPROXIMATE LOCATION OF MINERAL SPIRITS USTs REMOVED IN OCTOBER 1990 (CLOSED BRRTS 09-08-294564)
- APPROXIMATE LOCATION OF FORMER FUEL USTS ABANDONED IN PLACE IN JANUARY 1996 (CLOSED BRRTS 09-08-292322)
- 844.37 GROUNDWATER ELEVATION (FT AMSL)
- GROUNDWATER ELEVATION CONTOUR
- GROUNDWATER FLOW DIRECTION
- VERTICAL HYDROGEOLOGIC GRADIENT DIRECTION

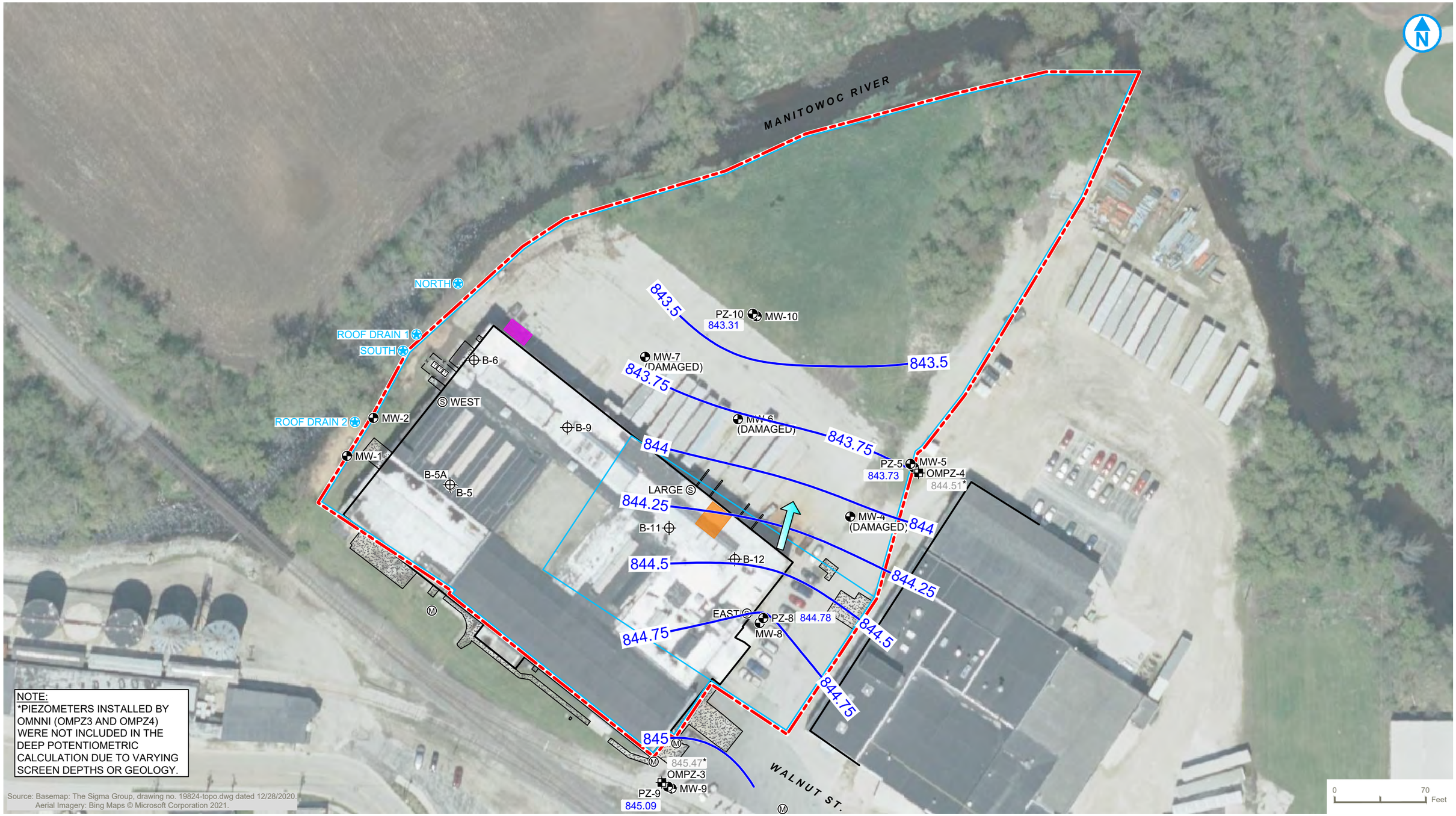
GROUNDWATER FLOW MAP-SHALLOW (AUGUST 2021)

NEWELL OPERATING COMPANY
FORMER MIRRO PLANT NO. 20
44 WALNUT STREET
CHILTON, WISCONSIN

FIGURE 8A

RAMBOLL US CONSULTING, INC.
A RAMBOLL COMPANY

RAMBOLL



NOTE:
*PIEZOMETERS INSTALLED BY OMNNI (OMPZ3 AND OMPZ4) WERE NOT INCLUDED IN THE DEEP POTENTIOMETRIC CALCULATION DUE TO VARYING SCREEN DEPTHS OR GEOLOGY.

Source: Basemap: The Sigma Group, drawing no. 19824-topo.dwg dated 12/28/2020.
Aerial Imagery: Bing Maps © Microsoft Corporation 2021.

LEGEND

- PROPERTY BOUNDARY
- PARCEL BOUNDARY
- GROUNDWATER MONITORING WELL
- GROUNDWATER MONITORING POINT
- PIEZOMETER INSTALLED BY OMNNI/WDNR
- SUMP PIT
- MANHOLE
- OUTFALL
- TRANSFORMER
- CHAIN LINK FENCE
- CONCRETE AREA
- APPROXIMATE LOCATION OF MINERAL SPIRITS USTs REMOVED IN OCTOBER 1990 (CLOSED BRRTS 09-08-294564)
- APPROXIMATE LOCATION OF FORMER FUEL USTS ABANDONED IN PLACE IN JANUARY 1996 (CLOSED BRRTS 09-08-292322)
- 844.78 GROUNDWATER ELEVATION (FT AMSL)
- GROUNDWATER ELEVATION CONTOUR
- GROUNDWATER FLOW DIRECTION

GROUNDWATER FLOW MAP-DEEP (AUGUST 2021)

NEWELL OPERATING COMPANY
FORMER MIRRO PLANT NO. 20
44 WALNUT STREET
CHILTON, WISCONSIN

FIGURE 8B

RAMBOLL US CONSULTING, INC.
A RAMBOLL COMPANY

RAMBOLL

PROJECT: 1690019558 DATED: 1/26/2022 DESIGNER: HJW
C:\Users\hjward\Desktop\New folder\08B_GW Flow Map-Deep (August 2021).dwg

C:\Users\hjward\Desktop\New folder\09A_GW Flow Map-Shallow (October 2021).dwg

DESIGNER: HJW

DATED: 1/26/2022

PROJECT: 1690019558

MANITOWOC RIVER

843.24
SG-1

MW-12 843.42

PZ-12
843.76*

MW-11
843.50

843.5

PZ-10 MW-10
843.85* 843.72

844

B-6
843.67

844.5

WEST

MW-2
844.30

845

MW-1
845.39

844.04
B-5A

B-5
844.81

B-9
843.54

LARGE

B-11
843.87

B-12
843.90

844.20
PZ-5 MW-5 OMPZ-4
844.27* 845.10*

EAST PZ-8 845.21*
MW-8
844.11

844.63*
PZ-13
PZ-14 844.91* MW-13 844.07
MW-14
844.07

845.5

844.5

845.93*
OMPZ-3
MW-9
PZ-9 845.86
845.50*

WALNUT ST.

NOTE:
*ALL PIEZOMETERS AND GROUNDWATER MONITORING POINT B-5 WERE NOT INCLUDED IN THE SHALLOW POTENTIOMETRIC CALCULATION DUE TO VARYING SCREEN DEPTHS OR GEOLOGY.

Source: Basemap: The Sigma Group, drawing no. 19824-topo.dwg dated 12/28/2020.
Aerial Imagery: Bing Maps © Microsoft Corporation 2021.

0 70 Feet

N

LEGEND

- PROPERTY BOUNDARY
- GROUNDWATER MONITORING WELL
- GROUNDWATER MONITORING POINT
- PIEZOMETER INSTALLED BY OMNNI/WDNR
- SUMP PIT
- STAFF GAUGE
- MANHOLE
- TRANSFORMER
- CHAIN LINK FENCE
- CONCRETE AREA
- 843.87 GROUNDWATER ELEVATION (FT AMSL)
- GROUNDWATER ELEVATION CONTOUR
- GROUNDWATER FLOW DIRECTION
- VERTICAL HYDROGEOLOGIC GRADIENT DIRECTION

GROUNDWATER FLOW MAP-SHALLOW (OCTOBER 2021)

NEWELL OPERATING COMPANY
FORMER MIRRO PLANT NO. 20
44 WALNUT STREET
CHILTON, WISCONSIN

FIGURE 9A

RAMBOLL US CONSULTING, INC.
A RAMBOLL COMPANY

RAMBOLL

C:\Users\hjward\Desktop\New folder\09B_GW Flow Map-Deep (October 2021).dwg

DESIGNER: HJW

DATED: 1/26/2022

PROJECT: 1690019558

MANITOWOC RIVER

SG-1

MW-11

MW-12

PZ-12
843.76

PZ-10
843.85

MW-10

B-6

WEST

MW-2

B-9

MW-1

B-5A

B-5

844.25

844.25

PZ-5
844.27

MW-5

OMPZ-4
845.10*

LARGE

844.75

B-11

B-12

EAST

PZ-8
MW-8

845.21

844.63

PZ-13
MW-13

PZ-14
MW-14

844.91

845.25

845.93*

OMPZ-3

MW-9

PZ-9
845.50

844.75

WALNUT ST.

NOTE:
*PIEZOMETERS INSTALLED BY OMNNI (OMPZ3 AND OMPZ4) WERE NOT INCLUDED IN THE DEEP POTENTIOMETRIC CALCULATION DUE TO VARYING SCREEN DEPTHS OR GEOLOGY.

Source: Basemap: The Sigma Group, drawing no. 19824-topo.dwg dated 12/28/2020.
Aerial Imagery: Bing Maps © Microsoft Corporation 2021.

0 70 Feet

N

LEGEND

- PROPERTY BOUNDARY
- GROUNDWATER MONITORING WELL
- GROUNDWATER MONITORING POINT
- PIEZOMETER INSTALLED BY OMNNI/WDNR
- SUMP PIT
- STAFF GAUGE
- MANHOLE
- TRANSFORMER
- CHAIN LINK FENCE
- CONCRETE AREA
- 844.27 GROUNDWATER ELEVATION (FT AMSL)
- GROUNDWATER ELEVATION CONTOUR
- GROUNDWATER FLOW DIRECTION

GROUNDWATER FLOW MAP-DEEP (OCTOBER 2021)

NEWELL OPERATING COMPANY
FORMER MIRRO PLANT NO. 20
44 WALNUT STREET
CHILTON, WISCONSIN

FIGURE 9B

RAMBOLL US CONSULTING, INC.
A RAMBOLL COMPANY

RAMBOLL

WEST *	7/7/2021
PCE	<0.37
TCE	<0.16

B-6	8/3/2021	10/13/2021
PCE	<0.37	<0.37
TCE	<0.16	<0.16

MW-12	10/13/2021
PCE	<0.37
TCE	<0.16

LARGE *	7/7/2021
PCE	0.74 J
TCE	<0.16

MW-2	8/3/2021	10/14/2021
PCE	<0.37	<0.37
TCE	<0.16	<0.16

B-11	8/3/2021	10/13/2021
PCE	<0.37	<0.37
TCE	0.31 J	<0.16

MW-1	8/3/2021	10/14/2021
PCE	<0.37	<0.37
TCE	<0.16	<0.16

B-9	8/3/2021	10/13/2021
PCE	<0.37	<0.37
TCE	<0.16	<0.16

MW-11	10/13/2021
PCE	<0.37
TCE	<0.16

MW-10	8/3/2021	10/14/2021
PCE	<0.37	<0.37
TCE	<0.16	<0.16

B-5A	8/3/2021	10/13/2021
PCE	<0.37	<0.37
TCE	<0.16	<0.16

B-5	8/3/2021	10/13/2021
PCE	<0.37	<0.37
TCE	<0.16	0.33 J

MW-5	8/3/2021	10/14/2021
PCE	<0.37	<0.37
TCE	<0.16	<0.16

B-12	8/3/2021	10/13/2021
PCE	2.7	4.8
TCE	**5.5**	4.2

EAST *	7/7/2021
PCE	8.2
TCE	4.9

MW-8	8/3/2021	10/14/2021
PCE	**15**	**15**
TCE	**8.5**	**17**

MW-14	10/13/2021
PCE	**7.7**
TCE	**14**

MW-13	10/13/2021
PCE	**110**
TCE	**70**

MW-9	8/3/2021	10/14/2021
PCE	<0.37	<0.37
TCE	<0.16	<0.16

LCMW-9	11/5/2013
PCE	<0.33
TCE	<0.33

LCMW-10	11/5/2013
PCE	*1.02*
TCE	*1.02*

LCMW-8	9/14/2021
PCE	9,600
TCE	230 J

LCMW-3	11/5/2013
PCE	57,000
TCE	1,470

LCMW-2	9/14/2021
PCE	9,600
TCE	260 J

LCMW-6	11/5/2013
PCE	6.4
TCE	*1.06*

LCMW-7	9/14/2021
PCE	440
TCE	42

LCMW-4	11/5/2013
PCE	*0.7*
TCE	<0.33

LCMW-1	11/5/2013
PCE	11.6
TCE	<0.33

LCMW-5	11/5/2013
PCE	760
TCE	145

MANITOWOC RIVER
RAILROAD
E GRAND STREET
E MAIN STREET
WALNUT STREET
DOUGLAS STREET
ADAMS STREET
WEBSTER STREET
SG-1
MW-12
PZ-12
MW-11
PZ-10
MW-10
B-6
WEST
MW-2
MW-1
B-9
B-5A
B-5
LARGE
B-11
B-12
PZ-5
MW-5
OMPZ-4
EAST
PZ-8
MW-8
PZ-14
MW-14
PZ-13
MW-13
PZ-9
OMPZ-3
MW-9
LCMW-09
LCMW-10
LCPZ-04
LCPZ-07/OMPZ-05
LCPZ-03
LCMW-08
LCMW-03
LCMW-02
LCPZ-02
LCPZ-01
LCMW-04
LCMW-07
LCMW-06
LCMW-01
LCMW-05
LCPZ-06/
OMPZ-02
LCPZ-05/OMPZ-01

Source: Basemap: The Sigma Group, drawing no. 19824-topo.dwg dated 12/28/2020.
Aerial Imagery: Bing Maps © Microsoft Corporation 2021.

0 100 Feet

- PROPERTY BOUNDARY
- GROUNDWATER MONITORING WELL
- GROUNDWATER MONITORING WELL (LARSON CLEANERS)
- GROUNDWATER MONITORING POINT
- PIEZOMETER INSTALLED BY OMNNI/WDNR
- SUMP PIT
- STAFF GAUGE
- MANHOLE
- TRANSFORMER
- CHAIN LINK FENCE
- CONCRETE AREA
- CVOC NR 140 ES EXCEEDANCE (5.0 µg/L)

NOTES

ALL CONCENTRATIONS IN MICROGRAMS PER LITER (ug/L)

PCE - TETRACHLOROETHENE
TCE - TRICHLOROETHENE

UNDERLINED VALUES INDICATE AN EXCEEDANCE OF THE NR 140 PREVENTATIVE ACTION LIMIT.

BOLD VALUES INDICATE AN EXCEEDANCE OF THE NR 140 ENFORCEMENT STANDARD.

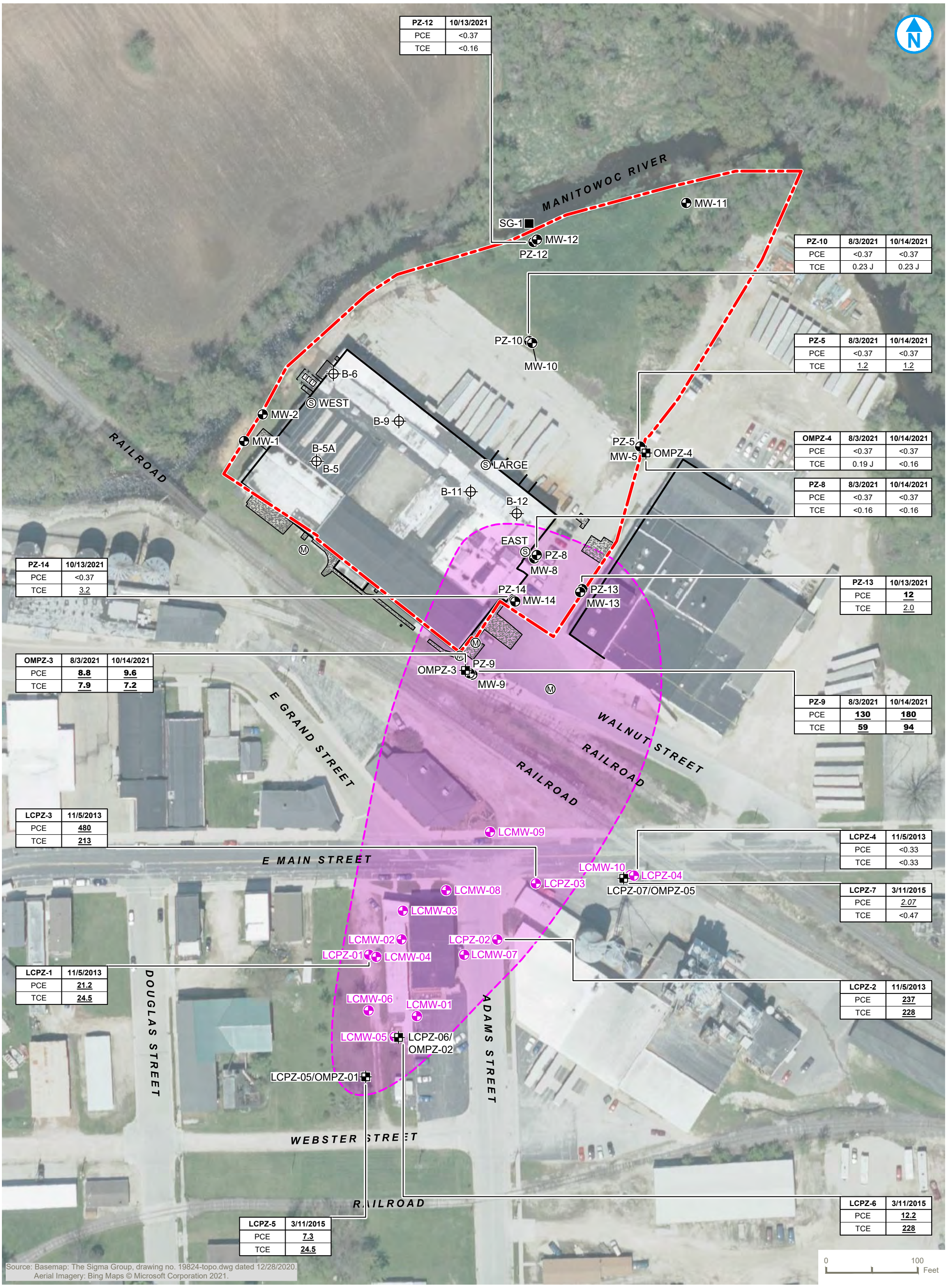
*SUMP VALUES NOT COMPARED TO NR 140 GROUNDWATER CRITERIA.

DISTRIBUTION OF PCE AND TCE IN GROUNDWATER - SHALLOW

NEWELL OPERATING COMPANY
FORMER MIRRO PLANT NO. 20
44 WALNUT STREET
CHILTON, WISCONSIN

FIGURE 10A

RAMBOLL US CONSULTING, INC.
A RAMBOLL COMPANY



PZ-12	10/13/2021
PCE	<0.37
TCE	<0.16

PZ-10	8/3/2021	10/14/2021
PCE	<0.37	<0.37
TCE	0.23 J	0.23 J

PZ-5	8/3/2021	10/14/2021
PCE	<0.37	<0.37
TCE	1.2	1.2

OMPZ-4	8/3/2021	10/14/2021
PCE	<0.37	<0.37
TCE	0.19 J	<0.16

PZ-8	8/3/2021	10/14/2021
PCE	<0.37	<0.37
TCE	<0.16	<0.16

PZ-14	10/13/2021
PCE	<0.37
TCE	3.2

PZ-13	10/13/2021
PCE	**12**
TCE	2.0

OMPZ-3	8/3/2021	10/14/2021
PCE	**8.8**	**9.6**
TCE	**7.9**	**7.2**

PZ-9	8/3/2021	10/14/2021
PCE	**130**	**180**
TCE	**59**	**94**

LCPZ-3	11/5/2013
PCE	480
TCE	213

LCPZ-4	11/5/2013
PCE	<0.33
TCE	<0.33

LCPZ-7	3/11/2015
PCE	2.07
TCE	<0.47

LCPZ-1	11/5/2013
PCE	21.2
TCE	24.5

LCPZ-2	11/5/2013
PCE	237
TCE	228

LCPZ-6	3/11/2015
PCE	12.2
TCE	228

LCPZ-5	3/11/2015
PCE	7.3
TCE	24.5

Source: Basemap: The Sigma Group, drawing no. 19824-topo.dwg dated 12/28/2020.
Aerial Imagery: Bing Maps © Microsoft Corporation 2021.

- PROPERTY BOUNDARY
- GROUNDWATER MONITORING WELL
- GROUNDWATER MONITORING WELL (LARSON CLEANERS)
- GROUNDWATER MONITORING POINT
- PIEZOMETER INSTALLED BY OMNNI/WDNR
- SUMP PIT
- STAFF GAUGE
- MANHOLE
- TRANSFORMER
- CHAIN LINK FENCE
- CONCRETE AREA
- CVOC NR 140 ES EXCEEDANCE (5.0 µg/L)

NOTES

ALL CONCENTRATIONS IN MICROGRAMS PER LITER (ug/L)

PCE - TETRACHLOROETHENE
TCE - TRICHLOROETHENE

UNDERLINED VALUES INDICATE AN EXCEEDANCE OF THE NR 140 PREVENTATIVE ACTION LIMIT.

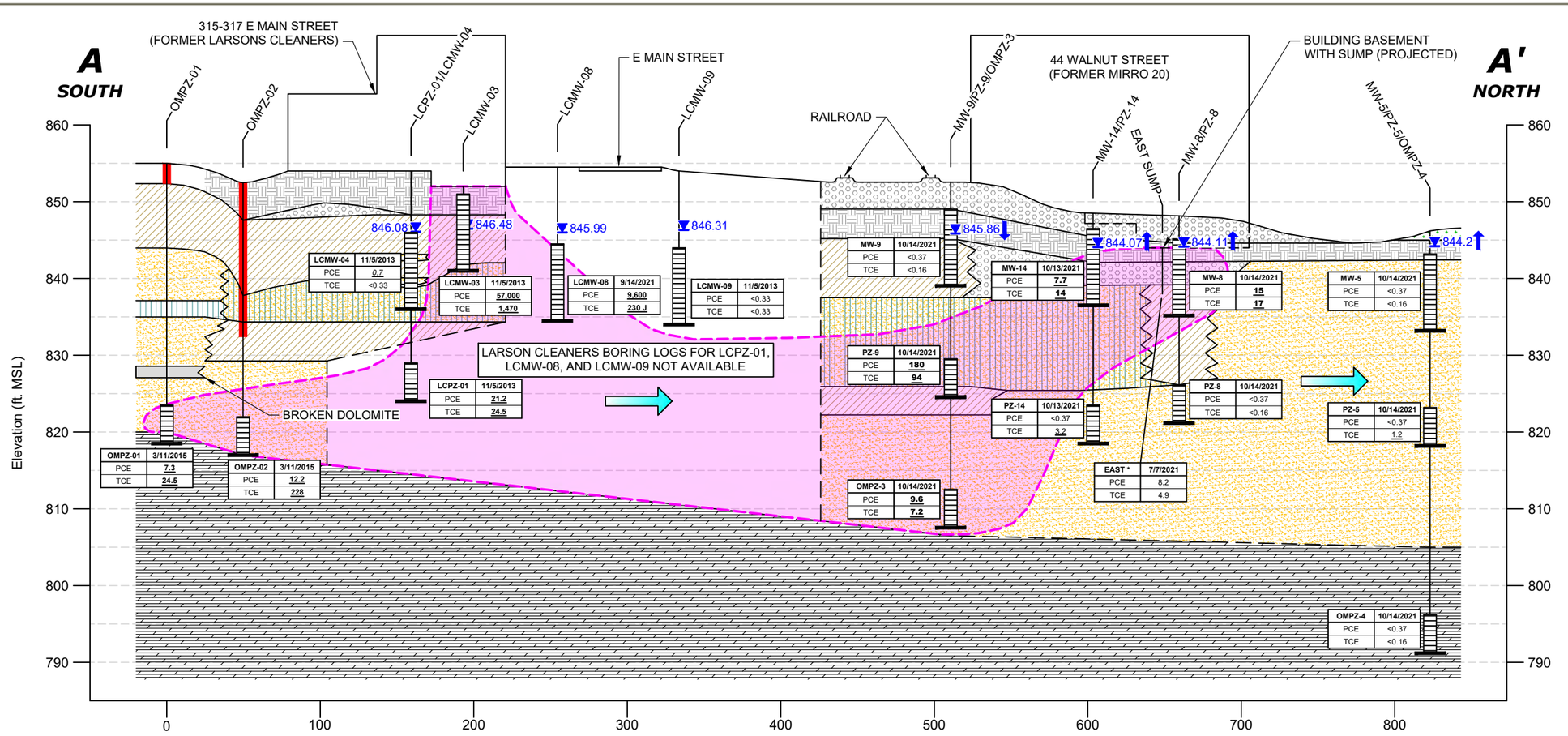
BOLD VALUES INDICATE AN EXCEEDANCE OF THE NR 140 ENFORCEMENT STANDARD.

DISTRIBUTION OF PCE AND TCE IN GROUNDWATER - DEEP

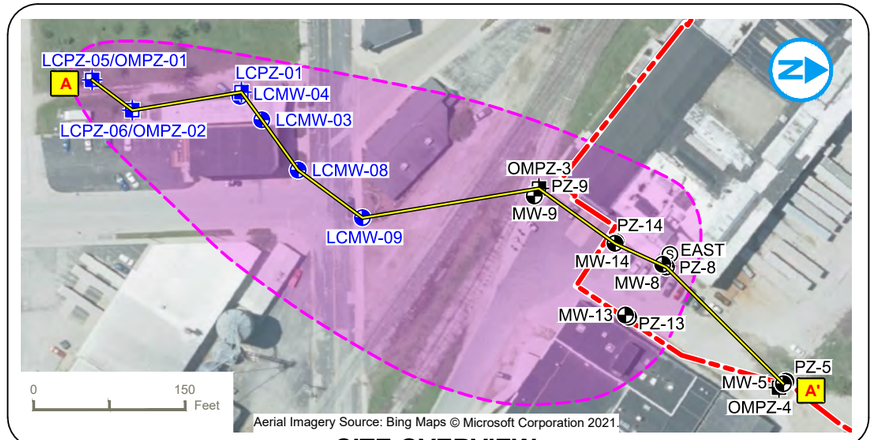
NEWELL OPERATING COMPANY
FORMER MIRRO PLANT NO. 20
44 WALNUT STREET
CHILTON, WISCONSIN

FIGURE 10B

RAMBOLL US CONSULTING, INC.
A RAMBOLL COMPANY



NOTE:
* WATER LEVEL MEASUREMENTS FOR LARSON CLEANERS MONITORING WELLS WERE RECORDED NOVEMBER 5 AND 6, 2013.



SITE OVERVIEW

SAMPLE LOCATION
END OF BORING
LITHOLOGY CONTACT
MONITORING WELL SCREEN INTERVAL
BLIND DRILL

TOPSOIL
FILL-SAND
FILL-CLAY
SILT
CLAY

SAND
SILTY SAND
BEDROCK (APPROXIMATE)
CVOC NR 140 ES EXCEEDANCE (5.0 µg/L)
845.86 WATER LEVEL (OCTOBER 12, 2021*)

GROUNDWATER FLOW DIRECTION (APPROXIMATE)
VERTICAL HYDROGEOLOGIC GRADIENT DIRECTION

CROSS-SECTION A-A'

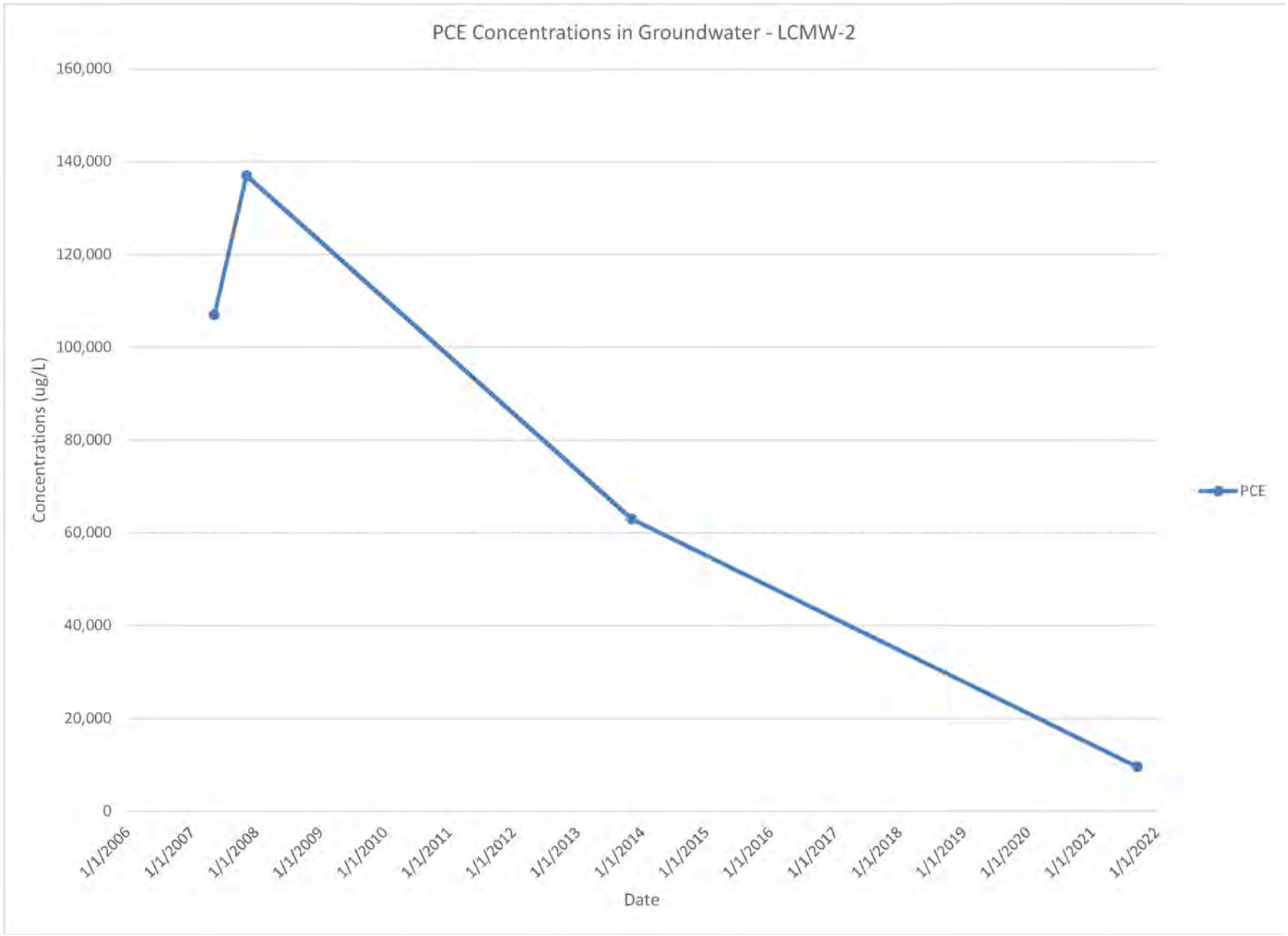
NEWELL OPERATING COMPANY
FORMER MIRRO PLANT NO. 20
44 WALNUT STREET
CHILTON, WISCONSIN

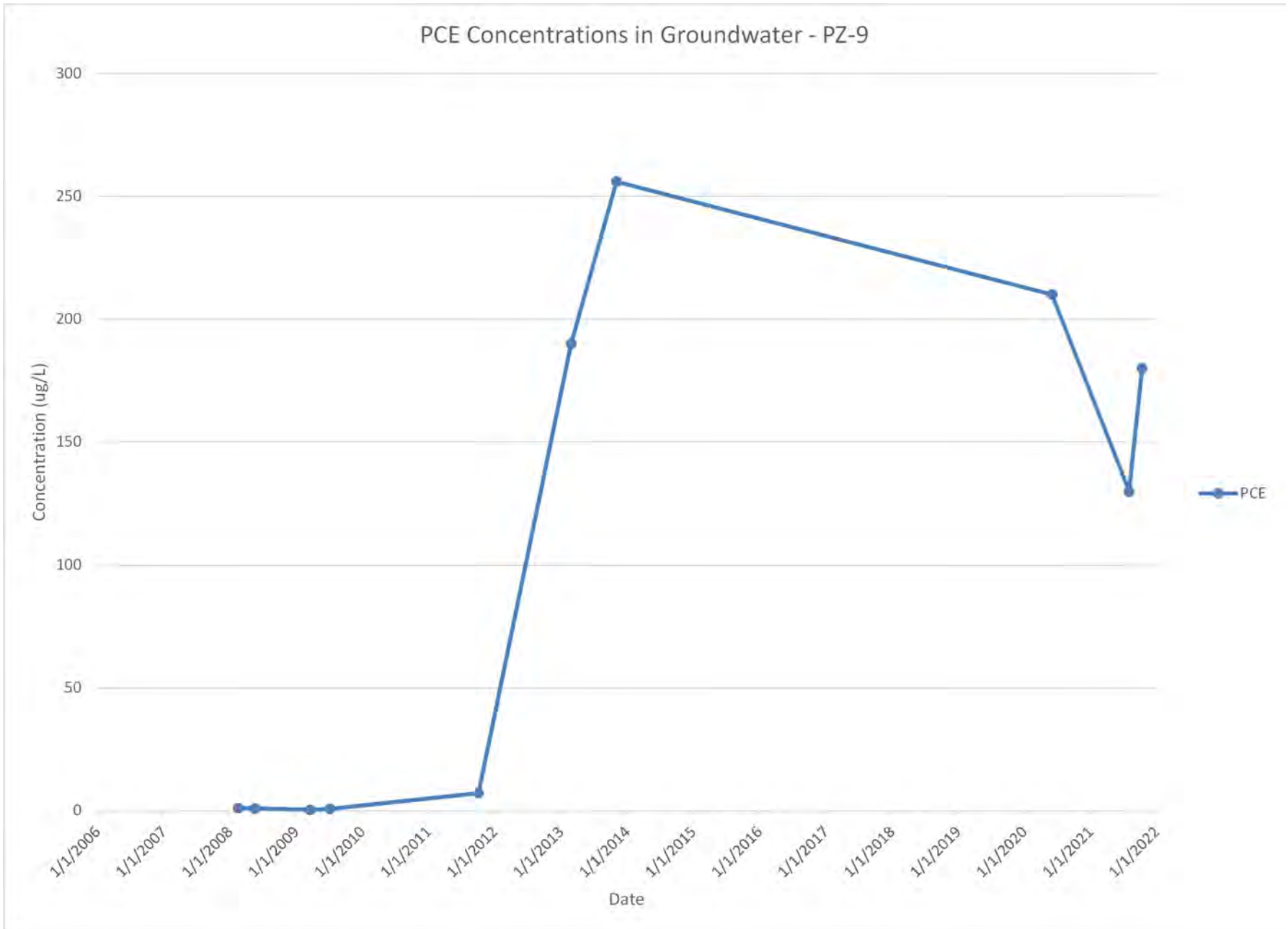
FIGURE 11

RAMBOLL US CONSULTING, INC.
A RAMBOLL COMPANY

RAMBOLL

L:\Loop Project Files_CAD\1690019558_Newell_Mirro-20_PHII\2022-01\11_Cross-Section A-A'.dwg
DESIGNER: HJW
DATED: 2/2/2022
PROJECT: 1690019558





PCE CONCENTRATION TREND CHARTS - LCMW-2 & PZ-9

FIGURE 12

NEWELL OPERATING COMPANY
FORMER MIRRO PLANT NO. 20
44 WALNUT STREET
CHILTON, WISCONSIN

RAMBOLL US CONSULTING, INC.
A RAMBOLL COMPANY

RAMBOLL

PROJECT: 1690019558 DATED: 2/2/2022 DESIGNER: HJW L:\Loop Project Files_CAD\1690019558_Newell_Mirro-20_PHII\2022-01\13A_Distribution of 1,2-DCA in GW-Shallow.dwg

S-3	11/20/2017
1,2-DCA	**168 J**

S-16	10/27/2020
1,2-DCA	<0.28

MW-30	11/13/2017
1,2-DCA	<0.17

S-17	12/18/2006
1,2-DCA	**570**

MW-35	10/26/2020
1,2-DCA	<1.1

S-13	10/27/2020
1,2-DCA	**15.6**

S-5	9/25/2008
1,2-DCA	**532**

S-8	11/20/2017
1,2-DCA	<0.17

MW-31	10/27/2020
1,2-DCA	**127**

S-20A	11/14/2017
1,2-DCA	<0.17

S-23A	11/14/2017
1,2-DCA	<0.17

S-24A	11/17/2017
1,2-DCA	<0.17

S-22A	11/20/2017
1,2-DCA	<0.17

B-6	8/3/2021	10/13/2021
1,2-DCA	<0.39	<0.39

B-9	8/3/2021	10/13/2021
1,2-DCA	<0.39	<0.39

MW-10	8/3/2021	10/14/2021
1,2-DCA	**27**	**6.0**

S-25A	11/15/2017
1,2-DCA	<0.17

S-29A	9/20/2007
1,2-DCA	<0.36

S-26A	11/15/2017
1,2-DCA	<0.17

MW-12	10/13/2021
1,2-DCA	0. 86 J

S-28A	11/20/2017
1,2-DCA	<0.17

LARGE *	7/7/2021
1,2-DCA	<0.39

MW-11	10/13/2021
1,2-DCA	**19**

S-27A	9/23/2014
1,2-DCA	<0.17

B-5A	8/3/2021	10/13/2021
1,2-DCA	<0.39	<0.39

B-5	8/3/2021	10/13/2021
1,2-DCA	<0.39	<0.39

MW-2	8/3/2021	10/14/2021
1,2-DCA	<0.39	<0.39

WEST *	7/7/2021
1,2-DCA	<0.39

B-11	8/3/2021	10/13/2021
1,2-DCA	<0.39	<0.39

MW-1	8/3/2021	10/14/2021
1,2-DCA	<0.39	<0.39

B-12	8/3/2021	10/13/2021
1,2-DCA	<0.39	<0.39

EAST *	7/7/2021
1,2-DCA	<0.39

MW-14	10/13/2021
1,2-DCA	<0.39

MW-8	8/3/2021	10/14/2021
1,2-DCA	<0.39	<0.39

MW-9	8/3/2021	10/14/2021
1,2-DCA	<0.39	<0.39

MW-5	8/3/2021	10/14/2021
1,2-DCA	0. 56 J	<0.39

MW-13	10/13/2021
1,2-DCA	<0.39

CMS-6, CMS-14, CMS-3, CMS-1, CMS-16, CMS-2, CMS-9, CMS-15, CMS-12, CMS-11, CMS-10, CMS-13, CMS-5, CMS-17/CMS-17P/CMS-17PP, CMS-4, CMS-18, CMS-19, CMMW-35, CMMW-33, CMMW-34, CMS-8, CMMW-31, MW-30, CMS-22A/CMS-22B/CMS-22C, CMS-23A/CMS-23B/CMS-23C, CMS-24A/CMS-24B/CMS-24C, CMS-20A/CMS-20B, CMS-7, CMS-21, CMS-25A, CMS-25B/CMS-25C, CMS-26A/CMS-26B/CMS-26C, CMS-28A/CMS-28B/CMS-28C, CMS-27A/CMS-27B/CMS-27C, CMS-29A/CMS-29B/CMS-29C

E BREED STREET

RAILROAD

MANITOWOC RIVER

E GRAND STREET

MILL STREET

WALNUT STREET

SG-1, PZ-12, MW-12, PZ-10, MW-10, MW-11, B-6, WEST, MW-2, MW-1, B-5A, B-5, B-9, LARGE, B-11, B-12, EAST, PZ-8, MW-8, PZ-13, MW-13, PZ-14, MW-14, OMPZ-3, MW-9, PZ-9, PZ-5, MW-5, OMPZ-4

0 160 Feet

Source: Basemap: The Sigma Group, drawing no. 19824-topo.dwg dated 12/28/2020.
Aerial Imagery: Bing Maps © Microsoft Corporation 2021.

- PROPERTY BOUNDARY
- GROUNDWATER MONITORING WELL
- GROUNDWATER MONITORING WELL (FORMER CHILTON METAL PRODUCTS)
- GROUNDWATER MONITORING POINT
- PIEZOMETER INSTALLED BY OMNNI/WDNR
- SUMP PIT
- STAFF GAUGE
- MANHOLE
- TRANSFORMER
- CHAIN LINK FENCE
- CONCRETE AREA

- 1,2-DCA NR 140 ES EXCEEDANCE (5.0 µg/L)
- 1,2-DCA NR 140 PAL EXCEEDANCE (0.5 µg/L)

NOTES:

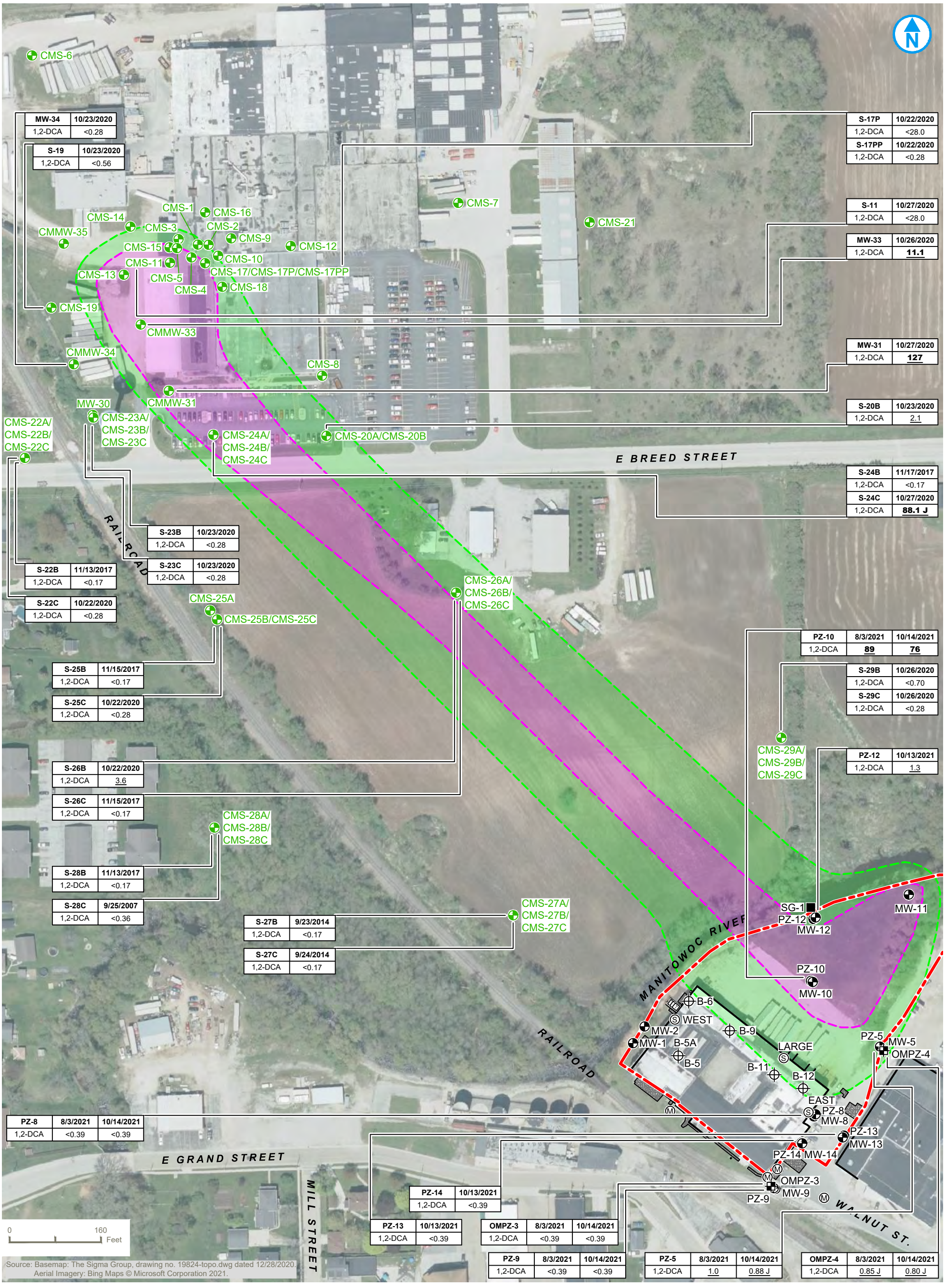
1. ALL CONCENTRATIONS IN MICROGRAMS PER LITER (ug/L)
2. 1,2-DCA - 1,2-DICHLOROETHANE
3. UNDERLINED VALUES INDICATE AN EXCEEDANCE OF THE NR 140 PREVENTATIVE ACTION LIMIT.
4. **BOLD** VALUES INDICATE AN EXCEEDANCE OF THE NR 140 ENFORCEMENT STANDARD.
5. *SUMP VALUES NOT COMPARED TO NR 140 GROUNDWATER CRITERIA.

DISTRIBUTION OF 1,2-DCA IN GROUNDWATER - SHALLOW

FIGURE 13A

NEWELL OPERATING COMPANY
FORMER MIRRO PLANT NO. 20
44 WALNUT STREET
CHILTON, WISCONSIN

RAMBOLL US CONSULTING, INC.
A RAMBOLL COMPANY



PROPERTY BOUNDARY
GROUNDWATER MONITORING WELL
GROUNDWATER MONITORING WELL (FORMER CHILTON METAL PRODUCTS)
GROUNDWATER MONITORING POINT
PIEZOMETER INSTALLED BY OMNNI/WDNR
SUMP PIT
STAFF GAUGE
MANHOLE
TRANSFORMER
CHAIN LINK FENCE
CONCRETE AREA

1,2-DCA NR 140 ES EXCEEDANCE (5.0 µg/L)
1,2-DCA NR 140 PAL EXCEEDANCE (0.5 µg/L)

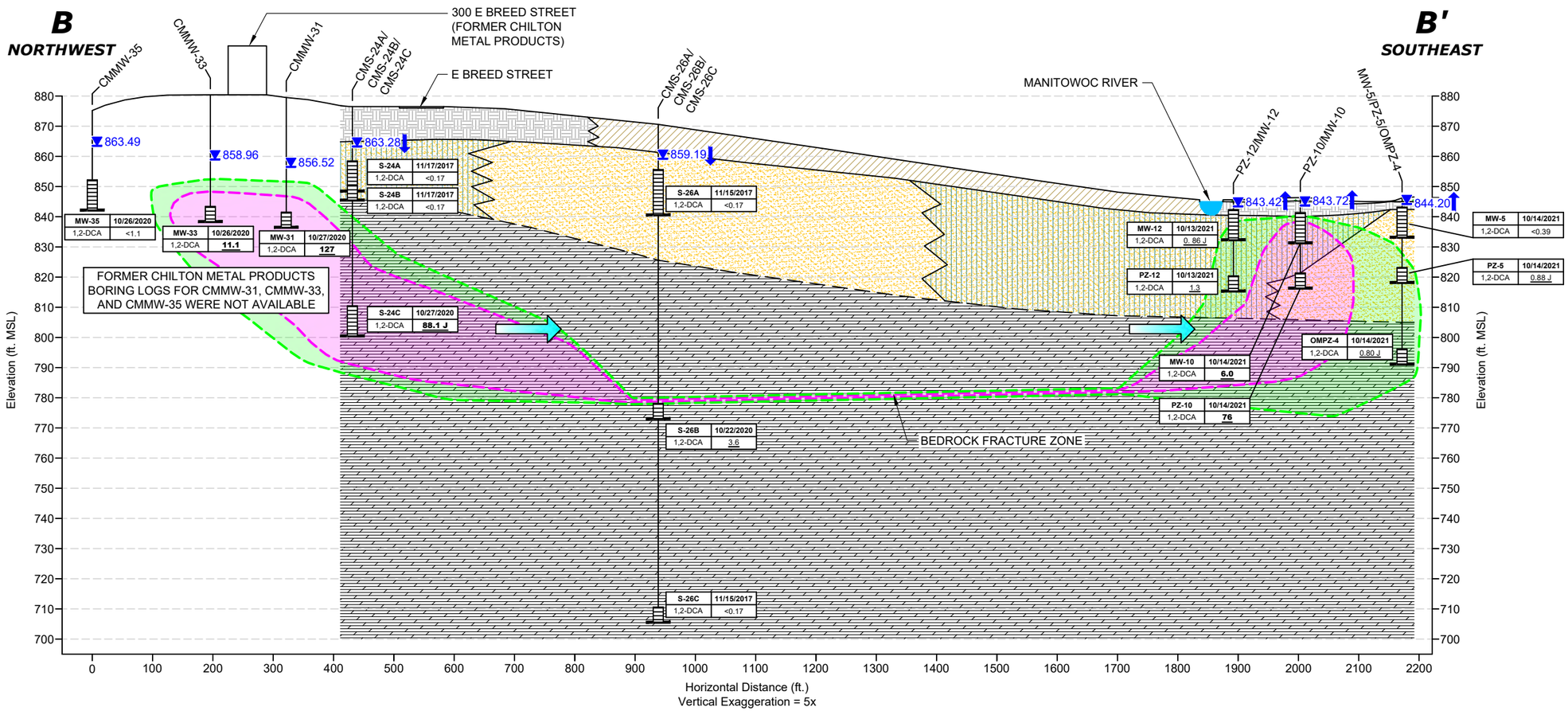
NOTES:
1. ALL CONCENTRATIONS IN MICROGRAMS PER LITER (ug/L)
2. 1,2-DCA - 1,2-DICHLOROETHANE
3. UNDERLINED VALUES INDICATE AN EXCEEDANCE OF THE NR 140 PREVENTATIVE ACTION LIMIT.
4. **BOLD** VALUES INDICATE AN EXCEEDANCE OF THE NR 140 ENFORCEMENT STANDARD.

DISTRIBUTION OF 1,2-DCA IN GROUNDWATER - DEEP

NEWELL OPERATING COMPANY
FORMER MIRRO PLANT NO. 20
44 WALNUT STREET
CHILTON, WISCONSIN

FIGURE 13B

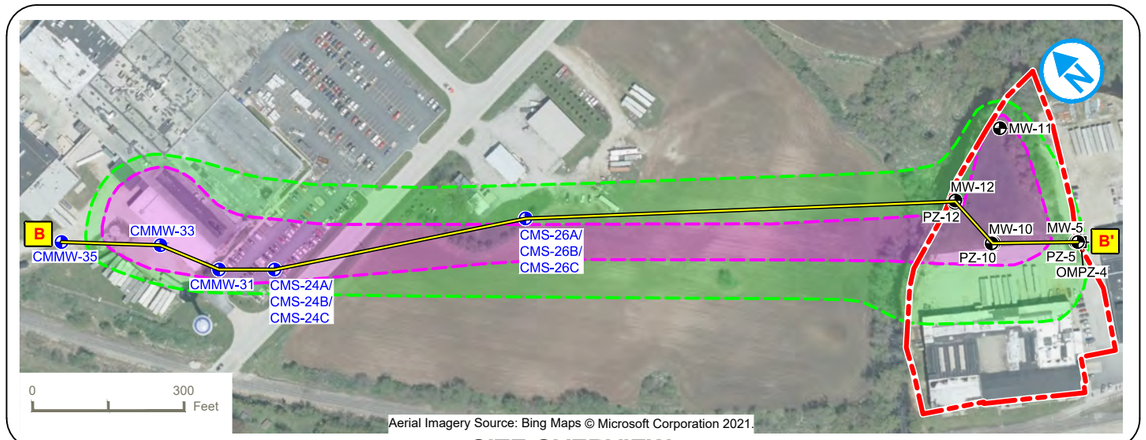
RAMBOLL US CONSULTING, INC.
A RAMBOLL COMPANY
RAMBOLL



NOTES:

1. GEOLOGY AND VERTICAL HYDRAULIC GRADIENTS NORTH OF MANITOWOC RIVER WERE INTERPRETED FROM WDNR DRAFT TECHNICAL MEMO DATED JANUARY 7, 2015.

2. FORMER CHILTON METAL PRODUCTS MONITORING WELL CONSTRUCTION, LOCATIONS, AND DEPTHS ARE APPROXIMATE. *WATER LEVEL MEASUREMENTS FOR FORMER CHILTON METAL PRODUCTS MONITORING WELLS WERE RECORDED OCTOBER 2020.



SITE OVERVIEW

SAMPLE LOCATION
END OF BORING
LITHOLOGY CONTACT
MONITORING WELL SCREEN INTERVAL
BLIND DRILL

TOPSOIL
FILL-SAND
FILL-CLAY
SILT
CLAY

SAND
SILTY SAND
BEDROCK (APPROXIMATE)
1,2-DCA NR 140 ES EXCEEDANCE (5.0 µg/L)
1,2-DCA NR 140 PAL EXCEEDANCE (0.5 µg/L)

863.28 WATER LEVEL (OCTOBER 12, 2021*)
GROUNDWATER FLOW DIRECTION (APPROXIMATE)
VERTICAL HYDROGEOLOGIC GRADIENT DIRECTION

CROSS-SECTION B-B'

NEWELL OPERATING COMPANY
FORMER MIRRO PLANT NO. 20
44 WALNUT STREET
CHILTON, WISCONSIN

FIGURE 14

RAMBOLL US CONSULTING, INC.
A RAMBOLL COMPANY

RAMBOLL

PROJECT: 1690019558 DATED: 2/2/2022 DESIGNER: HJW

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APPENDIX A

LARSON CLEANERS –OMNNI 2015 INVESTIGATION INFORMATION

Parcels
Monitoring Well
Piezometer
PCE Isoconcentration (ppb)

NOTE:
Results from observation wells and piezometers are included.

CMMW29B < 0.33
CMMW29C < 0.33
CMMW27B < 0.33
MIPZ11 < 0.74
MIPZ05 < 0.33
MIPZ09 256
MIPZ10 25.5
LCMW09 < 0.33
LCPZ03 480
LCMW10 1.02 J
LCPZ04 < 0.33
LCPZ07 2.07 J
LCMW08 9400
LCMW03 57000
LCMW02 53000
LCPZ02 237
LCPZ01 212
LCMW07
LCMW04 530
LCMW06 6.4
LCMW01 11.6
LCMW05 760
LCPZ06 12.2
LCPZ05 7.3
5
50
500
CPMW02 1.35
CPMW03 < 0.33
GSPZ103 < 0.33
GSMW103 0.48 J
CPPZ04 3.5
CPPZ105 < 0.33
CPPZ05 < 0.74
CCPZ101 < 0.33
CCMW101 < 0.33
CCPZ102 < 0.33
CCMW102 < 0.33
CCPZ104 < 0.33
CCMW104 < 0.33
0 150 300 Feet

N W E S

Project Manager:	DJB
Project Engineer:	DJB
Drawn By:	JCW
Checked By:	DJB
Date:	11/5/2015

CHILTON SOLVENT INVESTIGATION
ISOCONCENTRATION MAP OF PCE IN GROUNDWATER (ug/L) (2013 AND 2015 Sampling Events)
CITY OF CHILTON
CALUMET COUNTY, WISCONSIN

OMNI ASSOCIATES
ONE SYSTEMS DRIVE PHONE (920) 735-6900
APPLETON, WI 54914 FAX (920) 830-6100

SCALE: 1 " = 150 '
PROJECT NO. N2148A13
FIGURE NO. 4

F:\ENV\ROW\2148A13 (WDNR-Chilton)\GIS\PCE_1311.mxd

Parcels
Monitoring Well
Piezometer
TCE Isoconcentration (ppb)

NOTE:
Results from observation wells and piezometers are included.

CMMW29B 105
CMMW29C 20.7
CMMW27B 3.3
MIPZ05 < 0.33
MIPZ11 < 0.47
MIPZ10 26.6
MIPZ09 239
LCMW09 < 0.33
LCMW08 276
LCPZ03 213
LCMW10 1.02
LCPZ04 < 0.33
LCPZ07 < 0.47
LCMW03 1470
LCMW02 307
LCPZ01 24.5
LCMW07 21
LCPZ02 226
LCMW04 < 0.33
LCMW06 1.06
LCMW01 < 0.33
LCMW05 143
LCPZ06 57
LCPZ05 < 0.47
CPPZ05 < 0.47
CPMW02 62
CPMW03 49
GSPZ103 < 0.33
GSMW103 0.55 J
CPPZ04 < 0.33
CPPZ105 < 0.33
CCPZ101 < 0.33
CCMW101 < 0.33
CCPZ102 < 0.33
CCMW102 < 0.33
CCMW104 < 0.33
CCPZ104 < 0.33
500
50
5

0 150 300 Feet

N W E S

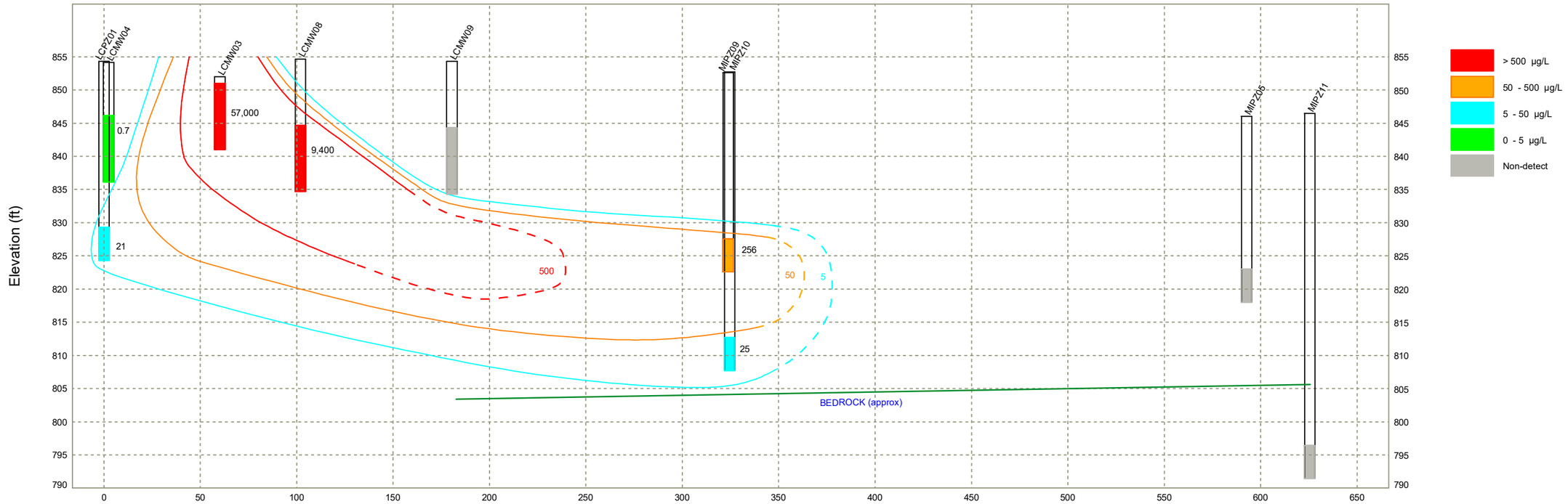
Project Manager: DJB
Project Engineer: DJB
Drawn By: JCW
Checked By: DJB
Date: 11/5/2015

CHILTON SOLVENT INVESTIGATION
ISOCONCENTRATION MAP OF TCE IN GROUNDWATER (ug/L)
(2013 AND 2015 Sampling Events)
CITY OF CHILTON
CALUMET COUNTY, WISCONSIN

OMNI ASSOCIATES
ONE SYSTEMS DRIVE PHONE (920) 735-6900
APPLETON, WI 54914 FAX (920) 830-6100

SCALE: 1 " = 150 '
PROJECT NO. N2148A13
FIGURE NO. 5

F:\ENV\ROW\2148A13 (WDNR-Chilton)\GIS\TCE_1311.mxd



N
W E
S

Project Manager:	DJB		
Project Engineer:	DJB		
Drawn By:	JCW	Date:	11/5/2015
Checked By:	DJB		

CHILTON SOLVENT INVESTIGATION

CROSS-SECTIONAL VIEW OF PCE IN GROUNDWATER
SECTION A-A' (NOVEMBER 5-6, 2013)

CITY OF CHILTON, CALUMET COUNTY, WISCONSIN

OMNI ASSOCIATES
ONE SYSTEMS DRIVE APPLETON, WI 54914
PHONE (920) 735-6900
FAX (920) 830-6100

SCALE:

PROJECT NO.
N2148A14

FIGURE NO.
6

F:\ENVIRON\2148A13 (WDNR-Chilton)\GIS\PCE_A-A.mxd

APPENDIX B

LARSON CLEANERS – LABORATORY ANALYTICAL REPORT (SEPTEMBER 2021)

Sample Summary Report

Project Name: LARSON CLEANERS Project | **GroupID: 49669/68HERH20D0011/E4585** | **Lab Name: Chemtech Consulting Group**

Sample Number: E4585	Method: Volatile Organics	Matrix: Water	MA Number:
Sample Location: MW-02	pH: 1.0	Sample Date: 09/14/2021	Sample Time: 11:15:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Vinyl chloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromomethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	1.4	J	ug/L	1.4	J	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Acetone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Carbon disulfide	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methyl Acetate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methylene chloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	9.3		ug/L	9.3		1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	31		ug/L	31		1.0	YES	S3VEM
2-Butanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Bromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloroform	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Cyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Benzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Trichloroethene	Target	260	J	ug/L	260	JD	100.0	YES	S3VEM
Methylcyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromodichloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Toluene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Tetrachloroethene	Target	9600		ug/L	9600	D	100.0	YES	S3VEM
2-Hexanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Dibromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Ethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
o-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
m,p-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Styrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromoform	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Isopropylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	0.82	J	ug/L	0.82	J	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,4-trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: LARSON CLEANERS Project **GroupID: 49669/68HERH20D0011/E4585** **Lab Name: Chemtech Consulting Group**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,3-Trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Total Alkanes	TIC		NV	ug/L		N	1.0	YES	NV

Sample Summary Report

Project Name: LARSON CLEANERS Project **GroupID: 49669/68HERH20D0011/E4585** **Lab Name: Chemtech Consulting Group**

Sample Number: E4586	Method: Volatile Organics	Matrix: Water	MA Number:
Sample Location: MW-07	pH: 1.0	Sample Date: 09/14/2021	Sample Time: 13:25:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Vinyl chloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromomethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloroethane	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Acetone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Carbon disulfide	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S3VEM
Methyl Acetate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methylene chloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.97	J	ug/L	0.97	J	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	10		ug/L	10		1.0	YES	S3VEM
2-Butanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Bromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloroform	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Cyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Benzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Trichloroethene	Target	42		ug/L	42		1.0	YES	S3VEM
Methylcyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromodichloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Toluene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Tetrachloroethene	Target	440		ug/L	440	D	10.0	YES	S3VEM
2-Hexanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Dibromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Ethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
o-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
m,p-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Styrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromoform	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Isopropylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: LARSON CLEANERS Project **GroupID: 49669/68HERH20D0011/E4585** **Lab Name: Chemtech Consulting Group**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Total Alkanes	TIC		NV	ug/L		N	1.0	YES	NV

Sample Summary Report

Project Name: LARSON CLEANERS Project **GroupID: 49669/68HERH20D0011/E4585** **Lab Name: Chemtech Consulting Group**

Sample Number: E4587	Method: Volatile Organics	Matrix: Water	MA Number:
Sample Location: MW-08	pH: 1.0	Sample Date: 09/14/2021	Sample Time: 13:07:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	250	U	ug/L	250	U	50.0	YES	S3VEM
Chloromethane	Target	250	U	ug/L	250	U	50.0	YES	S3VEM
Vinyl chloride	Target	250	U	ug/L	250	U	50.0	YES	S3VEM
Bromomethane	Target	250	U	ug/L	250	U	50.0	YES	S3VEM
Chloroethane	Target	250	U	ug/L	250	U	50.0	YES	S3VEM
Trichlorofluoromethane	Target	250	U	ug/L	250	U	50.0	YES	S3VEM
1,1-Dichloroethene	Target	250	U	ug/L	250	U	50.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	250	U	ug/L	250	U	50.0	YES	S3VEM
Acetone	Target	500	U	ug/L	500	U	50.0	YES	S3VEM
Carbon disulfide	Target	250	UJ	ug/L	250	U	50.0	YES	S3VEM
Methyl Acetate	Target	250	U	ug/L	250	U	50.0	YES	S3VEM
Methylene chloride	Target	210	J	ug/L	210	JD	50.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	250	U	ug/L	250	U	50.0	YES	S3VEM
Methyl tert-butyl Ether	Target	250	U	ug/L	250	U	50.0	YES	S3VEM
1,1-Dichloroethane	Target	250	U	ug/L	250	U	50.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	250	U	ug/L	250	U	50.0	YES	S3VEM
2-Butanone	Target	500	U	ug/L	500	U	50.0	YES	S3VEM
Bromochloromethane	Target	250	U	ug/L	250	U	50.0	YES	S3VEM
Chloroform	Target	250	U	ug/L	250	U	50.0	YES	S3VEM
1,1,1-Trichloroethane	Target	250	U	ug/L	250	U	50.0	YES	S3VEM
Cyclohexane	Target	250	U	ug/L	250	U	50.0	YES	S3VEM
Carbon tetrachloride	Target	250	U	ug/L	250	U	50.0	YES	S3VEM
Benzene	Target	250	U	ug/L	250	U	50.0	YES	S3VEM
1,2-Dichloroethane	Target	250	U	ug/L	250	U	50.0	YES	S3VEM
Trichloroethene	Target	230	J	ug/L	230	JD	50.0	YES	S3VEM
Methylcyclohexane	Target	250	U	ug/L	250	U	50.0	YES	S3VEM
1,2-Dichloropropane	Target	250	U	ug/L	250	U	50.0	YES	S3VEM
Bromodichloromethane	Target	250	U	ug/L	250	U	50.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	250	U	ug/L	250	U	50.0	YES	S3VEM
4-Methyl-2-pentanone	Target	500	U	ug/L	500	U	50.0	YES	S3VEM
Toluene	Target	250	U	ug/L	250	U	50.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	250	U	ug/L	250	U	50.0	YES	S3VEM
1,1,2-Trichloroethane	Target	250	U	ug/L	250	U	50.0	YES	S3VEM
Tetrachloroethene	Target	9600		ug/L	9600	D	50.0	YES	S3VEM
2-Hexanone	Target	500	U	ug/L	500	U	50.0	YES	S3VEM
Dibromochloromethane	Target	250	U	ug/L	250	U	50.0	YES	S3VEM
1,2-Dibromoethane	Target	250	U	ug/L	250	U	50.0	YES	S3VEM
Chlorobenzene	Target	250	U	ug/L	250	U	50.0	YES	S3VEM
Ethylbenzene	Target	250	U	ug/L	250	U	50.0	YES	S3VEM
o-Xylene	Target	250	U	ug/L	250	U	50.0	YES	S3VEM
m,p-Xylene	Target	250	U	ug/L	250	U	50.0	YES	S3VEM
Styrene	Target	250	U	ug/L	250	U	50.0	YES	S3VEM
Bromoform	Target	250	U	ug/L	250	U	50.0	YES	S3VEM
Isopropylbenzene	Target	250	U	ug/L	250	U	50.0	YES	S3VEM
1,2,3-Trichloropropane	Target	250	U	ug/L	250	U	50.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	250	U	ug/L	250	U	50.0	YES	S3VEM
1,3-Dichlorobenzene	Target	250	U	ug/L	250	U	50.0	YES	S3VEM
1,4-Dichlorobenzene	Target	250	U	ug/L	250	U	50.0	YES	S3VEM
1,2-Dichlorobenzene	Target	250	U	ug/L	250	U	50.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	250	U	ug/L	250	U	50.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	250	U	ug/L	250	U	50.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	250	U	ug/L	250	U	50.0	YES	S3VEM

Sample Summary Report

Project Name: LARSON CLEANERS Project **GroupID: 49669/68HERH20D0011/E4585** **Lab Name: Chemtech Consulting Group**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	250	U	ug/L	250	U	50.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	250	U	ug/L	250	U	50.0	YES	S3VEM
Total Alkanes	TIC		NV	ug/L		DN	50.0	YES	NV

Sample Summary Report

Project Name: LARSON CLEANERS Project **GroupID: 49669/68HERH20D0011/E4585** **Lab Name: Chemtech Consulting Group**

Sample Number: E4587MS	Method: Volatile Organics	Matrix: Water	MA Number:
Sample Location:	pH: 1.0	Sample Date: 09/14/2021	Sample Time: 13:07:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Spike	1700		ug/L	1700	D	50.0	YES	S3VEM
Chloromethane	Spike	1800		ug/L	1800	D	50.0	YES	S3VEM
Vinyl chloride	Spike	2000		ug/L	2000	D	50.0	YES	S3VEM
Bromomethane	Spike	2200		ug/L	2200	D	50.0	YES	S3VEM
Chloroethane	Spike	2100		ug/L	2100	D	50.0	YES	S3VEM
Trichlorofluoromethane	Spike	2300		ug/L	2300	D	50.0	YES	S3VEM
1,1-Dichloroethene	Spike	2300		ug/L	2300	D	50.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Spike	2400		ug/L	2400	D	50.0	YES	S3VEM
Acetone	Spike	4900		ug/L	4900	D	50.0	YES	S3VEM
Carbon disulfide	Spike	1700	J	ug/L	1700	D	50.0	YES	S3VEM
Methyl Acetate	Spike	2700		ug/L	2700	D	50.0	YES	S3VEM
Methylene chloride	Spike	2500		ug/L	2500	D	50.0	YES	S3VEM
trans-1,2-Dichloroethene	Spike	2200		ug/L	2200	D	50.0	YES	S3VEM
Methyl tert-butyl Ether	Spike	2400		ug/L	2400	D	50.0	YES	S3VEM
1,1-Dichloroethane	Spike	2400		ug/L	2400	D	50.0	YES	S3VEM
cis-1,2-Dichloroethene	Spike	2300		ug/L	2300	D	50.0	YES	S3VEM
2-Butanone	Spike	5100		ug/L	5100	D	50.0	YES	S3VEM
Bromochloromethane	Spike	2400		ug/L	2400	D	50.0	YES	S3VEM
Chloroform	Spike	2400		ug/L	2400	D	50.0	YES	S3VEM
1,1,1-Trichloroethane	Spike	2300		ug/L	2300	D	50.0	YES	S3VEM
Cyclohexane	Spike	2000		ug/L	2000	D	50.0	YES	S3VEM
Carbon tetrachloride	Spike	2300		ug/L	2300	D	50.0	YES	S3VEM
Benzene	Spike	2400		ug/L	2400	D	50.0	YES	S3VEM
1,2-Dichloroethane	Spike	2500		ug/L	2500	D	50.0	YES	S3VEM
Trichloroethene	Spike	2400		ug/L	2400	D	50.0	YES	S3VEM
Methylcyclohexane	Spike	2000		ug/L	2000	D	50.0	YES	S3VEM
1,2-Dichloropropane	Spike	2400		ug/L	2400	D	50.0	YES	S3VEM
Bromodichloromethane	Spike	2400		ug/L	2400	D	50.0	YES	S3VEM
cis-1,3-Dichloropropene	Spike	2200		ug/L	2200	D	50.0	YES	S3VEM
4-Methyl-2-pentanone	Spike	5600		ug/L	5600	D	50.0	YES	S3VEM
Toluene	Spike	2400		ug/L	2400	D	50.0	YES	S3VEM
trans-1,3-Dichloropropene	Spike	2400		ug/L	2400	D	50.0	YES	S3VEM
1,1,2-Trichloroethane	Spike	2500		ug/L	2500	D	50.0	YES	S3VEM
Tetrachloroethene	Spike	12000		ug/L	12000	ED	50.0	YES	S3VEM
2-Hexanone	Spike	5500		ug/L	5500	D	50.0	YES	S3VEM
Dibromochloromethane	Spike	2400		ug/L	2400	D	50.0	YES	S3VEM
1,2-Dibromoethane	Spike	2400		ug/L	2400	D	50.0	YES	S3VEM
Chlorobenzene	Spike	2300		ug/L	2300	D	50.0	YES	S3VEM
Ethylbenzene	Spike	2300		ug/L	2300	D	50.0	YES	S3VEM
o-Xylene	Spike	2300		ug/L	2300	D	50.0	YES	S3VEM
m,p-Xylene	Spike	2200		ug/L	2200	D	50.0	YES	S3VEM
Styrene	Spike	2400		ug/L	2400	D	50.0	YES	S3VEM
Bromoform	Spike	2500		ug/L	2500	D	50.0	YES	S3VEM
Isopropylbenzene	Spike	2400		ug/L	2400	D	50.0	YES	S3VEM
1,2,3-Trichloropropane	Spike	2700		ug/L	2700	D	50.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Spike	2600		ug/L	2600	D	50.0	YES	S3VEM
1,3-Dichlorobenzene	Spike	2200		ug/L	2200	D	50.0	YES	S3VEM
1,4-Dichlorobenzene	Spike	2200		ug/L	2200	D	50.0	YES	S3VEM
1,2-Dichlorobenzene	Spike	2300		ug/L	2300	D	50.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Spike	2600		ug/L	2600	D	50.0	YES	S3VEM
1,2,4-Trimethylbenzene	Spike	2300		ug/L	2300	D	50.0	YES	S3VEM
1,3,5-Trimethylbenzene	Spike	2300		ug/L	2300	D	50.0	YES	S3VEM

Sample Summary Report

Project Name: LARSON CLEANERS Project **GroupID: 49669/68HERH20D0011/E4585** **Lab Name: Chemtech Consulting Group**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Spike	2000		ug/L	2000	D	50.0	YES	S3VEM
1,2,3-Trichlorobenzene	Spike	2200		ug/L	2200	D	50.0	YES	S3VEM

Sample Summary Report

Project Name: LARSON CLEANERS Project **GroupID: 49669/68HERH20D0011/E4585** **Lab Name: Chemtech Consulting Group**

Sample Number: E4587MSD	Method: Volatile Organics	Matrix: Water	MA Number:
Sample Location:	pH: 1.0	Sample Date: 09/14/2021	Sample Time: 13:07:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Spike	1700		ug/L	1700	D	50.0	YES	S3VEM
Chloromethane	Spike	1800		ug/L	1800	D	50.0	YES	S3VEM
Vinyl chloride	Spike	2000		ug/L	2000	D	50.0	YES	S3VEM
Bromomethane	Spike	2200		ug/L	2200	D	50.0	YES	S3VEM
Chloroethane	Spike	2100		ug/L	2100	D	50.0	YES	S3VEM
Trichlorofluoromethane	Spike	2200		ug/L	2200	D	50.0	YES	S3VEM
1,1-Dichloroethene	Spike	2300		ug/L	2300	D	50.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Spike	2400		ug/L	2400	D	50.0	YES	S3VEM
Acetone	Spike	4800		ug/L	4800	D	50.0	YES	S3VEM
Carbon disulfide	Spike	1800	J	ug/L	1800	D	50.0	YES	S3VEM
Methyl Acetate	Spike	2600		ug/L	2600	D	50.0	YES	S3VEM
Methylene chloride	Spike	2500		ug/L	2500	D	50.0	YES	S3VEM
trans-1,2-Dichloroethene	Spike	2200		ug/L	2200	D	50.0	YES	S3VEM
Methyl tert-butyl Ether	Spike	2400		ug/L	2400	D	50.0	YES	S3VEM
1,1-Dichloroethane	Spike	2500		ug/L	2500	D	50.0	YES	S3VEM
cis-1,2-Dichloroethene	Spike	2300		ug/L	2300	D	50.0	YES	S3VEM
2-Butanone	Spike	5000		ug/L	5000	D	50.0	YES	S3VEM
Bromochloromethane	Spike	2400		ug/L	2400	D	50.0	YES	S3VEM
Chloroform	Spike	2400		ug/L	2400	D	50.0	YES	S3VEM
1,1,1-Trichloroethane	Spike	2400		ug/L	2400	D	50.0	YES	S3VEM
Cyclohexane	Spike	2100		ug/L	2100	D	50.0	YES	S3VEM
Carbon tetrachloride	Spike	2300		ug/L	2300	D	50.0	YES	S3VEM
Benzene	Spike	2400		ug/L	2400	D	50.0	YES	S3VEM
1,2-Dichloroethane	Spike	2600		ug/L	2600	D	50.0	YES	S3VEM
Trichloroethene	Spike	2500		ug/L	2500	D	50.0	YES	S3VEM
Methylcyclohexane	Spike	2100		ug/L	2100	D	50.0	YES	S3VEM
1,2-Dichloropropane	Spike	2500		ug/L	2500	D	50.0	YES	S3VEM
Bromodichloromethane	Spike	2500		ug/L	2500	D	50.0	YES	S3VEM
cis-1,3-Dichloropropene	Spike	2300		ug/L	2300	D	50.0	YES	S3VEM
4-Methyl-2-pentanone	Spike	5500		ug/L	5500	D	50.0	YES	S3VEM
Toluene	Spike	2400		ug/L	2400	D	50.0	YES	S3VEM
trans-1,3-Dichloropropene	Spike	2400		ug/L	2400	D	50.0	YES	S3VEM
1,1,2-Trichloroethane	Spike	2600		ug/L	2600	D	50.0	YES	S3VEM
Tetrachloroethene	Spike	12000		ug/L	12000	ED	50.0	YES	S3VEM
2-Hexanone	Spike	5600		ug/L	5600	D	50.0	YES	S3VEM
Dibromochloromethane	Spike	2400		ug/L	2400	D	50.0	YES	S3VEM
1,2-Dibromoethane	Spike	2500		ug/L	2500	D	50.0	YES	S3VEM
Chlorobenzene	Spike	2300		ug/L	2300	D	50.0	YES	S3VEM
Ethylbenzene	Spike	2300		ug/L	2300	D	50.0	YES	S3VEM
o-Xylene	Spike	2400		ug/L	2400	D	50.0	YES	S3VEM
m,p-Xylene	Spike	2300		ug/L	2300	D	50.0	YES	S3VEM
Styrene	Spike	2400		ug/L	2400	D	50.0	YES	S3VEM
Bromoform	Spike	2500		ug/L	2500	D	50.0	YES	S3VEM
Isopropylbenzene	Spike	2500		ug/L	2500	D	50.0	YES	S3VEM
1,2,3-Trichloropropane	Spike	2700		ug/L	2700	D	50.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Spike	2600		ug/L	2600	D	50.0	YES	S3VEM
1,3-Dichlorobenzene	Spike	2300		ug/L	2300	D	50.0	YES	S3VEM
1,4-Dichlorobenzene	Spike	2300		ug/L	2300	D	50.0	YES	S3VEM
1,2-Dichlorobenzene	Spike	2400		ug/L	2400	D	50.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Spike	2600		ug/L	2600	D	50.0	YES	S3VEM
1,2,4-Trimethylbenzene	Spike	2400		ug/L	2400	D	50.0	YES	S3VEM
1,3,5-Trimethylbenzene	Spike	2400		ug/L	2400	D	50.0	YES	S3VEM

Sample Summary Report

Project Name: LARSON CLEANERS Project **GroupID: 49669/68HERH20D0011/E4585** **Lab Name: Chemtech Consulting Group**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Spike	2100		ug/L	2100	D	50.0	YES	S3VEM
1,2,3-Trichlorobenzene	Spike	2300		ug/L	2300	D	50.0	YES	S3VEM

Sample Summary Report

Project Name: LARSON CLEANERS Project **GroupID: 49669/68HERH20D0011/E4585** **Lab Name: Chemtech Consulting Group**

Sample Number: E4588	Method: Volatile Organics	Matrix: Water	MA Number:
Sample Location: MW-11	pH: 1.0	Sample Date: 09/14/2021	Sample Time: 13:32:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Vinyl chloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromomethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloroethane	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Acetone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Carbon disulfide	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S3VEM
Methyl Acetate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methylene chloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Butanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Bromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloroform	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Cyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Benzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Trichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methylcyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromodichloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Toluene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Tetrachloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Hexanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Dibromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Ethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
o-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
m,p-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Styrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromoform	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Isopropylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: LARSON CLEANERS Project **GroupID: 49669/68HERH20D0011/E4585** **Lab Name: Chemtech Consulting Group**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Total Alkanes	TIC		NV	ug/L		N	1.0	YES	NV
Propanoic acid, 2,2,3-trichloro-,	TIC	3.6	NV	ug/L	3.6	JN	1.0	YES	NV
1-Hexanol, 2-ethyl-	TIC	2.6	NV	ug/L	2.6	JN	1.0	YES	NV

Sample Summary Report

Project Name: LARSON CLEANERS Project **GroupID: 49669/68HERH20D0011/E4585** **Lab Name: Chemtech Consulting Group**

Sample Number: E4589	Method: Volatile Organics	Matrix: Water	MA Number:
Sample Location: MW-11	pH: 1.0	Sample Date: 09/14/2021	Sample Time: 13:36:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Vinyl chloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromomethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloroethane	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Acetone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Carbon disulfide	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S3VEM
Methyl Acetate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methylene chloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Butanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Bromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloroform	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Cyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Benzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Trichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methylcyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromodichloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Toluene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Tetrachloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Hexanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Dibromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Ethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
o-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
m,p-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Styrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromoform	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Isopropylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: LARSON CLEANERS Project **GroupID: 49669/68HERH20D0011/E4585** **Lab Name: Chemtech Consulting Group**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Total Alkanes	TIC		NV	ug/L		N	1.0	YES	NV
Propanoic acid, 2,2,3-trichloro-,	TIC	3.7	NV	ug/L	3.7	JN	1.0	YES	NV

Sample Summary Report

Project Name: LARSON CLEANERS Project **GroupID: 49669/68HERH20D0011/E4585** **Lab Name: Chemtech Consulting Group**

Sample Number: E4590	Method: Volatile Organics	Matrix: Water	MA Number:
Sample Location: MW-12	pH: 1.0	Sample Date: 09/14/2021	Sample Time: 13:52:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Vinyl chloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromomethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloroethane	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Acetone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Carbon disulfide	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S3VEM
Methyl Acetate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methylene chloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Butanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Bromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloroform	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Cyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Benzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Trichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methylcyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromodichloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Toluene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Tetrachloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Hexanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Dibromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Ethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
o-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
m,p-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Styrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromoform	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Isopropylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: LARSON CLEANERS Project **GroupID: 49669/68HERH20D0011/E4585** **Lab Name: Chemtech Consulting Group**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Total Alkanes	TIC		NV	ug/L		N	1.0	YES	NV
unknown-01	TIC	3.3	NV	ug/L	3.3	JB	1.0	YES	NV

Sample Summary Report

Project Name: LARSON CLEANERS Project **GroupID: 49669/68HERH20D0011/E4585** **Lab Name: Chemtech Consulting Group**

Sample Number: E4591	Method: Volatile Organics	Matrix: Water	MA Number:
Sample Location: MW-13	pH: 1.0	Sample Date: 09/14/2021	Sample Time: 13:18:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Vinyl chloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromomethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloroethane	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Acetone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Carbon disulfide	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S3VEM
Methyl Acetate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methylene chloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Butanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Bromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloroform	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Cyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Benzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Trichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methylcyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromodichloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Toluene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Tetrachloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Hexanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Dibromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Ethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
o-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
m,p-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Styrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromoform	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Isopropylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: LARSON CLEANERS Project **GroupID: 49669/68HERH20D0011/E4585** **Lab Name: Chemtech Consulting Group**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Total Alkanes	TIC		NV	ug/L		N	1.0	YES	NV
unknown-01	TIC	3.5	NV	ug/L	3.5	JB	1.0	YES	NV

Sample Summary Report

Project Name: LARSON CLEANERS Project **GroupID: 49669/68HERH20D0011/E4585** **Lab Name: Chemtech Consulting Group**

Sample Number: E4593	Method: Volatile Organics	Matrix: Water	MA Number:
Sample Location: BW-06	pH: 1.0	Sample Date: 09/14/2021	Sample Time: 13:41:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Vinyl chloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromomethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloroethane	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Acetone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Carbon disulfide	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S3VEM
Methyl Acetate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methylene chloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	15		ug/L	15		1.0	YES	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Butanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Bromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloroform	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Cyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Benzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Trichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methylcyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromodichloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Toluene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Tetrachloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Hexanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Dibromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Ethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
o-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
m,p-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Styrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromoform	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Isopropylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: LARSON CLEANERS Project **GroupID: 49669/68HERH20D0011/E4585** **Lab Name: Chemtech Consulting Group**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Total Alkanes	TIC		NV	ug/L		N	1.0	YES	NV
Propanoic acid, 2,2,3-trichloro-,	TIC	3.1	NV	ug/L	3.1	JN	1.0	YES	NV

Sample Summary Report

Project Name: LARSON CLEANERS Project **GroupID: 49669/68HERH20D0011/E4585** **Lab Name: Chemtech Consulting Group**

Sample Number: E4594	Method: Volatile Organics	Matrix: Water	MA Number:
Sample Location: TB-01	pH: 1.0	Sample Date: 09/14/2021	Sample Time: 13:20:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Vinyl chloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromomethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Acetone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Carbon disulfide	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methyl Acetate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methylene chloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Butanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Bromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloroform	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Cyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Benzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Trichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methylcyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromodichloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Toluene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Tetrachloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Hexanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Dibromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Ethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
o-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
m,p-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Styrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromoform	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Isopropylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: LARSON CLEANERS Project **GroupID: 49669/68HERH20D0011/E4585** **Lab Name: Chemtech Consulting Group**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
unknown-01	TIC	5.4	NV	ug/L	5.4	JB	1.0	YES	NV
Total Alkanes	TIC		NV	ug/L		N	1.0	YES	NV

Sample Summary Report

Project Name: LARSON CLEANERS Project **GroupID: 49669/68HERH20D0011/E4585** **Lab Name: Chemtech Consulting Group**

Sample Number: VBLK255	Method: Volatile Organics	Matrix: Water	MA Number:
Sample Location:	pH: .0	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Vinyl chloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromomethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Acetone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Carbon disulfide	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methyl Acetate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methylene chloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Butanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Bromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloroform	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Cyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Benzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Trichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methylcyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromodichloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Toluene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Tetrachloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Hexanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Dibromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Ethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
o-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
m,p-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Styrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromoform	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Isopropylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: LARSON CLEANERS Project **GroupID: 49669/68HERH20D0011/E4585** **Lab Name: Chemtech Consulting Group**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Total Alkanes	TIC		NV	ug/L		N	1.0	YES	NV
unknown-01	TIC	3.4	NV	ug/L	3.4	J	1.0	YES	NV

Sample Summary Report

Project Name: LARSON CLEANERS Project **GroupID: 49669/68HERH20D0011/E4585** **Lab Name: Chemtech Consulting Group**

Sample Number: VBLK257	Method: Volatile Organics	Matrix: Water	MA Number:
Sample Location:	pH: .0	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Vinyl chloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromomethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Acetone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Carbon disulfide	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S3VEM
Methyl Acetate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methylene chloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Butanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Bromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloroform	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Cyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Benzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Trichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methylcyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromodichloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Toluene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Tetrachloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Hexanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Dibromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Ethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
o-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
m,p-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Styrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromoform	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Isopropylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: LARSON CLEANERS Project **GroupID: 49669/68HERH20D0011/E4585** **Lab Name: Chemtech Consulting Group**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Total Alkanes	TIC		NV	ug/L		N	1.0	YES	NV
Propanoic acid, 2,2,3-trichloro-,	TIC	3.9	NV	ug/L	3.9	JN	1.0	YES	NV

Sample Summary Report

Project Name: LARSON CLEANERS Project **GroupID: 49669/68HERH20D0011/E4585** **Lab Name: Chemtech Consulting Group**

Sample Number: VBLK258	Method: Volatile Organics	Matrix: Water	MA Number:
Sample Location:	pH: .0	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Vinyl chloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromomethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloroethane	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Acetone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Carbon disulfide	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S3VEM
Methyl Acetate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methylene chloride	Target	2.9	J	ug/L	2.9	J	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Butanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Bromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloroform	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Cyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Benzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Trichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methylcyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromodichloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Toluene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Tetrachloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Hexanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Dibromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Ethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
o-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
m,p-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Styrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromoform	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Isopropylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: LARSON CLEANERS Project **GroupID: 49669/68HERH20D0011/E4585** **Lab Name: Chemtech Consulting Group**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
unknown-01	TIC	4.8	NV	ug/L	4.8	J	1.0	YES	NV
Total Alkanes	TIC		NV	ug/L		N	1.0	YES	NV

Sample Summary Report

Project Name: LARSON CLEANERS Project **GroupID: 49669/68HERH20D0011/E4585** **Lab Name: Chemtech Consulting Group**

Sample Number: VBLK259	Method: Volatile Organics	Matrix: Water	MA Number:
Sample Location:	pH: .0	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Vinyl chloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromomethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Acetone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Carbon disulfide	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methyl Acetate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methylene chloride	Target	1.4	J	ug/L	1.4	J	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Butanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Bromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloroform	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Cyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Benzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Trichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methylcyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromodichloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Toluene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Tetrachloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Hexanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Dibromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Ethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
o-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
m,p-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Styrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromoform	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Isopropylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: LARSON CLEANERS Project **GroupID: 49669/68HERH20D0011/E4585** **Lab Name: Chemtech Consulting Group**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
unknown-01	TIC	3.3	NV	ug/L	3.3	J	1.0	YES	NV
Total Alkanes	TIC		NV	ug/L		N	1.0	YES	NV

Sample Summary Report

Project Name: LARSON CLEANERS Project **GroupID: 49669/68HERH20D0011/E4585** **Lab Name: Chemtech Consulting Group**

Sample Number: VHBLK001	Method: Volatile Organics	Matrix: Water	MA Number:
Sample Location:	pH: 1.0	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Vinyl chloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromomethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Acetone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Carbon disulfide	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methyl Acetate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methylene chloride	Target	5.0	U	ug/L	1.6	JB	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Butanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Bromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloroform	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Cyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Benzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Trichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methylcyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromodichloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Toluene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Tetrachloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Hexanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Dibromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Ethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
o-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
m,p-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Styrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromoform	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Isopropylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: LARSON CLEANERS Project **GroupID: 49669/68HERH20D0011/E4585** **Lab Name: Chemtech Consulting Group**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
unknown-01	TIC	4.0	NV	ug/L	4.0	JB	1.0	YES	NV
Total Alkanes	TIC		NV	ug/L		N	1.0	YES	NV

Sample Summary Report

Project Name: LARSON CLEANERS Project	GroupID: 49669/68HERH20D0011/E4585	Lab Name: Chemtech Consulting Group

Case No: 49669 SDG No: E4585
Site Name: Larson Cleaners (WI) Laboratory: CHM

Below is a summary of the out-of-control audits and the possible effects on the data for this case:

Nine (9) samples labeled E4585 – E4591, E4593 and E4594, were shipped to Chemtech Consulting (CHM) located in Mountainside, NJ. The samples were collected on 09/14/2021 and received on 09/16//2021 intact and properly cooled.

Samples E4587 was designated by the samplers to be used for laboratory QC, i.e., MS/MSD analyses.

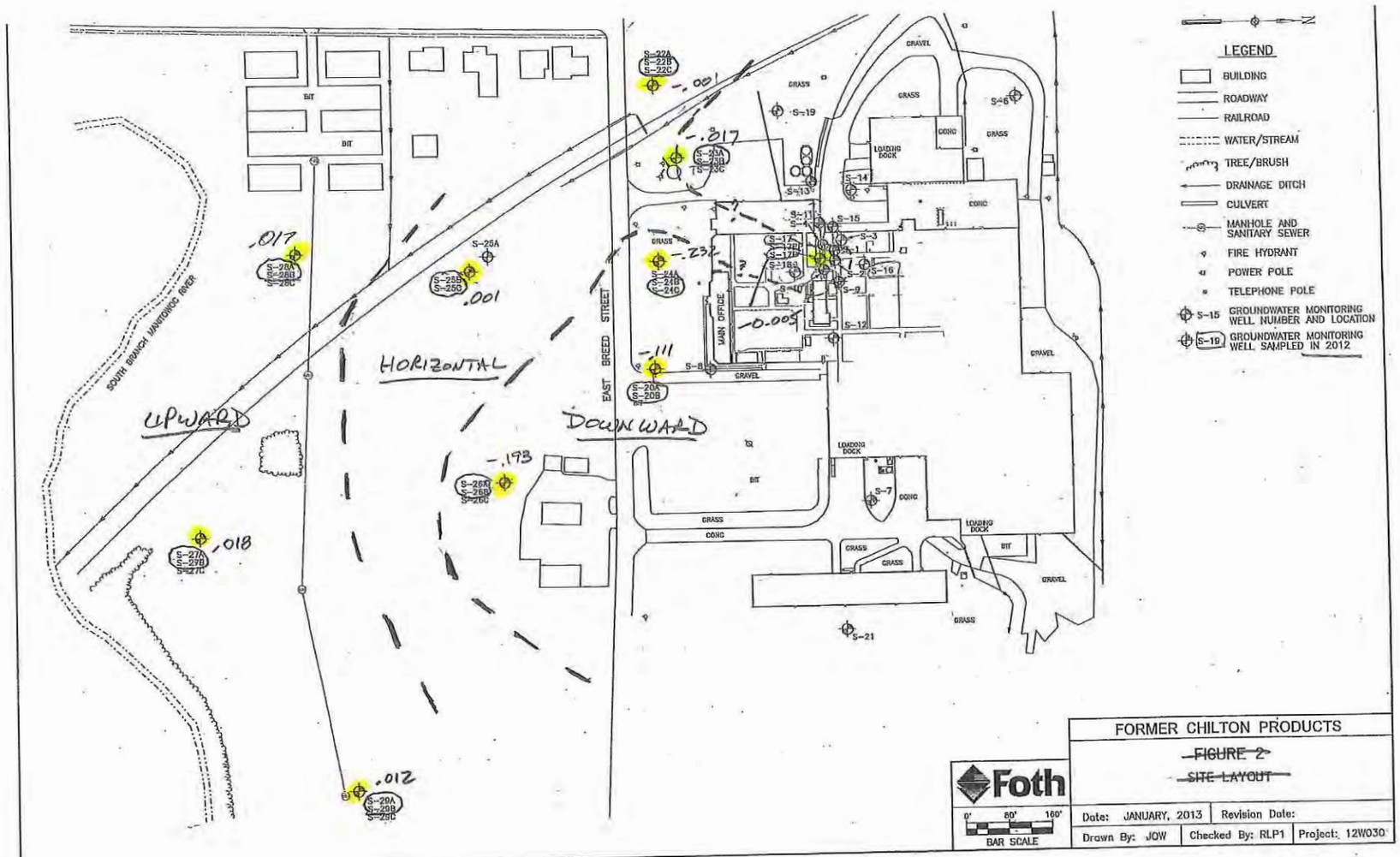
Sample E4594 was identified as a trip blank.
No sample was identified as a flied duplicate on the COC.

The sample results have been reviewed for compliance with the QAPP worksheets and all non-compliance are described in Section 17. – QAPP Compliance

'Only outliers and non-compliances are discussed in the narrative'.

APPENDIX C

CHILTON METAL - SELECT TABLES & FIGURES FROM WDNR *DRAFT TECHNICAL MEMO* & FOTH *2020 GROUNDWATER MONITORING UPDATE REPORT*



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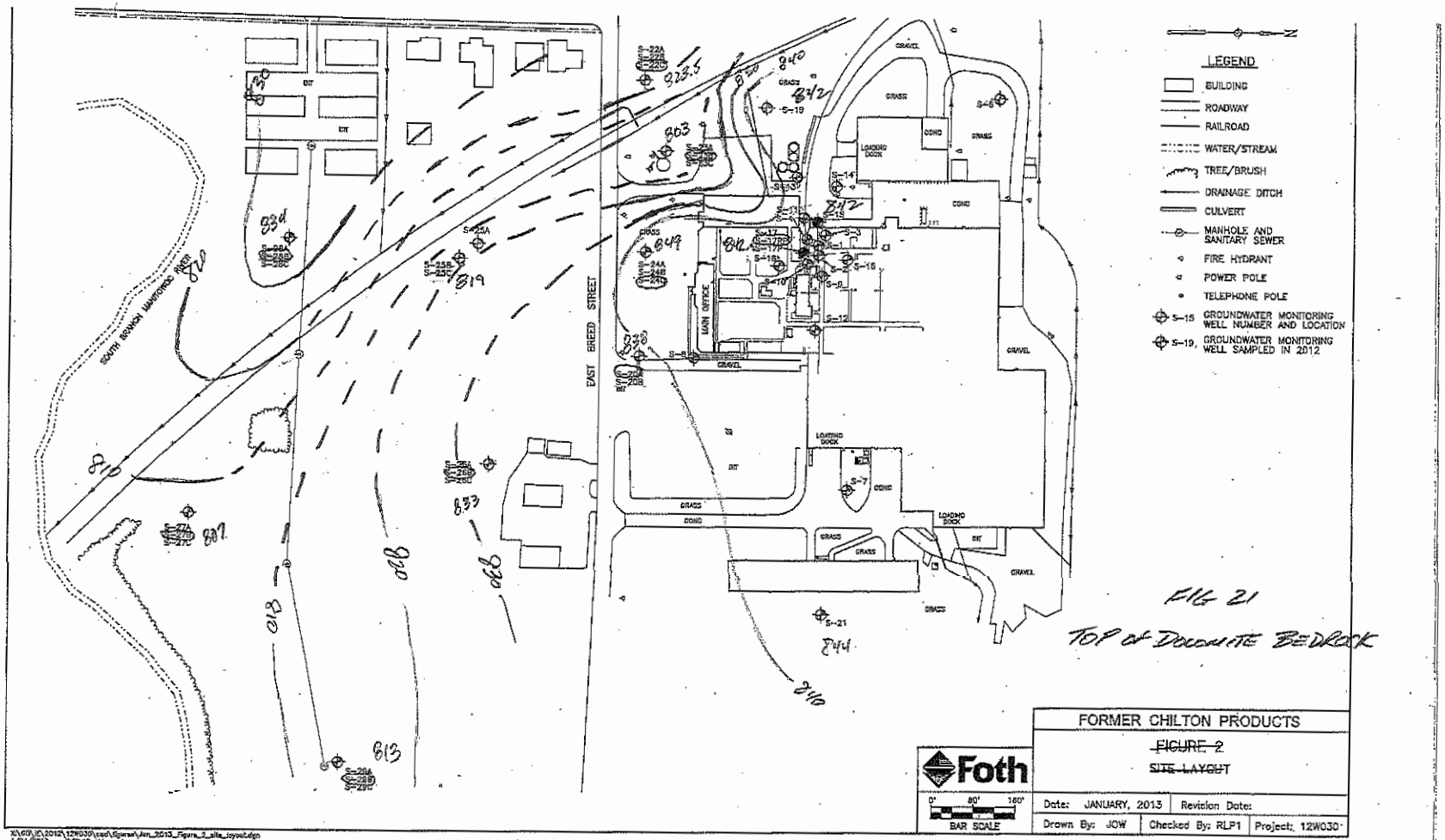
1/24/2013 7:52:12 AM jow

FIG. 18: SM to Dolomite Bedrock Vertical Gradient Distribution



X:\GD\IC\2012\12W030\cad\figures\Jan_2013_Figure_2_site_layout.dgn
1/24/2013 7:52:12 AM jow

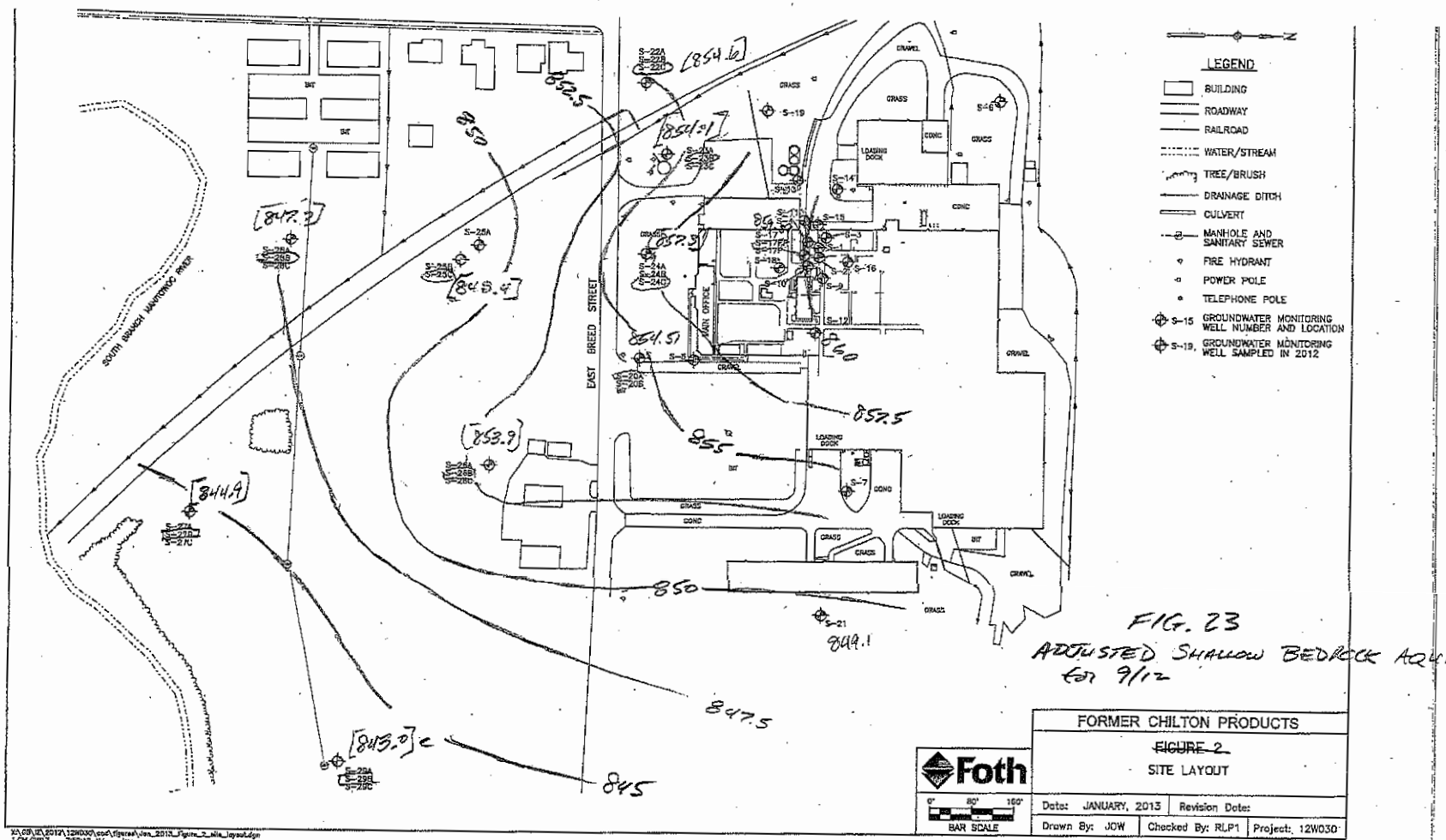
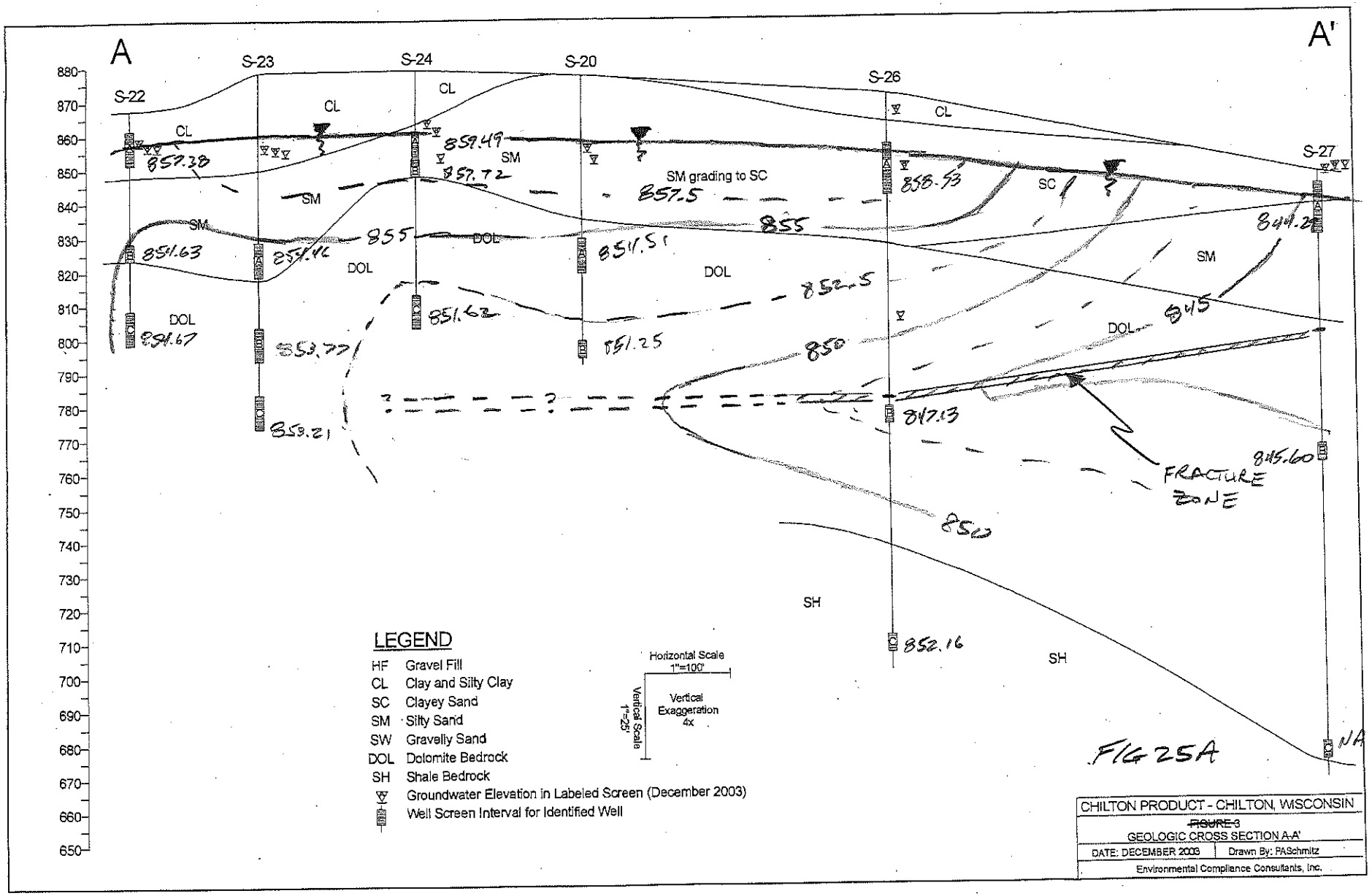


FIG. 23
ADJUSTED SHALLOW BEDROCK AQUIFER
for 9/12

FORMER CHILTON PRODUCTS	
~~FIGURE 2~~ SITE LAYOUT	
Foth	Date: JANUARY, 2013 | Revision Date:
0' 80' 160' BAR SCALE	Drawn By: JOW | Checked By: RLP1 | Project: 12W030

[853.9] value adjusted for vertical gradient
~ adjusted to within 5' of top of bedrock ~
Values without brackets required no adjustments
~ screened interval ~ 5' of top of bedrock ~



FLOW NET
~ using 9/12 levels ~
2 flow arrows not provided, but could be easily added

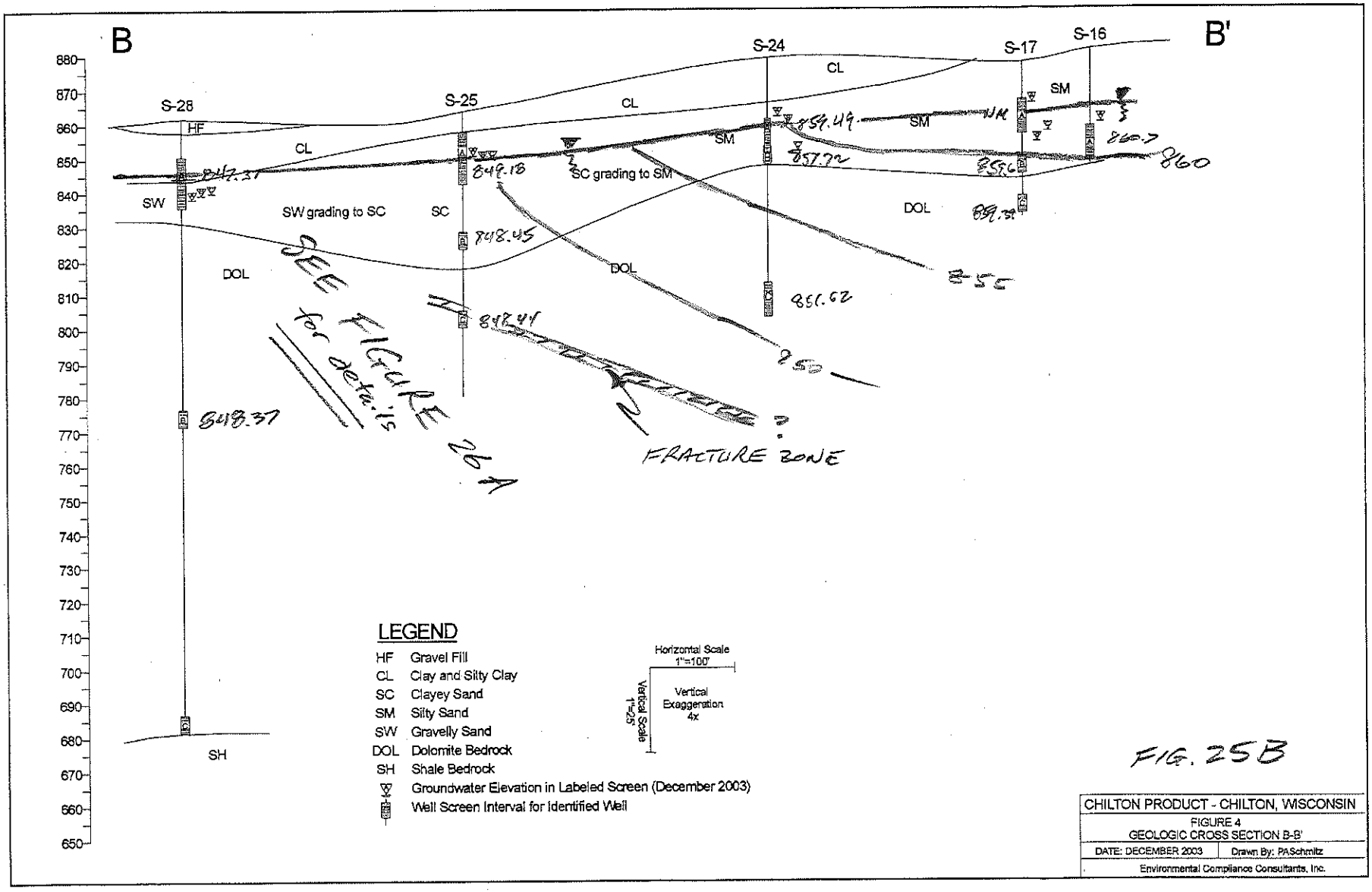


FIG. 25B

CHILTON PRODUCT - CHILTON, WISCONSIN	
FIGURE 4 GEOLOGIC CROSS SECTION B-B'	
DATE: DECEMBER 2003	Drawn By: PASchmitz
Environmental Compliance Consultants, Inc.	

FLOW NET
- using 8/12 levels
- flow arrows not provided, but easily added

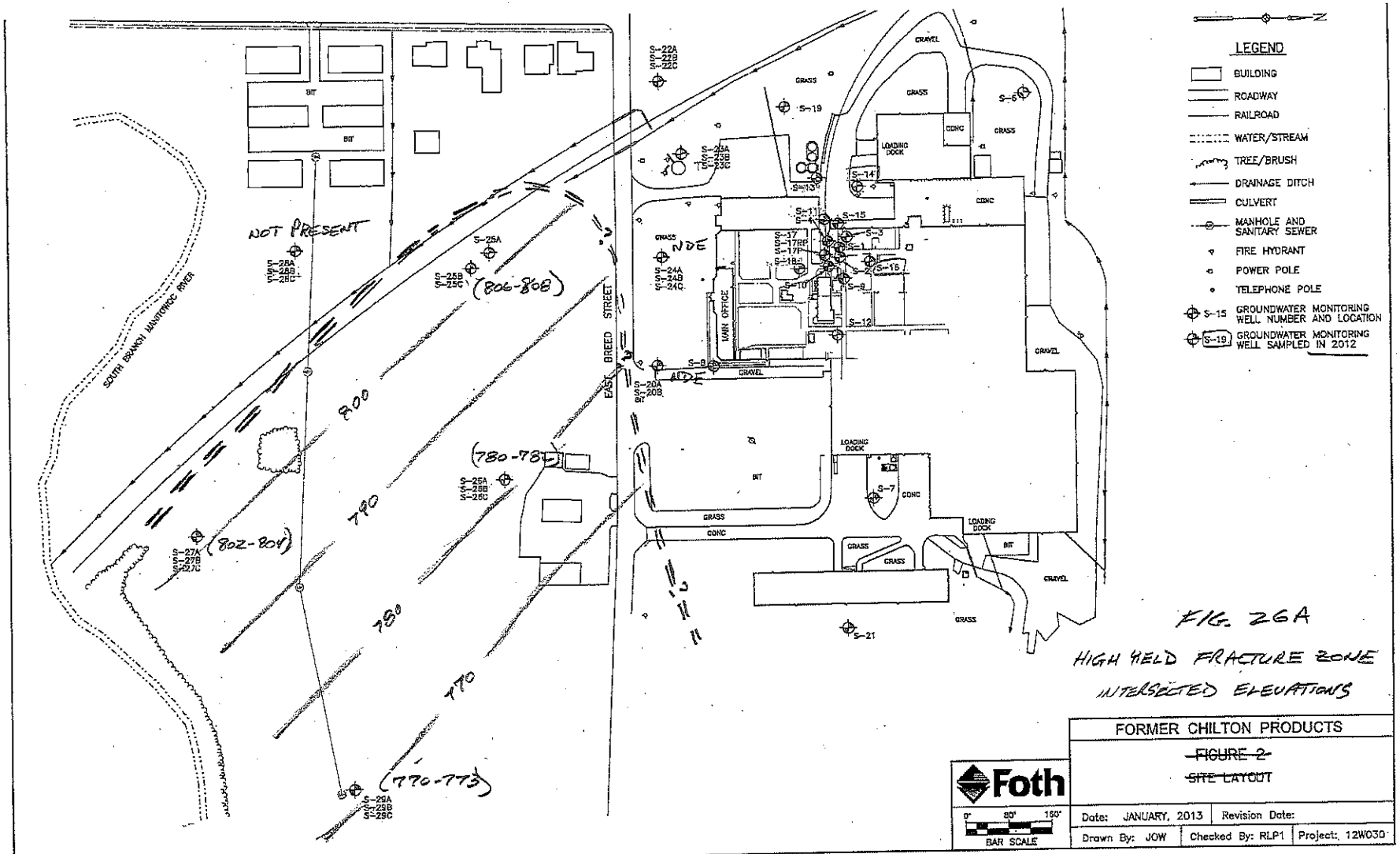


FIG. 2GA
HIGH HELD FRACTURE ZONE
INTERSECTED ELEVATIONS

Foth	FORMER CHILTON PRODUCTS
	~~FIGURE 2~~
	~~SITE LAYOUT~~
0' 80' 160' BAR SCALE	Date: JANUARY, 2013 | Revision Date:
	Drawn By: JOW | Checked By: RLP1 | Project: 12W030

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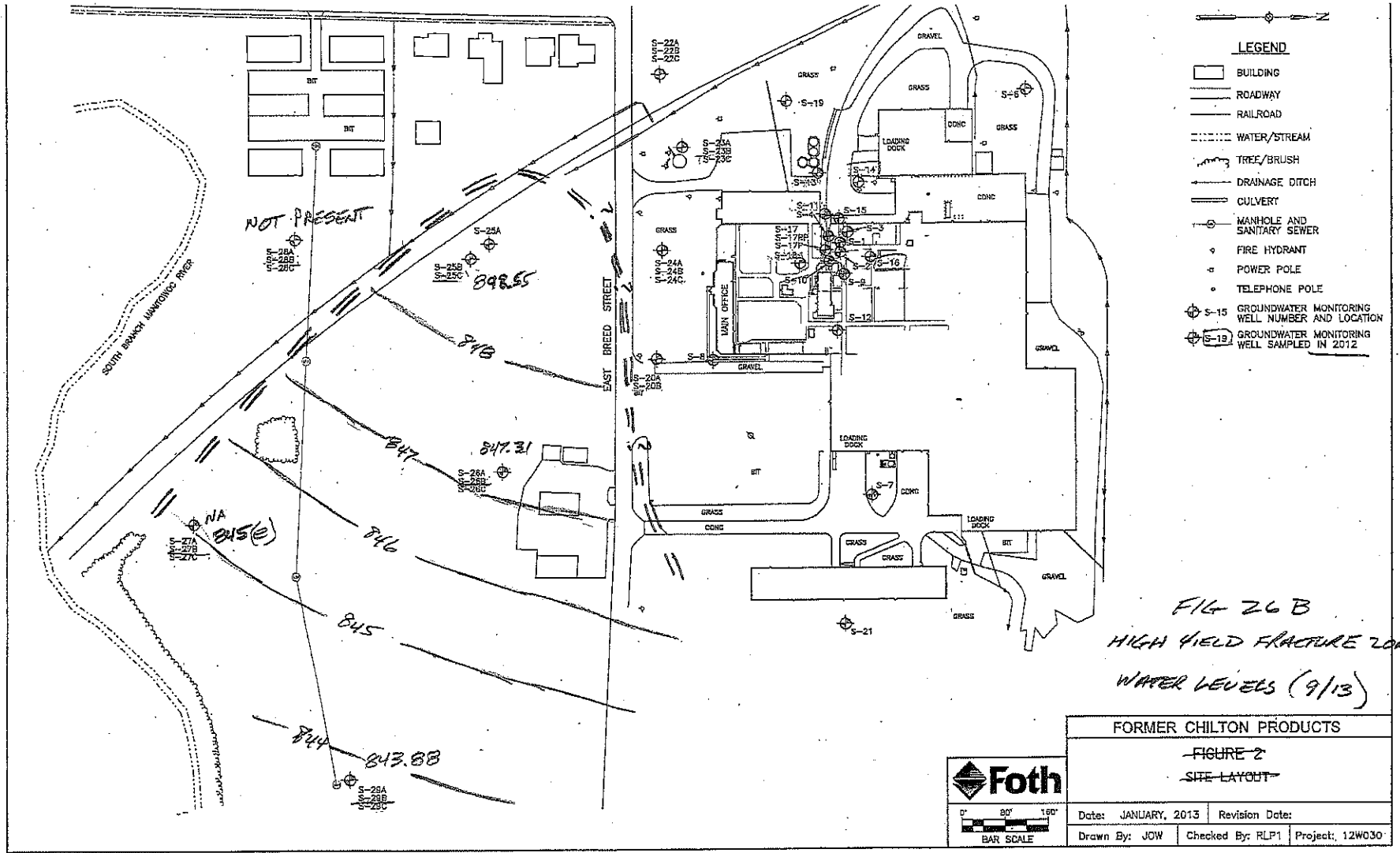

FIG 2 6 B
HIGH YIELD FRACTURE ZONE
WATER LEVELS (9/13)

FORMER CHILTON PRODUCTS		
~~FIGURE 2~~		
~~SITE LAYOUT~~		
Date: JANUARY, 2013	Revision Date:	
Drawn By: JOW	Checked By: RLP1	Project: 12W030

Foth
0' 80' 160'
BAR SCALE

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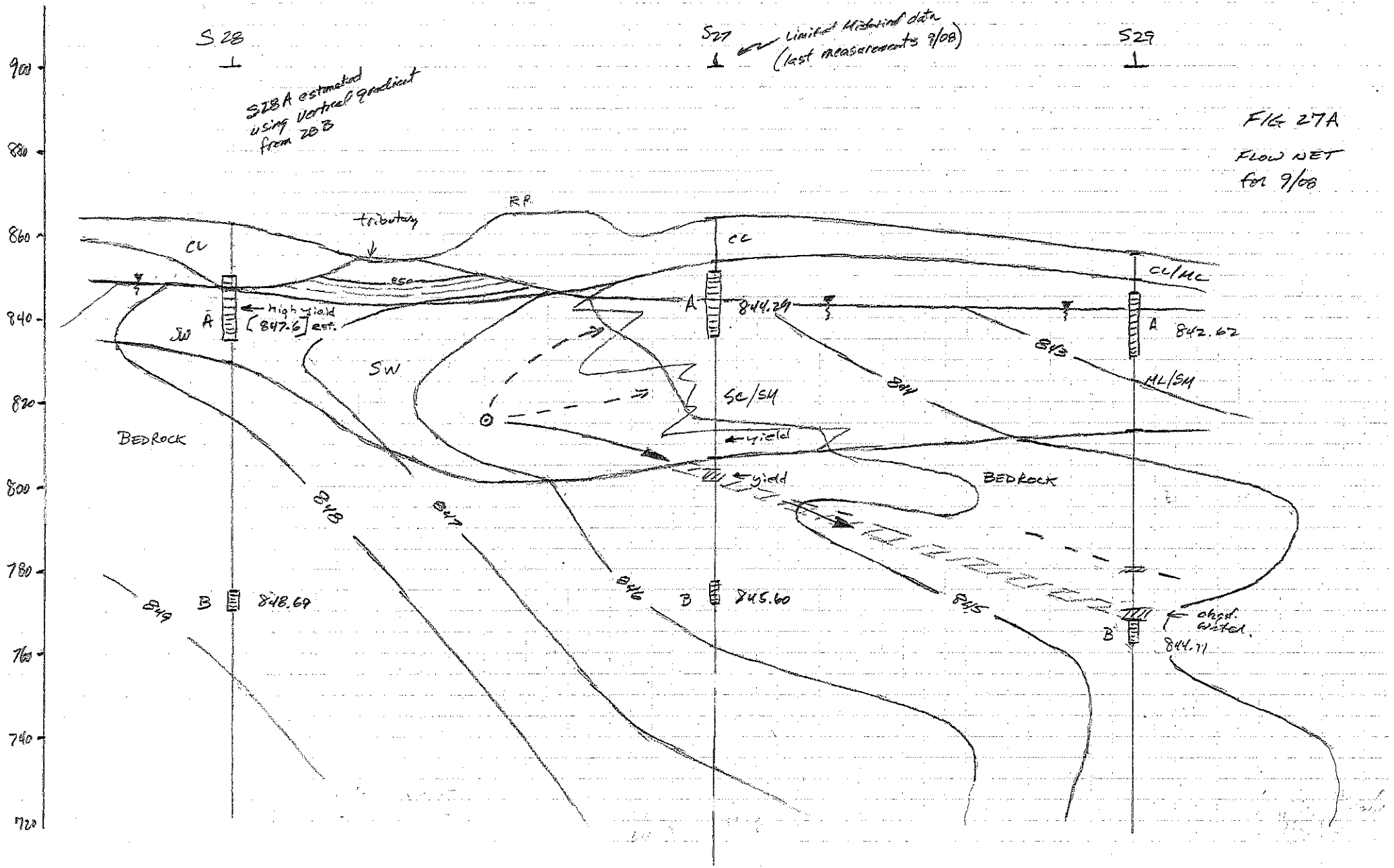
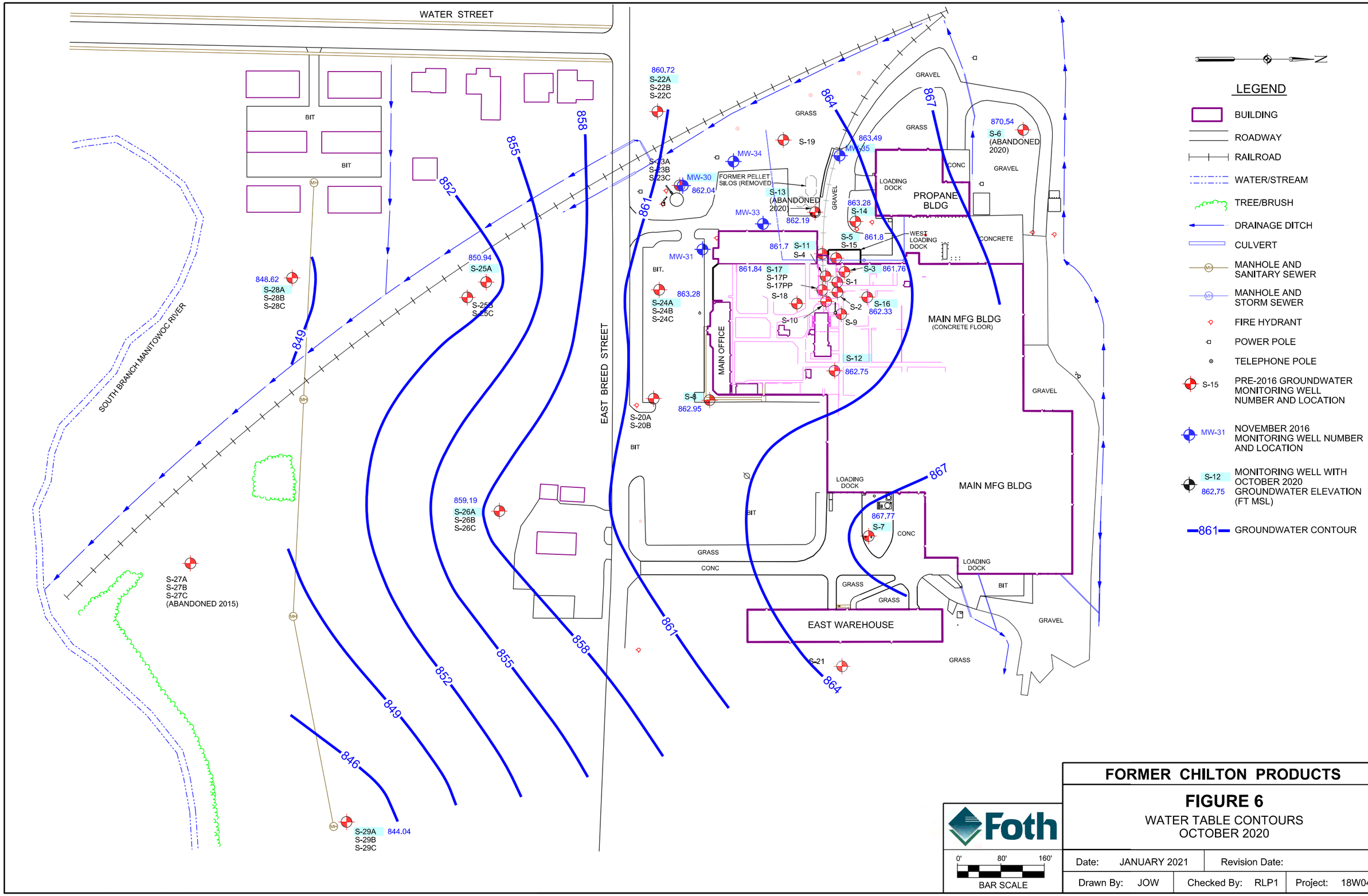
1/24/2013 7:52:12 AM jow

note: wtr. levels are for screened intervals in bedrock near the intersection w/high yield zone; exception S27B At S27B screened interval ~30 ft deeper than fracture zone, therefore estimate (e) was calculated using vertical gradient


S28
S27
S29
limited historical data
(last measurements 9/08)
S28A estimated
using vertical gradient
from 28B
FIG 27A
FLOW NET
for 9/08
900
880
860
840
820
800
780
760
740
720
R.P.
tributary
CL
CC
CL/ML
A
high yield
[847.6] est.
844.29
A 842.62
SW
SW
SC/SM
ML/SM
yield
yield
BEDROCK
BEDROCK
848
847
846
845
844
843
B
848.69
B
845.60
B
chem. tested.
844.71



Foth

0' 80' 160'

BAR SCALE

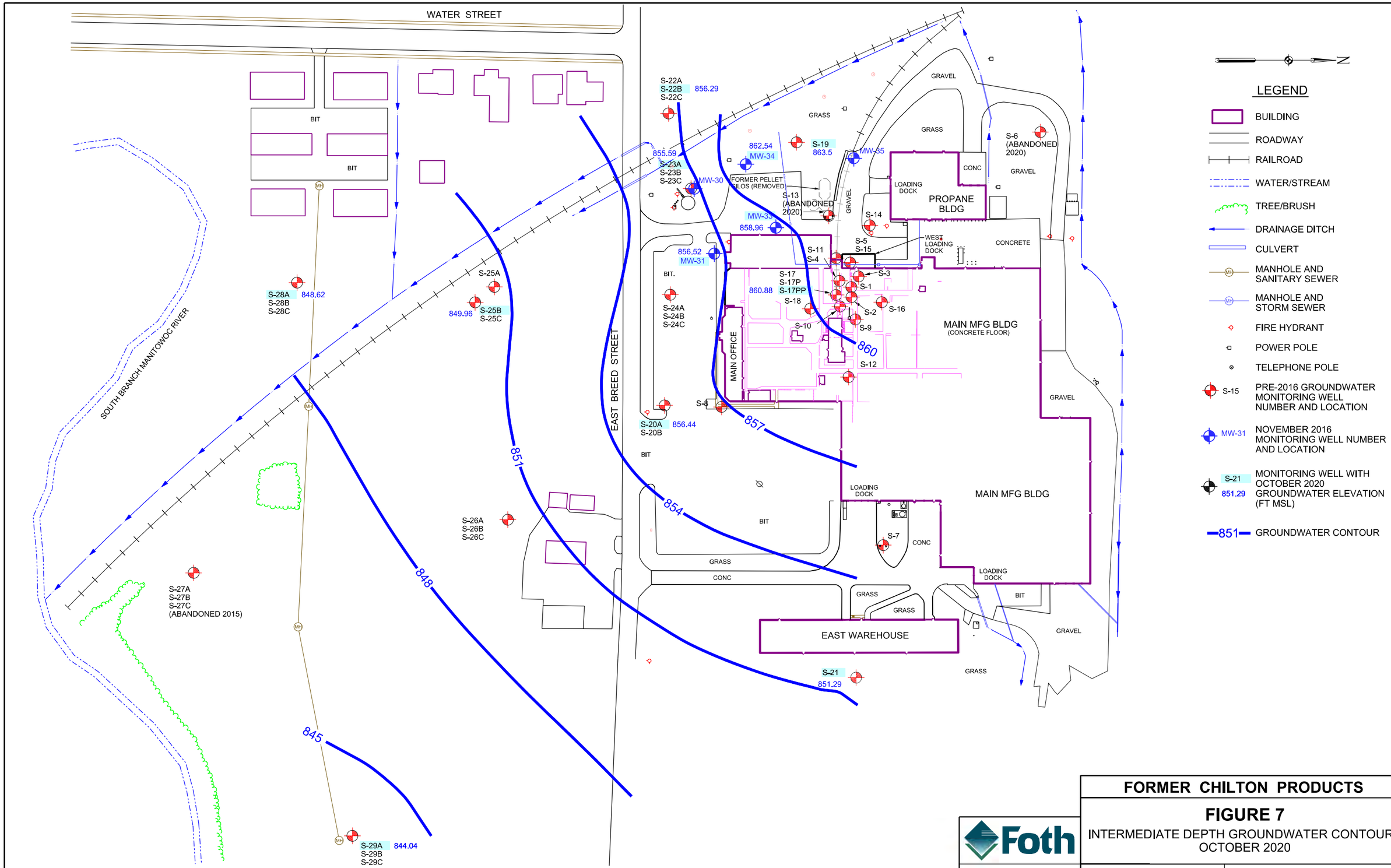
FORMER CHILTON PRODUCTS

FIGURE 6

WATER TABLE CONTOURS
OCTOBER 2020

Date: JANUARY 2021	Revision Date:		
Drawn By: JOW	Checked By: RLP1	Project: 18W040	

pw:\\PW-APS1.foth.com:PW_IE\Documents\Clients\Worthington Cylinders\0018W040.00\CAD\Figures\2020 GWMR\Figure 6 - October 2020 Water Table Contours.dgn
1/6/2021 8:24:25 AM jow



FORMER CHILTON PRODUCTS

FIGURE 7

INTERMEDIATE DEPTH GROUNDWATER CONTOURS
OCTOBER 2020

Foth

Date: JANUARY 2021	Revision Date:		
Drawn By: JOW	Checked By: RLP1	Project: 18W040	

pw:\\PW-APS1.foth.com:PW_IE\Documents\Clients\Worthington Cylinders\0018W040.00\CAD\Figures\2020 GWMR\Figure 7 - October 2020 Int Depth Water Table Contours.dgn
1/6/2021 8:24:27 AM jow

WATER STREET

BIT

BIT

SOUTH BRANCH MANITOWOC RIVER

S-28A
S-28B 849.8
S-28C

S-25A

S-25B
S-25C
849.96

S-22A
S-22B
S-22C
856.28

GRASS

S-19

MW-34

MW-35

S-23A
S-23B
S-23C
855.24

MW-30

FORMER PELLET SILOS (REMOVED)

S-13 (ABANDONED 2020)

GRAVEL

GRAVEL

S-6 (ABANDONED 2020)

LOADING DOCK

CONC

PROPANE BLDG

MW-33

S-14

S-5
S-15

WEST LOADING DOCK

CONCRETE

MW-31

S-11
S-4

BIT.

S-17
S-17P
S-17PP
860.88

S-3

S-1

S-18

S-16

S-2

S-10

S-9

MAIN MFG BLDG
(CONCRETE FLOOR)

S-24A
S-24B
S-24C
853.39

MAIN OFFICE

S-12

EAST BREED STREET

853.01

S-8

S-20A
S-20B

GRAVEL

858

855

849

852

BIT

LOADING DOCK

MAIN MFG BLDG

S-26A
848.7 S-26B
S-26C

BIT

S-7

CONC

GRASS

CONC

LOADING DOCK

GRASS

GRASS

BIT

GRAVEL

EAST WAREHOUSE

S-21
851.29

GRASS

S-27A
S-27B
S-27C
(ABANDONED 2015)

846

S-29A
S-29B 845.24
S-29C

LEGEND

- BUILDING
- ROADWAY
- RAILROAD
- WATER/STREAM
- TREE/BRUSH
- DRAINAGE DITCH
- CULVERT
- MANHOLE AND SANITARY SEWER
- MANHOLE AND STORM SEWER
- FIRE HYDRANT
- POWER POLE
- TELEPHONE POLE
- S-15 — PRE-2016 GROUNDWATER MONITORING WELL NUMBER AND LOCATION
- MW-31 — NOVEMBER 2016 MONITORING WELL NUMBER AND LOCATION
- S-21 / 851.29 — MONITORING WELL WITH OCTOBER 2020 GROUNDWATER ELEVATION (FT MSL)
- 852 — GROUNDWATER CONTOUR

Foth

0' 80' 160'

BAR SCALE

FORMER CHILTON PRODUCTS

FIGURE 8

BEDROCK GROUNDWATER CONTOURS
OCTOBER 2020

Date: JANUARY 2021	Revision Date:		
Drawn By: JOW	Checked By: RLP1	Project: 18W040	

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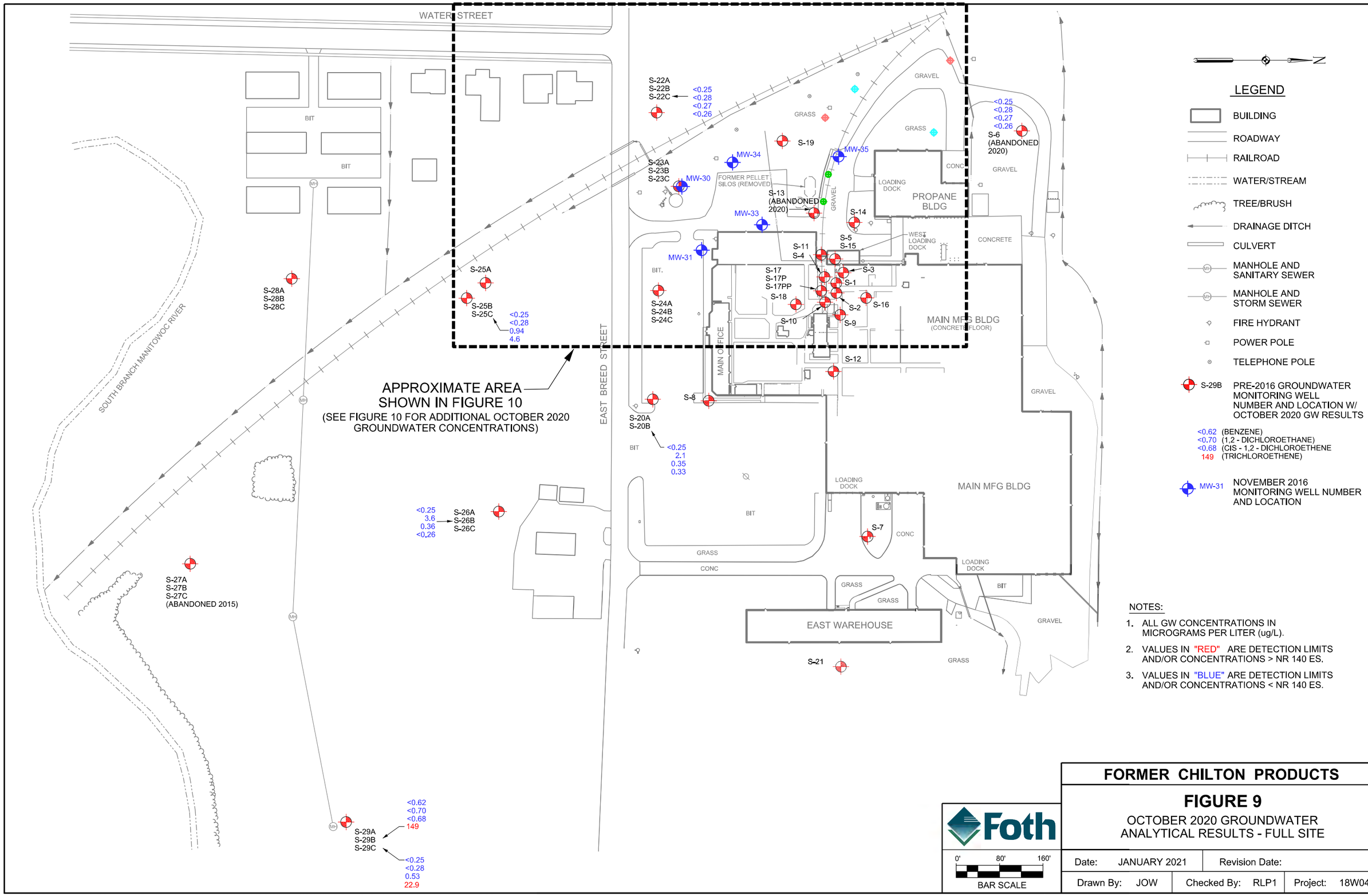
1/6/2021 8:24:29 AM jow



LEGEND

- BUILDING
- ROADWAY
- RAILROAD
- WATER/STREAM
- TREE/BRUSH
- DRAINAGE DITCH
- CULVERT
- MANHOLE AND SANITARY SEWER
- MANHOLE AND STORM SEWER
- FIRE HYDRANT
- POWER POLE
- TELEPHONE POLE
- S-29B — PRE-2016 GROUNDWATER MONITORING WELL NUMBER AND LOCATION W/ OCTOBER 2020 GW RESULTS

<0.62 (BENZENE)
<0.70 (1,2 - DICHLOROETHANE)
<0.68 (CIS - 1,2 - DICHLOROETHENE
149 (TRICHLOROETHENE)

MW-31 — NOVEMBER 2016 MONITORING WELL NUMBER AND LOCATION

NOTES:

1. ALL GW CONCENTRATIONS IN MICROGRAMS PER LITER (ug/L).
2. VALUES IN "RED" ARE DETECTION LIMITS AND/OR CONCENTRATIONS > NR 140 ES.
3. VALUES IN "BLUE" ARE DETECTION LIMITS AND/OR CONCENTRATIONS < NR 140 ES.

Foth

0' 80' 160'
BAR SCALE

FORMER CHILTON PRODUCTS

FIGURE 9

OCTOBER 2020 GROUNDWATER ANALYTICAL RESULTS - FULL SITE

Date: JANUARY 2021	Revision Date:		
Drawn By: JOW	Checked By: RLP1	Project: 18W040	

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1/6/2021 8:24:32 AM jow

LEGEND

- BUILDING
- ROADWAY
- RAILROAD
- WATER/STREAM
- DRAINAGE DITCH
- CULVERT
- MANHOLE AND STORM SEWER
- FIRE HYDRANT
- POWER POLE
- TELEPHONE POLE
- S-23C — PRE-2016 GROUNDWATER MONITORING WELL NUMBER AND LOCATION W/OCTOBER 2020 GW RESULTS

  <0.25 (BENZENE)
  <0.28 (1,2 - DICHLOROETHANE)
  0.76 (CIS - 1,2 - DICHLOROETHENE
  9.4 (TRICHLOROETHENE)

- MW-33 — NOVEMBER 2016 SOIL BORING/MONITORING WELL LOCATION W/OCTOBER 2020 GW RESULTS

  127 (BENZENE)
  11.1 (1,2 - DICHLOROETHANE)
  132 (CIS - 1,2 - DICHLOROETHENE
  276 (TRICHLOROETHENE)

- B-32 — NOVEMBER 2016 SOIL BORING LOCATION

NOTES:

1. ALL GW CONCENTRATIONS IN MICROGRAMS PER LITER (ug/L).
2. VALUES IN "RED" ARE DETECTION LIMITS AND/OR CONCENTRATIONS > NR 140 ES.
3. VALUES IN "BLUE" ARE DETECTION LIMITS AND/OR CONCENTRATIONS < NR 140 ES.

N

S-22A
S-22B
S-22C
<0.25
<0.28
<0.27
<0.26

GRASS

GRAVEL

GRASS

S-19
<0.49
<0.56
5.4
127

<0.25
<0.28
<0.27
0.63
MW-34

MW-35
<0.99
<1.1
16.3
285

CONCRETE

<0.25
<0.28
0.29
0.50
S-23A
S-23B
S-23C

<0.25
<0.28
0.76
9.4

MW-30

WATER TOWER

FORMER PELLET SILOS (REMOVED)

STM

LOADING DOCK

PROPANE BLDG

1,320
15.6
169
11.8
S-13
(ABANDONED
2020)

127
11.1
132
276
MW-33

B-42

GRAVEL

0.29
<0.28
8.0
52.1
S-14

B-32

B-36

B-39

CONCRETE

B-38

B-37

B-40

23,500
<28.0
2,770
20,400
S-11

MW-31
11,000
127
644
<31.9

MVH ROOM

WEST LOADING DOCK

S-5
S-15

TM

B-41

USED OIL ASTS

AST'S CONTAINMENT

S-4

S-1

S-2

S-3

MAIN MFG BLDG

BIT.

4,070
<28.0
53.4
<25.5

S-17
S-17P
S-17PP

0.46
<0.28
0.45
<0.26

S-18

S-10

S-16

<0.25
<0.28
<0.27
11.2

S-9

S-25A

S-25B
S-25C

<0.25
<0.28
0.94
4.6

S-24A
S-24B
S-24C

7470
88.1
199
<25.5

EAST BREED STREET

MAIN OFFICE

Foth

0' 30' 60'
BAR SCALE

FORMER CHILTON PRODUCTS

FIGURE 10

OCTOBER 2020 GW
ANALYTICAL RESULTS - WEST PORTION

Date: JANUARY 2021	Revision Date:		
Drawn By: JOW	Checked By: RLP1	Project: 18W040	

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1/6/2021 8:24:34 AM jow

APPENDIX D

STANTEC 2020 PHASE II *HISTORIC EDGE OF THE MANITOWOC RIVER* FIGURE

Figure No.
3
Title
Historic Edge of the Manitowoc River

Client/Project
Former Mirro Plant 20
44 Walnut St
Chilton, Wisconsin

0 50 100 Feet

Project: 193706343
Prepared by HLB on 4/14/2020

N

Legend

Manitowoc River

- 1898 Sanborn(R) Map
- 1938 Orthophotograph

Notes

1. Coordinate System: NAD 1983 StatePlane Wisconsin South FIPS 4803 Feet
2. The edge of the Manitowoc River is digitized based on the Sanborn (R) Fire Insurance Map published in 1898 and an orthophotograph dated 1938. GBoth the Sanborn Map and the orthophotograph were provided by Calumet County.

Stantec

APPENDIX E

LARSON CLEANER AND CHILTON METAL VERTICAL GRADIENTS

Appendix E: Off-Site Vertical Gradients
Chilton Metal Products Larson Cleaners
Chilton, Wisconsin

Well ID		Measurement Date	Top of Casing Elevation (ft-amsl)	Water Level Measurement (ft btoc)	Ground-water Elevation (ft-amsl)	Screen Length (ft)	Top of Well Screen Elevation (ft-amsl)	Bottom of Well Screen Elevation (ft-amsl)	Mid-Point of Well Screen Elevation (ft-amsl)	Vertical Gradient Calculation Value (ft-amsl)	Elevation Difference (ft)	Vertical Gradient (ft/ft)/Direction	
Former Chilton Metal Products													
CMS-20 Well Nest	CMS-20A	Oct-2020	880.93	24.49	856.44	15.00	829.40	814.40	821.90	821.9	-3.43	-0.135	Downward
	CMS-20B	Oct-2020	880.62	27.61	853.01	5.00	799.00	794.00	796.50	796.5			
CMS-24 Well Nest	CMS-24A	Oct-2020	879.21	15.93	863.28	10.00	858.70	848.70	853.70	853.7	-2.60	-0.441	Downward
	CMS-24B	Oct-2020	879.26	18.58	860.68	5.00	850.30	845.30	847.80	847.8			
CMS-26 Well Nest	CMS-26A	Oct-2020	873.58	14.39	859.19	15.00	855.60	840.60	848.10	848.1	-10.49	-0.145	Downward
	CMS-26B	Oct-2020	873.09	24.39	848.70	5.00	778.10	773.10	775.60	775.6			
CMS-27 Well Nest	CMS-27A	Sep-2008	849.88	5.59	844.29	15.00	843.70	828.70	836.20	836.2	1.31	0.018	Upward
	CMS-27B	Sep-2008	849.68	4.08	845.60	5.00	766.30	761.30	763.80	763.8			
CMS-29 Well Nest	CMS-29A	Oct-2020	855.00	10.96	844.04	10.00	845.50	835.50	840.50	839.8	1.20	0.016	Upward
	CMS-29B	Oct-2020	854.86	9.62	845.24	5.00	767.90	762.90	765.40	765.4			
Larson Cleaners													
LCMW-4		May-2008	853.70	7.25	846.45	10.00	845.70	835.70	840.70	840.7	-0.06	-0.004	Downward
LCPZ-1		May-2008	853.56	7.17	846.39	5.00	828.56	823.56	826.06	826.06			
LCMW-10		May-2008	853.53	7.83	845.70	10.00	845.53	835.53	840.53	840.5	-7.28	-0.298	Downward
LCPZ-4		May-2008	853.63	15.21	838.42	5.00	818.63	813.63	816.13	816.13			

Notes:
ft - feet
amsl - above mean sea level
btoc - below top of casing
CMS - Chilton Metal Products Monitoring Well
LC - Larson Cleaners Monitoring Well/Piezometer
PZ - piezometer

APPENDIX F

LABORATORY ANALYTICAL REPORTS (2021)

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

Laboratory Job ID: 500-202086-1
Client Project/Site: Former Mirro 20 - Chilton 1690019558
Revision: 1

For:
Ramboll US Corporation
234 W. Florida Street
Fifth Floor
Milwaukee, Wisconsin 53204

Attn: Duncan Glasford

Sandra Fredrick

Authorized for release by:
8/9/2021 9:04:56 AM

Sandie Fredrick, Project Manager II
(920)261-1660
sandra.fredrick@eurofinset.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.eurofinsus.com/Env

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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Job ID: 500-202086-1

Laboratory: Eurofins TestAmerica, Chicago

Narrative

Job Narrative
500-202086-1

Comments
No additional comments.

Receipt
The samples were received on 7/9/2021 9:30 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 2.1º C and 2.2º C.

Receipt Exceptions
Client wanted additional analysis reported together.

GC/MS VOA
Method 8260B: The laboratory control sample (LCS) for analytical batch 500-609910 recovered outside control limits for the following analytes: Bromomethane and Chloroethane. 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 preparation batch 500-608761, 500-608761, 500-608761, 500-608761 and 500-608761 and analytical batch 500-609909 recovered outside control limits for the following analytes: Bromomethane and Chloroethane. 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 RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 500-609019 and analytical batch 500-609090 recovered outside control limits for the following analytes: Multi Analytes.

Method 8270D: The continuing calibration verification (CCV) analyzed in batch 500-609312 was outside the method criteria for the following analyte(s): Nitrobenzene-d5. 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 sample contained one base surrogate outside acceptance limits: PRE EAST SUMP (500-202086-5). The laboratory's SOP allows one base surrogate to be outside acceptance limits; therefore, re-extraction was not performed. These results have been reported and qualified.

Method 8270D: The continuing calibration verification (CCV) analyzed in batch 500-610178 was outside the method criteria for the following analyte(s): Nitrobenzene-d5. 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: Perylene-d12 Internal standard (ISTD) response for the following samples were outside of acceptance limits: PRE EAST SUMP (500-202086-5) and TS-01 (500-202086-8). Target analytes associated to this internal standard were non-detect; therefore, re-analysis was not performed.

Method 8270D: The following samples were diluted due to the nature of the sample matrix: PRE EAST SUMP (500-202086-5) and PRE WEST SUMP (500-202086-7). 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.

GC Semi VOA
Method 8082A: The continuing calibration verification (CCV) associated with batch 500-609160 recovered above the upper control limit for DCB Decachlorobiphenyl and PCB-1260. The samples associated with this CCV were non-detects for the affected analytes; therefore, the

Job ID: 500-202086-1 (Continued)

Laboratory: Eurofins TestAmerica, Chicago (Continued)

data have been reported. The associated samples are impacted: EAST SUMP (500-202086-1), LARGE SUMP (500-202086-2), WEST SUMP (500-202086-3) and (CCVIS 500-609160/2).

Method 8082A: Surrogate DCB Decachlorobiphenyl recovery for the following Continuing Calibration Verification (CCVIS) was outside control limits: PRE EAST SUMP (500-202086-5), PRE WEST SUMP (500-202086-7) and (CCVIS 500-610307/2). The other surrogate was within limits; therefore, re-analysis was not performed.

Method 8082A: The following samples were diluted due to the nature of the sample matrix: PRE EAST SUMP (500-202086-5) and PRE WEST SUMP (500-202086-7). Elevated reporting limits (RLs) are provided.

Method 8082A: DCB Decachlorobiphenyl surrogate recovery for the following samples was outside the upper control limit: PRE EAST SUMP (500-202086-5) and PRE WEST SUMP (500-202086-7). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

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.

LCMS
Method 537 (modified): The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 320-506020 and analytical batch 320-507446 recovered outside control limits for the following analytes: Perfluorododecanesulfonic acid (PFDoS).

Method 537 (modified): The "I" qualifier means the transition mass ratio for the indicated analyte was outside of the established ratio limit. The qualitative identification of the analyte has some degree of uncertainty, and the reported value may have some high bias. However, analyst judgment was used to positively identify the analyte. EAST SUMP (500-202086-1) and LARGE SUMP (500-202086-2)

Method 537 (modified): The "I" qualifier means the transition mass ratio for the indicated analyte was outside of the established ratio limits. The qualitative identification of the analyte has some degree of uncertainty, and the reported values may have some high bias. However, analyst judgment was used to positively identify the analytes. PRE WEST SUMP (500-202086-7)

Method 537 (modified): The "I" qualifier means the transition mass ratio for the indicated analyte was outside of the established ratio limit. The qualitative identification of the analyte has some degree of uncertainty, and the reported value(may have some high bias. However, analyst judgment was used to positively identify the analyte. (CCB 320-507466/1)

Method 537 (modified): Isotope Dilution Analyte (IDA) recovery is above the method recommended limit for the following samples: WEST SUMP (500-202086-3). Quantitation by isotope dilution generally precludes any adverse effect on data quality due to elevated IDA recoveries. Samples were re-analyzed with concurring results; therefore, data have been reported.

Method 537 (modified): The continuing calibration verification (CCV) associated with batch 320-508989 recovered above the upper control limit for Perfluorotetradecanoic acid (PFTeA). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCV 320-508989/3).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep
Method 3535: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 320-506020. Method: 3535_PFC_28D-W Matrix: Aqueous

Method 3535: The following sample was light yellow prior to extraction WEST SUMP (500-202086-3): preparation batch 320-506020 Method: 3535_PFC_28D-W Matrix: Aqueous

Method 3535: The following sample was light yellow and contained sediment prior to extraction LARGE SUMP (500-202086-2): preparation batch 320-506020 Method: 3535_PFC_28D-W Matrix: Aqueous

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Job ID: 500-202086-1 (Continued)

Laboratory: Eurofins TestAmerica, Chicago (Continued)

Narrative

Job Narrative
500-202086-2

Comments
No additional comments.

Receipt
The samples were received on 7/9/2021 9:30 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 2.1º C and 2.2º C.

Metals
Method 7470A: The following samples were prepared outside of preparation holding times for Hg due to the request for the test being added after the hold time had already expired. EAST SUMP (500-202086-1), LARGE SUMP (500-202086-2) and WEST SUMP (500-202086-3).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Narrative

Job Narrative
500-202086-3

Comments
No additional comments.

Receipt
The samples were received on 7/9/2021 9:30 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 2.1º C and 2.2º C.

Metals
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Field Service / Mobile Lab
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Ramboll US Corporation
Job ID: 500-202086-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: EAST SUMP — Lab Sample ID: 500-202086-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	52		1.0	0.41	ug/L	1		8260B	Total/NA
Tetrachloroethene	8.2		1.0	0.37	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	1.1		1.0	0.35	ug/L	1		8260B	Total/NA
Trichloroethene	4.9		0.50	0.16	ug/L	1		8260B	Total/NA
Perfluorobutanoic acid (PFBA)	2.8	J	4.4	2.1	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	0.97	J	1.8	0.43	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	1.3	J	1.8	0.51	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.58	J I	1.8	0.22	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	13		1.8	0.75	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	0.31	J	1.8	0.27	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	1.0	J	1.8	0.18	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	3.6		1.8	0.50	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	4.7		1.8	0.48	ng/L	1		537 (modified)	Total/NA
Arsenic	1.2		1.0	0.23	ug/L	1		6020A	Total Recoverable
Barium	95		2.5	0.73	ug/L	1		6020A	Total Recoverable
Lead	0.30	J	0.50	0.19	ug/L	1		6020A	Total Recoverable
Arsenic	0.92	J	1.0	0.23	ug/L	1		6020A	Dissolved
Barium	88		2.5	0.73	ug/L	1		6020A	Dissolved

Client Sample ID: LARGE SUMP — Lab Sample ID: 500-202086-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	8.2		1.0	0.41	ug/L	1		8260B	Total/NA
Tetrachloroethene	0.74	J	1.0	0.37	ug/L	1		8260B	Total/NA
Perfluorobutanoic acid (PFBA)	2.0	J	4.2	2.0	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	0.42	J	1.7	0.42	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	0.61	J I	1.7	0.49	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.21	J	1.7	0.21	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	2.5		1.7	0.72	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	0.29	J	1.7	0.26	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	1.3	J	1.7	0.17	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	1.6	J	1.7	0.48	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanesulfonic Acid (PFHpS)	0.20	J	1.7	0.16	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	14		1.7	0.46	ng/L	1		537 (modified)	Total/NA
Arsenic	1.5		1.0	0.23	ug/L	1		6020A	Total Recoverable
Barium	73		2.5	0.73	ug/L	1		6020A	Total Recoverable
Arsenic	0.95	J	1.0	0.23	ug/L	1		6020A	Dissolved
Barium	69		2.5	0.73	ug/L	1		6020A	Dissolved

Client Sample ID: WEST SUMP — Lab Sample ID: 500-202086-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	4.1	J	4.4	2.1	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	2.8		1.8	0.43	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	4.4		1.8	0.51	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.77	J	1.8	0.22	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	2.8		1.8	0.75	ng/L	1		537 (modified)	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: WEST SUMP (Continued) — Lab Sample ID: 500-202086-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorononanoic acid (PFNA)	0.49	J	1.8	0.24	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	0.54	J	1.8	0.27	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.83	J	1.8	0.18	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	1.5	J	1.8	0.50	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanesulfonic Acid (PFHpS)	0.45	J	1.8	0.17	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	37		1.8	0.48	ng/L	1		537 (modified)	Total/NA
Arsenic	0.79	J	1.0	0.23	ug/L	1		6020A	Total Recoverable
Barium	28		2.5	0.73	ug/L	1		6020A	Total Recoverable
Lead	0.29	J	0.50	0.19	ug/L	1		6020A	Total Recoverable
Arsenic	0.28	J	1.0	0.23	ug/L	1		6020A	Dissolved
Barium	24		2.5	0.73	ug/L	1		6020A	Dissolved

Client Sample ID: FB-01 — Lab Sample ID: 500-202086-4

No Detections.

Client Sample ID: PRE EAST SUMP — Lab Sample ID: 500-202086-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	0.096	J	0.31	0.044	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	0.12	J	0.31	0.065	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.048	J	0.31	0.045	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	4.3		0.31	0.13	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	0.059	J	0.31	0.048	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.82		0.78	0.31	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorodecanesulfonic acid (PFDS)	0.22	J	0.31	0.061	ug/Kg	1	☼	537 (modified)	Total/NA
NEtFOSAA	0.99	J	3.1	0.58	ug/Kg	1	☼	537 (modified)	Total/NA
Arsenic	5.4		1.6	0.53	mg/Kg	1	☼	6010B	Total/NA
Barium	530		1.6	0.18	mg/Kg	1	☼	6010B	Total/NA
Cadmium	8.6	B	0.31	0.056	mg/Kg	1	☼	6010B	Total/NA
Chromium	670		7.8	3.9	mg/Kg	5	☼	6010B	Total/NA
Lead	2600		0.78	0.36	mg/Kg	1	☼	6010B	Total/NA
Silver	2.6	J B	3.9	1.0	mg/Kg	5	☼	6010B	Total/NA
Mercury	120		24	8.1	ug/Kg	1	☼	7471B	Total/NA

Client Sample ID: PRE LARGE SUMP — Lab Sample ID: 500-202086-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	0.35	J	0.80	0.11	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	0.40	J	0.80	0.31	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	0.37	J	0.80	0.17	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	0.77	J	0.80	0.34	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.85	J	2.0	0.80	ug/Kg	1	☼	537 (modified)	Total/NA
Arsenic	61		4.2	1.4	mg/Kg	1	☼	6010B	Total/NA
Barium	1500		4.2	0.48	mg/Kg	1	☼	6010B	Total/NA
Cadmium	1.3	B	0.84	0.15	mg/Kg	1	☼	6010B	Total/NA
Chromium	120		4.2	2.1	mg/Kg	1	☼	6010B	Total/NA
Lead	72		2.1	0.97	mg/Kg	1	☼	6010B	Total/NA
Selenium	7.7		4.2	2.5	mg/Kg	1	☼	6010B	Total/NA
Silver	6.9	J B	10	2.7	mg/Kg	5	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: PRE LARGE SUMP (Continued) — Lab Sample ID: 500-202086-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	120		64	21	ug/Kg	1	☼	7471B	Total/NA

Client Sample ID: PRE WEST SUMP — Lab Sample ID: 500-202086-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Xylenes, Total	720		72	32	ug/Kg	50	☼	8260B	Total/NA
Benzo[a]anthracene	530	J	1900	250	ug/Kg	10	☼	8270D	Total/NA
Benzo[a]pyrene	1000	J	1900	360	ug/Kg	10	☼	8270D	Total/NA
Benzo[b]fluoranthene	2400		1900	400	ug/Kg	10	☼	8270D	Total/NA
Benzo[g,h,i]perylene	650	J	1900	600	ug/Kg	10	☼	8270D	Total/NA
Benzo[k]fluoranthene	580	J	1900	550	ug/Kg	10	☼	8270D	Total/NA
Chrysene	1400	J	1900	510	ug/Kg	10	☼	8270D	Total/NA
Fluoranthene	2300		1900	350	ug/Kg	10	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	680	J	1900	480	ug/Kg	10	☼	8270D	Total/NA
Phenanthrene	1100	J	1900	260	ug/Kg	10	☼	8270D	Total/NA
Pyrene	1800	J	1900	370	ug/Kg	10	☼	8270D	Total/NA
Perfluorooctanoic acid (PFOA)	0.31	J	0.38	0.16	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	0.046	J	0.38	0.042	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.87	J I	0.95	0.38	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorooctanesulfonamide (FOSA)	0.33	J	0.38	0.16	ug/Kg	1	☼	537 (modified)	Total/NA
Arsenic	16		9.5	3.3	mg/Kg	5	☼	6010B	Total/NA
Barium	530		1.9	0.22	mg/Kg	1	☼	6010B	Total/NA
Cadmium	15	B	0.38	0.069	mg/Kg	1	☼	6010B	Total/NA
Chromium	160		1.9	0.94	mg/Kg	1	☼	6010B	Total/NA
Lead	82		4.8	2.2	mg/Kg	5	☼	6010B	Total/NA
Selenium	2.7		1.9	1.1	mg/Kg	1	☼	6010B	Total/NA
Silver	4.1	J	4.8	1.2	mg/Kg	5	☼	6010B	Total/NA
Mercury	95		29	9.6	ug/Kg	1	☼	7471B	Total/NA

Client Sample ID: TS-01 — Lab Sample ID: 500-202086-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid (PFHxA)	0.046	J	0.22	0.046	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	0.16	J	0.22	0.095	ug/Kg	1	☼	537 (modified)	Total/NA
Arsenic	0.44	J	0.99	0.34	mg/Kg	1	☼	6010B	Total/NA
Barium	17		0.99	0.11	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.098	J B	0.20	0.036	mg/Kg	1	☼	6010B	Total/NA
Chromium	5.6		0.99	0.49	mg/Kg	1	☼	6010B	Total/NA
Lead	9.5		0.50	0.23	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: TRIP BLANK — Lab Sample ID: 500-202086-9

No Detections.

Client Sample ID: TRIP BLANK — Lab Sample ID: 500-202086-10

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Ramboll US Corporation
Job ID: 500-202086-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL CHI
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL CHI
537 (modified)	Fluorinated Alkyl Substances	EPA	TAL SAC
6010B	Metals (ICP)	SW846	TAL CHI
7471B	Mercury (CVAA)	SW846	TAL CHI
Moisture	Percent Moisture	EPA	TAL CHI
3050B	Preparation, Metals	SW846	TAL CHI
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL CHI
3535	Solid-Phase Extraction (SPE)	SW846	TAL SAC
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
SHAKE	Shake Extraction with Ultrasonic Bath Extraction	SW846	TAL SAC

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 TestAmerica, Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Sample Summary

Client: Ramboll US Corporation
Job ID: 500-202086-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-202086-1	EAST SUMP	Water	07/07/21 10:45	07/09/21 09:30
500-202086-2	LARGE SUMP	Water	07/07/21 11:20	07/09/21 09:30
500-202086-3	WEST SUMP	Water	07/07/21 11:45	07/09/21 09:30
500-202086-4	FB-01	Water	07/07/21 12:00	07/09/21 09:30
500-202086-5	PRE EAST SUMP	Solid	07/07/21 12:15	07/09/21 09:30
500-202086-6	PRE LARGE SUMP	Solid	07/07/21 12:30	07/09/21 09:30
500-202086-7	PRE WEST SUMP	Solid	07/07/21 12:45	07/09/21 09:30
500-202086-8	TS-01	Solid	07/08/21 08:20	07/09/21 09:30
500-202086-9	TRIP BLANK	Water	07/07/21 00:00	07/09/21 09:30
500-202086-10	TRIP BLANK	Solid	07/07/21 00:00	07/09/21 09:30

Client: Ramboll US Corporation
Project/Site: Former Mirro 20 - Chilton 1690019558

Job ID: 500-202086-1

Client Sample ID: EAST SUMP
Date Collected: 07/07/21 10:45
Date Received: 07/09/21 09:30

Lab Sample ID: 500-202086-1
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			07/19/21 16:15	1
Bromobenzene	<0.36		1.0	0.36	ug/L			07/19/21 16:15	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			07/19/21 16:15	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			07/19/21 16:15	1
Bromoform	<0.48		1.0	0.48	ug/L			07/19/21 16:15	1
Bromomethane	<0.80	*+	3.0	0.80	ug/L			07/19/21 16:15	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			07/19/21 16:15	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			07/19/21 16:15	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			07/19/21 16:15	1
Chloroethane	<0.51	*+	1.0	0.51	ug/L			07/19/21 16:15	1
Chloroform	<0.37		2.0	0.37	ug/L			07/19/21 16:15	1
Chloromethane	<0.32		1.0	0.32	ug/L			07/19/21 16:15	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			07/19/21 16:15	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			07/19/21 16:15	1
cis-1,2-Dichloroethene	**52**		1.0	0.41	ug/L			07/19/21 16:15	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			07/19/21 16:15	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			07/19/21 16:15	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			07/19/21 16:15	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			07/19/21 16:15	1
Dibromomethane	<0.27		1.0	0.27	ug/L			07/19/21 16:15	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			07/19/21 16:15	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			07/19/21 16:15	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			07/19/21 16:15	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			07/19/21 16:15	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			07/19/21 16:15	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			07/19/21 16:15	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			07/19/21 16:15	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			07/19/21 16:15	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			07/19/21 16:15	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			07/19/21 16:15	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			07/19/21 16:15	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			07/19/21 16:15	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			07/19/21 16:15	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			07/19/21 16:15	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			07/19/21 16:15	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			07/19/21 16:15	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			07/19/21 16:15	1
Naphthalene	<0.34		1.0	0.34	ug/L			07/19/21 16:15	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			07/19/21 16:15	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			07/19/21 16:15	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			07/19/21 16:15	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			07/19/21 16:15	1
Styrene	<0.39		1.0	0.39	ug/L			07/19/21 16:15	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			07/19/21 16:15	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			07/19/21 16:15	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			07/19/21 16:15	1
Tetrachloroethene	**8.2**		1.0	0.37	ug/L			07/19/21 16:15	1
Toluene	<0.15		0.50	0.15	ug/L			07/19/21 16:15	1
trans-1,2-Dichloroethene	**1.1**		1.0	0.35	ug/L			07/19/21 16:15	1

Client Sample ID: EAST SUMP
Lab Sample ID: 500-202086-1
Date Collected: 07/07/21 10:45
Matrix: Water
Date Received: 07/09/21 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			07/19/21 16:15	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			07/19/21 16:15	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			07/19/21 16:15	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			07/19/21 16:15	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			07/19/21 16:15	1
Trichloroethene	**4.9**		0.50	0.16	ug/L			07/19/21 16:15	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			07/19/21 16:15	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			07/19/21 16:15	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			07/19/21 16:15	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			07/19/21 16:15	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			07/19/21 16:15	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			07/19/21 16:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*72 - 124*		*07/19/21 16:15*	*1*
Dibromofluoromethane (Surr)	*107*		*75 - 120*		*07/19/21 16:15*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*75 - 126*		*07/19/21 16:15*	*1*
Toluene-d8 (Surr)	*103*		*75 - 120*		*07/19/21 16:15*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.24	*1	0.77	0.24	ug/L		07/13/21 06:29	07/14/21 10:56	1
Acenaphthylene	<0.20		0.77	0.20	ug/L		07/13/21 06:29	07/14/21 10:56	1
Anthracene	<0.26		0.77	0.26	ug/L		07/13/21 06:29	07/14/21 10:56	1
Benzo[a]anthracene	<0.043		0.15	0.043	ug/L		07/13/21 06:29	07/14/21 10:56	1
Benzo[a]pyrene	<0.076		0.15	0.076	ug/L		07/13/21 06:29	07/14/21 10:56	1
Benzo[b]fluoranthene	<0.062		0.15	0.062	ug/L		07/13/21 06:29	07/14/21 10:56	1
Benzo[g,h,i]perylene	<0.29		0.77	0.29	ug/L		07/13/21 06:29	07/14/21 10:56	1
Benzo[k]fluoranthene	<0.049		0.15	0.049	ug/L		07/13/21 06:29	07/14/21 10:56	1
Chrysene	<0.052		0.15	0.052	ug/L		07/13/21 06:29	07/14/21 10:56	1
Dibenz(a,h)anthracene	<0.039		0.23	0.039	ug/L		07/13/21 06:29	07/14/21 10:56	1
Fluoranthene	<0.35		0.77	0.35	ug/L		07/13/21 06:29	07/14/21 10:56	1
Fluorene	<0.19		0.77	0.19	ug/L		07/13/21 06:29	07/14/21 10:56	1
Indeno[1,2,3-cd]pyrene	<0.057		0.15	0.057	ug/L		07/13/21 06:29	07/14/21 10:56	1
Naphthalene	<0.24	*1	0.77	0.24	ug/L		07/13/21 06:29	07/14/21 10:56	1
Phenanthrene	<0.23		0.77	0.23	ug/L		07/13/21 06:29	07/14/21 10:56	1
Pyrene	<0.33		0.77	0.33	ug/L		07/13/21 06:29	07/14/21 10:56	1
1-Methylnaphthalene	<0.23	*1	1.5	0.23	ug/L		07/13/21 06:29	07/14/21 10:56	1
2-Methylnaphthalene	<0.050	*1	1.5	0.050	ug/L		07/13/21 06:29	07/14/21 10:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*58*		*36 - 120*	*07/13/21 06:29*	*07/14/21 10:56*	*1*
Terphenyl-d14 (Surr)	*107*		*40 - 145*	*07/13/21 06:29*	*07/14/21 10:56*	*1*
2-Fluorobiphenyl (Surr)	*75*		*34 - 110*	*07/13/21 06:29*	*07/14/21 10:56*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.063		0.37	0.063	ug/L		07/12/21 10:42	07/13/21 15:02	1
PCB-1221	<0.19		0.37	0.19	ug/L		07/12/21 10:42	07/13/21 15:02	1
PCB-1232	<0.19		0.37	0.19	ug/L		07/12/21 10:42	07/13/21 15:02	1

Client: Ramboll US Corporation
Job ID: 500-202086-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: EAST SUMP
Lab Sample ID: 500-202086-1
Date Collected: 07/07/21 10:45
Matrix: Water
Date Received: 07/09/21 09:30

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1242	<0.19		0.37	0.19	ug/L		07/12/21 10:42	07/13/21 15:02	1
PCB-1248	<0.19		0.37	0.19	ug/L		07/12/21 10:42	07/13/21 15:02	1
PCB-1254	<0.19		0.37	0.19	ug/L		07/12/21 10:42	07/13/21 15:02	1
PCB-1260	<0.065		0.37	0.065	ug/L		07/12/21 10:42	07/13/21 15:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*67*		*30 - 120*	*07/12/21 10:42*	*07/13/21 15:02*	*1*
DCB Decachlorobiphenyl	*102*		*30 - 140*	*07/12/21 10:42*	*07/13/21 15:02*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**2.8**	**J**	4.4	2.1	ng/L		07/13/21 04:51	07/16/21 14:42	1
Perfluoropentanoic acid (PFPeA)	**0.97**	**J**	1.8	0.43	ng/L		07/13/21 04:51	07/16/21 14:42	1
Perfluorohexanoic acid (PFHxA)	**1.3**	**J**	1.8	0.51	ng/L		07/13/21 04:51	07/16/21 14:42	1
Perfluoroheptanoic acid (PFHpA)	**0.58**	**J I**	1.8	0.22	ng/L		07/13/21 04:51	07/16/21 14:42	1
Perfluorooctanoic acid (PFOA)	**13**		1.8	0.75	ng/L		07/13/21 04:51	07/16/21 14:42	1
Perfluorononanoic acid (PFNA)	<0.24		1.8	0.24	ng/L		07/13/21 04:51	07/16/21 14:42	1
Perfluorodecanoic acid (PFDA)	**0.31**	**J**	1.8	0.27	ng/L		07/13/21 04:51	07/16/21 14:42	1
Perfluoroundecanoic acid (PFUnA)	<0.97		1.8	0.97	ng/L		07/13/21 04:51	07/16/21 14:42	1
Perfluorododecanoic acid (PFDoA)	<0.48		1.8	0.48	ng/L		07/13/21 04:51	07/16/21 14:42	1
Perfluorotridecanoic acid (PFTrDA)	<1.1		1.8	1.1	ng/L		07/13/21 04:51	07/16/21 14:42	1
Perfluorotetradecanoic acid (PFTeA)	<0.64		1.8	0.64	ng/L		07/13/21 04:51	07/16/21 14:42	1
Perfluorobutanesulfonic acid (PFBS)	**1.0**	**J**	1.8	0.18	ng/L		07/13/21 04:51	07/16/21 14:42	1
Perfluoropentanesulfonic acid (PFPeS)	<0.26		1.8	0.26	ng/L		07/13/21 04:51	07/16/21 14:42	1
Perfluorohexanesulfonic acid (PFHxS)	**3.6**		1.8	0.50	ng/L		07/13/21 04:51	07/16/21 14:42	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.17		1.8	0.17	ng/L		07/13/21 04:51	07/16/21 14:42	1
Perfluorooctanesulfonic acid (PFOS)	**4.7**		1.8	0.48	ng/L		07/13/21 04:51	07/16/21 14:42	1
Perfluorononanesulfonic acid (PFNS)	<0.33		1.8	0.33	ng/L		07/13/21 04:51	07/16/21 14:42	1
Perfluorodecanesulfonic acid (PFDS)	<0.28		1.8	0.28	ng/L		07/13/21 04:51	07/16/21 14:42	1
Perfluorododecanesulfonic acid (PFDoS)	<0.86	*1	1.8	0.86	ng/L		07/13/21 04:51	07/16/21 14:42	1
Perfluorooctanesulfonamide (FOSA)	<0.86		1.8	0.86	ng/L		07/13/21 04:51	07/16/21 14:42	1
NEtFOSA	<0.77		1.8	0.77	ng/L		07/13/21 04:51	07/16/21 14:42	1
NMeFOSA	<0.38		1.8	0.38	ng/L		07/13/21 04:51	07/16/21 14:42	1
NMeFOSAA	<1.1		4.4	1.1	ng/L		07/13/21 04:51	07/16/21 14:42	1
NEtFOSAA	<1.1		4.4	1.1	ng/L		07/13/21 04:51	07/16/21 14:42	1
NMeFOSE	<1.2		3.5	1.2	ng/L		07/13/21 04:51	07/16/21 14:42	1
NEtFOSE	<0.75		1.8	0.75	ng/L		07/13/21 04:51	07/16/21 14:42	1
4:2 FTS	<0.21		1.8	0.21	ng/L		07/13/21 04:51	07/16/21 14:42	1
6:2 FTS	<2.2		4.4	2.2	ng/L		07/13/21 04:51	07/16/21 14:42	1
8:2 FTS	<0.41		1.8	0.41	ng/L		07/13/21 04:51	07/16/21 14:42	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.35		1.8	0.35	ng/L		07/13/21 04:51	07/16/21 14:42	1
HFPO-DA (GenX)	<1.3		3.5	1.3	ng/L		07/13/21 04:51	07/16/21 14:42	1
9Cl-PF3ONS	<0.21		1.8	0.21	ng/L		07/13/21 04:51	07/16/21 14:42	1
11Cl-PF3OUdS	<0.28		1.8	0.28	ng/L		07/13/21 04:51	07/16/21 14:42	1

Client: Ramboll US Corporation
Project/Site: Former Mirro 20 - Chilton 1690019558

Job ID: 500-202086-1

Client Sample ID: EAST SUMP

Date Collected: 07/07/21 10:45
Date Received: 07/09/21 09:30

Lab Sample ID: 500-202086-1

Matrix: Water

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	80		25 - 150	07/13/21 04:51	07/16/21 14:42	1
13C5 PFPeA	90		25 - 150	07/13/21 04:51	07/16/21 14:42	1
13C2 PFHxA	95		25 - 150	07/13/21 04:51	07/16/21 14:42	1
13C4 PFHpA	94		25 - 150	07/13/21 04:51	07/16/21 14:42	1
13C4 PFOA	98		25 - 150	07/13/21 04:51	07/16/21 14:42	1
13C5 PFNA	96		25 - 150	07/13/21 04:51	07/16/21 14:42	1
13C2 PFDA	92		25 - 150	07/13/21 04:51	07/16/21 14:42	1
13C2 PFUnA	91		25 - 150	07/13/21 04:51	07/16/21 14:42	1
13C2 PFDoA	79		25 - 150	07/13/21 04:51	07/16/21 14:42	1
13C2 PFTeDA	81		25 - 150	07/13/21 04:51	07/16/21 14:42	1
13C3 PFBS	108		25 - 150	07/13/21 04:51	07/16/21 14:42	1
18O2 PFHxS	93		25 - 150	07/13/21 04:51	07/16/21 14:42	1
13C4 PFOS	91		25 - 150	07/13/21 04:51	07/16/21 14:42	1
13C8 FOSA	98		10 - 150	07/13/21 04:51	07/16/21 14:42	1
d3-NMeFOSAA	74		25 - 150	07/13/21 04:51	07/16/21 14:42	1
d5-NEtFOSAA	86		25 - 150	07/13/21 04:51	07/16/21 14:42	1
d-N-MeFOSA-M	81		10 - 150	07/13/21 04:51	07/16/21 14:42	1
d-N-EtFOSA-M	75		10 - 150	07/13/21 04:51	07/16/21 14:42	1
d7-N-MeFOSE-M	74		10 - 150	07/13/21 04:51	07/16/21 14:42	1
d9-N-EtFOSE-M	71		10 - 150	07/13/21 04:51	07/16/21 14:42	1
M2-4:2 FTS	122		25 - 150	07/13/21 04:51	07/16/21 14:42	1
M2-6:2 FTS	136		25 - 150	07/13/21 04:51	07/16/21 14:42	1
M2-8:2 FTS	114		25 - 150	07/13/21 04:51	07/16/21 14:42	1
13C3 HFPO-DA	93		25 - 150	07/13/21 04:51	07/16/21 14:42	1
13C2 10:2 FTS	102		25 - 150	07/13/21 04:51	07/16/21 14:42	1

Method: 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**1.2**		1.0	0.23	ug/L		08/04/21 07:41	08/05/21 15:01	1
Barium	**95**		2.5	0.73	ug/L		08/04/21 07:41	08/05/21 15:01	1
Cadmium	<0.17		0.50	0.17	ug/L		08/04/21 07:41	08/05/21 15:01	1
Chromium	<1.1		5.0	1.1	ug/L		08/04/21 07:41	08/05/21 15:01	1
Lead	**0.30**	**J**	0.50	0.19	ug/L		08/04/21 07:41	08/05/21 15:01	1
Selenium	<0.98		2.5	0.98	ug/L		08/04/21 07:41	08/05/21 15:01	1
Silver	<0.12		0.50	0.12	ug/L		08/04/21 07:41	08/05/21 15:01	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.92**	**J**	1.0	0.23	ug/L		07/13/21 08:27	07/13/21 18:55	1
Barium	**88**		2.5	0.73	ug/L		07/13/21 08:27	07/13/21 18:55	1
Cadmium	<0.17		0.50	0.17	ug/L		07/13/21 08:27	07/13/21 18:55	1
Chromium	<1.1		5.0	1.1	ug/L		07/13/21 08:27	07/13/21 18:55	1
Lead	<0.19		0.50	0.19	ug/L		07/13/21 08:27	07/13/21 18:55	1
Selenium	<0.98		2.5	0.98	ug/L		07/13/21 08:27	07/13/21 18:55	1
Silver	<0.12		0.50	0.12	ug/L		07/13/21 08:27	07/13/21 18:55	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.098	H	0.20	0.098	ug/L		08/04/21 09:40	08/05/21 07:57	1

Client Sample Results

Client: Ramboll US Corporation
Job ID: 500-202086-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: EAST SUMP
Lab Sample ID: 500-202086-1
Date Collected: 07/07/21 10:45
Matrix: Water
Date Received: 07/09/21 09:30

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.098		0.20	0.098	ug/L		07/12/21 09:20	07/13/21 08:39	1

Client: Ramboll US Corporation
Job ID: 500-202086-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: LARGE SUMP
Lab Sample ID: 500-202086-2
Date Collected: 07/07/21 11:20
Matrix: Water
Date Received: 07/09/21 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			07/19/21 16:42	1
Bromobenzene	<0.36		1.0	0.36	ug/L			07/19/21 16:42	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			07/19/21 16:42	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			07/19/21 16:42	1
Bromoform	<0.48		1.0	0.48	ug/L			07/19/21 16:42	1
Bromomethane	<0.80	*+	3.0	0.80	ug/L			07/19/21 16:42	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			07/19/21 16:42	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			07/19/21 16:42	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			07/19/21 16:42	1
Chloroethane	<0.51	*+	1.0	0.51	ug/L			07/19/21 16:42	1
Chloroform	<0.37		2.0	0.37	ug/L			07/19/21 16:42	1
Chloromethane	<0.32		1.0	0.32	ug/L			07/19/21 16:42	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			07/19/21 16:42	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			07/19/21 16:42	1
cis-1,2-Dichloroethene	**8.2**		1.0	0.41	ug/L			07/19/21 16:42	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			07/19/21 16:42	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			07/19/21 16:42	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			07/19/21 16:42	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			07/19/21 16:42	1
Dibromomethane	<0.27		1.0	0.27	ug/L			07/19/21 16:42	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			07/19/21 16:42	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			07/19/21 16:42	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			07/19/21 16:42	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			07/19/21 16:42	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			07/19/21 16:42	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			07/19/21 16:42	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			07/19/21 16:42	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			07/19/21 16:42	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			07/19/21 16:42	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			07/19/21 16:42	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			07/19/21 16:42	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			07/19/21 16:42	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			07/19/21 16:42	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			07/19/21 16:42	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			07/19/21 16:42	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			07/19/21 16:42	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			07/19/21 16:42	1
Naphthalene	<0.34		1.0	0.34	ug/L			07/19/21 16:42	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			07/19/21 16:42	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			07/19/21 16:42	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			07/19/21 16:42	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			07/19/21 16:42	1
Styrene	<0.39		1.0	0.39	ug/L			07/19/21 16:42	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			07/19/21 16:42	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			07/19/21 16:42	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			07/19/21 16:42	1
Tetrachloroethene	**0.74**	**J**	1.0	0.37	ug/L			07/19/21 16:42	1
Toluene	<0.15		0.50	0.15	ug/L			07/19/21 16:42	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			07/19/21 16:42	1

Client: Ramboll US Corporation
Job ID: 500-202086-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: LARGE SUMP
Lab Sample ID: 500-202086-2
Date Collected: 07/07/21 11:20
Matrix: Water
Date Received: 07/09/21 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			07/19/21 16:42	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			07/19/21 16:42	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			07/19/21 16:42	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			07/19/21 16:42	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			07/19/21 16:42	1
Trichloroethene	<0.16		0.50	0.16	ug/L			07/19/21 16:42	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			07/19/21 16:42	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			07/19/21 16:42	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			07/19/21 16:42	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			07/19/21 16:42	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			07/19/21 16:42	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			07/19/21 16:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*72 - 124*		*07/19/21 16:42*	*1*
Dibromofluoromethane (Surr)	*110*		*75 - 120*		*07/19/21 16:42*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*75 - 126*		*07/19/21 16:42*	*1*
Toluene-d8 (Surr)	*99*		*75 - 120*		*07/19/21 16:42*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.24	*1	0.77	0.24	ug/L		07/13/21 06:29	07/14/21 11:20	1
Acenaphthylene	<0.21		0.77	0.21	ug/L		07/13/21 06:29	07/14/21 11:20	1
Anthracene	<0.26		0.77	0.26	ug/L		07/13/21 06:29	07/14/21 11:20	1
Benzo[a]anthracene	<0.044		0.15	0.044	ug/L		07/13/21 06:29	07/14/21 11:20	1
Benzo[a]pyrene	<0.076		0.15	0.076	ug/L		07/13/21 06:29	07/14/21 11:20	1
Benzo[b]fluoranthene	<0.062		0.15	0.062	ug/L		07/13/21 06:29	07/14/21 11:20	1
Benzo[g,h,i]perylene	<0.29		0.77	0.29	ug/L		07/13/21 06:29	07/14/21 11:20	1
Benzo[k]fluoranthene	<0.049		0.15	0.049	ug/L		07/13/21 06:29	07/14/21 11:20	1
Chrysene	<0.053		0.15	0.053	ug/L		07/13/21 06:29	07/14/21 11:20	1
Dibenz(a,h)anthracene	<0.039		0.23	0.039	ug/L		07/13/21 06:29	07/14/21 11:20	1
Fluoranthene	<0.35		0.77	0.35	ug/L		07/13/21 06:29	07/14/21 11:20	1
Fluorene	<0.19		0.77	0.19	ug/L		07/13/21 06:29	07/14/21 11:20	1
Indeno[1,2,3-cd]pyrene	<0.058		0.15	0.058	ug/L		07/13/21 06:29	07/14/21 11:20	1
Naphthalene	<0.24	*1	0.77	0.24	ug/L		07/13/21 06:29	07/14/21 11:20	1
Phenanthrene	<0.23		0.77	0.23	ug/L		07/13/21 06:29	07/14/21 11:20	1
Pyrene	<0.33		0.77	0.33	ug/L		07/13/21 06:29	07/14/21 11:20	1
1-Methylnaphthalene	<0.23	*1	1.5	0.23	ug/L		07/13/21 06:29	07/14/21 11:20	1
2-Methylnaphthalene	<0.050	*1	1.5	0.050	ug/L		07/13/21 06:29	07/14/21 11:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*56*		*36 - 120*	*07/13/21 06:29*	*07/14/21 11:20*	*1*
Terphenyl-d14 (Surr)	*107*		*40 - 145*	*07/13/21 06:29*	*07/14/21 11:20*	*1*
2-Fluorobiphenyl (Surr)	*72*		*34 - 110*	*07/13/21 06:29*	*07/14/21 11:20*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.067		0.40	0.067	ug/L		07/12/21 10:42	07/13/21 15:18	1
PCB-1221	<0.20		0.40	0.20	ug/L		07/12/21 10:42	07/13/21 15:18	1
PCB-1232	<0.20		0.40	0.20	ug/L		07/12/21 10:42	07/13/21 15:18	1

Client: Ramboll US Corporation
Job ID: 500-202086-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: LARGE SUMP
Lab Sample ID: 500-202086-2
Date Collected: 07/07/21 11:20
Matrix: Water
Date Received: 07/09/21 09:30

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1242	<0.20		0.40	0.20	ug/L		07/12/21 10:42	07/13/21 15:18	1
PCB-1248	<0.20		0.40	0.20	ug/L		07/12/21 10:42	07/13/21 15:18	1
PCB-1254	<0.20		0.40	0.20	ug/L		07/12/21 10:42	07/13/21 15:18	1
PCB-1260	<0.070		0.40	0.070	ug/L		07/12/21 10:42	07/13/21 15:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*69*		*30 - 120*	*07/12/21 10:42*	*07/13/21 15:18*	*1*
DCB Decachlorobiphenyl	*109*		*30 - 140*	*07/12/21 10:42*	*07/13/21 15:18*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**2.0**	**J**	4.2	2.0	ng/L		07/13/21 04:51	07/16/21 14:51	1
Perfluoropentanoic acid (PFPeA)	**0.42**	**J**	1.7	0.42	ng/L		07/13/21 04:51	07/16/21 14:51	1
Perfluorohexanoic acid (PFHxA)	**0.61**	**J I**	1.7	0.49	ng/L		07/13/21 04:51	07/16/21 14:51	1
Perfluoroheptanoic acid (PFHpA)	**0.21**	**J**	1.7	0.21	ng/L		07/13/21 04:51	07/16/21 14:51	1
Perfluorooctanoic acid (PFOA)	**2.5**		1.7	0.72	ng/L		07/13/21 04:51	07/16/21 14:51	1
Perfluorononanoic acid (PFNA)	<0.23		1.7	0.23	ng/L		07/13/21 04:51	07/16/21 14:51	1
Perfluorodecanoic acid (PFDA)	**0.29**	**J**	1.7	0.26	ng/L		07/13/21 04:51	07/16/21 14:51	1
Perfluoroundecanoic acid (PFUnA)	<0.93		1.7	0.93	ng/L		07/13/21 04:51	07/16/21 14:51	1
Perfluorododecanoic acid (PFDoA)	<0.47		1.7	0.47	ng/L		07/13/21 04:51	07/16/21 14:51	1
Perfluorotridecanoic acid (PFTrDA)	<1.1		1.7	1.1	ng/L		07/13/21 04:51	07/16/21 14:51	1
Perfluorotetradecanoic acid (PFTeA)	<0.62		1.7	0.62	ng/L		07/13/21 04:51	07/16/21 14:51	1
Perfluorobutanesulfonic acid (PFBS)	**1.3**	**J**	1.7	0.17	ng/L		07/13/21 04:51	07/16/21 14:51	1
Perfluoropentanesulfonic acid (PFPeS)	<0.25		1.7	0.25	ng/L		07/13/21 04:51	07/16/21 14:51	1
Perfluorohexanesulfonic acid (PFHxS)	**1.6**	**J**	1.7	0.48	ng/L		07/13/21 04:51	07/16/21 14:51	1
Perfluoroheptanesulfonic Acid (PFHpS)	**0.20**	**J**	1.7	0.16	ng/L		07/13/21 04:51	07/16/21 14:51	1
Perfluorooctanesulfonic acid (PFOS)	**14**		1.7	0.46	ng/L		07/13/21 04:51	07/16/21 14:51	1
Perfluorononanesulfonic acid (PFNS)	<0.31		1.7	0.31	ng/L		07/13/21 04:51	07/16/21 14:51	1
Perfluorodecanesulfonic acid (PFDS)	<0.27		1.7	0.27	ng/L		07/13/21 04:51	07/16/21 14:51	1
Perfluorododecanesulfonic acid (PFDoS)	<0.82	*1	1.7	0.82	ng/L		07/13/21 04:51	07/16/21 14:51	1
Perfluorooctanesulfonamide (FOSA)	<0.83		1.7	0.83	ng/L		07/13/21 04:51	07/16/21 14:51	1
NEtFOSA	<0.74		1.7	0.74	ng/L		07/13/21 04:51	07/16/21 14:51	1
NMeFOSA	<0.36		1.7	0.36	ng/L		07/13/21 04:51	07/16/21 14:51	1
NMeFOSAA	<1.0		4.2	1.0	ng/L		07/13/21 04:51	07/16/21 14:51	1
NEtFOSAA	<1.1		4.2	1.1	ng/L		07/13/21 04:51	07/16/21 14:51	1
NMeFOSE	<1.2		3.4	1.2	ng/L		07/13/21 04:51	07/16/21 14:51	1
NEtFOSE	<0.72		1.7	0.72	ng/L		07/13/21 04:51	07/16/21 14:51	1
4:2 FTS	<0.20		1.7	0.20	ng/L		07/13/21 04:51	07/16/21 14:51	1
6:2 FTS	<2.1		4.2	2.1	ng/L		07/13/21 04:51	07/16/21 14:51	1
8:2 FTS	<0.39		1.7	0.39	ng/L		07/13/21 04:51	07/16/21 14:51	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.34		1.7	0.34	ng/L		07/13/21 04:51	07/16/21 14:51	1
HFPO-DA (GenX)	<1.3		3.4	1.3	ng/L		07/13/21 04:51	07/16/21 14:51	1
9Cl-PF3ONS	<0.20		1.7	0.20	ng/L		07/13/21 04:51	07/16/21 14:51	1
11Cl-PF3OUdS	<0.27		1.7	0.27	ng/L		07/13/21 04:51	07/16/21 14:51	1

Client Sample ID: LARGE SUMP
Lab Sample ID: 500-202086-2

Date Collected: 07/07/21 11:20
Matrix: Water
Date Received: 07/09/21 09:30

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	81		25 - 150	07/13/21 04:51	07/16/21 14:51	1
13C5 PFPeA	87		25 - 150	07/13/21 04:51	07/16/21 14:51	1
13C2 PFHxA	89		25 - 150	07/13/21 04:51	07/16/21 14:51	1
13C4 PFHpA	92		25 - 150	07/13/21 04:51	07/16/21 14:51	1
13C4 PFOA	92		25 - 150	07/13/21 04:51	07/16/21 14:51	1
13C5 PFNA	92		25 - 150	07/13/21 04:51	07/16/21 14:51	1
13C2 PFDA	90		25 - 150	07/13/21 04:51	07/16/21 14:51	1
13C2 PFUnA	83		25 - 150	07/13/21 04:51	07/16/21 14:51	1
13C2 PFDoA	81		25 - 150	07/13/21 04:51	07/16/21 14:51	1
13C2 PFTeDA	69		25 - 150	07/13/21 04:51	07/16/21 14:51	1
13C3 PFBS	101		25 - 150	07/13/21 04:51	07/16/21 14:51	1
18O2 PFHxS	91		25 - 150	07/13/21 04:51	07/16/21 14:51	1
13C4 PFOS	90		25 - 150	07/13/21 04:51	07/16/21 14:51	1
13C8 FOSA	91		10 - 150	07/13/21 04:51	07/16/21 14:51	1
d3-NMeFOSAA	69		25 - 150	07/13/21 04:51	07/16/21 14:51	1
d5-NEtFOSAA	78		25 - 150	07/13/21 04:51	07/16/21 14:51	1
d-N-MeFOSA-M	66		10 - 150	07/13/21 04:51	07/16/21 14:51	1
d-N-EtFOSA-M	65		10 - 150	07/13/21 04:51	07/16/21 14:51	1
d7-N-MeFOSE-M	62		10 - 150	07/13/21 04:51	07/16/21 14:51	1
d9-N-EtFOSE-M	65		10 - 150	07/13/21 04:51	07/16/21 14:51	1
M2-4:2 FTS	113		25 - 150	07/13/21 04:51	07/16/21 14:51	1
M2-6:2 FTS	108		25 - 150	07/13/21 04:51	07/16/21 14:51	1
M2-8:2 FTS	92		25 - 150	07/13/21 04:51	07/16/21 14:51	1
13C3 HFPO-DA	91		25 - 150	07/13/21 04:51	07/16/21 14:51	1
13C2 10:2 FTS	91		25 - 150	07/13/21 04:51	07/16/21 14:51	1

Method: 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**1.5**		1.0	0.23	ug/L		08/04/21 07:41	08/05/21 15:04	1
Barium	**73**		2.5	0.73	ug/L		08/04/21 07:41	08/05/21 15:04	1
Cadmium	<0.17		0.50	0.17	ug/L		08/04/21 07:41	08/05/21 15:04	1
Chromium	<1.1		5.0	1.1	ug/L		08/04/21 07:41	08/05/21 15:04	1
Lead	<0.19		0.50	0.19	ug/L		08/04/21 07:41	08/05/21 15:04	1
Selenium	<0.98		2.5	0.98	ug/L		08/04/21 07:41	08/05/21 15:04	1
Silver	<0.12		0.50	0.12	ug/L		08/04/21 07:41	08/05/21 15:04	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.95**	**J**	1.0	0.23	ug/L		07/13/21 08:27	07/13/21 19:05	1
Barium	**69**		2.5	0.73	ug/L		07/13/21 08:27	07/13/21 19:05	1
Cadmium	<0.17		0.50	0.17	ug/L		07/13/21 08:27	07/13/21 19:05	1
Chromium	<1.1		5.0	1.1	ug/L		07/13/21 08:27	07/13/21 19:05	1
Lead	<0.19		0.50	0.19	ug/L		07/13/21 08:27	07/13/21 19:05	1
Selenium	<0.98		2.5	0.98	ug/L		07/13/21 08:27	07/13/21 19:05	1
Silver	<0.12		0.50	0.12	ug/L		07/13/21 08:27	07/13/21 19:05	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.098	H	0.20	0.098	ug/L		08/04/21 09:40	08/05/21 07:59	1

Client Sample Results

Client: Ramboll US Corporation
Job ID: 500-202086-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: LARGE SUMP
Lab Sample ID: 500-202086-2
Date Collected: 07/07/21 11:20
Matrix: Water
Date Received: 07/09/21 09:30

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.098		0.20	0.098	ug/L		07/12/21 09:20	07/13/21 08:41	1

Client: Ramboll US Corporation
Project/Site: Former Mirro 20 - Chilton 1690019558

Job ID: 500-202086-1

Client Sample ID: WEST SUMP

Date Collected: 07/07/21 11:45
Date Received: 07/09/21 09:30

Lab Sample ID: 500-202086-3

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			07/19/21 17:08	1
Bromobenzene	<0.36		1.0	0.36	ug/L			07/19/21 17:08	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			07/19/21 17:08	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			07/19/21 17:08	1
Bromoform	<0.48		1.0	0.48	ug/L			07/19/21 17:08	1
Bromomethane	<0.80	*+	3.0	0.80	ug/L			07/19/21 17:08	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			07/19/21 17:08	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			07/19/21 17:08	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			07/19/21 17:08	1
Chloroethane	<0.51	*+	1.0	0.51	ug/L			07/19/21 17:08	1
Chloroform	<0.37		2.0	0.37	ug/L			07/19/21 17:08	1
Chloromethane	<0.32		1.0	0.32	ug/L			07/19/21 17:08	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			07/19/21 17:08	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			07/19/21 17:08	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			07/19/21 17:08	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			07/19/21 17:08	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			07/19/21 17:08	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			07/19/21 17:08	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			07/19/21 17:08	1
Dibromomethane	<0.27		1.0	0.27	ug/L			07/19/21 17:08	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			07/19/21 17:08	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			07/19/21 17:08	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			07/19/21 17:08	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			07/19/21 17:08	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			07/19/21 17:08	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			07/19/21 17:08	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			07/19/21 17:08	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			07/19/21 17:08	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			07/19/21 17:08	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			07/19/21 17:08	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			07/19/21 17:08	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			07/19/21 17:08	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			07/19/21 17:08	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			07/19/21 17:08	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			07/19/21 17:08	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			07/19/21 17:08	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			07/19/21 17:08	1
Naphthalene	<0.34		1.0	0.34	ug/L			07/19/21 17:08	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			07/19/21 17:08	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			07/19/21 17:08	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			07/19/21 17:08	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			07/19/21 17:08	1
Styrene	<0.39		1.0	0.39	ug/L			07/19/21 17:08	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			07/19/21 17:08	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			07/19/21 17:08	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			07/19/21 17:08	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			07/19/21 17:08	1
Toluene	<0.15		0.50	0.15	ug/L			07/19/21 17:08	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			07/19/21 17:08	1

Client: Ramboll US Corporation
Job ID: 500-202086-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: WEST SUMP
Lab Sample ID: 500-202086-3
Date Collected: 07/07/21 11:45
Matrix: Water
Date Received: 07/09/21 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			07/19/21 17:08	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			07/19/21 17:08	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			07/19/21 17:08	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			07/19/21 17:08	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			07/19/21 17:08	1
Trichloroethene	<0.16		0.50	0.16	ug/L			07/19/21 17:08	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			07/19/21 17:08	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			07/19/21 17:08	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			07/19/21 17:08	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			07/19/21 17:08	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			07/19/21 17:08	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			07/19/21 17:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*72 - 124*		*07/19/21 17:08*	*1*
Dibromofluoromethane (Surr)	*107*		*75 - 120*		*07/19/21 17:08*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*75 - 126*		*07/19/21 17:08*	*1*
Toluene-d8 (Surr)	*102*		*75 - 120*		*07/19/21 17:08*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.24	*1	0.77	0.24	ug/L		07/13/21 06:29	07/14/21 11:43	1
Acenaphthylene	<0.21		0.77	0.21	ug/L		07/13/21 06:29	07/14/21 11:43	1
Anthracene	<0.26		0.77	0.26	ug/L		07/13/21 06:29	07/14/21 11:43	1
Benzo[a]anthracene	<0.043		0.15	0.043	ug/L		07/13/21 06:29	07/14/21 11:43	1
Benzo[a]pyrene	<0.076		0.15	0.076	ug/L		07/13/21 06:29	07/14/21 11:43	1
Benzo[b]fluoranthene	<0.062		0.15	0.062	ug/L		07/13/21 06:29	07/14/21 11:43	1
Benzo[g,h,i]perylene	<0.29		0.77	0.29	ug/L		07/13/21 06:29	07/14/21 11:43	1
Benzo[k]fluoranthene	<0.049		0.15	0.049	ug/L		07/13/21 06:29	07/14/21 11:43	1
Chrysene	<0.052		0.15	0.052	ug/L		07/13/21 06:29	07/14/21 11:43	1
Dibenz(a,h)anthracene	<0.039		0.23	0.039	ug/L		07/13/21 06:29	07/14/21 11:43	1
Fluoranthene	<0.35		0.77	0.35	ug/L		07/13/21 06:29	07/14/21 11:43	1
Fluorene	<0.19		0.77	0.19	ug/L		07/13/21 06:29	07/14/21 11:43	1
Indeno[1,2,3-cd]pyrene	<0.057		0.15	0.057	ug/L		07/13/21 06:29	07/14/21 11:43	1
Naphthalene	<0.24	*1	0.77	0.24	ug/L		07/13/21 06:29	07/14/21 11:43	1
Phenanthrene	<0.23		0.77	0.23	ug/L		07/13/21 06:29	07/14/21 11:43	1
Pyrene	<0.33		0.77	0.33	ug/L		07/13/21 06:29	07/14/21 11:43	1
1-Methylnaphthalene	<0.23	*1	1.5	0.23	ug/L		07/13/21 06:29	07/14/21 11:43	1
2-Methylnaphthalene	<0.050	*1	1.5	0.050	ug/L		07/13/21 06:29	07/14/21 11:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*64*		*36 - 120*	*07/13/21 06:29*	*07/14/21 11:43*	*1*
Terphenyl-d14 (Surr)	*103*		*40 - 145*	*07/13/21 06:29*	*07/14/21 11:43*	*1*
2-Fluorobiphenyl (Surr)	*77*		*34 - 110*	*07/13/21 06:29*	*07/14/21 11:43*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.065		0.39	0.065	ug/L		07/12/21 10:42	07/13/21 15:34	1
PCB-1221	<0.19		0.39	0.19	ug/L		07/12/21 10:42	07/13/21 15:34	1
PCB-1232	<0.19		0.39	0.19	ug/L		07/12/21 10:42	07/13/21 15:34	1

Client: Ramboll US Corporation
Job ID: 500-202086-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: WEST SUMP
Lab Sample ID: 500-202086-3
Date Collected: 07/07/21 11:45
Matrix: Water
Date Received: 07/09/21 09:30

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1242	<0.19		0.39	0.19	ug/L		07/12/21 10:42	07/13/21 15:34	1
PCB-1248	<0.19		0.39	0.19	ug/L		07/12/21 10:42	07/13/21 15:34	1
PCB-1254	<0.19		0.39	0.19	ug/L		07/12/21 10:42	07/13/21 15:34	1
PCB-1260	<0.068		0.39	0.068	ug/L		07/12/21 10:42	07/13/21 15:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*60*		*30 - 120*	*07/12/21 10:42*	*07/13/21 15:34*	*1*
DCB Decachlorobiphenyl	*81*		*30 - 140*	*07/12/21 10:42*	*07/13/21 15:34*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**4.1**	**J**	4.4	2.1	ng/L		07/13/21 04:51	07/16/21 15:00	1
Perfluoropentanoic acid (PFPeA)	**2.8**		1.8	0.43	ng/L		07/13/21 04:51	07/16/21 15:00	1
Perfluorohexanoic acid (PFHxA)	**4.4**		1.8	0.51	ng/L		07/13/21 04:51	07/16/21 15:00	1
Perfluoroheptanoic acid (PFHpA)	**0.77**	**J**	1.8	0.22	ng/L		07/13/21 04:51	07/16/21 15:00	1
Perfluorooctanoic acid (PFOA)	**2.8**		1.8	0.75	ng/L		07/13/21 04:51	07/16/21 15:00	1
Perfluorononanoic acid (PFNA)	**0.49**	**J**	1.8	0.24	ng/L		07/13/21 04:51	07/16/21 15:00	1
Perfluorodecanoic acid (PFDA)	**0.54**	**J**	1.8	0.27	ng/L		07/13/21 04:51	07/16/21 15:00	1
Perfluoroundecanoic acid (PFUnA)	<0.97		1.8	0.97	ng/L		07/13/21 04:51	07/16/21 15:00	1
Perfluorododecanoic acid (PFDoA)	<0.49		1.8	0.49	ng/L		07/13/21 04:51	07/16/21 15:00	1
Perfluorotridecanoic acid (PFTrDA)	<1.1		1.8	1.1	ng/L		07/13/21 04:51	07/16/21 15:00	1
Perfluorotetradecanoic acid (PFTeA)	<0.64		1.8	0.64	ng/L		07/13/21 04:51	07/16/21 15:00	1
Perfluorobutanesulfonic acid (PFBS)	**0.83**	**J**	1.8	0.18	ng/L		07/13/21 04:51	07/16/21 15:00	1
Perfluoropentanesulfonic acid (PFPeS)	<0.26		1.8	0.26	ng/L		07/13/21 04:51	07/16/21 15:00	1
Perfluorohexanesulfonic acid (PFHxS)	**1.5**	**J**	1.8	0.50	ng/L		07/13/21 04:51	07/16/21 15:00	1
Perfluoroheptanesulfonic Acid (PFHpS)	**0.45**	**J**	1.8	0.17	ng/L		07/13/21 04:51	07/16/21 15:00	1
Perfluorooctanesulfonic acid (PFOS)	**37**		1.8	0.48	ng/L		07/13/21 04:51	07/16/21 15:00	1
Perfluorononanesulfonic acid (PFNS)	<0.33		1.8	0.33	ng/L		07/13/21 04:51	07/16/21 15:00	1
Perfluorodecanesulfonic acid (PFDS)	<0.28		1.8	0.28	ng/L		07/13/21 04:51	07/16/21 15:00	1
Perfluorododecanesulfonic acid (PFDoS)	<0.86	*1	1.8	0.86	ng/L		07/13/21 04:51	07/16/21 15:00	1
Perfluorooctanesulfonamide (FOSA)	<0.86		1.8	0.86	ng/L		07/13/21 04:51	07/16/21 15:00	1
NEtFOSA	<0.77		1.8	0.77	ng/L		07/13/21 04:51	07/16/21 15:00	1
NMeFOSA	<0.38		1.8	0.38	ng/L		07/13/21 04:51	07/16/21 15:00	1
NMeFOSAA	<1.1		4.4	1.1	ng/L		07/13/21 04:51	07/16/21 15:00	1
NEtFOSAA	<1.1		4.4	1.1	ng/L		07/13/21 04:51	07/16/21 15:00	1
NMeFOSE	<1.2		3.5	1.2	ng/L		07/13/21 04:51	07/16/21 15:00	1
NEtFOSE	<0.75		1.8	0.75	ng/L		07/13/21 04:51	07/16/21 15:00	1
4:2 FTS	<0.21		1.8	0.21	ng/L		07/13/21 04:51	07/16/21 15:00	1
6:2 FTS	<2.2		4.4	2.2	ng/L		07/13/21 04:51	07/16/21 15:00	1
8:2 FTS	<0.41		1.8	0.41	ng/L		07/13/21 04:51	07/16/21 15:00	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.35		1.8	0.35	ng/L		07/13/21 04:51	07/16/21 15:00	1
HFPO-DA (GenX)	<1.3		3.5	1.3	ng/L		07/13/21 04:51	07/16/21 15:00	1
9Cl-PF3ONS	<0.21		1.8	0.21	ng/L		07/13/21 04:51	07/16/21 15:00	1
11Cl-PF3OUdS	<0.28		1.8	0.28	ng/L		07/13/21 04:51	07/16/21 15:00	1

Client Sample ID: WEST SUMP
Lab Sample ID: 500-202086-3

Date Collected: 07/07/21 11:45
Matrix: Water
Date Received: 07/09/21 09:30

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	82		25 - 150	07/13/21 04:51	07/16/21 15:00	1
13C5 PFPeA	96		25 - 150	07/13/21 04:51	07/16/21 15:00	1
13C2 PFHxA	105		25 - 150	07/13/21 04:51	07/16/21 15:00	1
13C4 PFHpA	109		25 - 150	07/13/21 04:51	07/16/21 15:00	1
13C4 PFOA	111		25 - 150	07/13/21 04:51	07/16/21 15:00	1
13C5 PFNA	102		25 - 150	07/13/21 04:51	07/16/21 15:00	1
13C2 PFDA	103		25 - 150	07/13/21 04:51	07/16/21 15:00	1
13C2 PFUnA	107		25 - 150	07/13/21 04:51	07/16/21 15:00	1
13C2 PFDoA	101		25 - 150	07/13/21 04:51	07/16/21 15:00	1
13C2 PFTeDA	84		25 - 150	07/13/21 04:51	07/16/21 15:00	1
13C3 PFBS	117		25 - 150	07/13/21 04:51	07/16/21 15:00	1
18O2 PFHxS	101		25 - 150	07/13/21 04:51	07/16/21 15:00	1
13C4 PFOS	102		25 - 150	07/13/21 04:51	07/16/21 15:00	1
13C8 FOSA	101		10 - 150	07/13/21 04:51	07/16/21 15:00	1
d3-NMeFOSAA	90		25 - 150	07/13/21 04:51	07/16/21 15:00	1
d5-NEtFOSAA	93		25 - 150	07/13/21 04:51	07/16/21 15:00	1
d-N-MeFOSA-M	90		10 - 150	07/13/21 04:51	07/16/21 15:00	1
d-N-EtFOSA-M	80		10 - 150	07/13/21 04:51	07/16/21 15:00	1
d7-N-MeFOSE-M	76		10 - 150	07/13/21 04:51	07/16/21 15:00	1
d9-N-EtFOSE-M	80		10 - 150	07/13/21 04:51	07/16/21 15:00	1
M2-4:2 FTS	167	*5+	25 - 150	07/13/21 04:51	07/16/21 15:00	1
M2-6:2 FTS	196	*5+	25 - 150	07/13/21 04:51	07/16/21 15:00	1
M2-8:2 FTS	169	*5+	25 - 150	07/13/21 04:51	07/16/21 15:00	1
13C3 HFPO-DA	104		25 - 150	07/13/21 04:51	07/16/21 15:00	1
13C2 10:2 FTS	134		25 - 150	07/13/21 04:51	07/16/21 15:00	1

Method: 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.79**	**J**	1.0	0.23	ug/L		08/04/21 07:41	08/05/21 15:08	1
Barium	**28**		2.5	0.73	ug/L		08/04/21 07:41	08/05/21 15:08	1
Cadmium	<0.17		0.50	0.17	ug/L		08/04/21 07:41	08/05/21 15:08	1
Chromium	<1.1		5.0	1.1	ug/L		08/04/21 07:41	08/05/21 15:08	1
Lead	**0.29**	**J**	0.50	0.19	ug/L		08/04/21 07:41	08/05/21 15:08	1
Selenium	<0.98		2.5	0.98	ug/L		08/04/21 07:41	08/05/21 15:08	1
Silver	<0.12		0.50	0.12	ug/L		08/04/21 07:41	08/05/21 15:08	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.28**	**J**	1.0	0.23	ug/L		07/13/21 08:27	07/13/21 19:08	1
Barium	**24**		2.5	0.73	ug/L		07/13/21 08:27	07/13/21 19:08	1
Cadmium	<0.17		0.50	0.17	ug/L		07/13/21 08:27	07/13/21 19:08	1
Chromium	<1.1		5.0	1.1	ug/L		07/13/21 08:27	07/13/21 19:08	1
Lead	<0.19		0.50	0.19	ug/L		07/13/21 08:27	07/13/21 19:08	1
Selenium	<0.98		2.5	0.98	ug/L		07/13/21 08:27	07/13/21 19:08	1
Silver	<0.12		0.50	0.12	ug/L		07/13/21 08:27	07/13/21 19:08	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.098	H	0.20	0.098	ug/L		08/04/21 09:40	08/05/21 08:01	1

Client: Ramboll US Corporation
Job ID: 500-202086-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: WEST SUMP
Lab Sample ID: 500-202086-3
Date Collected: 07/07/21 11:45
Matrix: Water
Date Received: 07/09/21 09:30

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.098		0.20	0.098	ug/L		07/12/21 09:20	07/13/21 08:43	1

Client: Ramboll US Corporation
Project/Site: Former Mirro 20 - Chilton 1690019558

Job ID: 500-202086-1

Client Sample ID: FB-01
Date Collected: 07/07/21 12:00
Date Received: 07/09/21 09:30

Lab Sample ID: 500-202086-4
Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.0		4.3	2.0	ng/L		07/13/21 04:51	07/16/21 15:10	1
Perfluoropentanoic acid (PFPeA)	<0.42		1.7	0.42	ng/L		07/13/21 04:51	07/16/21 15:10	1
Perfluorohexanoic acid (PFHxA)	<0.49		1.7	0.49	ng/L		07/13/21 04:51	07/16/21 15:10	1
Perfluoroheptanoic acid (PFHpA)	<0.21		1.7	0.21	ng/L		07/13/21 04:51	07/16/21 15:10	1
Perfluorooctanoic acid (PFOA)	<0.72		1.7	0.72	ng/L		07/13/21 04:51	07/16/21 15:10	1
Perfluorononanoic acid (PFNA)	<0.23		1.7	0.23	ng/L		07/13/21 04:51	07/16/21 15:10	1
Perfluorodecanoic acid (PFDA)	<0.26		1.7	0.26	ng/L		07/13/21 04:51	07/16/21 15:10	1
Perfluoroundecanoic acid (PFUnA)	<0.94		1.7	0.94	ng/L		07/13/21 04:51	07/16/21 15:10	1
Perfluorododecanoic acid (PFDoA)	<0.47		1.7	0.47	ng/L		07/13/21 04:51	07/16/21 15:10	1
Perfluorotridecanoic acid (PFTrDA)	<1.1		1.7	1.1	ng/L		07/13/21 04:51	07/16/21 15:10	1
Perfluorotetradecanoic acid (PFTeA)	<0.62		1.7	0.62	ng/L		07/13/21 04:51	07/16/21 15:10	1
Perfluorobutanesulfonic acid (PFBS)	<0.17		1.7	0.17	ng/L		07/13/21 04:51	07/16/21 15:10	1
Perfluoropentanesulfonic acid (PFPeS)	<0.26		1.7	0.26	ng/L		07/13/21 04:51	07/16/21 15:10	1
Perfluorohexanesulfonic acid (PFHxS)	<0.49		1.7	0.49	ng/L		07/13/21 04:51	07/16/21 15:10	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.16		1.7	0.16	ng/L		07/13/21 04:51	07/16/21 15:10	1
Perfluorooctanesulfonic acid (PFOS)	<0.46		1.7	0.46	ng/L		07/13/21 04:51	07/16/21 15:10	1
Perfluorononanesulfonic acid (PFNS)	<0.31		1.7	0.31	ng/L		07/13/21 04:51	07/16/21 15:10	1
Perfluorodecanesulfonic acid (PFDS)	<0.27		1.7	0.27	ng/L		07/13/21 04:51	07/16/21 15:10	1
Perfluorododecanesulfonic acid (PFDoS)	<0.83	*1	1.7	0.83	ng/L		07/13/21 04:51	07/16/21 15:10	1
Perfluorooctanesulfonamide (FOSA)	<0.83		1.7	0.83	ng/L		07/13/21 04:51	07/16/21 15:10	1
NEtFOSA	<0.74		1.7	0.74	ng/L		07/13/21 04:51	07/16/21 15:10	1
NMeFOSA	<0.37		1.7	0.37	ng/L		07/13/21 04:51	07/16/21 15:10	1
NMeFOSAA	<1.0		4.3	1.0	ng/L		07/13/21 04:51	07/16/21 15:10	1
NEtFOSAA	<1.1		4.3	1.1	ng/L		07/13/21 04:51	07/16/21 15:10	1
NMeFOSE	<1.2		3.4	1.2	ng/L		07/13/21 04:51	07/16/21 15:10	1
NEtFOSE	<0.72		1.7	0.72	ng/L		07/13/21 04:51	07/16/21 15:10	1
4:2 FTS	<0.20		1.7	0.20	ng/L		07/13/21 04:51	07/16/21 15:10	1
6:2 FTS	<2.1		4.3	2.1	ng/L		07/13/21 04:51	07/16/21 15:10	1
8:2 FTS	<0.39		1.7	0.39	ng/L		07/13/21 04:51	07/16/21 15:10	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.34		1.7	0.34	ng/L		07/13/21 04:51	07/16/21 15:10	1
HFPO-DA (GenX)	<1.3		3.4	1.3	ng/L		07/13/21 04:51	07/16/21 15:10	1
9Cl-PF3ONS	<0.20		1.7	0.20	ng/L		07/13/21 04:51	07/16/21 15:10	1
11Cl-PF3OUdS	<0.27		1.7	0.27	ng/L		07/13/21 04:51	07/16/21 15:10	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*91*		*25 - 150*	*07/13/21 04:51*	*07/16/21 15:10*	*1*
13C5 PFPeA	*89*		*25 - 150*	*07/13/21 04:51*	*07/16/21 15:10*	*1*
13C2 PFHxA	*90*		*25 - 150*	*07/13/21 04:51*	*07/16/21 15:10*	*1*
13C4 PFHpA	*93*		*25 - 150*	*07/13/21 04:51*	*07/16/21 15:10*	*1*
13C4 PFOA	*93*		*25 - 150*	*07/13/21 04:51*	*07/16/21 15:10*	*1*
13C5 PFNA	*92*		*25 - 150*	*07/13/21 04:51*	*07/16/21 15:10*	*1*
13C2 PFDA	*86*		*25 - 150*	*07/13/21 04:51*	*07/16/21 15:10*	*1*
13C2 PFUnA	*85*		*25 - 150*	*07/13/21 04:51*	*07/16/21 15:10*	*1*
13C2 PFDoA	*95*		*25 - 150*	*07/13/21 04:51*	*07/16/21 15:10*	*1*
13C2 PFTeDA	*82*		*25 - 150*	*07/13/21 04:51*	*07/16/21 15:10*	*1*
13C3 PFBS	*101*		*25 - 150*	*07/13/21 04:51*	*07/16/21 15:10*	*1*
18O2 PFHxS	*90*		*25 - 150*	*07/13/21 04:51*	*07/16/21 15:10*	*1*

Client: Ramboll US Corporation
Job ID: 500-202086-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: FB-01
Lab Sample ID: 500-202086-4
Date Collected: 07/07/21 12:00
Matrix: Water
Date Received: 07/09/21 09:30

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFOS	92		25 - 150	07/13/21 04:51	07/16/21 15:10	1
13C8 FOSA	90		10 - 150	07/13/21 04:51	07/16/21 15:10	1
d3-NMeFOSAA	75		25 - 150	07/13/21 04:51	07/16/21 15:10	1
d5-NEtFOSAA	84		25 - 150	07/13/21 04:51	07/16/21 15:10	1
d-N-MeFOSA-M	74		10 - 150	07/13/21 04:51	07/16/21 15:10	1
d-N-EtFOSA-M	73		10 - 150	07/13/21 04:51	07/16/21 15:10	1
d7-N-MeFOSE-M	68		10 - 150	07/13/21 04:51	07/16/21 15:10	1
d9-N-EtFOSE-M	70		10 - 150	07/13/21 04:51	07/16/21 15:10	1
M2-4:2 FTS	81		25 - 150	07/13/21 04:51	07/16/21 15:10	1
M2-6:2 FTS	91		25 - 150	07/13/21 04:51	07/16/21 15:10	1
M2-8:2 FTS	92		25 - 150	07/13/21 04:51	07/16/21 15:10	1
13C3 HFPO-DA	93		25 - 150	07/13/21 04:51	07/16/21 15:10	1
13C2 10:2 FTS	98		25 - 150	07/13/21 04:51	07/16/21 15:10	1

Client: Ramboll US Corporation
Job ID: 500-202086-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: PRE EAST SUMP
Lab Sample ID: 500-202086-5
Date Collected: 07/07/21 12:15
Matrix: Solid
Date Received: 07/09/21 09:30
Percent Solids: 59.9

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<16		28	16	ug/Kg	☼	07/07/21 12:15	07/19/21 18:55	50
Bromobenzene	<40		110	40	ug/Kg	☼	07/07/21 12:15	07/19/21 18:55	50
Bromochloromethane	<48		110	48	ug/Kg	☼	07/07/21 12:15	07/19/21 18:55	50
Bromodichloromethane	<42		110	42	ug/Kg	☼	07/07/21 12:15	07/19/21 18:55	50
Bromoform	<55		110	55	ug/Kg	☼	07/07/21 12:15	07/19/21 18:55	50
Bromomethane	<90	*+	340	90	ug/Kg	☼	07/07/21 12:15	07/19/21 18:55	50
2-Butanone (MEK)	<240		560	240	ug/Kg	☼	07/07/21 12:15	07/19/21 18:55	50
Carbon tetrachloride	<43		110	43	ug/Kg	☼	07/07/21 12:15	07/19/21 18:55	50
Chlorobenzene	<44		110	44	ug/Kg	☼	07/07/21 12:15	07/19/21 18:55	50
Chloroethane	<57	*+	110	57	ug/Kg	☼	07/07/21 12:15	07/19/21 18:55	50
Chloroform	<42		230	42	ug/Kg	☼	07/07/21 12:15	07/19/21 18:55	50
Chloromethane	<36		110	36	ug/Kg	☼	07/07/21 12:15	07/19/21 18:55	50
2-Chlorotoluene	<35		110	35	ug/Kg	☼	07/07/21 12:15	07/19/21 18:55	50
4-Chlorotoluene	<39		110	39	ug/Kg	☼	07/07/21 12:15	07/19/21 18:55	50
cis-1,2-Dichloroethene	<46		110	46	ug/Kg	☼	07/07/21 12:15	07/19/21 18:55	50
cis-1,3-Dichloropropene	<47		110	47	ug/Kg	☼	07/07/21 12:15	07/19/21 18:55	50
Dibromochloromethane	<55		110	55	ug/Kg	☼	07/07/21 12:15	07/19/21 18:55	50
1,2-Dibromo-3-Chloropropane	<220		560	220	ug/Kg	☼	07/07/21 12:15	07/19/21 18:55	50
1,2-Dibromoethane	<44		110	44	ug/Kg	☼	07/07/21 12:15	07/19/21 18:55	50
Dibromomethane	<30		110	30	ug/Kg	☼	07/07/21 12:15	07/19/21 18:55	50
1,2-Dichlorobenzene	<38		110	38	ug/Kg	☼	07/07/21 12:15	07/19/21 18:55	50
1,3-Dichlorobenzene	<45		110	45	ug/Kg	☼	07/07/21 12:15	07/19/21 18:55	50
1,4-Dichlorobenzene	<41		110	41	ug/Kg	☼	07/07/21 12:15	07/19/21 18:55	50
Dichlorodifluoromethane	<76		340	76	ug/Kg	☼	07/07/21 12:15	07/19/21 18:55	50
1,1-Dichloroethane	<46		110	46	ug/Kg	☼	07/07/21 12:15	07/19/21 18:55	50
1,2-Dichloroethane	<44		110	44	ug/Kg	☼	07/07/21 12:15	07/19/21 18:55	50
1,1-Dichloroethene	<44		110	44	ug/Kg	☼	07/07/21 12:15	07/19/21 18:55	50
1,2-Dichloropropane	<48		110	48	ug/Kg	☼	07/07/21 12:15	07/19/21 18:55	50
1,3-Dichloropropane	<41		110	41	ug/Kg	☼	07/07/21 12:15	07/19/21 18:55	50
2,2-Dichloropropane	<50		110	50	ug/Kg	☼	07/07/21 12:15	07/19/21 18:55	50
1,1-Dichloropropene	<34		110	34	ug/Kg	☼	07/07/21 12:15	07/19/21 18:55	50
Ethylbenzene	<21		28	21	ug/Kg	☼	07/07/21 12:15	07/19/21 18:55	50
Hexachlorobutadiene	<50		110	50	ug/Kg	☼	07/07/21 12:15	07/19/21 18:55	50
Isopropylbenzene	<43		110	43	ug/Kg	☼	07/07/21 12:15	07/19/21 18:55	50
Isopropyl ether	<31		110	31	ug/Kg	☼	07/07/21 12:15	07/19/21 18:55	50
Methylene Chloride	<180		560	180	ug/Kg	☼	07/07/21 12:15	07/19/21 18:55	50
Methyl tert-butyl ether	<44		110	44	ug/Kg	☼	07/07/21 12:15	07/19/21 18:55	50
Naphthalene	<38		110	38	ug/Kg	☼	07/07/21 12:15	07/19/21 18:55	50
n-Butylbenzene	<44		110	44	ug/Kg	☼	07/07/21 12:15	07/19/21 18:55	50
N-Propylbenzene	<47		110	47	ug/Kg	☼	07/07/21 12:15	07/19/21 18:55	50
p-Isopropyltoluene	<41		110	41	ug/Kg	☼	07/07/21 12:15	07/19/21 18:55	50
sec-Butylbenzene	<45		110	45	ug/Kg	☼	07/07/21 12:15	07/19/21 18:55	50
Styrene	<44		110	44	ug/Kg	☼	07/07/21 12:15	07/19/21 18:55	50
tert-Butylbenzene	<45		110	45	ug/Kg	☼	07/07/21 12:15	07/19/21 18:55	50
1,1,1,2-Tetrachloroethane	<52		110	52	ug/Kg	☼	07/07/21 12:15	07/19/21 18:55	50
1,1,2,2-Tetrachloroethane	<45		110	45	ug/Kg	☼	07/07/21 12:15	07/19/21 18:55	50
Tetrachloroethene	<42		110	42	ug/Kg	☼	07/07/21 12:15	07/19/21 18:55	50
Toluene	<17		28	17	ug/Kg	☼	07/07/21 12:15	07/19/21 18:55	50
trans-1,2-Dichloroethene	<39		110	39	ug/Kg	☼	07/07/21 12:15	07/19/21 18:55	50

Client Sample ID: PRE EAST SUMP
Lab Sample ID: 500-202086-5

Date Collected: 07/07/21 12:15
Matrix: Solid
Date Received: 07/09/21 09:30
Percent Solids: 59.9

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<41		110	41	ug/Kg	☼	07/07/21 12:15	07/19/21 18:55	50
1,2,3-Trichlorobenzene	<52		110	52	ug/Kg	☼	07/07/21 12:15	07/19/21 18:55	50
1,2,4-Trichlorobenzene	<39		110	39	ug/Kg	☼	07/07/21 12:15	07/19/21 18:55	50
1,1,1-Trichloroethane	<43		110	43	ug/Kg	☼	07/07/21 12:15	07/19/21 18:55	50
1,1,2-Trichloroethane	<40		110	40	ug/Kg	☼	07/07/21 12:15	07/19/21 18:55	50
Trichloroethene	<19		56	19	ug/Kg	☼	07/07/21 12:15	07/19/21 18:55	50
Trichlorofluoromethane	<48		110	48	ug/Kg	☼	07/07/21 12:15	07/19/21 18:55	50
1,2,3-Trichloropropane	<47		230	47	ug/Kg	☼	07/07/21 12:15	07/19/21 18:55	50
1,2,4-Trimethylbenzene	<40		110	40	ug/Kg	☼	07/07/21 12:15	07/19/21 18:55	50
1,3,5-Trimethylbenzene	<43		110	43	ug/Kg	☼	07/07/21 12:15	07/19/21 18:55	50
Vinyl chloride	<30		110	30	ug/Kg	☼	07/07/21 12:15	07/19/21 18:55	50
Xylenes, Total	<25		56	25	ug/Kg	☼	07/07/21 12:15	07/19/21 18:55	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*72 - 124*	*07/07/21 12:15*	*07/19/21 18:55*	*50*
Dibromofluoromethane (Surr)	*108*		*75 - 120*	*07/07/21 12:15*	*07/19/21 18:55*	*50*
1,2-Dichloroethane-d4 (Surr)	*110*		*75 - 126*	*07/07/21 12:15*	*07/19/21 18:55*	*50*
Toluene-d8 (Surr)	*102*		*75 - 120*	*07/07/21 12:15*	*07/19/21 18:55*	*50*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<290		1600	290	ug/Kg	☼	07/19/21 17:06	07/20/21 15:30	10
Acenaphthylene	<210		1600	210	ug/Kg	☼	07/19/21 17:06	07/20/21 15:30	10
Anthracene	<270		1600	270	ug/Kg	☼	07/19/21 17:06	07/20/21 15:30	10
Benzo[a]anthracene	<220		1600	220	ug/Kg	☼	07/19/21 17:06	07/20/21 15:30	10
Benzo[a]pyrene	<310	*3	1600	310	ug/Kg	☼	07/19/21 17:06	07/20/21 15:30	10
Benzo[b]fluoranthene	<350	*3	1600	350	ug/Kg	☼	07/19/21 17:06	07/20/21 15:30	10
Benzo[g,h,i]perylene	<520	*3	1600	520	ug/Kg	☼	07/19/21 17:06	07/20/21 15:30	10
Benzo[k]fluoranthene	<480	*3	1600	480	ug/Kg	☼	07/19/21 17:06	07/20/21 15:30	10
Chrysene	<440		1600	440	ug/Kg	☼	07/19/21 17:06	07/20/21 15:30	10
Dibenz(a,h)anthracene	<310	*3	1600	310	ug/Kg	☼	07/19/21 17:06	07/20/21 15:30	10
Fluoranthene	<300		1600	300	ug/Kg	☼	07/19/21 17:06	07/20/21 15:30	10
Fluorene	<230		1600	230	ug/Kg	☼	07/19/21 17:06	07/20/21 15:30	10
Indeno[1,2,3-cd]pyrene	<420	*3	1600	420	ug/Kg	☼	07/19/21 17:06	07/20/21 15:30	10
Naphthalene	<250		1600	250	ug/Kg	☼	07/19/21 17:06	07/20/21 15:30	10
Phenanthrene	<230		1600	230	ug/Kg	☼	07/19/21 17:06	07/20/21 15:30	10
Pyrene	<320		1600	320	ug/Kg	☼	07/19/21 17:06	07/20/21 15:30	10
1-Methylnaphthalene	<390		3300	390	ug/Kg	☼	07/19/21 17:06	07/20/21 15:30	10
2-Methylnaphthalene	<300		3300	300	ug/Kg	☼	07/19/21 17:06	07/20/21 15:30	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*84*		*37 - 147*	*07/19/21 17:06*	*07/20/21 15:30*	*10*
Terphenyl-d14 (Surr)	*192*	*S1+*	*42 - 157*	*07/19/21 17:06*	*07/20/21 15:30*	*10*
2-Fluorobiphenyl (Surr)	*124*		*43 - 145*	*07/19/21 17:06*	*07/20/21 15:30*	*10*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<82		210	82	ug/Kg	☼	07/20/21 06:29	07/21/21 06:49	5
PCB-1221	<82		210	82	ug/Kg	☼	07/20/21 06:29	07/21/21 06:49	5
PCB-1232	<57		210	57	ug/Kg	☼	07/20/21 06:29	07/21/21 06:49	5

Client: Ramboll US Corporation
Job ID: 500-202086-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: PRE EAST SUMP
Lab Sample ID: 500-202086-5
Date Collected: 07/07/21 12:15
Matrix: Solid
Date Received: 07/09/21 09:30
Percent Solids: 59.9

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1242	<81		210	81	ug/Kg	☼	07/20/21 06:29	07/21/21 06:49	5
PCB-1248	<99		210	99	ug/Kg	☼	07/20/21 06:29	07/21/21 06:49	5
PCB-1254	<71		210	71	ug/Kg	☼	07/20/21 06:29	07/21/21 06:49	5
PCB-1260	<79		210	79	ug/Kg	☼	07/20/21 06:29	07/21/21 06:49	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*98*		*49 - 129*	*07/20/21 06:29*	*07/21/21 06:49*	*5*
DCB Decachlorobiphenyl	*124*	*S1+*	*37 - 121*	*07/20/21 06:29*	*07/21/21 06:49*	*5*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.096**	**J**	0.31	0.044	ug/Kg	☼	07/13/21 19:40	07/15/21 04:08	1
Perfluoropentanoic acid (PFPeA)	<0.12		0.31	0.12	ug/Kg	☼	07/13/21 19:40	07/15/21 04:08	1
Perfluorohexanoic acid (PFHxA)	**0.12**	**J**	0.31	0.065	ug/Kg	☼	07/13/21 19:40	07/15/21 04:08	1
Perfluoroheptanoic acid (PFHpA)	**0.048**	**J**	0.31	0.045	ug/Kg	☼	07/13/21 19:40	07/15/21 04:08	1
Perfluorooctanoic acid (PFOA)	**4.3**		0.31	0.13	ug/Kg	☼	07/13/21 19:40	07/15/21 04:08	1
Perfluorononanoic acid (PFNA)	<0.056		0.31	0.056	ug/Kg	☼	07/13/21 19:40	07/15/21 04:08	1
Perfluorodecanoic acid (PFDA)	<0.034		0.31	0.034	ug/Kg	☼	07/13/21 19:40	07/15/21 04:08	1
Perfluoroundecanoic acid (PFUnA)	<0.056		0.31	0.056	ug/Kg	☼	07/13/21 19:40	07/15/21 04:08	1
Perfluorododecanoic acid (PFDoA)	<0.10		0.31	0.10	ug/Kg	☼	07/13/21 19:40	07/15/21 04:08	1
Perfluorotridecanoic acid (PFTrDA)	<0.079		0.31	0.079	ug/Kg	☼	07/13/21 19:40	07/15/21 04:08	1
Perfluorotetradecanoic acid (PFTeA)	<0.084		0.31	0.084	ug/Kg	☼	07/13/21 19:40	07/15/21 04:08	1
Perfluorobutanesulfonic acid (PFBS)	<0.039		0.31	0.039	ug/Kg	☼	07/13/21 19:40	07/15/21 04:08	1
Perfluoropentanesulfonic acid (PFPeS)	<0.031		0.31	0.031	ug/Kg	☼	07/13/21 19:40	07/15/21 04:08	1
Perfluorohexanesulfonic acid (PFHxS)	**0.059**	**J**	0.31	0.048	ug/Kg	☼	07/13/21 19:40	07/15/21 04:08	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.054		0.31	0.054	ug/Kg	☼	07/13/21 19:40	07/15/21 04:08	1
Perfluorooctanesulfonic acid (PFOS)	**0.82**		0.78	0.31	ug/Kg	☼	07/13/21 19:40	07/15/21 04:08	1
Perfluorononanesulfonic acid (PFNS)	<0.031		0.31	0.031	ug/Kg	☼	07/13/21 19:40	07/15/21 04:08	1
Perfluorodecanesulfonic acid (PFDS)	**0.22**	**J**	0.31	0.061	ug/Kg	☼	07/13/21 19:40	07/15/21 04:08	1
Perfluorododecanesulfonic acid (PFDoS)	<0.093		0.31	0.093	ug/Kg	☼	07/13/21 19:40	07/15/21 04:08	1
Perfluorooctanesulfonamide (FOSA)	<0.13		0.31	0.13	ug/Kg	☼	07/13/21 19:40	07/15/21 04:08	1
NEtFOSA	<0.037		0.31	0.037	ug/Kg	☼	07/13/21 19:40	07/15/21 04:08	1
NMeFOSA	<0.064		0.31	0.064	ug/Kg	☼	07/13/21 19:40	07/15/21 04:08	1
NMeFOSAA	<0.61		3.1	0.61	ug/Kg	☼	07/13/21 19:40	07/15/21 04:08	1
NEtFOSAA	**0.99**	**J**	3.1	0.58	ug/Kg	☼	07/13/21 19:40	07/15/21 04:08	1
NMeFOSE	<0.11		0.31	0.11	ug/Kg	☼	07/13/21 19:40	07/15/21 04:08	1
NEtFOSE	<0.056		0.31	0.056	ug/Kg	☼	07/13/21 19:40	07/15/21 04:08	1
4:2 FTS	<0.58		3.1	0.58	ug/Kg	☼	07/13/21 19:40	07/15/21 04:08	1
6:2 FTS	<0.23		3.1	0.23	ug/Kg	☼	07/13/21 19:40	07/15/21 04:08	1
8:2 FTS	<0.39		3.1	0.39	ug/Kg	☼	07/13/21 19:40	07/15/21 04:08	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.028		0.31	0.028	ug/Kg	☼	07/13/21 19:40	07/15/21 04:08	1
HFPO-DA (GenX)	<0.17		0.39	0.17	ug/Kg	☼	07/13/21 19:40	07/15/21 04:08	1
9Cl-PF3ONS	<0.042		0.31	0.042	ug/Kg	☼	07/13/21 19:40	07/15/21 04:08	1
11Cl-PF3OUdS	<0.034		0.31	0.034	ug/Kg	☼	07/13/21 19:40	07/15/21 04:08	1

Client Sample ID: PRE EAST SUMP
Lab Sample ID: 500-202086-5

Date Collected: 07/07/21 12:15
Matrix: Solid

Date Received: 07/09/21 09:30
Percent Solids: 59.9

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	41		25 - 150	07/13/21 19:40	07/15/21 04:08	1
13C5 PFPeA	58		25 - 150	07/13/21 19:40	07/15/21 04:08	1
13C2 PFHxA	57		25 - 150	07/13/21 19:40	07/15/21 04:08	1
13C4 PFHpA	57		25 - 150	07/13/21 19:40	07/15/21 04:08	1
13C4 PFOA	54		25 - 150	07/13/21 19:40	07/15/21 04:08	1
13C5 PFNA	56		25 - 150	07/13/21 19:40	07/15/21 04:08	1
13C2 PFDA	51		25 - 150	07/13/21 19:40	07/15/21 04:08	1
13C2 PFUnA	50		25 - 150	07/13/21 19:40	07/15/21 04:08	1
13C2 PFDoA	52		25 - 150	07/13/21 19:40	07/15/21 04:08	1
13C2 PFTeDA	42		25 - 150	07/13/21 19:40	07/15/21 04:08	1
13C3 PFBS	59		25 - 150	07/13/21 19:40	07/15/21 04:08	1
18O2 PFHxS	53		25 - 150	07/13/21 19:40	07/15/21 04:08	1
13C4 PFOS	57		25 - 150	07/13/21 19:40	07/15/21 04:08	1
13C8 FOSA	47		10 - 150	07/13/21 19:40	07/15/21 04:08	1
d3-NMeFOSAA	45		25 - 150	07/13/21 19:40	07/15/21 04:08	1
d5-NEtFOSAA	43		25 - 150	07/13/21 19:40	07/15/21 04:08	1
d-N-MeFOSA-M	42		10 - 150	07/13/21 19:40	07/15/21 04:08	1
d-N-EtFOSA-M	43		10 - 150	07/13/21 19:40	07/15/21 04:08	1
d7-N-MeFOSE-M	41		10 - 150	07/13/21 19:40	07/15/21 04:08	1
d9-N-EtFOSE-M	41		10 - 150	07/13/21 19:40	07/15/21 04:08	1
M2-4:2 FTS	110		25 - 150	07/13/21 19:40	07/15/21 04:08	1
M2-6:2 FTS	129		25 - 150	07/13/21 19:40	07/15/21 04:08	1
M2-8:2 FTS	123		25 - 150	07/13/21 19:40	07/15/21 04:08	1
13C3 HFPO-DA	57		25 - 150	07/13/21 19:40	07/15/21 04:08	1
13C2 10:2 FTS	100		25 - 150	07/13/21 19:40	07/15/21 04:08	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**5.4**		1.6	0.53	mg/Kg	☼	07/20/21 17:24	07/21/21 16:14	1
Barium	**530**		1.6	0.18	mg/Kg	☼	07/20/21 17:24	07/21/21 16:14	1
Cadmium	**8.6**	**B**	0.31	0.056	mg/Kg	☼	07/20/21 17:24	07/21/21 16:14	1
Chromium	**670**		7.8	3.9	mg/Kg	☼	07/20/21 17:24	07/22/21 13:43	5
Lead	**2600**		0.78	0.36	mg/Kg	☼	07/20/21 17:24	07/21/21 16:14	1
Selenium	<0.92		1.6	0.92	mg/Kg	☼	07/20/21 17:24	07/21/21 16:14	1
Silver	**2.6**	**J B**	3.9	1.0	mg/Kg	☼	07/20/21 17:24	07/22/21 13:43	5

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**120**		24	8.1	ug/Kg	☼	07/20/21 13:15	07/21/21 08:46	1

Client: Ramboll US Corporation
Project/Site: Former Mirro 20 - Chilton 1690019558

Job ID: 500-202086-1

Client Sample ID: PRE LARGE SUMP
Date Collected: 07/07/21 12:30
Date Received: 07/09/21 09:30

Lab Sample ID: 500-202086-6
Matrix: Solid
Percent Solids: 23.8

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<52		89	52	ug/Kg	☼	07/07/21 12:30	07/19/21 19:21	50
Bromobenzene	<130		360	130	ug/Kg	☼	07/07/21 12:30	07/19/21 19:21	50
Bromochloromethane	<150		360	150	ug/Kg	☼	07/07/21 12:30	07/19/21 19:21	50
Bromodichloromethane	<130		360	130	ug/Kg	☼	07/07/21 12:30	07/19/21 19:21	50
Bromoform	<170		360	170	ug/Kg	☼	07/07/21 12:30	07/19/21 19:21	50
Bromomethane	<280	*+	1100	280	ug/Kg	☼	07/07/21 12:30	07/19/21 19:21	50
2-Butanone (MEK)	<750		1800	750	ug/Kg	☼	07/07/21 12:30	07/19/21 19:21	50
Carbon tetrachloride	<140		360	140	ug/Kg	☼	07/07/21 12:30	07/19/21 19:21	50
Chlorobenzene	<140		360	140	ug/Kg	☼	07/07/21 12:30	07/19/21 19:21	50
Chloroethane	<180	*+	360	180	ug/Kg	☼	07/07/21 12:30	07/19/21 19:21	50
Chloroform	<130		710	130	ug/Kg	☼	07/07/21 12:30	07/19/21 19:21	50
Chloromethane	<110		360	110	ug/Kg	☼	07/07/21 12:30	07/19/21 19:21	50
2-Chlorotoluene	<110		360	110	ug/Kg	☼	07/07/21 12:30	07/19/21 19:21	50
4-Chlorotoluene	<120		360	120	ug/Kg	☼	07/07/21 12:30	07/19/21 19:21	50
cis-1,2-Dichloroethene	<150		360	150	ug/Kg	☼	07/07/21 12:30	07/19/21 19:21	50
cis-1,3-Dichloropropene	<150		360	150	ug/Kg	☼	07/07/21 12:30	07/19/21 19:21	50
Dibromochloromethane	<170		360	170	ug/Kg	☼	07/07/21 12:30	07/19/21 19:21	50
1,2-Dibromo-3-Chloropropane	<710		1800	710	ug/Kg	☼	07/07/21 12:30	07/19/21 19:21	50
1,2-Dibromoethane	<140		360	140	ug/Kg	☼	07/07/21 12:30	07/19/21 19:21	50
Dibromomethane	<96		360	96	ug/Kg	☼	07/07/21 12:30	07/19/21 19:21	50
1,2-Dichlorobenzene	<120		360	120	ug/Kg	☼	07/07/21 12:30	07/19/21 19:21	50
1,3-Dichlorobenzene	<140		360	140	ug/Kg	☼	07/07/21 12:30	07/19/21 19:21	50
1,4-Dichlorobenzene	<130		360	130	ug/Kg	☼	07/07/21 12:30	07/19/21 19:21	50
Dichlorodifluoromethane	<240		1100	240	ug/Kg	☼	07/07/21 12:30	07/19/21 19:21	50
1,1-Dichloroethane	<150		360	150	ug/Kg	☼	07/07/21 12:30	07/19/21 19:21	50
1,2-Dichloroethane	<140		360	140	ug/Kg	☼	07/07/21 12:30	07/19/21 19:21	50
1,1-Dichloroethene	<140		360	140	ug/Kg	☼	07/07/21 12:30	07/19/21 19:21	50
1,2-Dichloropropane	<150		360	150	ug/Kg	☼	07/07/21 12:30	07/19/21 19:21	50
1,3-Dichloropropane	<130		360	130	ug/Kg	☼	07/07/21 12:30	07/19/21 19:21	50
2,2-Dichloropropane	<160		360	160	ug/Kg	☼	07/07/21 12:30	07/19/21 19:21	50
1,1-Dichloropropene	<110		360	110	ug/Kg	☼	07/07/21 12:30	07/19/21 19:21	50
Ethylbenzene	<65		89	65	ug/Kg	☼	07/07/21 12:30	07/19/21 19:21	50
Hexachlorobutadiene	<160		360	160	ug/Kg	☼	07/07/21 12:30	07/19/21 19:21	50
Isopropylbenzene	<140		360	140	ug/Kg	☼	07/07/21 12:30	07/19/21 19:21	50
Isopropyl ether	<98		360	98	ug/Kg	☼	07/07/21 12:30	07/19/21 19:21	50
Methylene Chloride	<580		1800	580	ug/Kg	☼	07/07/21 12:30	07/19/21 19:21	50
Methyl tert-butyl ether	<140		360	140	ug/Kg	☼	07/07/21 12:30	07/19/21 19:21	50
Naphthalene	<120		360	120	ug/Kg	☼	07/07/21 12:30	07/19/21 19:21	50
n-Butylbenzene	<140		360	140	ug/Kg	☼	07/07/21 12:30	07/19/21 19:21	50
N-Propylbenzene	<150		360	150	ug/Kg	☼	07/07/21 12:30	07/19/21 19:21	50
p-Isopropyltoluene	<130		360	130	ug/Kg	☼	07/07/21 12:30	07/19/21 19:21	50
sec-Butylbenzene	<140		360	140	ug/Kg	☼	07/07/21 12:30	07/19/21 19:21	50
Styrene	<140		360	140	ug/Kg	☼	07/07/21 12:30	07/19/21 19:21	50
tert-Butylbenzene	<140		360	140	ug/Kg	☼	07/07/21 12:30	07/19/21 19:21	50
1,1,1,2-Tetrachloroethane	<160		360	160	ug/Kg	☼	07/07/21 12:30	07/19/21 19:21	50
1,1,2,2-Tetrachloroethane	<140		360	140	ug/Kg	☼	07/07/21 12:30	07/19/21 19:21	50
Tetrachloroethene	<130		360	130	ug/Kg	☼	07/07/21 12:30	07/19/21 19:21	50
Toluene	<52		89	52	ug/Kg	☼	07/07/21 12:30	07/19/21 19:21	50
trans-1,2-Dichloroethene	<120		360	120	ug/Kg	☼	07/07/21 12:30	07/19/21 19:21	50

Client Sample ID: PRE LARGE SUMP
Lab Sample ID: 500-202086-6

Date Collected: 07/07/21 12:30
Matrix: Solid
Date Received: 07/09/21 09:30
Percent Solids: 23.8

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<130		360	130	ug/Kg	☼	07/07/21 12:30	07/19/21 19:21	50
1,2,3-Trichlorobenzene	<160		360	160	ug/Kg	☼	07/07/21 12:30	07/19/21 19:21	50
1,2,4-Trichlorobenzene	<120		360	120	ug/Kg	☼	07/07/21 12:30	07/19/21 19:21	50
1,1,1-Trichloroethane	<140		360	140	ug/Kg	☼	07/07/21 12:30	07/19/21 19:21	50
1,1,2-Trichloroethane	<130		360	130	ug/Kg	☼	07/07/21 12:30	07/19/21 19:21	50
Trichloroethene	<58		180	58	ug/Kg	☼	07/07/21 12:30	07/19/21 19:21	50
Trichlorofluoromethane	<150		360	150	ug/Kg	☼	07/07/21 12:30	07/19/21 19:21	50
1,2,3-Trichloropropane	<150		710	150	ug/Kg	☼	07/07/21 12:30	07/19/21 19:21	50
1,2,4-Trimethylbenzene	<130		360	130	ug/Kg	☼	07/07/21 12:30	07/19/21 19:21	50
1,3,5-Trimethylbenzene	<140		360	140	ug/Kg	☼	07/07/21 12:30	07/19/21 19:21	50
Vinyl chloride	<93		360	93	ug/Kg	☼	07/07/21 12:30	07/19/21 19:21	50
Xylenes, Total	<78		180	78	ug/Kg	☼	07/07/21 12:30	07/19/21 19:21	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*72 - 124*	*07/07/21 12:30*	*07/19/21 19:21*	*50*
Dibromofluoromethane (Surr)	*108*		*75 - 120*	*07/07/21 12:30*	*07/19/21 19:21*	*50*
1,2-Dichloroethane-d4 (Surr)	*110*		*75 - 126*	*07/07/21 12:30*	*07/19/21 19:21*	*50*
Toluene-d8 (Surr)	*102*		*75 - 120*	*07/07/21 12:30*	*07/19/21 19:21*	*50*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<72		400	72	ug/Kg	☼	07/19/21 17:06	07/22/21 15:58	1
Acenaphthylene	<53		400	53	ug/Kg	☼	07/19/21 17:06	07/22/21 15:58	1
Anthracene	<67		400	67	ug/Kg	☼	07/19/21 17:06	07/22/21 15:58	1
Benzo[a]anthracene	<54		400	54	ug/Kg	☼	07/19/21 17:06	07/22/21 15:58	1
Benzo[a]pyrene	<77		400	77	ug/Kg	☼	07/19/21 17:06	07/22/21 15:58	1
Benzo[b]fluoranthene	<86		400	86	ug/Kg	☼	07/19/21 17:06	07/22/21 15:58	1
Benzo[g,h,i]perylene	<130		400	130	ug/Kg	☼	07/19/21 17:06	07/22/21 15:58	1
Benzo[k]fluoranthene	<120		400	120	ug/Kg	☼	07/19/21 17:06	07/22/21 15:58	1
Chrysene	<110		400	110	ug/Kg	☼	07/19/21 17:06	07/22/21 15:58	1
Dibenz(a,h)anthracene	<77		400	77	ug/Kg	☼	07/19/21 17:06	07/22/21 15:58	1
Fluoranthene	<74		400	74	ug/Kg	☼	07/19/21 17:06	07/22/21 15:58	1
Fluorene	<56		400	56	ug/Kg	☼	07/19/21 17:06	07/22/21 15:58	1
Indeno[1,2,3-cd]pyrene	<100		400	100	ug/Kg	☼	07/19/21 17:06	07/22/21 15:58	1
Naphthalene	<61		400	61	ug/Kg	☼	07/19/21 17:06	07/22/21 15:58	1
Phenanthrene	<56		400	56	ug/Kg	☼	07/19/21 17:06	07/22/21 15:58	1
Pyrene	<79		400	79	ug/Kg	☼	07/19/21 17:06	07/22/21 15:58	1
1-Methylnaphthalene	<97		810	97	ug/Kg	☼	07/19/21 17:06	07/22/21 15:58	1
2-Methylnaphthalene	<73		810	73	ug/Kg	☼	07/19/21 17:06	07/22/21 15:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*67*		*37 - 147*	*07/19/21 17:06*	*07/22/21 15:58*	*1*
Terphenyl-d14 (Surr)	*86*		*42 - 157*	*07/19/21 17:06*	*07/22/21 15:58*	*1*
2-Fluorobiphenyl (Surr)	*71*		*43 - 145*	*07/19/21 17:06*	*07/22/21 15:58*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<80		200	80	ug/Kg	☼	07/20/21 06:29	07/20/21 17:23	1
PCB-1221	<80		200	80	ug/Kg	☼	07/20/21 06:29	07/20/21 17:23	1
PCB-1232	<55		200	55	ug/Kg	☼	07/20/21 06:29	07/20/21 17:23	1

Client Sample ID: PRE LARGE SUMP
Date Collected: 07/07/21 12:30
Date Received: 07/09/21 09:30

Lab Sample ID: 500-202086-6
Matrix: Solid
Percent Solids: 23.8

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1242	<80		200	80	ug/Kg	☼	07/20/21 06:29	07/20/21 17:23	1
PCB-1248	<97		200	97	ug/Kg	☼	07/20/21 06:29	07/20/21 17:23	1
PCB-1254	<69		200	69	ug/Kg	☼	07/20/21 06:29	07/20/21 17:23	1
PCB-1260	<77		200	77	ug/Kg	☼	07/20/21 06:29	07/20/21 17:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*67*		*49 - 129*	*07/20/21 06:29*	*07/20/21 17:23*	*1*
DCB Decachlorobiphenyl	*57*		*37 - 121*	*07/20/21 06:29*	*07/20/21 17:23*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.35**	**J**	0.80	0.11	ug/Kg	☼	07/13/21 19:40	07/15/21 04:17	1
Perfluoropentanoic acid (PFPeA)	**0.40**	**J**	0.80	0.31	ug/Kg	☼	07/13/21 19:40	07/15/21 04:17	1
Perfluorohexanoic acid (PFHxA)	**0.37**	**J**	0.80	0.17	ug/Kg	☼	07/13/21 19:40	07/15/21 04:17	1
Perfluoroheptanoic acid (PFHpA)	<0.12		0.80	0.12	ug/Kg	☼	07/13/21 19:40	07/15/21 04:17	1
Perfluorooctanoic acid (PFOA)	**0.77**	**J**	0.80	0.34	ug/Kg	☼	07/13/21 19:40	07/15/21 04:17	1
Perfluorononanoic acid (PFNA)	<0.14		0.80	0.14	ug/Kg	☼	07/13/21 19:40	07/15/21 04:17	1
Perfluorodecanoic acid (PFDA)	<0.088		0.80	0.088	ug/Kg	☼	07/13/21 19:40	07/15/21 04:17	1
Perfluoroundecanoic acid (PFUnA)	<0.14		0.80	0.14	ug/Kg	☼	07/13/21 19:40	07/15/21 04:17	1
Perfluorododecanoic acid (PFDoA)	<0.27		0.80	0.27	ug/Kg	☼	07/13/21 19:40	07/15/21 04:17	1
Perfluorotridecanoic acid (PFTrDA)	<0.20		0.80	0.20	ug/Kg	☼	07/13/21 19:40	07/15/21 04:17	1
Perfluorotetradecanoic acid (PFTeA)	<0.21		0.80	0.21	ug/Kg	☼	07/13/21 19:40	07/15/21 04:17	1
Perfluorobutanesulfonic acid (PFBS)	<0.099		0.80	0.099	ug/Kg	☼	07/13/21 19:40	07/15/21 04:17	1
Perfluoropentanesulfonic acid (PFPeS)	<0.080		0.80	0.080	ug/Kg	☼	07/13/21 19:40	07/15/21 04:17	1
Perfluorohexanesulfonic acid (PFHxS)	<0.12		0.80	0.12	ug/Kg	☼	07/13/21 19:40	07/15/21 04:17	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.14		0.80	0.14	ug/Kg	☼	07/13/21 19:40	07/15/21 04:17	1
Perfluorooctanesulfonic acid (PFOS)	**0.85**	**J**	2.0	0.80	ug/Kg	☼	07/13/21 19:40	07/15/21 04:17	1
Perfluorononanesulfonic acid (PFNS)	<0.080		0.80	0.080	ug/Kg	☼	07/13/21 19:40	07/15/21 04:17	1
Perfluorodecanesulfonic acid (PFDS)	<0.16		0.80	0.16	ug/Kg	☼	07/13/21 19:40	07/15/21 04:17	1
Perfluorododecanesulfonic acid (PFDoS)	<0.24		0.80	0.24	ug/Kg	☼	07/13/21 19:40	07/15/21 04:17	1
Perfluorooctanesulfonamide (FOSA)	<0.33		0.80	0.33	ug/Kg	☼	07/13/21 19:40	07/15/21 04:17	1
NEtFOSA	<0.095		0.80	0.095	ug/Kg	☼	07/13/21 19:40	07/15/21 04:17	1
NMeFOSA	<0.16		0.80	0.16	ug/Kg	☼	07/13/21 19:40	07/15/21 04:17	1
NMeFOSAA	<1.6		8.0	1.6	ug/Kg	☼	07/13/21 19:40	07/15/21 04:17	1
NEtFOSAA	<1.5		8.0	1.5	ug/Kg	☼	07/13/21 19:40	07/15/21 04:17	1
NMeFOSE	<0.28		0.80	0.28	ug/Kg	☼	07/13/21 19:40	07/15/21 04:17	1
NEtFOSE	<0.14		0.80	0.14	ug/Kg	☼	07/13/21 19:40	07/15/21 04:17	1
4:2 FTS	<1.5		8.0	1.5	ug/Kg	☼	07/13/21 19:40	07/15/21 04:17	1
6:2 FTS	<0.60		8.0	0.60	ug/Kg	☼	07/13/21 19:40	07/15/21 04:17	1
8:2 FTS	<0.99		8.0	0.99	ug/Kg	☼	07/13/21 19:40	07/15/21 04:17	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.072		0.80	0.072	ug/Kg	☼	07/13/21 19:40	07/15/21 04:17	1
HFPO-DA (GenX)	<0.44		0.99	0.44	ug/Kg	☼	07/13/21 19:40	07/15/21 04:17	1
9Cl-PF3ONS	<0.11		0.80	0.11	ug/Kg	☼	07/13/21 19:40	07/15/21 04:17	1
11Cl-PF3OUdS	<0.088		0.80	0.088	ug/Kg	☼	07/13/21 19:40	07/15/21 04:17	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*37*		*25 - 150*	*07/13/21 19:40*	*07/15/21 04:17*	*1*

Client: Ramboll US Corporation
Project/Site: Former Mirro 20 - Chilton 1690019558

Job ID: 500-202086-1

Client Sample ID: PRE LARGE SUMP

Date Collected: 07/07/21 12:30
Date Received: 07/09/21 09:30

Lab Sample ID: 500-202086-6

Matrix: Solid
Percent Solids: 23.8

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C5 PFPeA	36		25 - 150	07/13/21 19:40	07/15/21 04:17	1
13C2 PFHxA	35		25 - 150	07/13/21 19:40	07/15/21 04:17	1
13C4 PFHpA	38		25 - 150	07/13/21 19:40	07/15/21 04:17	1
13C4 PFOA	35		25 - 150	07/13/21 19:40	07/15/21 04:17	1
13C5 PFNA	39		25 - 150	07/13/21 19:40	07/15/21 04:17	1
13C2 PFDA	39		25 - 150	07/13/21 19:40	07/15/21 04:17	1
13C2 PFUnA	38		25 - 150	07/13/21 19:40	07/15/21 04:17	1
13C2 PFDoA	35		25 - 150	07/13/21 19:40	07/15/21 04:17	1
13C2 PFTeDA	27		25 - 150	07/13/21 19:40	07/15/21 04:17	1
13C3 PFBS	42		25 - 150	07/13/21 19:40	07/15/21 04:17	1
18O2 PFHxS	35		25 - 150	07/13/21 19:40	07/15/21 04:17	1
13C4 PFOS	38		25 - 150	07/13/21 19:40	07/15/21 04:17	1
13C8 FOSA	39		10 - 150	07/13/21 19:40	07/15/21 04:17	1
d3-NMeFOSAA	40		25 - 150	07/13/21 19:40	07/15/21 04:17	1
d5-NEtFOSAA	43		25 - 150	07/13/21 19:40	07/15/21 04:17	1
d-N-MeFOSA-M	35		10 - 150	07/13/21 19:40	07/15/21 04:17	1
d-N-EtFOSA-M	29		10 - 150	07/13/21 19:40	07/15/21 04:17	1
d7-N-MeFOSE-M	25		10 - 150	07/13/21 19:40	07/15/21 04:17	1
d9-N-EtFOSE-M	27		10 - 150	07/13/21 19:40	07/15/21 04:17	1
M2-4:2 FTS	52		25 - 150	07/13/21 19:40	07/15/21 04:17	1
M2-6:2 FTS	62		25 - 150	07/13/21 19:40	07/15/21 04:17	1
M2-8:2 FTS	81		25 - 150	07/13/21 19:40	07/15/21 04:17	1
13C3 HFPO-DA	37		25 - 150	07/13/21 19:40	07/15/21 04:17	1
13C2 10:2 FTS	71		25 - 150	07/13/21 19:40	07/15/21 04:17	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	61		4.2	1.4	mg/Kg	☼	07/20/21 17:24	07/21/21 16:17	1
Barium	1500		4.2	0.48	mg/Kg	☼	07/20/21 17:24	07/21/21 16:17	1
Cadmium	1.3	B	0.84	0.15	mg/Kg	☼	07/20/21 17:24	07/21/21 16:17	1
Chromium	120		4.2	2.1	mg/Kg	☼	07/20/21 17:24	07/21/21 16:17	1
Lead	72		2.1	0.97	mg/Kg	☼	07/20/21 17:24	07/21/21 16:17	1
Selenium	7.7		4.2	2.5	mg/Kg	☼	07/20/21 17:24	07/21/21 16:17	1
Silver	6.9	J B	10	2.7	mg/Kg	☼	07/20/21 17:24	07/22/21 13:49	5

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	120		64	21	ug/Kg	☼	07/20/21 13:15	07/21/21 08:47	1

Client: Ramboll US Corporation
Job ID: 500-202086-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: PRE WEST SUMP
Lab Sample ID: 500-202086-7
Date Collected: 07/07/21 12:45
Matrix: Solid
Date Received: 07/09/21 09:30
Percent Solids: 51.9

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<21		36	21	ug/Kg	☼	07/07/21 12:45	07/19/21 19:47	50
Bromobenzene	<52		140	52	ug/Kg	☼	07/07/21 12:45	07/19/21 19:47	50
Bromochloromethane	<62		140	62	ug/Kg	☼	07/07/21 12:45	07/19/21 19:47	50
Bromodichloromethane	<54		140	54	ug/Kg	☼	07/07/21 12:45	07/19/21 19:47	50
Bromoform	<70		140	70	ug/Kg	☼	07/07/21 12:45	07/19/21 19:47	50
Bromomethane	<120	*+	430	120	ug/Kg	☼	07/07/21 12:45	07/19/21 19:47	50
2-Butanone (MEK)	<310		720	310	ug/Kg	☼	07/07/21 12:45	07/19/21 19:47	50
Carbon tetrachloride	<56		140	56	ug/Kg	☼	07/07/21 12:45	07/19/21 19:47	50
Chlorobenzene	<56		140	56	ug/Kg	☼	07/07/21 12:45	07/19/21 19:47	50
Chloroethane	<73	*+	140	73	ug/Kg	☼	07/07/21 12:45	07/19/21 19:47	50
Chloroform	<54		290	54	ug/Kg	☼	07/07/21 12:45	07/19/21 19:47	50
Chloromethane	<46		140	46	ug/Kg	☼	07/07/21 12:45	07/19/21 19:47	50
2-Chlorotoluene	<45		140	45	ug/Kg	☼	07/07/21 12:45	07/19/21 19:47	50
4-Chlorotoluene	<51		140	51	ug/Kg	☼	07/07/21 12:45	07/19/21 19:47	50
cis-1,2-Dichloroethene	<59		140	59	ug/Kg	☼	07/07/21 12:45	07/19/21 19:47	50
cis-1,3-Dichloropropene	<60		140	60	ug/Kg	☼	07/07/21 12:45	07/19/21 19:47	50
Dibromochloromethane	<71		140	71	ug/Kg	☼	07/07/21 12:45	07/19/21 19:47	50
1,2-Dibromo-3-Chloropropane	<290		720	290	ug/Kg	☼	07/07/21 12:45	07/19/21 19:47	50
1,2-Dibromoethane	<56		140	56	ug/Kg	☼	07/07/21 12:45	07/19/21 19:47	50
Dibromomethane	<39		140	39	ug/Kg	☼	07/07/21 12:45	07/19/21 19:47	50
1,2-Dichlorobenzene	<48		140	48	ug/Kg	☼	07/07/21 12:45	07/19/21 19:47	50
1,3-Dichlorobenzene	<58		140	58	ug/Kg	☼	07/07/21 12:45	07/19/21 19:47	50
1,4-Dichlorobenzene	<53		140	53	ug/Kg	☼	07/07/21 12:45	07/19/21 19:47	50
Dichlorodifluoromethane	<98		430	98	ug/Kg	☼	07/07/21 12:45	07/19/21 19:47	50
1,1-Dichloroethane	<59		140	59	ug/Kg	☼	07/07/21 12:45	07/19/21 19:47	50
1,2-Dichloroethane	<57		140	57	ug/Kg	☼	07/07/21 12:45	07/19/21 19:47	50
1,1-Dichloroethene	<56		140	56	ug/Kg	☼	07/07/21 12:45	07/19/21 19:47	50
1,2-Dichloropropane	<62		140	62	ug/Kg	☼	07/07/21 12:45	07/19/21 19:47	50
1,3-Dichloropropane	<52		140	52	ug/Kg	☼	07/07/21 12:45	07/19/21 19:47	50
2,2-Dichloropropane	<64		140	64	ug/Kg	☼	07/07/21 12:45	07/19/21 19:47	50
1,1-Dichloropropene	<43		140	43	ug/Kg	☼	07/07/21 12:45	07/19/21 19:47	50
Ethylbenzene	<26		36	26	ug/Kg	☼	07/07/21 12:45	07/19/21 19:47	50
Hexachlorobutadiene	<65		140	65	ug/Kg	☼	07/07/21 12:45	07/19/21 19:47	50
Isopropylbenzene	<56		140	56	ug/Kg	☼	07/07/21 12:45	07/19/21 19:47	50
Isopropyl ether	<40		140	40	ug/Kg	☼	07/07/21 12:45	07/19/21 19:47	50
Methylene Chloride	<240		720	240	ug/Kg	☼	07/07/21 12:45	07/19/21 19:47	50
Methyl tert-butyl ether	<57		140	57	ug/Kg	☼	07/07/21 12:45	07/19/21 19:47	50
Naphthalene	<48		140	48	ug/Kg	☼	07/07/21 12:45	07/19/21 19:47	50
n-Butylbenzene	<56		140	56	ug/Kg	☼	07/07/21 12:45	07/19/21 19:47	50
N-Propylbenzene	<60		140	60	ug/Kg	☼	07/07/21 12:45	07/19/21 19:47	50
p-Isopropyltoluene	<52		140	52	ug/Kg	☼	07/07/21 12:45	07/19/21 19:47	50
sec-Butylbenzene	<58		140	58	ug/Kg	☼	07/07/21 12:45	07/19/21 19:47	50
Styrene	<56		140	56	ug/Kg	☼	07/07/21 12:45	07/19/21 19:47	50
tert-Butylbenzene	<58		140	58	ug/Kg	☼	07/07/21 12:45	07/19/21 19:47	50
1,1,1,2-Tetrachloroethane	<67		140	67	ug/Kg	☼	07/07/21 12:45	07/19/21 19:47	50
1,1,2,2-Tetrachloroethane	<58		140	58	ug/Kg	☼	07/07/21 12:45	07/19/21 19:47	50
Tetrachloroethene	<54		140	54	ug/Kg	☼	07/07/21 12:45	07/19/21 19:47	50
Toluene	<21		36	21	ug/Kg	☼	07/07/21 12:45	07/19/21 19:47	50
trans-1,2-Dichloroethene	<51		140	51	ug/Kg	☼	07/07/21 12:45	07/19/21 19:47	50

Client: Ramboll US Corporation
Job ID: 500-202086-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: PRE WEST SUMP
Lab Sample ID: 500-202086-7
Date Collected: 07/07/21 12:45
Matrix: Solid
Date Received: 07/09/21 09:30
Percent Solids: 51.9

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<52		140	52	ug/Kg	☼	07/07/21 12:45	07/19/21 19:47	50
1,2,3-Trichlorobenzene	<66		140	66	ug/Kg	☼	07/07/21 12:45	07/19/21 19:47	50
1,2,4-Trichlorobenzene	<49		140	49	ug/Kg	☼	07/07/21 12:45	07/19/21 19:47	50
1,1,1-Trichloroethane	<55		140	55	ug/Kg	☼	07/07/21 12:45	07/19/21 19:47	50
1,1,2-Trichloroethane	<51		140	51	ug/Kg	☼	07/07/21 12:45	07/19/21 19:47	50
Trichloroethene	<24		72	24	ug/Kg	☼	07/07/21 12:45	07/19/21 19:47	50
Trichlorofluoromethane	<62		140	62	ug/Kg	☼	07/07/21 12:45	07/19/21 19:47	50
1,2,3-Trichloropropane	<60		290	60	ug/Kg	☼	07/07/21 12:45	07/19/21 19:47	50
1,2,4-Trimethylbenzene	<52		140	52	ug/Kg	☼	07/07/21 12:45	07/19/21 19:47	50
1,3,5-Trimethylbenzene	<55		140	55	ug/Kg	☼	07/07/21 12:45	07/19/21 19:47	50
Vinyl chloride	<38		140	38	ug/Kg	☼	07/07/21 12:45	07/19/21 19:47	50
Xylenes, Total	**720**		72	32	ug/Kg	☼	07/07/21 12:45	07/19/21 19:47	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*72 - 124*	*07/07/21 12:45*	*07/19/21 19:47*	*50*
Dibromofluoromethane (Surr)	*108*		*75 - 120*	*07/07/21 12:45*	*07/19/21 19:47*	*50*
1,2-Dichloroethane-d4 (Surr)	*110*		*75 - 126*	*07/07/21 12:45*	*07/19/21 19:47*	*50*
Toluene-d8 (Surr)	*100*		*75 - 120*	*07/07/21 12:45*	*07/19/21 19:47*	*50*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<340		1900	340	ug/Kg	☼	07/19/21 17:06	07/22/21 16:19	10
Acenaphthylene	<250		1900	250	ug/Kg	☼	07/19/21 17:06	07/22/21 16:19	10
Anthracene	<310		1900	310	ug/Kg	☼	07/19/21 17:06	07/22/21 16:19	10
Benzo[a]anthracene	**530**	**J**	1900	250	ug/Kg	☼	07/19/21 17:06	07/22/21 16:19	10
Benzo[a]pyrene	**1000**	**J**	1900	360	ug/Kg	☼	07/19/21 17:06	07/22/21 16:19	10
Benzo[b]fluoranthene	**2400**		1900	400	ug/Kg	☼	07/19/21 17:06	07/22/21 16:19	10
Benzo[g,h,i]perylene	**650**	**J**	1900	600	ug/Kg	☼	07/19/21 17:06	07/22/21 16:19	10
Benzo[k]fluoranthene	**580**	**J**	1900	550	ug/Kg	☼	07/19/21 17:06	07/22/21 16:19	10
Chrysene	**1400**	**J**	1900	510	ug/Kg	☼	07/19/21 17:06	07/22/21 16:19	10
Dibenz(a,h)anthracene	<360		1900	360	ug/Kg	☼	07/19/21 17:06	07/22/21 16:19	10
Fluoranthene	**2300**		1900	350	ug/Kg	☼	07/19/21 17:06	07/22/21 16:19	10
Fluorene	<260		1900	260	ug/Kg	☼	07/19/21 17:06	07/22/21 16:19	10
Indeno[1,2,3-cd]pyrene	**680**	**J**	1900	480	ug/Kg	☼	07/19/21 17:06	07/22/21 16:19	10
Naphthalene	<290		1900	290	ug/Kg	☼	07/19/21 17:06	07/22/21 16:19	10
Phenanthrene	**1100**	**J**	1900	260	ug/Kg	☼	07/19/21 17:06	07/22/21 16:19	10
Pyrene	**1800**	**J**	1900	370	ug/Kg	☼	07/19/21 17:06	07/22/21 16:19	10
1-Methylnaphthalene	<460		3800	460	ug/Kg	☼	07/19/21 17:06	07/22/21 16:19	10
2-Methylnaphthalene	<340		3800	340	ug/Kg	☼	07/19/21 17:06	07/22/21 16:19	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*82*		*37 - 147*	*07/19/21 17:06*	*07/22/21 16:19*	*10*
Terphenyl-d14 (Surr)	*90*		*42 - 157*	*07/19/21 17:06*	*07/22/21 16:19*	*10*
2-Fluorobiphenyl (Surr)	*89*		*43 - 145*	*07/19/21 17:06*	*07/22/21 16:19*	*10*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<62		160	62	ug/Kg	☼	07/20/21 06:29	07/21/21 07:05	5
PCB-1221	<62		160	62	ug/Kg	☼	07/20/21 06:29	07/21/21 07:05	5
PCB-1232	<42		160	42	ug/Kg	☼	07/20/21 06:29	07/21/21 07:05	5

Client Sample ID: PRE WEST SUMP
Lab Sample ID: 500-202086-7

Date Collected: 07/07/21 12:45
Matrix: Solid

Date Received: 07/09/21 09:30
Percent Solids: 51.9

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1242	<61		160	61	ug/Kg	☼	07/20/21 06:29	07/21/21 07:05	5
PCB-1248	<75		160	75	ug/Kg	☼	07/20/21 06:29	07/21/21 07:05	5
PCB-1254	<53		160	53	ug/Kg	☼	07/20/21 06:29	07/21/21 07:05	5
PCB-1260	<59		160	59	ug/Kg	☼	07/20/21 06:29	07/21/21 07:05	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*79*		*49 - 129*	*07/20/21 06:29*	*07/21/21 07:05*	*5*
DCB Decachlorobiphenyl	*1677*	*S1+*	*37 - 121*	*07/20/21 06:29*	*07/21/21 07:05*	*5*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<0.053		0.38	0.053	ug/Kg	☼	07/13/21 19:40	07/15/21 04:26	1
Perfluoropentanoic acid (PFPeA)	<0.15		0.38	0.15	ug/Kg	☼	07/13/21 19:40	07/15/21 04:26	1
Perfluorohexanoic acid (PFHxA)	<0.080		0.38	0.080	ug/Kg	☼	07/13/21 19:40	07/15/21 04:26	1
Perfluoroheptanoic acid (PFHpA)	<0.055		0.38	0.055	ug/Kg	☼	07/13/21 19:40	07/15/21 04:26	1
Perfluorooctanoic acid (PFOA)	**0.31**	**J**	0.38	0.16	ug/Kg	☼	07/13/21 19:40	07/15/21 04:26	1
Perfluorononanoic acid (PFNA)	<0.068		0.38	0.068	ug/Kg	☼	07/13/21 19:40	07/15/21 04:26	1
Perfluorodecanoic acid (PFDA)	**0.046**	**J**	0.38	0.042	ug/Kg	☼	07/13/21 19:40	07/15/21 04:26	1
Perfluoroundecanoic acid (PFUnA)	<0.068		0.38	0.068	ug/Kg	☼	07/13/21 19:40	07/15/21 04:26	1
Perfluorododecanoic acid (PFDoA)	<0.13		0.38	0.13	ug/Kg	☼	07/13/21 19:40	07/15/21 04:26	1
Perfluorotridecanoic acid (PFTrDA)	<0.097		0.38	0.097	ug/Kg	☼	07/13/21 19:40	07/15/21 04:26	1
Perfluorotetradecanoic acid (PFTeA)	<0.10		0.38	0.10	ug/Kg	☼	07/13/21 19:40	07/15/21 04:26	1
Perfluorobutanesulfonic acid (PFBS)	<0.047		0.38	0.047	ug/Kg	☼	07/13/21 19:40	07/15/21 04:26	1
Perfluoropentanesulfonic acid (PFPeS)	<0.038		0.38	0.038	ug/Kg	☼	07/13/21 19:40	07/15/21 04:26	1
Perfluorohexanesulfonic acid (PFHxS)	<0.059		0.38	0.059	ug/Kg	☼	07/13/21 19:40	07/15/21 04:26	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.066		0.38	0.066	ug/Kg	☼	07/13/21 19:40	07/15/21 04:26	1
Perfluorooctanesulfonic acid (PFOS)	**0.87**	**J I**	0.95	0.38	ug/Kg	☼	07/13/21 19:40	07/15/21 04:26	1
Perfluorononanesulfonic acid (PFNS)	<0.038		0.38	0.038	ug/Kg	☼	07/13/21 19:40	07/15/21 04:26	1
Perfluorodecanesulfonic acid (PFDS)	<0.074		0.38	0.074	ug/Kg	☼	07/13/21 19:40	07/15/21 04:26	1
Perfluorododecanesulfonic acid (PFDoS)	<0.11		0.38	0.11	ug/Kg	☼	07/13/21 19:40	07/15/21 04:26	1
Perfluorooctanesulfonamide (FOSA)	**0.33**	**J**	0.38	0.16	ug/Kg	☼	07/13/21 19:40	07/15/21 04:26	1
NEtFOSA	<0.045		0.38	0.045	ug/Kg	☼	07/13/21 19:40	07/15/21 04:26	1
NMeFOSA	<0.078		0.38	0.078	ug/Kg	☼	07/13/21 19:40	07/15/21 04:26	1
NMeFOSAA	<0.74		3.8	0.74	ug/Kg	☼	07/13/21 19:40	07/15/21 04:26	1
NEtFOSAA	<0.70		3.8	0.70	ug/Kg	☼	07/13/21 19:40	07/15/21 04:26	1
NMeFOSE	<0.13		0.38	0.13	ug/Kg	☼	07/13/21 19:40	07/15/21 04:26	1
NEtFOSE	<0.068		0.38	0.068	ug/Kg	☼	07/13/21 19:40	07/15/21 04:26	1
4:2 FTS	<0.70		3.8	0.70	ug/Kg	☼	07/13/21 19:40	07/15/21 04:26	1
6:2 FTS	<0.28		3.8	0.28	ug/Kg	☼	07/13/21 19:40	07/15/21 04:26	1
8:2 FTS	<0.47		3.8	0.47	ug/Kg	☼	07/13/21 19:40	07/15/21 04:26	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.034		0.38	0.034	ug/Kg	☼	07/13/21 19:40	07/15/21 04:26	1
HFPO-DA (GenX)	<0.21		0.47	0.21	ug/Kg	☼	07/13/21 19:40	07/15/21 04:26	1
9Cl-PF3ONS	<0.051		0.38	0.051	ug/Kg	☼	07/13/21 19:40	07/15/21 04:26	1
11Cl-PF3OUdS	<0.042		0.38	0.042	ug/Kg	☼	07/13/21 19:40	07/15/21 04:26	1

Client: Ramboll US Corporation
Job ID: 500-202086-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: PRE WEST SUMP
Lab Sample ID: 500-202086-7

Date Collected: 07/07/21 12:45
Matrix: Solid

Date Received: 07/09/21 09:30
Percent Solids: 51.9

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	39		25 - 150	07/13/21 19:40	07/15/21 04:26	1
13C5 PFPeA	53		25 - 150	07/13/21 19:40	07/15/21 04:26	1
13C2 PFHxA	53		25 - 150	07/13/21 19:40	07/15/21 04:26	1
13C4 PFHpA	55		25 - 150	07/13/21 19:40	07/15/21 04:26	1
13C4 PFOA	53		25 - 150	07/13/21 19:40	07/15/21 04:26	1
13C5 PFNA	55		25 - 150	07/13/21 19:40	07/15/21 04:26	1
13C2 PFDA	52		25 - 150	07/13/21 19:40	07/15/21 04:26	1
13C2 PFUnA	54		25 - 150	07/13/21 19:40	07/15/21 04:26	1
13C2 PFDoA	45		25 - 150	07/13/21 19:40	07/15/21 04:26	1
13C2 PFTeDA	41		25 - 150	07/13/21 19:40	07/15/21 04:26	1
13C3 PFBS	56		25 - 150	07/13/21 19:40	07/15/21 04:26	1
18O2 PFHxS	50		25 - 150	07/13/21 19:40	07/15/21 04:26	1
13C4 PFOS	57		25 - 150	07/13/21 19:40	07/15/21 04:26	1
13C8 FOSA	53		10 - 150	07/13/21 19:40	07/15/21 04:26	1
d3-NMeFOSAA	51		25 - 150	07/13/21 19:40	07/15/21 04:26	1
d5-NEtFOSAA	49		25 - 150	07/13/21 19:40	07/15/21 04:26	1
d-N-MeFOSA-M	48		10 - 150	07/13/21 19:40	07/15/21 04:26	1
d-N-EtFOSA-M	42		10 - 150	07/13/21 19:40	07/15/21 04:26	1
d7-N-MeFOSE-M	40		10 - 150	07/13/21 19:40	07/15/21 04:26	1
d9-N-EtFOSE-M	40		10 - 150	07/13/21 19:40	07/15/21 04:26	1
M2-4:2 FTS	95		25 - 150	07/13/21 19:40	07/15/21 04:26	1
M2-6:2 FTS	126		25 - 150	07/13/21 19:40	07/15/21 04:26	1
M2-8:2 FTS	113		25 - 150	07/13/21 19:40	07/15/21 04:26	1
13C3 HFPO-DA	54		25 - 150	07/13/21 19:40	07/15/21 04:26	1
13C2 10:2 FTS	85		25 - 150	07/13/21 19:40	07/15/21 04:26	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	16		9.5	3.3	mg/Kg	☼	07/20/21 17:24	07/22/21 13:52	5
Barium	530		1.9	0.22	mg/Kg	☼	07/20/21 17:24	07/21/21 16:20	1
Cadmium	15	B	0.38	0.069	mg/Kg	☼	07/20/21 17:24	07/21/21 16:20	1
Chromium	160		1.9	0.94	mg/Kg	☼	07/20/21 17:24	07/21/21 16:20	1
Lead	82		4.8	2.2	mg/Kg	☼	07/20/21 17:24	07/22/21 13:52	5
Selenium	2.7		1.9	1.1	mg/Kg	☼	07/20/21 17:24	07/21/21 16:20	1
Silver	4.1	J	4.8	1.2	mg/Kg	☼	07/20/21 17:24	07/22/21 13:52	5

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	95		29	9.6	ug/Kg	☼	07/20/21 13:15	07/21/21 08:49	1

Client: Ramboll US Corporation
Job ID: 500-202086-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: TS-01
Lab Sample ID: 500-202086-8
Date Collected: 07/08/21 08:20
Matrix: Solid
Date Received: 07/09/21 09:30
Percent Solids: 89.8

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<8.9		15	8.9	ug/Kg	☼	07/08/21 08:20	07/19/21 20:14	50
Bromobenzene	<22		61	22	ug/Kg	☼	07/08/21 08:20	07/19/21 20:14	50
Bromochloromethane	<26		61	26	ug/Kg	☼	07/08/21 08:20	07/19/21 20:14	50
Bromodichloromethane	<23		61	23	ug/Kg	☼	07/08/21 08:20	07/19/21 20:14	50
Bromoform	<29		61	29	ug/Kg	☼	07/08/21 08:20	07/19/21 20:14	50
Bromomethane	<48	*+ F1	180	48	ug/Kg	☼	07/08/21 08:20	07/19/21 20:14	50
2-Butanone (MEK)	<130		300	130	ug/Kg	☼	07/08/21 08:20	07/19/21 20:14	50
Carbon tetrachloride	<23		61	23	ug/Kg	☼	07/08/21 08:20	07/19/21 20:14	50
Chlorobenzene	<23		61	23	ug/Kg	☼	07/08/21 08:20	07/19/21 20:14	50
Chloroethane	<31	*+ F1	61	31	ug/Kg	☼	07/08/21 08:20	07/19/21 20:14	50
Chloroform	<23		120	23	ug/Kg	☼	07/08/21 08:20	07/19/21 20:14	50
Chloromethane	<19		61	19	ug/Kg	☼	07/08/21 08:20	07/19/21 20:14	50
2-Chlorotoluene	<19		61	19	ug/Kg	☼	07/08/21 08:20	07/19/21 20:14	50
4-Chlorotoluene	<21		61	21	ug/Kg	☼	07/08/21 08:20	07/19/21 20:14	50
cis-1,2-Dichloroethene	<25		61	25	ug/Kg	☼	07/08/21 08:20	07/19/21 20:14	50
cis-1,3-Dichloropropene	<25		61	25	ug/Kg	☼	07/08/21 08:20	07/19/21 20:14	50
Dibromochloromethane	<30		61	30	ug/Kg	☼	07/08/21 08:20	07/19/21 20:14	50
1,2-Dibromo-3-Chloropropane	<120		300	120	ug/Kg	☼	07/08/21 08:20	07/19/21 20:14	50
1,2-Dibromoethane	<23		61	23	ug/Kg	☼	07/08/21 08:20	07/19/21 20:14	50
Dibromomethane	<16		61	16	ug/Kg	☼	07/08/21 08:20	07/19/21 20:14	50
1,2-Dichlorobenzene	<20		61	20	ug/Kg	☼	07/08/21 08:20	07/19/21 20:14	50
1,3-Dichlorobenzene	<24		61	24	ug/Kg	☼	07/08/21 08:20	07/19/21 20:14	50
1,4-Dichlorobenzene	<22		61	22	ug/Kg	☼	07/08/21 08:20	07/19/21 20:14	50
Dichlorodifluoromethane	<41		180	41	ug/Kg	☼	07/08/21 08:20	07/19/21 20:14	50
1,1-Dichloroethane	<25		61	25	ug/Kg	☼	07/08/21 08:20	07/19/21 20:14	50
1,2-Dichloroethane	<24		61	24	ug/Kg	☼	07/08/21 08:20	07/19/21 20:14	50
1,1-Dichloroethene	<24		61	24	ug/Kg	☼	07/08/21 08:20	07/19/21 20:14	50
1,2-Dichloropropane	<26		61	26	ug/Kg	☼	07/08/21 08:20	07/19/21 20:14	50
1,3-Dichloropropane	<22		61	22	ug/Kg	☼	07/08/21 08:20	07/19/21 20:14	50
2,2-Dichloropropane	<27		61	27	ug/Kg	☼	07/08/21 08:20	07/19/21 20:14	50
1,1-Dichloropropene	<18		61	18	ug/Kg	☼	07/08/21 08:20	07/19/21 20:14	50
Ethylbenzene	<11		15	11	ug/Kg	☼	07/08/21 08:20	07/19/21 20:14	50
Hexachlorobutadiene	<27		61	27	ug/Kg	☼	07/08/21 08:20	07/19/21 20:14	50
Isopropylbenzene	<23		61	23	ug/Kg	☼	07/08/21 08:20	07/19/21 20:14	50
Isopropyl ether	<17		61	17	ug/Kg	☼	07/08/21 08:20	07/19/21 20:14	50
Methylene Chloride	<99		300	99	ug/Kg	☼	07/08/21 08:20	07/19/21 20:14	50
Methyl tert-butyl ether	<24		61	24	ug/Kg	☼	07/08/21 08:20	07/19/21 20:14	50
Naphthalene	<20		61	20	ug/Kg	☼	07/08/21 08:20	07/19/21 20:14	50
n-Butylbenzene	<24		61	24	ug/Kg	☼	07/08/21 08:20	07/19/21 20:14	50
N-Propylbenzene	<25		61	25	ug/Kg	☼	07/08/21 08:20	07/19/21 20:14	50
p-Isopropyltoluene	<22		61	22	ug/Kg	☼	07/08/21 08:20	07/19/21 20:14	50
sec-Butylbenzene	<24		61	24	ug/Kg	☼	07/08/21 08:20	07/19/21 20:14	50
Styrene	<23		61	23	ug/Kg	☼	07/08/21 08:20	07/19/21 20:14	50
tert-Butylbenzene	<24		61	24	ug/Kg	☼	07/08/21 08:20	07/19/21 20:14	50
1,1,1,2-Tetrachloroethane	<28		61	28	ug/Kg	☼	07/08/21 08:20	07/19/21 20:14	50
1,1,2,2-Tetrachloroethane	<24		61	24	ug/Kg	☼	07/08/21 08:20	07/19/21 20:14	50
Tetrachloroethene	<23		61	23	ug/Kg	☼	07/08/21 08:20	07/19/21 20:14	50
Toluene	<8.9		15	8.9	ug/Kg	☼	07/08/21 08:20	07/19/21 20:14	50
trans-1,2-Dichloroethene	<21		61	21	ug/Kg	☼	07/08/21 08:20	07/19/21 20:14	50

Client: Ramboll US Corporation
Job ID: 500-202086-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: TS-01
Lab Sample ID: 500-202086-8
Date Collected: 07/08/21 08:20
Matrix: Solid
Date Received: 07/09/21 09:30
Percent Solids: 89.8

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<22		61	22	ug/Kg	☼	07/08/21 08:20	07/19/21 20:14	50
1,2,3-Trichlorobenzene	<28		61	28	ug/Kg	☼	07/08/21 08:20	07/19/21 20:14	50
1,2,4-Trichlorobenzene	<21		61	21	ug/Kg	☼	07/08/21 08:20	07/19/21 20:14	50
1,1,1-Trichloroethane	<23		61	23	ug/Kg	☼	07/08/21 08:20	07/19/21 20:14	50
1,1,2-Trichloroethane	<21		61	21	ug/Kg	☼	07/08/21 08:20	07/19/21 20:14	50
Trichloroethene	<10		30	10	ug/Kg	☼	07/08/21 08:20	07/19/21 20:14	50
Trichlorofluoromethane	<26		61	26	ug/Kg	☼	07/08/21 08:20	07/19/21 20:14	50
1,2,3-Trichloropropane	<25		120	25	ug/Kg	☼	07/08/21 08:20	07/19/21 20:14	50
1,2,4-Trimethylbenzene	<22		61	22	ug/Kg	☼	07/08/21 08:20	07/19/21 20:14	50
1,3,5-Trimethylbenzene	<23		61	23	ug/Kg	☼	07/08/21 08:20	07/19/21 20:14	50
Vinyl chloride	<16		61	16	ug/Kg	☼	07/08/21 08:20	07/19/21 20:14	50
Xylenes, Total	<13		30	13	ug/Kg	☼	07/08/21 08:20	07/19/21 20:14	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*72 - 124*	*07/08/21 08:20*	*07/19/21 20:14*	*50*
Dibromofluoromethane (Surr)	*109*		*75 - 120*	*07/08/21 08:20*	*07/19/21 20:14*	*50*
1,2-Dichloroethane-d4 (Surr)	*108*		*75 - 126*	*07/08/21 08:20*	*07/19/21 20:14*	*50*
Toluene-d8 (Surr)	*103*		*75 - 120*	*07/08/21 08:20*	*07/19/21 20:14*	*50*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<6.6		37	6.6	ug/Kg	☼	07/19/21 17:06	07/20/21 14:19	1
Acenaphthylene	<4.9		37	4.9	ug/Kg	☼	07/19/21 17:06	07/20/21 14:19	1
Anthracene	<6.2		37	6.2	ug/Kg	☼	07/19/21 17:06	07/20/21 14:19	1
Benzo[a]anthracene	<5.0		37	5.0	ug/Kg	☼	07/19/21 17:06	07/20/21 14:19	1
Benzo[a]pyrene	<7.1	*3	37	7.1	ug/Kg	☼	07/19/21 17:06	07/20/21 14:19	1
Benzo[b]fluoranthene	<8.0	*3	37	8.0	ug/Kg	☼	07/19/21 17:06	07/20/21 14:19	1
Benzo[g,h,i]perylene	<12	*3	37	12	ug/Kg	☼	07/19/21 17:06	07/20/21 14:19	1
Benzo[k]fluoranthene	<11	*3	37	11	ug/Kg	☼	07/19/21 17:06	07/20/21 14:19	1
Chrysene	<10		37	10	ug/Kg	☼	07/19/21 17:06	07/20/21 14:19	1
Dibenz(a,h)anthracene	<7.1	*3	37	7.1	ug/Kg	☼	07/19/21 17:06	07/20/21 14:19	1
Fluoranthene	<6.8		37	6.8	ug/Kg	☼	07/19/21 17:06	07/20/21 14:19	1
Fluorene	<5.2		37	5.2	ug/Kg	☼	07/19/21 17:06	07/20/21 14:19	1
Indeno[1,2,3-cd]pyrene	<9.6	*3	37	9.6	ug/Kg	☼	07/19/21 17:06	07/20/21 14:19	1
Naphthalene	<5.7		37	5.7	ug/Kg	☼	07/19/21 17:06	07/20/21 14:19	1
Phenanthrene	<5.1		37	5.1	ug/Kg	☼	07/19/21 17:06	07/20/21 14:19	1
Pyrene	<7.3		37	7.3	ug/Kg	☼	07/19/21 17:06	07/20/21 14:19	1
1-Methylnaphthalene	<9.0		74	9.0	ug/Kg	☼	07/19/21 17:06	07/20/21 14:19	1
2-Methylnaphthalene	<6.8		74	6.8	ug/Kg	☼	07/19/21 17:06	07/20/21 14:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*63*		*37 - 147*	*07/19/21 17:06*	*07/20/21 14:19*	*1*
Terphenyl-d14 (Surr)	*116*		*42 - 157*	*07/19/21 17:06*	*07/20/21 14:19*	*1*
2-Fluorobiphenyl (Surr)	*84*		*43 - 145*	*07/19/21 17:06*	*07/20/21 14:19*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<7.0		18	7.0	ug/Kg	☼	07/20/21 06:29	07/20/21 17:54	1
PCB-1221	<7.0		18	7.0	ug/Kg	☼	07/20/21 06:29	07/20/21 17:54	1
PCB-1232	<4.8		18	4.8	ug/Kg	☼	07/20/21 06:29	07/20/21 17:54	1

Client Sample ID: TS-01
Date Collected: 07/08/21 08:20
Date Received: 07/09/21 09:30

Lab Sample ID: 500-202086-8
Matrix: Solid
Percent Solids: 89.8

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1242	<6.9		18	6.9	ug/Kg	☼	07/20/21 06:29	07/20/21 17:54	1
PCB-1248	<8.4		18	8.4	ug/Kg	☼	07/20/21 06:29	07/20/21 17:54	1
PCB-1254	<6.0		18	6.0	ug/Kg	☼	07/20/21 06:29	07/20/21 17:54	1
PCB-1260	<6.7		18	6.7	ug/Kg	☼	07/20/21 06:29	07/20/21 17:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*70*		*49 - 129*	*07/20/21 06:29*	*07/20/21 17:54*	*1*
DCB Decachlorobiphenyl	*50*		*37 - 121*	*07/20/21 06:29*	*07/20/21 17:54*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<0.031		0.22	0.031	ug/Kg	☼	07/13/21 19:40	07/15/21 04:35	1
Perfluoropentanoic acid (PFPeA)	<0.085		0.22	0.085	ug/Kg	☼	07/13/21 19:40	07/15/21 04:35	1
Perfluorohexanoic acid (PFHxA)	**0.046**	**J**	0.22	0.046	ug/Kg	☼	07/13/21 19:40	07/15/21 04:35	1
Perfluoroheptanoic acid (PFHpA)	<0.032		0.22	0.032	ug/Kg	☼	07/13/21 19:40	07/15/21 04:35	1
Perfluorooctanoic acid (PFOA)	**0.16**	**J**	0.22	0.095	ug/Kg	☼	07/13/21 19:40	07/15/21 04:35	1
Perfluorononanoic acid (PFNA)	<0.040		0.22	0.040	ug/Kg	☼	07/13/21 19:40	07/15/21 04:35	1
Perfluorodecanoic acid (PFDA)	<0.024		0.22	0.024	ug/Kg	☼	07/13/21 19:40	07/15/21 04:35	1
Perfluoroundecanoic acid (PFUnA)	<0.040		0.22	0.040	ug/Kg	☼	07/13/21 19:40	07/15/21 04:35	1
Perfluorododecanoic acid (PFDoA)	<0.074		0.22	0.074	ug/Kg	☼	07/13/21 19:40	07/15/21 04:35	1
Perfluorotridecanoic acid (PFTrDA)	<0.056		0.22	0.056	ug/Kg	☼	07/13/21 19:40	07/15/21 04:35	1
Perfluorotetradecanoic acid (PFTeA)	<0.060		0.22	0.060	ug/Kg	☼	07/13/21 19:40	07/15/21 04:35	1
Perfluorobutanesulfonic acid (PFBS)	<0.028		0.22	0.028	ug/Kg	☼	07/13/21 19:40	07/15/21 04:35	1
Perfluoropentanesulfonic acid (PFPeS)	<0.022		0.22	0.022	ug/Kg	☼	07/13/21 19:40	07/15/21 04:35	1
Perfluorohexanesulfonic acid (PFHxS)	<0.034		0.22	0.034	ug/Kg	☼	07/13/21 19:40	07/15/21 04:35	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.039		0.22	0.039	ug/Kg	☼	07/13/21 19:40	07/15/21 04:35	1
Perfluorooctanesulfonic acid (PFOS)	<0.22		0.55	0.22	ug/Kg	☼	07/13/21 19:40	07/15/21 04:35	1
Perfluorononanesulfonic acid (PFNS)	<0.022		0.22	0.022	ug/Kg	☼	07/13/21 19:40	07/15/21 04:35	1
Perfluorodecanesulfonic acid (PFDS)	<0.043		0.22	0.043	ug/Kg	☼	07/13/21 19:40	07/15/21 04:35	1
Perfluorododecanesulfonic acid (PFDoS)	<0.066		0.22	0.066	ug/Kg	☼	07/13/21 19:40	07/15/21 04:35	1
Perfluorooctanesulfonamide (FOSA)	<0.090		0.22	0.090	ug/Kg	☼	07/13/21 19:40	07/15/21 04:35	1
NEtFOSA	<0.026		0.22	0.026	ug/Kg	☼	07/13/21 19:40	07/15/21 04:35	1
NMeFOSA	<0.045		0.22	0.045	ug/Kg	☼	07/13/21 19:40	07/15/21 04:35	1
NMeFOSAA	<0.43		2.2	0.43	ug/Kg	☼	07/13/21 19:40	07/15/21 04:35	1
NEtFOSAA	<0.41		2.2	0.41	ug/Kg	☼	07/13/21 19:40	07/15/21 04:35	1
NMeFOSE	<0.078		0.22	0.078	ug/Kg	☼	07/13/21 19:40	07/15/21 04:35	1
NEtFOSE	<0.040		0.22	0.040	ug/Kg	☼	07/13/21 19:40	07/15/21 04:35	1
4:2 FTS	<0.41		2.2	0.41	ug/Kg	☼	07/13/21 19:40	07/15/21 04:35	1
6:2 FTS	<0.17		2.2	0.17	ug/Kg	☼	07/13/21 19:40	07/15/21 04:35	1
8:2 FTS	<0.28		2.2	0.28	ug/Kg	☼	07/13/21 19:40	07/15/21 04:35	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.020		0.22	0.020	ug/Kg	☼	07/13/21 19:40	07/15/21 04:35	1
HFPO-DA (GenX)	<0.12		0.28	0.12	ug/Kg	☼	07/13/21 19:40	07/15/21 04:35	1
9Cl-PF3ONS	<0.030		0.22	0.030	ug/Kg	☼	07/13/21 19:40	07/15/21 04:35	1
11Cl-PF3OUdS	<0.024		0.22	0.024	ug/Kg	☼	07/13/21 19:40	07/15/21 04:35	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*45*		*25 - 150*	*07/13/21 19:40*	*07/15/21 04:35*	*1*
13C5 PFPeA	*49*		*25 - 150*	*07/13/21 19:40*	*07/15/21 04:35*	*1*

Client: Ramboll US Corporation
Job ID: 500-202086-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: TS-01
Lab Sample ID: 500-202086-8
Date Collected: 07/08/21 08:20
Matrix: Solid
Date Received: 07/09/21 09:30
Percent Solids: 89.8

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C2 PFHxA	*47*		*25 - 150*	*07/13/21 19:40*	*07/15/21 04:35*	*1*
13C4 PFHpA	*50*		*25 - 150*	*07/13/21 19:40*	*07/15/21 04:35*	*1*
13C4 PFOA	*50*		*25 - 150*	*07/13/21 19:40*	*07/15/21 04:35*	*1*
13C5 PFNA	*50*		*25 - 150*	*07/13/21 19:40*	*07/15/21 04:35*	*1*
13C2 PFDA	*48*		*25 - 150*	*07/13/21 19:40*	*07/15/21 04:35*	*1*
13C2 PFUnA	*44*		*25 - 150*	*07/13/21 19:40*	*07/15/21 04:35*	*1*
13C2 PFDoA	*45*		*25 - 150*	*07/13/21 19:40*	*07/15/21 04:35*	*1*
13C2 PFTeDA	*39*		*25 - 150*	*07/13/21 19:40*	*07/15/21 04:35*	*1*
13C3 PFBS	*54*		*25 - 150*	*07/13/21 19:40*	*07/15/21 04:35*	*1*
18O2 PFHxS	*48*		*25 - 150*	*07/13/21 19:40*	*07/15/21 04:35*	*1*
13C4 PFOS	*48*		*25 - 150*	*07/13/21 19:40*	*07/15/21 04:35*	*1*
13C8 FOSA	*52*		*10 - 150*	*07/13/21 19:40*	*07/15/21 04:35*	*1*
d3-NMeFOSAA	*50*		*25 - 150*	*07/13/21 19:40*	*07/15/21 04:35*	*1*
d5-NEtFOSAA	*50*		*25 - 150*	*07/13/21 19:40*	*07/15/21 04:35*	*1*
d-N-MeFOSA-M	*48*		*10 - 150*	*07/13/21 19:40*	*07/15/21 04:35*	*1*
d-N-EtFOSA-M	*47*		*10 - 150*	*07/13/21 19:40*	*07/15/21 04:35*	*1*
d7-N-MeFOSE-M	*28*		*10 - 150*	*07/13/21 19:40*	*07/15/21 04:35*	*1*
d9-N-EtFOSE-M	*30*		*10 - 150*	*07/13/21 19:40*	*07/15/21 04:35*	*1*
M2-4:2 FTS	*74*		*25 - 150*	*07/13/21 19:40*	*07/15/21 04:35*	*1*
M2-6:2 FTS	*86*		*25 - 150*	*07/13/21 19:40*	*07/15/21 04:35*	*1*
M2-8:2 FTS	*85*		*25 - 150*	*07/13/21 19:40*	*07/15/21 04:35*	*1*
13C3 HFPO-DA	*48*		*25 - 150*	*07/13/21 19:40*	*07/15/21 04:35*	*1*
13C2 10:2 FTS	*71*		*25 - 150*	*07/13/21 19:40*	*07/15/21 04:35*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.44**	**J**	0.99	0.34	mg/Kg	☼	07/20/21 17:24	07/21/21 16:23	1
Barium	**17**		0.99	0.11	mg/Kg	☼	07/20/21 17:24	07/21/21 16:23	1
Cadmium	**0.098**	**J B**	0.20	0.036	mg/Kg	☼	07/20/21 17:24	07/21/21 16:23	1
Chromium	**5.6**		0.99	0.49	mg/Kg	☼	07/20/21 17:24	07/21/21 16:23	1
Lead	**9.5**		0.50	0.23	mg/Kg	☼	07/20/21 17:24	07/21/21 16:23	1
Selenium	<0.58		0.99	0.58	mg/Kg	☼	07/20/21 17:24	07/21/21 16:23	1
Silver	<0.13		0.50	0.13	mg/Kg	☼	07/20/21 17:24	07/21/21 16:23	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<5.6		17	5.6	ug/Kg	☼	07/20/21 13:15	07/21/21 08:52	1

Client: Ramboll US Corporation
Project/Site: Former Mirro 20 - Chilton 1690019558

Job ID: 500-202086-1

Client Sample ID: TRIP BLANK
Date Collected: 07/07/21 00:00
Date Received: 07/09/21 09:30

Lab Sample ID: 500-202086-9
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			07/19/21 13:35	1
Bromobenzene	<0.36		1.0	0.36	ug/L			07/19/21 13:35	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			07/19/21 13:35	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			07/19/21 13:35	1
Bromoform	<0.48		1.0	0.48	ug/L			07/19/21 13:35	1
Bromomethane	<0.80	*+	3.0	0.80	ug/L			07/19/21 13:35	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			07/19/21 13:35	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			07/19/21 13:35	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			07/19/21 13:35	1
Chloroethane	<0.51	*+	1.0	0.51	ug/L			07/19/21 13:35	1
Chloroform	<0.37		2.0	0.37	ug/L			07/19/21 13:35	1
Chloromethane	<0.32		1.0	0.32	ug/L			07/19/21 13:35	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			07/19/21 13:35	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			07/19/21 13:35	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			07/19/21 13:35	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			07/19/21 13:35	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			07/19/21 13:35	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			07/19/21 13:35	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			07/19/21 13:35	1
Dibromomethane	<0.27		1.0	0.27	ug/L			07/19/21 13:35	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			07/19/21 13:35	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			07/19/21 13:35	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			07/19/21 13:35	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			07/19/21 13:35	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			07/19/21 13:35	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			07/19/21 13:35	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			07/19/21 13:35	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			07/19/21 13:35	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			07/19/21 13:35	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			07/19/21 13:35	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			07/19/21 13:35	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			07/19/21 13:35	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			07/19/21 13:35	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			07/19/21 13:35	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			07/19/21 13:35	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			07/19/21 13:35	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			07/19/21 13:35	1
Naphthalene	<0.34		1.0	0.34	ug/L			07/19/21 13:35	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			07/19/21 13:35	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			07/19/21 13:35	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			07/19/21 13:35	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			07/19/21 13:35	1
Styrene	<0.39		1.0	0.39	ug/L			07/19/21 13:35	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			07/19/21 13:35	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			07/19/21 13:35	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			07/19/21 13:35	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			07/19/21 13:35	1
Toluene	<0.15		0.50	0.15	ug/L			07/19/21 13:35	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			07/19/21 13:35	1

Client: Ramboll US Corporation
Job ID: 500-202086-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: TRIP BLANK
Lab Sample ID: 500-202086-9
Date Collected: 07/07/21 00:00
Matrix: Water
Date Received: 07/09/21 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			07/19/21 13:35	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			07/19/21 13:35	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			07/19/21 13:35	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			07/19/21 13:35	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			07/19/21 13:35	1
Trichloroethene	<0.16		0.50	0.16	ug/L			07/19/21 13:35	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			07/19/21 13:35	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			07/19/21 13:35	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			07/19/21 13:35	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			07/19/21 13:35	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			07/19/21 13:35	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			07/19/21 13:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*72 - 124*		*07/19/21 13:35*	*1*
Dibromofluoromethane (Surr)	*110*		*75 - 120*		*07/19/21 13:35*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*75 - 126*		*07/19/21 13:35*	*1*
Toluene-d8 (Surr)	*102*		*75 - 120*		*07/19/21 13:35*	*1*

Client: Ramboll US Corporation
Job ID: 500-202086-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: TRIP BLANK
Lab Sample ID: 500-202086-10
Date Collected: 07/07/21 00:00
Matrix: Solid
Date Received: 07/09/21 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<7.3		13	7.3	ug/Kg		07/07/21 00:00	07/19/21 14:01	50
Bromobenzene	<18		50	18	ug/Kg		07/07/21 00:00	07/19/21 14:01	50
Bromochloromethane	<21		50	21	ug/Kg		07/07/21 00:00	07/19/21 14:01	50
Bromodichloromethane	<19		50	19	ug/Kg		07/07/21 00:00	07/19/21 14:01	50
Bromoform	<24		50	24	ug/Kg		07/07/21 00:00	07/19/21 14:01	50
Bromomethane	<40	*+	150	40	ug/Kg		07/07/21 00:00	07/19/21 14:01	50
2-Butanone (MEK)	<110		250	110	ug/Kg		07/07/21 00:00	07/19/21 14:01	50
Carbon tetrachloride	<19		50	19	ug/Kg		07/07/21 00:00	07/19/21 14:01	50
Chlorobenzene	<19		50	19	ug/Kg		07/07/21 00:00	07/19/21 14:01	50
Chloroethane	<25	*+	50	25	ug/Kg		07/07/21 00:00	07/19/21 14:01	50
Chloroform	<19		100	19	ug/Kg		07/07/21 00:00	07/19/21 14:01	50
Chloromethane	<16		50	16	ug/Kg		07/07/21 00:00	07/19/21 14:01	50
2-Chlorotoluene	<16		50	16	ug/Kg		07/07/21 00:00	07/19/21 14:01	50
4-Chlorotoluene	<18		50	18	ug/Kg		07/07/21 00:00	07/19/21 14:01	50
cis-1,2-Dichloroethene	<20		50	20	ug/Kg		07/07/21 00:00	07/19/21 14:01	50
cis-1,3-Dichloropropene	<21		50	21	ug/Kg		07/07/21 00:00	07/19/21 14:01	50
Dibromochloromethane	<24		50	24	ug/Kg		07/07/21 00:00	07/19/21 14:01	50
1,2-Dibromo-3-Chloropropane	<100		250	100	ug/Kg		07/07/21 00:00	07/19/21 14:01	50
1,2-Dibromoethane	<19		50	19	ug/Kg		07/07/21 00:00	07/19/21 14:01	50
Dibromomethane	<14		50	14	ug/Kg		07/07/21 00:00	07/19/21 14:01	50
1,2-Dichlorobenzene	<17		50	17	ug/Kg		07/07/21 00:00	07/19/21 14:01	50
1,3-Dichlorobenzene	<20		50	20	ug/Kg		07/07/21 00:00	07/19/21 14:01	50
1,4-Dichlorobenzene	<18		50	18	ug/Kg		07/07/21 00:00	07/19/21 14:01	50
Dichlorodifluoromethane	<34		150	34	ug/Kg		07/07/21 00:00	07/19/21 14:01	50
1,1-Dichloroethane	<21		50	21	ug/Kg		07/07/21 00:00	07/19/21 14:01	50
1,2-Dichloroethane	<20		50	20	ug/Kg		07/07/21 00:00	07/19/21 14:01	50
1,1-Dichloroethene	<20		50	20	ug/Kg		07/07/21 00:00	07/19/21 14:01	50
1,2-Dichloropropane	<21		50	21	ug/Kg		07/07/21 00:00	07/19/21 14:01	50
1,3-Dichloropropane	<18		50	18	ug/Kg		07/07/21 00:00	07/19/21 14:01	50
2,2-Dichloropropane	<22		50	22	ug/Kg		07/07/21 00:00	07/19/21 14:01	50
1,1-Dichloropropene	<15		50	15	ug/Kg		07/07/21 00:00	07/19/21 14:01	50
Ethylbenzene	<9.2		13	9.2	ug/Kg		07/07/21 00:00	07/19/21 14:01	50
Hexachlorobutadiene	<22		50	22	ug/Kg		07/07/21 00:00	07/19/21 14:01	50
Isopropylbenzene	<19		50	19	ug/Kg		07/07/21 00:00	07/19/21 14:01	50
Isopropyl ether	<14		50	14	ug/Kg		07/07/21 00:00	07/19/21 14:01	50
Methylene Chloride	<82		250	82	ug/Kg		07/07/21 00:00	07/19/21 14:01	50
Methyl tert-butyl ether	<20		50	20	ug/Kg		07/07/21 00:00	07/19/21 14:01	50
Naphthalene	<17		50	17	ug/Kg		07/07/21 00:00	07/19/21 14:01	50
n-Butylbenzene	<19		50	19	ug/Kg		07/07/21 00:00	07/19/21 14:01	50
N-Propylbenzene	<21		50	21	ug/Kg		07/07/21 00:00	07/19/21 14:01	50
p-Isopropyltoluene	<18		50	18	ug/Kg		07/07/21 00:00	07/19/21 14:01	50
sec-Butylbenzene	<20		50	20	ug/Kg		07/07/21 00:00	07/19/21 14:01	50
Styrene	<19		50	19	ug/Kg		07/07/21 00:00	07/19/21 14:01	50
tert-Butylbenzene	<20		50	20	ug/Kg		07/07/21 00:00	07/19/21 14:01	50
1,1,1,2-Tetrachloroethane	<23		50	23	ug/Kg		07/07/21 00:00	07/19/21 14:01	50
1,1,2,2-Tetrachloroethane	<20		50	20	ug/Kg		07/07/21 00:00	07/19/21 14:01	50
Tetrachloroethene	<19		50	19	ug/Kg		07/07/21 00:00	07/19/21 14:01	50
Toluene	<7.4		13	7.4	ug/Kg		07/07/21 00:00	07/19/21 14:01	50
trans-1,2-Dichloroethene	<18		50	18	ug/Kg		07/07/21 00:00	07/19/21 14:01	50

Client: Ramboll US Corporation
Job ID: 500-202086-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: TRIP BLANK
Lab Sample ID: 500-202086-10
Date Collected: 07/07/21 00:00
Matrix: Solid
Date Received: 07/09/21 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<18		50	18	ug/Kg		07/07/21 00:00	07/19/21 14:01	50
1,2,3-Trichlorobenzene	<23		50	23	ug/Kg		07/07/21 00:00	07/19/21 14:01	50
1,2,4-Trichlorobenzene	<17		50	17	ug/Kg		07/07/21 00:00	07/19/21 14:01	50
1,1,1-Trichloroethane	<19		50	19	ug/Kg		07/07/21 00:00	07/19/21 14:01	50
1,1,2-Trichloroethane	<18		50	18	ug/Kg		07/07/21 00:00	07/19/21 14:01	50
Trichloroethene	<8.2		25	8.2	ug/Kg		07/07/21 00:00	07/19/21 14:01	50
Trichlorofluoromethane	<21		50	21	ug/Kg		07/07/21 00:00	07/19/21 14:01	50
1,2,3-Trichloropropane	<21		100	21	ug/Kg		07/07/21 00:00	07/19/21 14:01	50
1,2,4-Trimethylbenzene	<18		50	18	ug/Kg		07/07/21 00:00	07/19/21 14:01	50
1,3,5-Trimethylbenzene	<19		50	19	ug/Kg		07/07/21 00:00	07/19/21 14:01	50
Vinyl chloride	<13		50	13	ug/Kg		07/07/21 00:00	07/19/21 14:01	50
Xylenes, Total	<11		25	11	ug/Kg		07/07/21 00:00	07/19/21 14:01	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*72 - 124*	*07/07/21 00:00*	*07/19/21 14:01*	*50*
Dibromofluoromethane (Surr)	*106*		*75 - 120*	*07/07/21 00:00*	*07/19/21 14:01*	*50*
1,2-Dichloroethane-d4 (Surr)	*107*		*75 - 126*	*07/07/21 00:00*	*07/19/21 14:01*	*50*
Toluene-d8 (Surr)	*102*		*75 - 120*	*07/07/21 00:00*	*07/19/21 14:01*	*50*

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.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.
*3	ISTD response or retention time outside acceptable limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.

GC Semi VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.

LCMS

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.
*5+	Isotope dilution analyte is outside acceptance limits, high biased.
I	Value is EMPC (estimated maximum possible concentration).
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.
H	Sample was prepped or analyzed beyond the specified holding time
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.
¤	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

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
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: Ramboll US Corporation
Project/Site: Former Mirro 20 - Chilton 1690019558

Job ID: 500-202086-1

GC/MS VOA

Prep Batch: 608761

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-202086-5	PRE EAST SUMP	Total/NA	Solid	5035	
500-202086-6	PRE LARGE SUMP	Total/NA	Solid	5035	
500-202086-7	PRE WEST SUMP	Total/NA	Solid	5035	
500-202086-8	TS-01	Total/NA	Solid	5035	
500-202086-10	TRIP BLANK	Total/NA	Solid	5035	
LB3 500-608761/17-A	Method Blank	Total/NA	Solid	5035	
LCS 500-608761/18-A	Lab Control Sample	Total/NA	Solid	5035	
500-202086-8 MS	TS-01	Total/NA	Solid	5035	
500-202086-8 MSD	TS-01	Total/NA	Solid	5035	

Analysis Batch: 609467

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB3 500-608761/17-A	Method Blank	Total/NA	Solid	8260B	608761
MB 500-609467/6	Method Blank	Total/NA	Solid	8260B	
LCS 500-609467/28	Lab Control Sample	Total/NA	Solid	8260B	

Analysis Batch: 609670

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-609670/7	Method Blank	Total/NA	Solid	8260B	
LCS 500-608761/18-A	Lab Control Sample	Total/NA	Solid	8260B	608761

Analysis Batch: 609909

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-202086-5	PRE EAST SUMP	Total/NA	Solid	8260B	608761
500-202086-6	PRE LARGE SUMP	Total/NA	Solid	8260B	608761
500-202086-7	PRE WEST SUMP	Total/NA	Solid	8260B	608761
500-202086-8	TS-01	Total/NA	Solid	8260B	608761
500-202086-10	TRIP BLANK	Total/NA	Solid	8260B	608761
MB 500-609909/6	Method Blank	Total/NA	Solid	8260B	
LCS 500-609909/4	Lab Control Sample	Total/NA	Solid	8260B	
500-202086-8 MS	TS-01	Total/NA	Solid	8260B	608761
500-202086-8 MSD	TS-01	Total/NA	Solid	8260B	608761

Analysis Batch: 609910

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-202086-1	EAST SUMP	Total/NA	Water	8260B	
500-202086-2	LARGE SUMP	Total/NA	Water	8260B	
500-202086-3	WEST SUMP	Total/NA	Water	8260B	
500-202086-9	TRIP BLANK	Total/NA	Water	8260B	
MB 500-609910/6	Method Blank	Total/NA	Water	8260B	
LCS 500-609910/4	Lab Control Sample	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 609019

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-202086-1	EAST SUMP	Total/NA	Water	3510C	
500-202086-2	LARGE SUMP	Total/NA	Water	3510C	
500-202086-3	WEST SUMP	Total/NA	Water	3510C	
MB 500-609019/1-A	Method Blank	Total/NA	Water	3510C	
LCS 500-609019/2-A	Lab Control Sample	Total/NA	Water	3510C	

GC/MS Semi VOA (Continued)

Prep Batch: 609019 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 500-609019/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 609090

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-609019/1-A	Method Blank	Total/NA	Water	8270D	609019
LCS 500-609019/2-A	Lab Control Sample	Total/NA	Water	8270D	609019
LCSD 500-609019/3-A	Lab Control Sample Dup	Total/NA	Water	8270D	609019

Analysis Batch: 609312

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-202086-1	EAST SUMP	Total/NA	Water	8270D	609019
500-202086-2	LARGE SUMP	Total/NA	Water	8270D	609019
500-202086-3	WEST SUMP	Total/NA	Water	8270D	609019

Prep Batch: 610064

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-202086-5	PRE EAST SUMP	Total/NA	Solid	3541	
500-202086-6	PRE LARGE SUMP	Total/NA	Solid	3541	
500-202086-7	PRE WEST SUMP	Total/NA	Solid	3541	
500-202086-8	TS-01	Total/NA	Solid	3541	
MB 500-610064/1-A	Method Blank	Total/NA	Solid	3541	
LCS 500-610064/2-A	Lab Control Sample	Total/NA	Solid	3541	

Analysis Batch: 610159

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-610064/1-A	Method Blank	Total/NA	Solid	8270D	610064
LCS 500-610064/2-A	Lab Control Sample	Total/NA	Solid	8270D	610064

Analysis Batch: 610178

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-202086-5	PRE EAST SUMP	Total/NA	Solid	8270D	610064
500-202086-8	TS-01	Total/NA	Solid	8270D	610064

Analysis Batch: 610691

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-202086-6	PRE LARGE SUMP	Total/NA	Solid	8270D	610064
500-202086-7	PRE WEST SUMP	Total/NA	Solid	8270D	610064

GC Semi VOA

Prep Batch: 608898

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-202086-1	EAST SUMP	Total/NA	Water	3510C	
500-202086-2	LARGE SUMP	Total/NA	Water	3510C	
500-202086-3	WEST SUMP	Total/NA	Water	3510C	
MB 500-608898/1-A	Method Blank	Total/NA	Water	3510C	
LCS 500-608898/2-A	Lab Control Sample	Total/NA	Water	3510C	

Analysis Batch: 609160

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-202086-1	EAST SUMP	Total/NA	Water	8082A	608898

GC Semi VOA (Continued)

Analysis Batch: 609160 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-202086-2	LARGE SUMP	Total/NA	Water	8082A	608898
500-202086-3	WEST SUMP	Total/NA	Water	8082A	608898
MB 500-608898/1-A	Method Blank	Total/NA	Water	8082A	608898
LCS 500-608898/2-A	Lab Control Sample	Total/NA	Water	8082A	608898

Prep Batch: 610096

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-202086-5	PRE EAST SUMP	Total/NA	Solid	3541	
500-202086-6	PRE LARGE SUMP	Total/NA	Solid	3541	
500-202086-7	PRE WEST SUMP	Total/NA	Solid	3541	
500-202086-8	TS-01	Total/NA	Solid	3541	
MB 500-610096/1-A	Method Blank	Total/NA	Solid	3541	
LCS 500-610096/3-A	Lab Control Sample	Total/NA	Solid	3541	

Analysis Batch: 610222

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-202086-6	PRE LARGE SUMP	Total/NA	Solid	8082A	610096
500-202086-8	TS-01	Total/NA	Solid	8082A	610096
MB 500-610096/1-A	Method Blank	Total/NA	Solid	8082A	610096
LCS 500-610096/3-A	Lab Control Sample	Total/NA	Solid	8082A	610096

Analysis Batch: 610307

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-202086-5	PRE EAST SUMP	Total/NA	Solid	8082A	610096
500-202086-7	PRE WEST SUMP	Total/NA	Solid	8082A	610096

LCMS

Prep Batch: 506020

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-202086-1	EAST SUMP	Total/NA	Water	3535	
500-202086-2	LARGE SUMP	Total/NA	Water	3535	
500-202086-3	WEST SUMP	Total/NA	Water	3535	
500-202086-4	FB-01	Total/NA	Water	3535	
MB 320-506020/1-A	Method Blank	Total/NA	Water	3535	
LCS 320-506020/2-A	Lab Control Sample	Total/NA	Water	3535	
LCSD 320-506020/3-A	Lab Control Sample Dup	Total/NA	Water	3535	

Prep Batch: 506368

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-202086-5	PRE EAST SUMP	Total/NA	Solid	SHAKE	
500-202086-6	PRE LARGE SUMP	Total/NA	Solid	SHAKE	
500-202086-7	PRE WEST SUMP	Total/NA	Solid	SHAKE	
500-202086-8	TS-01	Total/NA	Solid	SHAKE	
MB 320-506368/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 320-506368/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

Analysis Batch: 506671

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-202086-5	PRE EAST SUMP	Total/NA	Solid	537 (modified)	506368
500-202086-6	PRE LARGE SUMP	Total/NA	Solid	537 (modified)	506368

LCMS (Continued)

Analysis Batch: 506671 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-202086-7	PRE WEST SUMP	Total/NA	Solid	537 (modified)	506368
500-202086-8	TS-01	Total/NA	Solid	537 (modified)	506368

Analysis Batch: 507446

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-202086-1	EAST SUMP	Total/NA	Water	537 (modified)	506020
500-202086-2	LARGE SUMP	Total/NA	Water	537 (modified)	506020
500-202086-3	WEST SUMP	Total/NA	Water	537 (modified)	506020
500-202086-4	FB-01	Total/NA	Water	537 (modified)	506020
MB 320-506020/1-A	Method Blank	Total/NA	Water	537 (modified)	506020
LCS 320-506020/2-A	Lab Control Sample	Total/NA	Water	537 (modified)	506020
LCSD 320-506020/3-A	Lab Control Sample Dup	Total/NA	Water	537 (modified)	506020

Analysis Batch: 507469

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 320-506368/1-A	Method Blank	Total/NA	Solid	537 (modified)	506368
LCS 320-506368/2-A	Lab Control Sample	Total/NA	Solid	537 (modified)	506368

Metals

Prep Batch: 608876

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-202086-1	EAST SUMP	Dissolved	Water	7470A	
500-202086-2	LARGE SUMP	Dissolved	Water	7470A	
500-202086-3	WEST SUMP	Dissolved	Water	7470A	
MB 500-608876/12-A	Method Blank	Total/NA	Water	7470A	
LCS 500-608876/13-A	Lab Control Sample	Total/NA	Water	7470A	

Prep Batch: 609066

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-202086-1	EAST SUMP	Dissolved	Water	3005A	
500-202086-2	LARGE SUMP	Dissolved	Water	3005A	
500-202086-3	WEST SUMP	Dissolved	Water	3005A	
MB 500-609066/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-609066/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 609125

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-202086-1	EAST SUMP	Dissolved	Water	7470A	608876
500-202086-2	LARGE SUMP	Dissolved	Water	7470A	608876
500-202086-3	WEST SUMP	Dissolved	Water	7470A	608876
MB 500-608876/12-A	Method Blank	Total/NA	Water	7470A	608876
LCS 500-608876/13-A	Lab Control Sample	Total/NA	Water	7470A	608876

Analysis Batch: 609341

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-202086-1	EAST SUMP	Dissolved	Water	6020A	609066
500-202086-2	LARGE SUMP	Dissolved	Water	6020A	609066
500-202086-3	WEST SUMP	Dissolved	Water	6020A	609066
MB 500-609066/1-A	Method Blank	Total Recoverable	Water	6020A	609066
LCS 500-609066/2-A	Lab Control Sample	Total Recoverable	Water	6020A	609066

Metals

Prep Batch: 610134

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-202086-5	PRE EAST SUMP	Total/NA	Solid	7471B	
500-202086-6	PRE LARGE SUMP	Total/NA	Solid	7471B	
500-202086-7	PRE WEST SUMP	Total/NA	Solid	7471B	
500-202086-8	TS-01	Total/NA	Solid	7471B	
MB 500-610134/12-A	Method Blank	Total/NA	Solid	7471B	
LCS 500-610134/13-A	Lab Control Sample	Total/NA	Solid	7471B	

Prep Batch: 610284

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-202086-5	PRE EAST SUMP	Total/NA	Solid	3050B	
500-202086-6	PRE LARGE SUMP	Total/NA	Solid	3050B	
500-202086-7	PRE WEST SUMP	Total/NA	Solid	3050B	
500-202086-8	TS-01	Total/NA	Solid	3050B	
MB 500-610284/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 500-610284/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Analysis Batch: 610424

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-202086-5	PRE EAST SUMP	Total/NA	Solid	7471B	610134
500-202086-6	PRE LARGE SUMP	Total/NA	Solid	7471B	610134
500-202086-7	PRE WEST SUMP	Total/NA	Solid	7471B	610134
500-202086-8	TS-01	Total/NA	Solid	7471B	610134
MB 500-610134/12-A	Method Blank	Total/NA	Solid	7471B	610134
LCS 500-610134/13-A	Lab Control Sample	Total/NA	Solid	7471B	610134

Analysis Batch: 610596

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-202086-5	PRE EAST SUMP	Total/NA	Solid	6010B	610284
500-202086-6	PRE LARGE SUMP	Total/NA	Solid	6010B	610284
500-202086-7	PRE WEST SUMP	Total/NA	Solid	6010B	610284
500-202086-8	TS-01	Total/NA	Solid	6010B	610284
MB 500-610284/1-A	Method Blank	Total/NA	Solid	6010B	610284
LCS 500-610284/2-A	Lab Control Sample	Total/NA	Solid	6010B	610284

Analysis Batch: 610699

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-202086-5	PRE EAST SUMP	Total/NA	Solid	6010B	610284
500-202086-6	PRE LARGE SUMP	Total/NA	Solid	6010B	610284
500-202086-7	PRE WEST SUMP	Total/NA	Solid	6010B	610284

Filtration Batch: 612337

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-612337/1-E	Method Blank	Total/NA	Water	FILTRATION	

Prep Batch: 612590

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-202086-1	EAST SUMP	Total Recoverable	Water	3005A	
500-202086-2	LARGE SUMP	Total Recoverable	Water	3005A	
500-202086-3	WEST SUMP	Total Recoverable	Water	3005A	
MB 500-612590/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-612590/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

QC Association Summary

Client: Ramboll US Corporation
Job ID: 500-202086-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Metals

Prep Batch: 612627

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-202086-1	EAST SUMP	Total/NA	Water	7470A	
500-202086-2	LARGE SUMP	Total/NA	Water	7470A	
500-202086-3	WEST SUMP	Total/NA	Water	7470A	
MB 500-612337/1-E	Method Blank	Total/NA	Water	7470A	612337
MB 500-612627/12-A	Method Blank	Total/NA	Water	7470A	
LCS 500-612627/13-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 612831

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-202086-1	EAST SUMP	Total/NA	Water	7470A	612627
500-202086-2	LARGE SUMP	Total/NA	Water	7470A	612627
500-202086-3	WEST SUMP	Total/NA	Water	7470A	612627
MB 500-612337/1-E	Method Blank	Total/NA	Water	7470A	612627
MB 500-612627/12-A	Method Blank	Total/NA	Water	7470A	612627
LCS 500-612627/13-A	Lab Control Sample	Total/NA	Water	7470A	612627

Analysis Batch: 613065

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-202086-1	EAST SUMP	Total Recoverable	Water	6020A	612590
500-202086-2	LARGE SUMP	Total Recoverable	Water	6020A	612590
500-202086-3	WEST SUMP	Total Recoverable	Water	6020A	612590
MB 500-612590/1-A	Method Blank	Total Recoverable	Water	6020A	612590
LCS 500-612590/2-A	Lab Control Sample	Total Recoverable	Water	6020A	612590

General Chemistry

Analysis Batch: 609943

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-202086-5	PRE EAST SUMP	Total/NA	Solid	Moisture	
500-202086-6	PRE LARGE SUMP	Total/NA	Solid	Moisture	
500-202086-7	PRE WEST SUMP	Total/NA	Solid	Moisture	
500-202086-8	TS-01	Total/NA	Solid	Moisture	

Surrogate Summary

Client: Ramboll US Corporation
Project/Site: Former Mirro 20 - Chilton 1690019558

Job ID: 500-202086-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Solid — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	DCA	TOL
Lab Sample ID	Client Sample ID	(72-124)	(75-120)	(75-126)	(75-120)
500-202086-5	PRE EAST SUMP	96	108	110	102
500-202086-6	PRE LARGE SUMP	99	108	110	102
500-202086-7	PRE WEST SUMP	95	108	110	100
500-202086-8	TS-01	97	109	108	103
500-202086-8 MS	TS-01	93	99	101	108
500-202086-8 MSD	TS-01	94	99	99	106
500-202086-10	TRIP BLANK	100	106	107	102
LB3 500-608761/17-A	Method Blank	95	106	101	98
LCS 500-608761/18-A	Lab Control Sample	98	98	98	111
LCS 500-609467/28	Lab Control Sample	93	110	118	97
LCS 500-609909/4	Lab Control Sample	92	100	101	108
MB 500-609467/6	Method Blank	96	106	99	98
MB 500-609670/7	Method Blank	117	104	106	107
MB 500-609909/6	Method Blank	99	108	108	103

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	DCA	TOL
Lab Sample ID	Client Sample ID	(72-124)	(75-120)	(75-126)	(75-120)
500-202086-1	EAST SUMP	96	107	108	103
500-202086-2	LARGE SUMP	95	110	110	99
500-202086-3	WEST SUMP	97	107	109	102
500-202086-9	TRIP BLANK	96	110	111	102
LCS 500-609910/4	Lab Control Sample	92	100	101	108
MB 500-609910/6	Method Blank	99	108	108	103

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		NBZ	TPHL	FBP
Lab Sample ID	Client Sample ID	(37-147)	(42-157)	(43-145)
500-202086-5	PRE EAST SUMP	84	192 S1+	124
500-202086-6	PRE LARGE SUMP	67	86	71
500-202086-7	PRE WEST SUMP	82	90	89
500-202086-8	TS-01	63	116	84
LCS 500-610064/2-A	Lab Control Sample	97	103	94

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		NBZ	TPHL	FBP
Lab Sample ID	Client Sample ID	(37-147)	(42-157)	(43-145)
MB 500-610064/1-A	Method Blank	89	103	90

Surrogate Legend

NBZ = Nitrobenzene-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)
FBP = 2-Fluorobiphenyl (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		NBZ	TPHL	FBP
Lab Sample ID	Client Sample ID	(36-120)	(40-145)	(34-110)
500-202086-1	EAST SUMP	58	107	75
500-202086-2	LARGE SUMP	56	107	72
500-202086-3	WEST SUMP	64	103	77
LCS 500-609019/2-A	Lab Control Sample	69	106	75
LCSD 500-609019/3-A	Lab Control Sample Dup	50	111	59
MB 500-609019/1-A	Method Blank	61	99	62

Surrogate Legend

NBZ = Nitrobenzene-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)
FBP = 2-Fluorobiphenyl (Surr)

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		TCX1	DCBP1
Lab Sample ID	Client Sample ID	(49-129)	(37-121)
500-202086-5	PRE EAST SUMP	98	124 S1+
500-202086-6	PRE LARGE SUMP	67	57
500-202086-7	PRE WEST SUMP	79	1677 S1+
500-202086-8	TS-01	70	50
LCS 500-610096/3-A	Lab Control Sample	98	114
MB 500-610096/1-A	Method Blank	100	112

Surrogate Legend

TCX = Tetrachloro-m-xylene
DCBP = DCB Decachlorobiphenyl

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		TCX2	DCBP2
Lab Sample ID	Client Sample ID	(30-120)	(30-140)
500-202086-1	EAST SUMP	67	102
500-202086-2	LARGE SUMP	69	109
500-202086-3	WEST SUMP	60	81
LCS 500-608898/2-A	Lab Control Sample	56	109
MB 500-608898/1-A	Method Blank	74	108

Surrogate Summary

Client: Ramboll US Corporation
Job ID: 500-202086-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Surrogate Legend

TCX = Tetrachloro-m-xylene
DCBP = DCB Decachlorobiphenyl

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: LB3 500-608761/17-A
Matrix: Solid
Analysis Batch: 609467

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 608761

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<7.3		13	7.3	ug/Kg		07/11/21 18:50	07/15/21 11:52	50
Bromobenzene	<18		50	18	ug/Kg		07/11/21 18:50	07/15/21 11:52	50
Bromochloromethane	<21		50	21	ug/Kg		07/11/21 18:50	07/15/21 11:52	50
Bromodichloromethane	<19		50	19	ug/Kg		07/11/21 18:50	07/15/21 11:52	50
Bromoform	<24		50	24	ug/Kg		07/11/21 18:50	07/15/21 11:52	50
Bromomethane	<40		150	40	ug/Kg		07/11/21 18:50	07/15/21 11:52	50
2-Butanone (MEK)	<110		250	110	ug/Kg		07/11/21 18:50	07/15/21 11:52	50
Carbon tetrachloride	<19		50	19	ug/Kg		07/11/21 18:50	07/15/21 11:52	50
Chlorobenzene	<19		50	19	ug/Kg		07/11/21 18:50	07/15/21 11:52	50
Chloroethane	<25		50	25	ug/Kg		07/11/21 18:50	07/15/21 11:52	50
Chloroform	<19		100	19	ug/Kg		07/11/21 18:50	07/15/21 11:52	50
Chloromethane	<16		50	16	ug/Kg		07/11/21 18:50	07/15/21 11:52	50
2-Chlorotoluene	<16		50	16	ug/Kg		07/11/21 18:50	07/15/21 11:52	50
4-Chlorotoluene	<18		50	18	ug/Kg		07/11/21 18:50	07/15/21 11:52	50
cis-1,2-Dichloroethene	<20		50	20	ug/Kg		07/11/21 18:50	07/15/21 11:52	50
cis-1,3-Dichloropropene	<21		50	21	ug/Kg		07/11/21 18:50	07/15/21 11:52	50
Dibromochloromethane	<24		50	24	ug/Kg		07/11/21 18:50	07/15/21 11:52	50
1,2-Dibromo-3-Chloropropane	<100		250	100	ug/Kg		07/11/21 18:50	07/15/21 11:52	50
1,2-Dibromoethane	<19		50	19	ug/Kg		07/11/21 18:50	07/15/21 11:52	50
Dibromomethane	<14		50	14	ug/Kg		07/11/21 18:50	07/15/21 11:52	50
1,2-Dichlorobenzene	<17		50	17	ug/Kg		07/11/21 18:50	07/15/21 11:52	50
1,3-Dichlorobenzene	<20		50	20	ug/Kg		07/11/21 18:50	07/15/21 11:52	50
1,4-Dichlorobenzene	<18		50	18	ug/Kg		07/11/21 18:50	07/15/21 11:52	50
Dichlorodifluoromethane	<34		150	34	ug/Kg		07/11/21 18:50	07/15/21 11:52	50
1,1-Dichloroethane	<21		50	21	ug/Kg		07/11/21 18:50	07/15/21 11:52	50
1,2-Dichloroethane	<20		50	20	ug/Kg		07/11/21 18:50	07/15/21 11:52	50
1,1-Dichloroethene	<20		50	20	ug/Kg		07/11/21 18:50	07/15/21 11:52	50
1,2-Dichloropropane	<21		50	21	ug/Kg		07/11/21 18:50	07/15/21 11:52	50
1,3-Dichloropropane	<18		50	18	ug/Kg		07/11/21 18:50	07/15/21 11:52	50
2,2-Dichloropropane	<22		50	22	ug/Kg		07/11/21 18:50	07/15/21 11:52	50
1,1-Dichloropropene	<15		50	15	ug/Kg		07/11/21 18:50	07/15/21 11:52	50
Ethylbenzene	<9.2		13	9.2	ug/Kg		07/11/21 18:50	07/15/21 11:52	50
Hexachlorobutadiene	<22		50	22	ug/Kg		07/11/21 18:50	07/15/21 11:52	50
Isopropylbenzene	<19		50	19	ug/Kg		07/11/21 18:50	07/15/21 11:52	50
Isopropyl ether	<14		50	14	ug/Kg		07/11/21 18:50	07/15/21 11:52	50
Methylene Chloride	<82		250	82	ug/Kg		07/11/21 18:50	07/15/21 11:52	50
Methyl tert-butyl ether	<20		50	20	ug/Kg		07/11/21 18:50	07/15/21 11:52	50
Naphthalene	<17		50	17	ug/Kg		07/11/21 18:50	07/15/21 11:52	50
n-Butylbenzene	<19		50	19	ug/Kg		07/11/21 18:50	07/15/21 11:52	50
N-Propylbenzene	<21		50	21	ug/Kg		07/11/21 18:50	07/15/21 11:52	50
p-Isopropyltoluene	<18		50	18	ug/Kg		07/11/21 18:50	07/15/21 11:52	50
sec-Butylbenzene	<20		50	20	ug/Kg		07/11/21 18:50	07/15/21 11:52	50
Styrene	<19		50	19	ug/Kg		07/11/21 18:50	07/15/21 11:52	50
tert-Butylbenzene	<20		50	20	ug/Kg		07/11/21 18:50	07/15/21 11:52	50
1,1,1,2-Tetrachloroethane	<23		50	23	ug/Kg		07/11/21 18:50	07/15/21 11:52	50
1,1,2,2-Tetrachloroethane	<20		50	20	ug/Kg		07/11/21 18:50	07/15/21 11:52	50
Tetrachloroethene	<19		50	19	ug/Kg		07/11/21 18:50	07/15/21 11:52	50
Toluene	<7.4		13	7.4	ug/Kg		07/11/21 18:50	07/15/21 11:52	50

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LB3 500-608761/17-A
Matrix: Solid
Analysis Batch: 609467

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 608761

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	<18		50	18	ug/Kg		07/11/21 18:50	07/15/21 11:52	50
trans-1,3-Dichloropropene	<18		50	18	ug/Kg		07/11/21 18:50	07/15/21 11:52	50
1,2,3-Trichlorobenzene	<23		50	23	ug/Kg		07/11/21 18:50	07/15/21 11:52	50
1,2,4-Trichlorobenzene	19.7	J	50	17	ug/Kg		07/11/21 18:50	07/15/21 11:52	50
1,1,1-Trichloroethane	<19		50	19	ug/Kg		07/11/21 18:50	07/15/21 11:52	50
1,1,2-Trichloroethane	<18		50	18	ug/Kg		07/11/21 18:50	07/15/21 11:52	50
Trichloroethene	<8.2		25	8.2	ug/Kg		07/11/21 18:50	07/15/21 11:52	50
Trichlorofluoromethane	<21		50	21	ug/Kg		07/11/21 18:50	07/15/21 11:52	50
1,2,3-Trichloropropane	<21		100	21	ug/Kg		07/11/21 18:50	07/15/21 11:52	50
1,2,4-Trimethylbenzene	<18		50	18	ug/Kg		07/11/21 18:50	07/15/21 11:52	50
1,3,5-Trimethylbenzene	<19		50	19	ug/Kg		07/11/21 18:50	07/15/21 11:52	50
Vinyl chloride	<13		50	13	ug/Kg		07/11/21 18:50	07/15/21 11:52	50
Xylenes, Total	<11		25	11	ug/Kg		07/11/21 18:50	07/15/21 11:52	50

Surrogate	*LB3 %Recovery*	*LB3 Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*72 - 124*	*07/11/21 18:50*	*07/15/21 11:52*	*50*
Dibromofluoromethane (Surr)	*106*		*75 - 120*	*07/11/21 18:50*	*07/15/21 11:52*	*50*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 126*	*07/11/21 18:50*	*07/15/21 11:52*	*50*
Toluene-d8 (Surr)	*98*		*75 - 120*	*07/11/21 18:50*	*07/15/21 11:52*	*50*

Lab Sample ID: LCS 500-608761/18-A
Matrix: Solid
Analysis Batch: 609670

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 608761

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	2500	2180		ug/Kg		87	70 - 120
Bromobenzene	2500	2270		ug/Kg		91	70 - 122
Bromochloromethane	2500	2120		ug/Kg		85	65 - 122
Bromodichloromethane	2500	2390		ug/Kg		96	69 - 120
Bromoform	2500	2630		ug/Kg		105	56 - 132
Bromomethane	2500	2100		ug/Kg		84	40 - 152
2-Butanone (MEK)	2500	2100		ug/Kg		84	46 - 144
Carbon tetrachloride	2500	2560		ug/Kg		103	59 - 133
Chlorobenzene	2500	2290		ug/Kg		92	70 - 120
Chloroethane	2500	2150		ug/Kg		86	48 - 136
Chloroform	2500	2370		ug/Kg		95	70 - 120
Chloromethane	2500	1770		ug/Kg		71	56 - 152
2-Chlorotoluene	2500	2360		ug/Kg		95	70 - 125
4-Chlorotoluene	2500	2340		ug/Kg		93	68 - 124
cis-1,2-Dichloroethene	2500	2250		ug/Kg		90	70 - 125
cis-1,3-Dichloropropene	2500	2390		ug/Kg		96	64 - 127
Dibromochloromethane	2500	2520		ug/Kg		101	68 - 125
1,2-Dibromo-3-Chloropropane	2500	2040		ug/Kg		82	56 - 123
1,2-Dibromoethane	2500	2180		ug/Kg		87	70 - 125
Dibromomethane	2500	2070		ug/Kg		83	70 - 120
1,2-Dichlorobenzene	2500	2100		ug/Kg		84	70 - 125
1,3-Dichlorobenzene	2500	2220		ug/Kg		89	70 - 125
1,4-Dichlorobenzene	2500	2170		ug/Kg		87	70 - 120

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-608761/18-A
Matrix: Solid
Analysis Batch: 609670

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 608761

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorodifluoromethane	2500	1060		ug/Kg		43	40 - 159
1,1-Dichloroethane	2500	2530		ug/Kg		101	70 - 125
1,2-Dichloroethane	2500	2370		ug/Kg		95	68 - 127
1,1-Dichloroethene	2500	2020		ug/Kg		81	67 - 122
1,2-Dichloropropane	2500	2360		ug/Kg		94	67 - 130
1,3-Dichloropropane	2500	2260		ug/Kg		90	62 - 136
2,2-Dichloropropane	2500	3160		ug/Kg		127	58 - 139
1,1-Dichloropropene	2500	2520		ug/Kg		101	70 - 121
Ethylbenzene	2500	2470		ug/Kg		99	70 - 123
Hexachlorobutadiene	2500	3300		ug/Kg		132	51 - 150
Isopropylbenzene	2500	2380		ug/Kg		95	70 - 126
Methylene Chloride	2500	2080		ug/Kg		83	69 - 125
Methyl tert-butyl ether	2500	1890		ug/Kg		75	55 - 123
Naphthalene	2500	1860		ug/Kg		74	53 - 144
n-Butylbenzene	2500	2580		ug/Kg		103	68 - 125
N-Propylbenzene	2500	2410		ug/Kg		96	69 - 127
p-Isopropyltoluene	2500	2460		ug/Kg		98	70 - 125
sec-Butylbenzene	2500	2380		ug/Kg		95	70 - 123
Styrene	2500	2350		ug/Kg		94	70 - 120
tert-Butylbenzene	2500	2370		ug/Kg		95	70 - 121
1,1,1,2-Tetrachloroethane	2500	2650		ug/Kg		106	70 - 125
1,1,2,2-Tetrachloroethane	2500	2050		ug/Kg		82	62 - 140
Tetrachloroethene	2500	2730		ug/Kg		109	70 - 128
Toluene	2500	2450		ug/Kg		98	70 - 125
trans-1,2-Dichloroethene	2500	2320		ug/Kg		93	70 - 125
trans-1,3-Dichloropropene	2500	2350		ug/Kg		94	62 - 128
1,2,3-Trichlorobenzene	2500	2390		ug/Kg		95	51 - 145
1,2,4-Trichlorobenzene	2500	2500		ug/Kg		100	57 - 137
1,1,1-Trichloroethane	2500	2890		ug/Kg		115	70 - 125
1,1,2-Trichloroethane	2500	2150		ug/Kg		86	71 - 130
Trichloroethene	2500	2260		ug/Kg		90	70 - 125
Trichlorofluoromethane	2500	2270		ug/Kg		91	55 - 128
1,2,3-Trichloropropane	2500	2140		ug/Kg		86	50 - 133
1,2,4-Trimethylbenzene	2500	2340		ug/Kg		94	70 - 123
1,3,5-Trimethylbenzene	2500	2380		ug/Kg		95	70 - 123
Vinyl chloride	2500	1930		ug/Kg		77	64 - 126
Xylenes, Total	5000	5060		ug/Kg		101	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*72 - 124*
Dibromofluoromethane (Surr)	*98*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 126*
Toluene-d8 (Surr)	*111*		*75 - 120*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-202086-8 MS
Matrix: Solid
Analysis Batch: 609909

Client Sample ID: TS-01
Prep Type: Total/NA
Prep Batch: 608761

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<8.9		3040	3040		ug/Kg	☼	100	70 - 120
Bromobenzene	<22		3040	2880		ug/Kg	☼	95	70 - 122
Bromochloromethane	<26		3040	2950		ug/Kg	☼	97	65 - 122
Bromodichloromethane	<23		3040	2890		ug/Kg	☼	95	69 - 120
Bromoform	<29		3040	3030		ug/Kg	☼	100	56 - 132
Bromomethane	<48	*+ F1	3040	5020	F1	ug/Kg	☼	165	40 - 152
2-Butanone (MEK)	<130		3040	2890		ug/Kg	☼	95	46 - 144
Carbon tetrachloride	<23		3040	2880		ug/Kg	☼	95	59 - 133
Chlorobenzene	<23		3040	3200		ug/Kg	☼	105	70 - 120
Chloroethane	<31	*+ F1	3040	4970	F1	ug/Kg	☼	163	48 - 136
Chloroform	<23		3040	3020		ug/Kg	☼	99	70 - 120
Chloromethane	<19		3040	3300		ug/Kg	☼	108	56 - 152
2-Chlorotoluene	<19		3040	3080		ug/Kg	☼	101	70 - 125
4-Chlorotoluene	<21		3040	3160		ug/Kg	☼	104	68 - 124
cis-1,2-Dichloroethene	<25		3040	2900		ug/Kg	☼	95	70 - 125
cis-1,3-Dichloropropene	<25		3040	2950		ug/Kg	☼	97	64 - 127
Dibromochloromethane	<30		3040	3020		ug/Kg	☼	99	68 - 125
1,2-Dibromo-3-Chloropropane	<120		3040	3410		ug/Kg	☼	112	56 - 123
1,2-Dibromoethane	<23		3040	3140		ug/Kg	☼	103	70 - 125
Dibromomethane	<16		3040	3010		ug/Kg	☼	99	70 - 120
1,2-Dichlorobenzene	<20		3040	3080		ug/Kg	☼	101	70 - 125
1,3-Dichlorobenzene	<24		3040	2930		ug/Kg	☼	96	70 - 125
1,4-Dichlorobenzene	<22		3040	2990		ug/Kg	☼	98	70 - 120
Dichlorodifluoromethane	<41		3040	3870		ug/Kg	☼	127	40 - 159
1,1-Dichloroethane	<25		3040	3080		ug/Kg	☼	101	70 - 125
1,2-Dichloroethane	<24		3040	3010		ug/Kg	☼	99	68 - 127
1,1-Dichloroethene	<24		3040	3140		ug/Kg	☼	103	67 - 122
1,2-Dichloropropane	<26		3040	2870		ug/Kg	☼	94	67 - 130
1,3-Dichloropropane	<22		3040	3250		ug/Kg	☼	107	62 - 136
2,2-Dichloropropane	<27		3040	2850		ug/Kg	☼	94	58 - 139
1,1-Dichloropropene	<18		3040	2850		ug/Kg	☼	94	70 - 121
Ethylbenzene	<11		3040	3100		ug/Kg	☼	102	70 - 123
Hexachlorobutadiene	<27		3040	3300		ug/Kg	☼	109	51 - 150
Isopropylbenzene	<23		3040	2950		ug/Kg	☼	97	70 - 126
Methylene Chloride	<99		3040	3290		ug/Kg	☼	108	69 - 125
Methyl tert-butyl ether	<24		3040	2840		ug/Kg	☼	93	55 - 123
Naphthalene	<20		3040	2750		ug/Kg	☼	90	53 - 144
n-Butylbenzene	<24		3040	3160		ug/Kg	☼	104	68 - 125
N-Propylbenzene	<25		3040	3120		ug/Kg	☼	103	69 - 127
p-Isopropyltoluene	<22		3040	3000		ug/Kg	☼	99	70 - 125
sec-Butylbenzene	<24		3040	3070		ug/Kg	☼	101	70 - 123
Styrene	<23		3040	3180		ug/Kg	☼	105	70 - 120
tert-Butylbenzene	<24		3040	2880		ug/Kg	☼	95	70 - 121
1,1,1,2-Tetrachloroethane	<28		3040	3190		ug/Kg	☼	105	70 - 125
1,1,2,2-Tetrachloroethane	<24		3040	3300		ug/Kg	☼	109	62 - 140
Tetrachloroethene	<23		3040	3140		ug/Kg	☼	103	70 - 128
Toluene	<8.9		3040	3260		ug/Kg	☼	107	70 - 125
trans-1,2-Dichloroethene	<21		3040	3220		ug/Kg	☼	106	70 - 125

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-202086-8 MS
Matrix: Solid
Analysis Batch: 609909

Client Sample ID: TS-01
Prep Type: Total/NA
Prep Batch: 608761

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
trans-1,3-Dichloropropene	<22		3040	2840		ug/Kg	☼	93	62 - 128
1,2,3-Trichlorobenzene	<28		3040	3010		ug/Kg	☼	99	51 - 145
1,2,4-Trichlorobenzene	<21		3040	2730		ug/Kg	☼	90	57 - 137
1,1,1-Trichloroethane	<23		3040	3020		ug/Kg	☼	99	70 - 125
1,1,2-Trichloroethane	<21		3040	3300		ug/Kg	☼	109	71 - 130
Trichloroethene	<10		3040	2690		ug/Kg	☼	89	70 - 125
Trichlorofluoromethane	<26		3040	3440		ug/Kg	☼	113	55 - 128
1,2,3-Trichloropropane	<25		3040	3340		ug/Kg	☼	110	50 - 133
1,2,4-Trimethylbenzene	<22		3040	3100		ug/Kg	☼	102	70 - 123
1,3,5-Trimethylbenzene	<23		3040	3100		ug/Kg	☼	102	70 - 123
Vinyl chloride	<16		3040	3400		ug/Kg	☼	112	64 - 126
Xylenes, Total	<13		6080	6130		ug/Kg	☼	101	70 - 125

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*72 - 124*
Dibromofluoromethane (Surr)	*99*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 126*
Toluene-d8 (Surr)	*108*		*75 - 120*

Lab Sample ID: 500-202086-8 MSD
Matrix: Solid
Analysis Batch: 609909

Client Sample ID: TS-01
Prep Type: Total/NA
Prep Batch: 608761

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<8.9		3040	2820		ug/Kg	☼	93	70 - 120	8	30
Bromobenzene	<22		3040	2740		ug/Kg	☼	90	70 - 122	5	30
Bromochloromethane	<26		3040	2620		ug/Kg	☼	86	65 - 122	12	30
Bromodichloromethane	<23		3040	2640		ug/Kg	☼	87	69 - 120	9	30
Bromoform	<29		3040	2800		ug/Kg	☼	92	56 - 132	8	30
Bromomethane	<48	*+ F1	3040	4780	F1	ug/Kg	☼	157	40 - 152	5	30
2-Butanone (MEK)	<130		3040	2670		ug/Kg	☼	88	46 - 144	8	30
Carbon tetrachloride	<23		3040	2590		ug/Kg	☼	85	59 - 133	11	30
Chlorobenzene	<23		3040	2930		ug/Kg	☼	96	70 - 120	9	30
Chloroethane	<31	*+ F1	3040	4730	F1	ug/Kg	☼	155	48 - 136	5	30
Chloroform	<23		3040	2780		ug/Kg	☼	92	70 - 120	8	30
Chloromethane	<19		3040	3210		ug/Kg	☼	105	56 - 152	3	30
2-Chlorotoluene	<19		3040	2900		ug/Kg	☼	95	70 - 125	6	30
4-Chlorotoluene	<21		3040	2980		ug/Kg	☼	98	68 - 124	6	30
cis-1,2-Dichloroethene	<25		3040	2660		ug/Kg	☼	88	70 - 125	8	30
cis-1,3-Dichloropropene	<25		3040	2750		ug/Kg	☼	91	64 - 127	7	30
Dibromochloromethane	<30		3040	2730		ug/Kg	☼	90	68 - 125	10	30
1,2-Dibromo-3-Chloropropane	<120		3040	2900		ug/Kg	☼	95	56 - 123	16	30
1,2-Dibromoethane	<23		3040	2940		ug/Kg	☼	97	70 - 125	7	30
Dibromomethane	<16		3040	2770		ug/Kg	☼	91	70 - 120	8	30
1,2-Dichlorobenzene	<20		3040	2900		ug/Kg	☼	95	70 - 125	6	30
1,3-Dichlorobenzene	<24		3040	2810		ug/Kg	☼	92	70 - 125	4	30
1,4-Dichlorobenzene	<22		3040	2850		ug/Kg	☼	94	70 - 120	5	30
Dichlorodifluoromethane	<41		3040	3830		ug/Kg	☼	126	40 - 159	1	30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-202086-8 MSD
Matrix: Solid
Analysis Batch: 609909

Client Sample ID: TS-01
Prep Type: Total/NA
Prep Batch: 608761

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethane	<25		3040	2770		ug/Kg	☼	91	70 - 125	11	30
1,2-Dichloroethane	<24		3040	2820		ug/Kg	☼	93	68 - 127	7	30
1,1-Dichloroethene	<24		3040	2770		ug/Kg	☼	91	67 - 122	13	30
1,2-Dichloropropane	<26		3040	2770		ug/Kg	☼	91	67 - 130	4	30
1,3-Dichloropropane	<22		3040	3030		ug/Kg	☼	99	62 - 136	7	30
2,2-Dichloropropane	<27		3040	2590		ug/Kg	☼	85	58 - 139	9	30
1,1-Dichloropropene	<18		3040	2630		ug/Kg	☼	87	70 - 121	8	30
Ethylbenzene	<11		3040	2880		ug/Kg	☼	95	70 - 123	7	30
Hexachlorobutadiene	<27		3040	3020		ug/Kg	☼	99	51 - 150	9	30
Isopropylbenzene	<23		3040	2760		ug/Kg	☼	91	70 - 126	7	30
Methylene Chloride	<99		3040	2900		ug/Kg	☼	95	69 - 125	13	30
Methyl tert-butyl ether	<24		3040	2530		ug/Kg	☼	83	55 - 123	11	30
Naphthalene	<20		3040	2510		ug/Kg	☼	83	53 - 144	9	30
n-Butylbenzene	<24		3040	2910		ug/Kg	☼	96	68 - 125	8	30
N-Propylbenzene	<25		3040	2950		ug/Kg	☼	97	69 - 127	6	30
p-Isopropyltoluene	<22		3040	2780		ug/Kg	☼	91	70 - 125	8	30
sec-Butylbenzene	<24		3040	2840		ug/Kg	☼	94	70 - 123	8	30
Styrene	<23		3040	2910		ug/Kg	☼	96	70 - 120	9	30
tert-Butylbenzene	<24		3040	2700		ug/Kg	☼	89	70 - 121	6	30
1,1,1,2-Tetrachloroethane	<28		3040	2790		ug/Kg	☼	92	70 - 125	13	30
1,1,2,2-Tetrachloroethane	<24		3040	3070		ug/Kg	☼	101	62 - 140	7	30
Tetrachloroethene	<23		3040	2840		ug/Kg	☼	93	70 - 128	10	30
Toluene	<8.9		3040	2940		ug/Kg	☼	97	70 - 125	10	30
trans-1,2-Dichloroethene	<21		3040	2830		ug/Kg	☼	93	70 - 125	13	30
trans-1,3-Dichloropropene	<22		3040	2690		ug/Kg	☼	88	62 - 128	5	30
1,2,3-Trichlorobenzene	<28		3040	2720		ug/Kg	☼	90	51 - 145	10	30
1,2,4-Trichlorobenzene	<21		3040	2520		ug/Kg	☼	83	57 - 137	8	30
1,1,1-Trichloroethane	<23		3040	2700		ug/Kg	☼	89	70 - 125	11	30
1,1,2-Trichloroethane	<21		3040	3080		ug/Kg	☼	101	71 - 130	7	30
Trichloroethene	<10		3040	2490		ug/Kg	☼	82	70 - 125	8	30
Trichlorofluoromethane	<26		3040	3310		ug/Kg	☼	109	55 - 128	4	30
1,2,3-Trichloropropane	<25		3040	3140		ug/Kg	☼	103	50 - 133	6	30
1,2,4-Trimethylbenzene	<22		3040	2900		ug/Kg	☼	95	70 - 123	7	30
1,3,5-Trimethylbenzene	<23		3040	2880		ug/Kg	☼	95	70 - 123	7	30
Vinyl chloride	<16		3040	3290		ug/Kg	☼	108	64 - 126	3	30
Xylenes, Total	<13		6080	5550		ug/Kg	☼	91	70 - 125	10	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*72 - 124*
Dibromofluoromethane (Surr)	*99*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 126*
Toluene-d8 (Surr)	*106*		*75 - 120*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-609467/6
Matrix: Solid
Analysis Batch: 609467

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.25	0.15	ug/Kg			07/15/21 11:25	1
Bromobenzene	<0.36		1.0	0.36	ug/Kg			07/15/21 11:25	1
Bromochloromethane	<0.43		1.0	0.43	ug/Kg			07/15/21 11:25	1
Bromodichloromethane	<0.37		1.0	0.37	ug/Kg			07/15/21 11:25	1
Bromoform	<0.48		1.0	0.48	ug/Kg			07/15/21 11:25	1
Bromomethane	<0.80		3.0	0.80	ug/Kg			07/15/21 11:25	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/Kg			07/15/21 11:25	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/Kg			07/15/21 11:25	1
Chlorobenzene	<0.39		1.0	0.39	ug/Kg			07/15/21 11:25	1
Chloroethane	<0.50		1.0	0.50	ug/Kg			07/15/21 11:25	1
Chloroform	<0.37		2.0	0.37	ug/Kg			07/15/21 11:25	1
Chloromethane	<0.32		1.0	0.32	ug/Kg			07/15/21 11:25	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/Kg			07/15/21 11:25	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/Kg			07/15/21 11:25	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/Kg			07/15/21 11:25	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/Kg			07/15/21 11:25	1
Dibromochloromethane	<0.49		1.0	0.49	ug/Kg			07/15/21 11:25	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/Kg			07/15/21 11:25	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/Kg			07/15/21 11:25	1
Dibromomethane	<0.27		1.0	0.27	ug/Kg			07/15/21 11:25	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/Kg			07/15/21 11:25	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/Kg			07/15/21 11:25	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/Kg			07/15/21 11:25	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/Kg			07/15/21 11:25	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/Kg			07/15/21 11:25	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/Kg			07/15/21 11:25	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/Kg			07/15/21 11:25	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/Kg			07/15/21 11:25	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/Kg			07/15/21 11:25	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/Kg			07/15/21 11:25	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/Kg			07/15/21 11:25	1
Ethylbenzene	<0.18		0.25	0.18	ug/Kg			07/15/21 11:25	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/Kg			07/15/21 11:25	1
Isopropylbenzene	<0.38		1.0	0.38	ug/Kg			07/15/21 11:25	1
Isopropyl ether	<0.28		1.0	0.28	ug/Kg			07/15/21 11:25	1
Methylene Chloride	<1.6		5.0	1.6	ug/Kg			07/15/21 11:25	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/Kg			07/15/21 11:25	1
Naphthalene	0.382	J	1.0	0.33	ug/Kg			07/15/21 11:25	1
n-Butylbenzene	<0.39		1.0	0.39	ug/Kg			07/15/21 11:25	1
N-Propylbenzene	<0.41		1.0	0.41	ug/Kg			07/15/21 11:25	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/Kg			07/15/21 11:25	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/Kg			07/15/21 11:25	1
Styrene	<0.39		1.0	0.39	ug/Kg			07/15/21 11:25	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/Kg			07/15/21 11:25	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/Kg			07/15/21 11:25	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/Kg			07/15/21 11:25	1
Tetrachloroethene	<0.37		1.0	0.37	ug/Kg			07/15/21 11:25	1
Toluene	<0.15		0.25	0.15	ug/Kg			07/15/21 11:25	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-609467/6
Matrix: Solid
Analysis Batch: 609467

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/Kg			07/15/21 11:25	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/Kg			07/15/21 11:25	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/Kg			07/15/21 11:25	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/Kg			07/15/21 11:25	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/Kg			07/15/21 11:25	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/Kg			07/15/21 11:25	1
Trichloroethene	<0.16		0.50	0.16	ug/Kg			07/15/21 11:25	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/Kg			07/15/21 11:25	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/Kg			07/15/21 11:25	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/Kg			07/15/21 11:25	1
1,3,5-Trimethylbenzene	<0.38		1.0	0.38	ug/Kg			07/15/21 11:25	1
Vinyl chloride	<0.26		1.0	0.26	ug/Kg			07/15/21 11:25	1
Xylenes, Total	<0.22		0.50	0.22	ug/Kg			07/15/21 11:25	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*72 - 124*		*07/15/21 11:25*	*1*
Dibromofluoromethane (Surr)	*106*		*75 - 120*		*07/15/21 11:25*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 126*		*07/15/21 11:25*	*1*
Toluene-d8 (Surr)	*98*		*75 - 120*		*07/15/21 11:25*	*1*

Lab Sample ID: LCS 500-609467/28
Matrix: Solid
Analysis Batch: 609467

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	50.0	50.9		ug/Kg		102	70 - 120
Bromobenzene	50.0	51.6		ug/Kg		103	70 - 122
Bromochloromethane	50.0	60.3		ug/Kg		121	65 - 122
Bromodichloromethane	50.0	55.9		ug/Kg		112	69 - 120
Bromoform	50.0	66.6	*+	ug/Kg		133	56 - 132
Bromomethane	50.0	49.3		ug/Kg		99	40 - 152
2-Butanone (MEK)	50.0	55.2		ug/Kg		110	46 - 144
Carbon tetrachloride	50.0	46.7		ug/Kg		93	59 - 133
Chlorobenzene	50.0	53.3		ug/Kg		107	70 - 120
Chloroethane	50.0	51.8		ug/Kg		104	48 - 136
Chloroform	50.0	53.5		ug/Kg		107	70 - 120
Chloromethane	50.0	43.5		ug/Kg		87	56 - 152
2-Chlorotoluene	50.0	45.9		ug/Kg		92	70 - 125
4-Chlorotoluene	50.0	48.1		ug/Kg		96	68 - 124
cis-1,2-Dichloroethene	50.0	52.6		ug/Kg		105	70 - 125
cis-1,3-Dichloropropene	50.0	52.7		ug/Kg		105	64 - 127
Dibromochloromethane	50.0	57.8		ug/Kg		116	68 - 125
1,2-Dibromo-3-Chloropropane	50.0	60.3		ug/Kg		121	56 - 123
1,2-Dibromoethane	50.0	64.0	*+	ug/Kg		128	70 - 125
Dibromomethane	50.0	64.8	*+	ug/Kg		130	70 - 120
1,2-Dichlorobenzene	50.0	52.6		ug/Kg		105	70 - 125
1,3-Dichlorobenzene	50.0	49.5		ug/Kg		99	70 - 125
1,4-Dichlorobenzene	50.0	50.4		ug/Kg		101	70 - 120

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-609467/28
Matrix: Solid
Analysis Batch: 609467

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorodifluoromethane	50.0	50.3		ug/Kg		101	40 - 159
1,1-Dichloroethane	50.0	47.5		ug/Kg		95	70 - 125
1,2-Dichloroethane	50.0	58.6		ug/Kg		117	68 - 127
1,1-Dichloroethene	50.0	49.0		ug/Kg		98	67 - 122
1,2-Dichloropropane	50.0	50.8		ug/Kg		102	67 - 130
1,3-Dichloropropane	50.0	61.6		ug/Kg		123	62 - 136
2,2-Dichloropropane	50.0	47.0		ug/Kg		94	58 - 139
1,1-Dichloropropene	50.0	45.0		ug/Kg		90	70 - 121
Ethylbenzene	50.0	46.9		ug/Kg		94	70 - 123
Hexachlorobutadiene	50.0	48.6		ug/Kg		97	51 - 150
Isopropylbenzene	50.0	41.8		ug/Kg		84	70 - 126
Methylene Chloride	50.0	58.7		ug/Kg		117	69 - 125
Methyl tert-butyl ether	50.0	57.5		ug/Kg		115	55 - 123
Naphthalene	50.0	54.4		ug/Kg		109	53 - 144
n-Butylbenzene	50.0	43.6		ug/Kg		87	68 - 125
N-Propylbenzene	50.0	44.5		ug/Kg		89	69 - 127
p-Isopropyltoluene	50.0	42.8		ug/Kg		86	70 - 125
sec-Butylbenzene	50.0	41.9		ug/Kg		84	70 - 123
Styrene	50.0	53.0		ug/Kg		106	70 - 120
tert-Butylbenzene	50.0	40.8		ug/Kg		82	70 - 121
1,1,1,2-Tetrachloroethane	50.0	53.8		ug/Kg		108	70 - 125
1,1,2,2-Tetrachloroethane	50.0	61.3		ug/Kg		123	62 - 140
Tetrachloroethene	50.0	48.0		ug/Kg		96	70 - 128
Toluene	50.0	48.7		ug/Kg		97	70 - 125
trans-1,2-Dichloroethene	50.0	50.7		ug/Kg		101	70 - 125
trans-1,3-Dichloropropene	50.0	54.1		ug/Kg		108	62 - 128
1,2,3-Trichlorobenzene	50.0	53.7		ug/Kg		107	51 - 145
1,2,4-Trichlorobenzene	50.0	50.6		ug/Kg		101	57 - 137
1,1,1-Trichloroethane	50.0	48.2		ug/Kg		96	70 - 125
1,1,2-Trichloroethane	50.0	63.3		ug/Kg		127	71 - 130
Trichloroethene	50.0	48.9		ug/Kg		98	70 - 125
Trichlorofluoromethane	50.0	45.8		ug/Kg		92	55 - 128
1,2,3-Trichloropropane	50.0	64.0		ug/Kg		128	50 - 133
1,2,4-Trimethylbenzene	50.0	46.2		ug/Kg		92	70 - 123
1,3,5-Trimethylbenzene	50.0	44.7		ug/Kg		89	70 - 123
Vinyl chloride	50.0	48.7		ug/Kg		97	64 - 126
Xylenes, Total	100	94.2		ug/Kg		94	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*72 - 124*
Dibromofluoromethane (Surr)	*110*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*118*		*75 - 126*
Toluene-d8 (Surr)	*97*		*75 - 120*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-609670/7
Matrix: Solid
Analysis Batch: 609670

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.25	0.15	ug/Kg			07/16/21 11:14	1
Bromobenzene	<0.36		1.0	0.36	ug/Kg			07/16/21 11:14	1
Bromochloromethane	<0.43		1.0	0.43	ug/Kg			07/16/21 11:14	1
Bromodichloromethane	<0.37		1.0	0.37	ug/Kg			07/16/21 11:14	1
Bromoform	<0.48		1.0	0.48	ug/Kg			07/16/21 11:14	1
Bromomethane	<0.80		3.0	0.80	ug/Kg			07/16/21 11:14	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/Kg			07/16/21 11:14	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/Kg			07/16/21 11:14	1
Chlorobenzene	<0.39		1.0	0.39	ug/Kg			07/16/21 11:14	1
Chloroethane	<0.50		1.0	0.50	ug/Kg			07/16/21 11:14	1
Chloroform	<0.37		2.0	0.37	ug/Kg			07/16/21 11:14	1
Chloromethane	<0.32		1.0	0.32	ug/Kg			07/16/21 11:14	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/Kg			07/16/21 11:14	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/Kg			07/16/21 11:14	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/Kg			07/16/21 11:14	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/Kg			07/16/21 11:14	1
Dibromochloromethane	<0.49		1.0	0.49	ug/Kg			07/16/21 11:14	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/Kg			07/16/21 11:14	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/Kg			07/16/21 11:14	1
Dibromomethane	<0.27		1.0	0.27	ug/Kg			07/16/21 11:14	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/Kg			07/16/21 11:14	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/Kg			07/16/21 11:14	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/Kg			07/16/21 11:14	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/Kg			07/16/21 11:14	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/Kg			07/16/21 11:14	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/Kg			07/16/21 11:14	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/Kg			07/16/21 11:14	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/Kg			07/16/21 11:14	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/Kg			07/16/21 11:14	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/Kg			07/16/21 11:14	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/Kg			07/16/21 11:14	1
Ethylbenzene	<0.18		0.25	0.18	ug/Kg			07/16/21 11:14	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/Kg			07/16/21 11:14	1
Isopropylbenzene	<0.38		1.0	0.38	ug/Kg			07/16/21 11:14	1
Isopropyl ether	<0.28		1.0	0.28	ug/Kg			07/16/21 11:14	1
Methylene Chloride	<1.6		5.0	1.6	ug/Kg			07/16/21 11:14	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/Kg			07/16/21 11:14	1
Naphthalene	<0.33		1.0	0.33	ug/Kg			07/16/21 11:14	1
n-Butylbenzene	<0.39		1.0	0.39	ug/Kg			07/16/21 11:14	1
N-Propylbenzene	<0.41		1.0	0.41	ug/Kg			07/16/21 11:14	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/Kg			07/16/21 11:14	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/Kg			07/16/21 11:14	1
Styrene	<0.39		1.0	0.39	ug/Kg			07/16/21 11:14	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/Kg			07/16/21 11:14	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/Kg			07/16/21 11:14	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/Kg			07/16/21 11:14	1
Tetrachloroethene	<0.37		1.0	0.37	ug/Kg			07/16/21 11:14	1
Toluene	<0.15		0.25	0.15	ug/Kg			07/16/21 11:14	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-609670/7
Matrix: Solid
Analysis Batch: 609670

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/Kg			07/16/21 11:14	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/Kg			07/16/21 11:14	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/Kg			07/16/21 11:14	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/Kg			07/16/21 11:14	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/Kg			07/16/21 11:14	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/Kg			07/16/21 11:14	1
Trichloroethene	<0.16		0.50	0.16	ug/Kg			07/16/21 11:14	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/Kg			07/16/21 11:14	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/Kg			07/16/21 11:14	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/Kg			07/16/21 11:14	1
1,3,5-Trimethylbenzene	<0.38		1.0	0.38	ug/Kg			07/16/21 11:14	1
Vinyl chloride	<0.26		1.0	0.26	ug/Kg			07/16/21 11:14	1
Xylenes, Total	<0.22		0.50	0.22	ug/Kg			07/16/21 11:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*72 - 124*		*07/16/21 11:14*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 120*		*07/16/21 11:14*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*75 - 126*		*07/16/21 11:14*	*1*
Toluene-d8 (Surr)	*107*		*75 - 120*		*07/16/21 11:14*	*1*

Lab Sample ID: MB 500-609909/6
Matrix: Solid
Analysis Batch: 609909

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.25	0.15	ug/Kg			07/19/21 12:41	1
Bromobenzene	<0.36		1.0	0.36	ug/Kg			07/19/21 12:41	1
Bromochloromethane	<0.43		1.0	0.43	ug/Kg			07/19/21 12:41	1
Bromodichloromethane	<0.37		1.0	0.37	ug/Kg			07/19/21 12:41	1
Bromoform	<0.48		1.0	0.48	ug/Kg			07/19/21 12:41	1
Bromomethane	<0.80		3.0	0.80	ug/Kg			07/19/21 12:41	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/Kg			07/19/21 12:41	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/Kg			07/19/21 12:41	1
Chlorobenzene	<0.39		1.0	0.39	ug/Kg			07/19/21 12:41	1
Chloroethane	<0.50		1.0	0.50	ug/Kg			07/19/21 12:41	1
Chloroform	<0.37		2.0	0.37	ug/Kg			07/19/21 12:41	1
Chloromethane	<0.32		1.0	0.32	ug/Kg			07/19/21 12:41	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/Kg			07/19/21 12:41	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/Kg			07/19/21 12:41	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/Kg			07/19/21 12:41	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/Kg			07/19/21 12:41	1
Dibromochloromethane	<0.49		1.0	0.49	ug/Kg			07/19/21 12:41	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/Kg			07/19/21 12:41	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/Kg			07/19/21 12:41	1
Dibromomethane	<0.27		1.0	0.27	ug/Kg			07/19/21 12:41	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/Kg			07/19/21 12:41	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/Kg			07/19/21 12:41	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/Kg			07/19/21 12:41	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-609909/6
Matrix: Solid
Analysis Batch: 609909

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/Kg			07/19/21 12:41	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/Kg			07/19/21 12:41	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/Kg			07/19/21 12:41	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/Kg			07/19/21 12:41	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/Kg			07/19/21 12:41	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/Kg			07/19/21 12:41	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/Kg			07/19/21 12:41	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/Kg			07/19/21 12:41	1
Ethylbenzene	<0.18		0.25	0.18	ug/Kg			07/19/21 12:41	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/Kg			07/19/21 12:41	1
Isopropylbenzene	<0.38		1.0	0.38	ug/Kg			07/19/21 12:41	1
Isopropyl ether	<0.28		1.0	0.28	ug/Kg			07/19/21 12:41	1
Methylene Chloride	<1.6		5.0	1.6	ug/Kg			07/19/21 12:41	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/Kg			07/19/21 12:41	1
Naphthalene	<0.33		1.0	0.33	ug/Kg			07/19/21 12:41	1
n-Butylbenzene	<0.39		1.0	0.39	ug/Kg			07/19/21 12:41	1
N-Propylbenzene	<0.41		1.0	0.41	ug/Kg			07/19/21 12:41	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/Kg			07/19/21 12:41	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/Kg			07/19/21 12:41	1
Styrene	<0.39		1.0	0.39	ug/Kg			07/19/21 12:41	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/Kg			07/19/21 12:41	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/Kg			07/19/21 12:41	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/Kg			07/19/21 12:41	1
Tetrachloroethene	<0.37		1.0	0.37	ug/Kg			07/19/21 12:41	1
Toluene	<0.15		0.25	0.15	ug/Kg			07/19/21 12:41	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/Kg			07/19/21 12:41	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/Kg			07/19/21 12:41	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/Kg			07/19/21 12:41	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/Kg			07/19/21 12:41	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/Kg			07/19/21 12:41	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/Kg			07/19/21 12:41	1
Trichloroethene	<0.16		0.50	0.16	ug/Kg			07/19/21 12:41	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/Kg			07/19/21 12:41	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/Kg			07/19/21 12:41	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/Kg			07/19/21 12:41	1
1,3,5-Trimethylbenzene	<0.38		1.0	0.38	ug/Kg			07/19/21 12:41	1
Vinyl chloride	<0.26		1.0	0.26	ug/Kg			07/19/21 12:41	1
Xylenes, Total	<0.22		0.50	0.22	ug/Kg			07/19/21 12:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*72 - 124*		*07/19/21 12:41*	*1*
Dibromofluoromethane (Surr)	*108*		*75 - 120*		*07/19/21 12:41*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*75 - 126*		*07/19/21 12:41*	*1*
Toluene-d8 (Surr)	*103*		*75 - 120*		*07/19/21 12:41*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-609909/4
Matrix: Solid
Analysis Batch: 609909

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	50.0	50.6		ug/Kg		101	70 - 120
Bromobenzene	50.0	47.8		ug/Kg		96	70 - 122
Bromochloromethane	50.0	48.6		ug/Kg		97	65 - 122
Bromodichloromethane	50.0	47.2		ug/Kg		94	69 - 120
Bromoform	50.0	50.5		ug/Kg		101	56 - 132
Bromomethane	50.0	79.3	*+	ug/Kg		159	40 - 152
2-Butanone (MEK)	50.0	45.9		ug/Kg		92	46 - 144
Carbon tetrachloride	50.0	48.6		ug/Kg		97	59 - 133
Chlorobenzene	50.0	52.2		ug/Kg		104	70 - 120
Chloroethane	50.0	79.2	*+	ug/Kg		158	48 - 136
Chloroform	50.0	50.5		ug/Kg		101	70 - 120
Chloromethane	50.0	52.1		ug/Kg		104	56 - 152
2-Chlorotoluene	50.0	51.4		ug/Kg		103	70 - 125
4-Chlorotoluene	50.0	51.5		ug/Kg		103	68 - 124
cis-1,2-Dichloroethene	50.0	49.3		ug/Kg		99	70 - 125
cis-1,3-Dichloropropene	50.0	49.5		ug/Kg		99	64 - 127
Dibromochloromethane	50.0	50.0		ug/Kg		100	68 - 125
1,2-Dibromo-3-Chloropropane	50.0	54.3		ug/Kg		109	56 - 123
1,2-Dibromoethane	50.0	51.5		ug/Kg		103	70 - 125
Dibromomethane	50.0	50.2		ug/Kg		100	70 - 120
1,2-Dichlorobenzene	50.0	50.9		ug/Kg		102	70 - 125
1,3-Dichlorobenzene	50.0	49.3		ug/Kg		99	70 - 125
1,4-Dichlorobenzene	50.0	49.2		ug/Kg		98	70 - 120
Dichlorodifluoromethane	50.0	61.6		ug/Kg		123	40 - 159
1,1-Dichloroethane	50.0	51.2		ug/Kg		102	70 - 125
1,2-Dichloroethane	50.0	50.8		ug/Kg		102	68 - 127
1,1-Dichloroethene	50.0	53.2		ug/Kg		106	67 - 122
1,2-Dichloropropane	50.0	48.2		ug/Kg		96	67 - 130
1,3-Dichloropropane	50.0	52.8		ug/Kg		106	62 - 136
2,2-Dichloropropane	50.0	48.6		ug/Kg		97	58 - 139
1,1-Dichloropropene	50.0	48.4		ug/Kg		97	70 - 121
Ethylbenzene	50.0	51.4		ug/Kg		103	70 - 123
Hexachlorobutadiene	50.0	56.8		ug/Kg		114	51 - 150
Isopropylbenzene	50.0	49.9		ug/Kg		100	70 - 126
Methylene Chloride	50.0	54.3		ug/Kg		109	69 - 125
Methyl tert-butyl ether	50.0	48.2		ug/Kg		96	55 - 123
Naphthalene	50.0	50.4		ug/Kg		101	53 - 144
n-Butylbenzene	50.0	53.7		ug/Kg		107	68 - 125
N-Propylbenzene	50.0	52.2		ug/Kg		104	69 - 127
p-Isopropyltoluene	50.0	51.0		ug/Kg		102	70 - 125
sec-Butylbenzene	50.0	51.6		ug/Kg		103	70 - 123
Styrene	50.0	52.1		ug/Kg		104	70 - 120
tert-Butylbenzene	50.0	48.7		ug/Kg		97	70 - 121
1,1,1,2-Tetrachloroethane	50.0	53.3		ug/Kg		107	70 - 125
1,1,2,2-Tetrachloroethane	50.0	53.1		ug/Kg		106	62 - 140
Tetrachloroethene	50.0	53.2		ug/Kg		106	70 - 128
Toluene	50.0	54.8		ug/Kg		110	70 - 125
trans-1,2-Dichloroethene	50.0	54.1		ug/Kg		108	70 - 125

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-609909/4
Matrix: Solid
Analysis Batch: 609909

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
trans-1,3-Dichloropropene	50.0	46.5		ug/Kg		93	62 - 128
1,2,3-Trichlorobenzene	50.0	54.1		ug/Kg		108	51 - 145
1,2,4-Trichlorobenzene	50.0	49.9		ug/Kg		100	57 - 137
1,1,1-Trichloroethane	50.0	50.1		ug/Kg		100	70 - 125
1,1,2-Trichloroethane	50.0	54.1		ug/Kg		108	71 - 130
Trichloroethene	50.0	45.7		ug/Kg		91	70 - 125
Trichlorofluoromethane	50.0	54.9		ug/Kg		110	55 - 128
1,2,3-Trichloropropane	50.0	53.0		ug/Kg		106	50 - 133
1,2,4-Trimethylbenzene	50.0	51.6		ug/Kg		103	70 - 123
1,3,5-Trimethylbenzene	50.0	51.9		ug/Kg		104	70 - 123
Vinyl chloride	50.0	54.1		ug/Kg		108	64 - 126
Xylenes, Total	100	101		ug/Kg		101	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*92*		*72 - 124*
Dibromofluoromethane (Surr)	*100*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 126*
Toluene-d8 (Surr)	*108*		*75 - 120*

Lab Sample ID: MB 500-609910/6
Matrix: Water
Analysis Batch: 609910

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			07/19/21 12:41	1
Bromobenzene	<0.36		1.0	0.36	ug/L			07/19/21 12:41	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			07/19/21 12:41	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			07/19/21 12:41	1
Bromoform	<0.48		1.0	0.48	ug/L			07/19/21 12:41	1
Bromomethane	<0.80		3.0	0.80	ug/L			07/19/21 12:41	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			07/19/21 12:41	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			07/19/21 12:41	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			07/19/21 12:41	1
Chloroethane	<0.51		1.0	0.51	ug/L			07/19/21 12:41	1
Chloroform	<0.37		2.0	0.37	ug/L			07/19/21 12:41	1
Chloromethane	<0.32		1.0	0.32	ug/L			07/19/21 12:41	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			07/19/21 12:41	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			07/19/21 12:41	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			07/19/21 12:41	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			07/19/21 12:41	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			07/19/21 12:41	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			07/19/21 12:41	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			07/19/21 12:41	1
Dibromomethane	<0.27		1.0	0.27	ug/L			07/19/21 12:41	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			07/19/21 12:41	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			07/19/21 12:41	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			07/19/21 12:41	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			07/19/21 12:41	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-609910/6
Matrix: Water
Analysis Batch: 609910

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			07/19/21 12:41	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			07/19/21 12:41	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			07/19/21 12:41	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			07/19/21 12:41	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			07/19/21 12:41	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			07/19/21 12:41	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			07/19/21 12:41	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			07/19/21 12:41	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			07/19/21 12:41	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			07/19/21 12:41	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			07/19/21 12:41	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			07/19/21 12:41	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			07/19/21 12:41	1
Naphthalene	<0.34		1.0	0.34	ug/L			07/19/21 12:41	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			07/19/21 12:41	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			07/19/21 12:41	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			07/19/21 12:41	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			07/19/21 12:41	1
Styrene	<0.39		1.0	0.39	ug/L			07/19/21 12:41	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			07/19/21 12:41	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			07/19/21 12:41	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			07/19/21 12:41	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			07/19/21 12:41	1
Toluene	<0.15		0.50	0.15	ug/L			07/19/21 12:41	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			07/19/21 12:41	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			07/19/21 12:41	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			07/19/21 12:41	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			07/19/21 12:41	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			07/19/21 12:41	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			07/19/21 12:41	1
Trichloroethene	<0.16		0.50	0.16	ug/L			07/19/21 12:41	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			07/19/21 12:41	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			07/19/21 12:41	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			07/19/21 12:41	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			07/19/21 12:41	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			07/19/21 12:41	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			07/19/21 12:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*72 - 124*		*07/19/21 12:41*	*1*
Dibromofluoromethane (Surr)	*108*		*75 - 120*		*07/19/21 12:41*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*75 - 126*		*07/19/21 12:41*	*1*
Toluene-d8 (Surr)	*103*		*75 - 120*		*07/19/21 12:41*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-609910/4
Matrix: Water
Analysis Batch: 609910

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	50.0	50.6		ug/L		101	70 - 120
Bromobenzene	50.0	47.8		ug/L		96	70 - 122
Bromochloromethane	50.0	48.6		ug/L		97	65 - 122
Bromodichloromethane	50.0	47.2		ug/L		94	69 - 120
Bromoform	50.0	50.5		ug/L		101	56 - 132
Bromomethane	50.0	79.3	*+	ug/L		159	40 - 152
2-Butanone (MEK)	50.0	45.9		ug/L		92	46 - 144
Carbon tetrachloride	50.0	48.6		ug/L		97	59 - 133
Chlorobenzene	50.0	52.2		ug/L		104	70 - 120
Chloroethane	50.0	79.2	*+	ug/L		158	48 - 136
Chloroform	50.0	50.5		ug/L		101	70 - 120
Chloromethane	50.0	52.1		ug/L		104	56 - 152
2-Chlorotoluene	50.0	51.4		ug/L		103	70 - 125
4-Chlorotoluene	50.0	51.5		ug/L		103	68 - 124
cis-1,2-Dichloroethene	50.0	49.3		ug/L		99	70 - 125
cis-1,3-Dichloropropene	50.0	49.5		ug/L		99	64 - 127
Dibromochloromethane	50.0	50.0		ug/L		100	68 - 125
1,2-Dibromo-3-Chloropropane	50.0	54.3		ug/L		109	56 - 123
1,2-Dibromoethane	50.0	51.5		ug/L		103	70 - 125
Dibromomethane	50.0	50.2		ug/L		100	70 - 120
1,2-Dichlorobenzene	50.0	50.9		ug/L		102	70 - 125
1,3-Dichlorobenzene	50.0	49.3		ug/L		99	70 - 125
1,4-Dichlorobenzene	50.0	49.2		ug/L		98	70 - 120
Dichlorodifluoromethane	50.0	61.6		ug/L		123	40 - 159
1,1-Dichloroethane	50.0	51.2		ug/L		102	70 - 125
1,2-Dichloroethane	50.0	50.8		ug/L		102	68 - 127
1,1-Dichloroethene	50.0	53.2		ug/L		106	67 - 122
1,2-Dichloropropane	50.0	48.2		ug/L		96	67 - 130
1,3-Dichloropropane	50.0	52.8		ug/L		106	62 - 136
2,2-Dichloropropane	50.0	48.6		ug/L		97	58 - 139
1,1-Dichloropropene	50.0	48.4		ug/L		97	70 - 121
Ethylbenzene	50.0	51.4		ug/L		103	70 - 123
Hexachlorobutadiene	50.0	56.8		ug/L		114	51 - 150
Isopropylbenzene	50.0	49.9		ug/L		100	70 - 126
Methylene Chloride	50.0	54.3		ug/L		109	69 - 125
Methyl tert-butyl ether	50.0	48.2		ug/L		96	55 - 123
Naphthalene	50.0	50.4		ug/L		101	53 - 144
n-Butylbenzene	50.0	53.7		ug/L		107	68 - 125
N-Propylbenzene	50.0	52.2		ug/L		104	69 - 127
p-Isopropyltoluene	50.0	51.0		ug/L		102	70 - 125
sec-Butylbenzene	50.0	51.6		ug/L		103	70 - 123
Styrene	50.0	52.1		ug/L		104	70 - 120
tert-Butylbenzene	50.0	48.7		ug/L		97	70 - 121
1,1,1,2-Tetrachloroethane	50.0	53.3		ug/L		107	70 - 125
1,1,2,2-Tetrachloroethane	50.0	53.1		ug/L		106	62 - 140
Tetrachloroethene	50.0	53.2		ug/L		106	70 - 128
Toluene	50.0	54.8		ug/L		110	70 - 125
trans-1,2-Dichloroethene	50.0	54.1		ug/L		108	70 - 125

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-609910/4
Matrix: Water
Analysis Batch: 609910

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
trans-1,3-Dichloropropene	50.0	46.5		ug/L		93	62 - 128
1,2,3-Trichlorobenzene	50.0	54.1		ug/L		108	51 - 145
1,2,4-Trichlorobenzene	50.0	49.9		ug/L		100	57 - 137
1,1,1-Trichloroethane	50.0	50.1		ug/L		100	70 - 125
1,1,2-Trichloroethane	50.0	54.1		ug/L		108	71 - 130
Trichloroethene	50.0	45.7		ug/L		91	70 - 125
Trichlorofluoromethane	50.0	54.9		ug/L		110	55 - 128
1,2,3-Trichloropropane	50.0	53.0		ug/L		106	50 - 133
1,2,4-Trimethylbenzene	50.0	51.6		ug/L		103	70 - 123
1,3,5-Trimethylbenzene	50.0	51.9		ug/L		104	70 - 123
Vinyl chloride	50.0	54.1		ug/L		108	64 - 126
Xylenes, Total	100	101		ug/L		101	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*92*		*72 - 124*
Dibromofluoromethane (Surr)	*100*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 126*
Toluene-d8 (Surr)	*108*		*75 - 120*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 500-609019/1-A
Matrix: Water
Analysis Batch: 609090

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 609019

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.25		0.80	0.25	ug/L		07/13/21 06:29	07/13/21 15:54	1
Acenaphthylene	<0.21		0.80	0.21	ug/L		07/13/21 06:29	07/13/21 15:54	1
Anthracene	<0.27		0.80	0.27	ug/L		07/13/21 06:29	07/13/21 15:54	1
Benzo[a]anthracene	<0.045		0.16	0.045	ug/L		07/13/21 06:29	07/13/21 15:54	1
Benzo[a]pyrene	<0.079		0.16	0.079	ug/L		07/13/21 06:29	07/13/21 15:54	1
Benzo[b]fluoranthene	<0.065		0.16	0.065	ug/L		07/13/21 06:29	07/13/21 15:54	1
Benzo[g,h,i]perylene	<0.30		0.80	0.30	ug/L		07/13/21 06:29	07/13/21 15:54	1
Benzo[k]fluoranthene	<0.051		0.16	0.051	ug/L		07/13/21 06:29	07/13/21 15:54	1
Chrysene	<0.055		0.16	0.055	ug/L		07/13/21 06:29	07/13/21 15:54	1
Dibenz(a,h)anthracene	<0.041		0.24	0.041	ug/L		07/13/21 06:29	07/13/21 15:54	1
Fluoranthene	<0.36		0.80	0.36	ug/L		07/13/21 06:29	07/13/21 15:54	1
Fluorene	<0.20		0.80	0.20	ug/L		07/13/21 06:29	07/13/21 15:54	1
Indeno[1,2,3-cd]pyrene	<0.060		0.16	0.060	ug/L		07/13/21 06:29	07/13/21 15:54	1
Naphthalene	<0.25		0.80	0.25	ug/L		07/13/21 06:29	07/13/21 15:54	1
Phenanthrene	<0.24		0.80	0.24	ug/L		07/13/21 06:29	07/13/21 15:54	1
Pyrene	<0.34		0.80	0.34	ug/L		07/13/21 06:29	07/13/21 15:54	1
1-Methylnaphthalene	<0.24		1.6	0.24	ug/L		07/13/21 06:29	07/13/21 15:54	1
2-Methylnaphthalene	<0.052		1.6	0.052	ug/L		07/13/21 06:29	07/13/21 15:54	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*61*		*36 - 120*	*07/13/21 06:29*	*07/13/21 15:54*	*1*
Terphenyl-d14 (Surr)	*99*		*40 - 145*	*07/13/21 06:29*	*07/13/21 15:54*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-609019/1-A
Matrix: Water
Analysis Batch: 609090

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 609019

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	62		34 - 110	07/13/21 06:29	07/13/21 15:54	1

Lab Sample ID: LCS 500-609019/2-A
Matrix: Water
Analysis Batch: 609090

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 609019

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	32.0	27.1		ug/L		85	46 - 110
Acenaphthylene	32.0	26.5		ug/L		83	47 - 113
Anthracene	32.0	31.1		ug/L		97	67 - 118
Benzo[a]anthracene	32.0	33.6		ug/L		105	70 - 126
Benzo[a]pyrene	32.0	40.0		ug/L		125	70 - 135
Benzo[b]fluoranthene	32.0	35.3		ug/L		110	69 - 136
Benzo[g,h,i]perylene	32.0	28.4		ug/L		89	70 - 135
Benzo[k]fluoranthene	32.0	33.7		ug/L		105	70 - 133
Chrysene	32.0	33.4		ug/L		104	68 - 129
Dibenz(a,h)anthracene	32.0	31.6		ug/L		99	70 - 134
Fluoranthene	32.0	32.4		ug/L		101	68 - 126
Fluorene	32.0	26.5		ug/L		83	53 - 120
Indeno[1,2,3-cd]pyrene	32.0	30.7		ug/L		96	65 - 133
Naphthalene	32.0	20.7		ug/L		65	36 - 110
Phenanthrene	32.0	31.0		ug/L		97	65 - 120
Pyrene	32.0	33.3		ug/L		104	70 - 126
1-Methylnaphthalene	32.0	20.9		ug/L		65	38 - 110
2-Methylnaphthalene	32.0	20.8		ug/L		65	34 - 110

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Nitrobenzene-d5 (Surr)	69		36 - 120
Terphenyl-d14 (Surr)	106		40 - 145
2-Fluorobiphenyl (Surr)	75		34 - 110

Lab Sample ID: LCSD 500-609019/3-A
Matrix: Water
Analysis Batch: 609090

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 609019

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	32.0	21.6	*1	ug/L		67	46 - 110	23	20
Acenaphthylene	32.0	22.3		ug/L		70	47 - 113	17	20
Anthracene	32.0	30.1		ug/L		94	67 - 118	3	20
Benzo[a]anthracene	32.0	33.0		ug/L		103	70 - 126	2	20
Benzo[a]pyrene	32.0	38.8		ug/L		121	70 - 135	3	20
Benzo[b]fluoranthene	32.0	33.7		ug/L		105	69 - 136	5	20
Benzo[g,h,i]perylene	32.0	29.9		ug/L		93	70 - 135	5	20
Benzo[k]fluoranthene	32.0	35.3		ug/L		110	70 - 133	5	20
Chrysene	32.0	33.8		ug/L		106	68 - 129	1	20
Dibenz(a,h)anthracene	32.0	32.6		ug/L		102	70 - 134	3	20
Fluoranthene	32.0	32.7		ug/L		102	68 - 126	1	20
Fluorene	32.0	24.4		ug/L		76	53 - 120	8	20

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 500-609019/3-A
Matrix: Water
Analysis Batch: 609090

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 609019

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Indeno[1,2,3-cd]pyrene			32.0	31.8		ug/L		99	65 - 133	3	20
Naphthalene			32.0	15.3	*1	ug/L		48	36 - 110	30	20
Phenanthrene			32.0	29.8		ug/L		93	65 - 120	4	20
Pyrene			32.0	35.3		ug/L		110	70 - 126	6	20
1-Methylnaphthalene			32.0	15.8	*1	ug/L		49	38 - 110	28	20
2-Methylnaphthalene			32.0	15.4	*1	ug/L		48	34 - 110	30	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*50*		*36 - 120*
Terphenyl-d14 (Surr)	*111*		*40 - 145*
2-Fluorobiphenyl (Surr)	*59*		*34 - 110*

Lab Sample ID: MB 500-610064/1-A
Matrix: Solid
Analysis Batch: 610159

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 610064

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<6.0		33	6.0	ug/Kg		07/19/21 17:06	07/20/21 11:26	1
Acenaphthylene	<4.4		33	4.4	ug/Kg		07/19/21 17:06	07/20/21 11:26	1
Anthracene	<5.6		33	5.6	ug/Kg		07/19/21 17:06	07/20/21 11:26	1
Benzo[a]anthracene	<4.5		33	4.5	ug/Kg		07/19/21 17:06	07/20/21 11:26	1
Benzo[a]pyrene	<6.4		33	6.4	ug/Kg		07/19/21 17:06	07/20/21 11:26	1
Benzo[b]fluoranthene	<7.2		33	7.2	ug/Kg		07/19/21 17:06	07/20/21 11:26	1
Benzo[g,h,i]perylene	<11		33	11	ug/Kg		07/19/21 17:06	07/20/21 11:26	1
Benzo[k]fluoranthene	<9.8		33	9.8	ug/Kg		07/19/21 17:06	07/20/21 11:26	1
Chrysene	<9.1		33	9.1	ug/Kg		07/19/21 17:06	07/20/21 11:26	1
Dibenz(a,h)anthracene	<6.4		33	6.4	ug/Kg		07/19/21 17:06	07/20/21 11:26	1
Fluoranthene	<6.2		33	6.2	ug/Kg		07/19/21 17:06	07/20/21 11:26	1
Fluorene	<4.7		33	4.7	ug/Kg		07/19/21 17:06	07/20/21 11:26	1
Indeno[1,2,3-cd]pyrene	<8.6		33	8.6	ug/Kg		07/19/21 17:06	07/20/21 11:26	1
Naphthalene	<5.1		33	5.1	ug/Kg		07/19/21 17:06	07/20/21 11:26	1
Phenanthrene	<4.6		33	4.6	ug/Kg		07/19/21 17:06	07/20/21 11:26	1
Pyrene	<6.6		33	6.6	ug/Kg		07/19/21 17:06	07/20/21 11:26	1
1-Methylnaphthalene	<8.1		67	8.1	ug/Kg		07/19/21 17:06	07/20/21 11:26	1
2-Methylnaphthalene	<6.1		67	6.1	ug/Kg		07/19/21 17:06	07/20/21 11:26	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*89*		*37 - 147*	*07/19/21 17:06*	*07/20/21 11:26*	*1*
Terphenyl-d14 (Surr)	*103*		*42 - 157*	*07/19/21 17:06*	*07/20/21 11:26*	*1*
2-Fluorobiphenyl (Surr)	*90*		*43 - 145*	*07/19/21 17:06*	*07/20/21 11:26*	*1*

Lab Sample ID: LCS 500-610064/2-A
Matrix: Solid
Analysis Batch: 610159

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 610064

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene			1330	1170		ug/Kg		88	65 - 124
Acenaphthylene			1330	1190		ug/Kg		89	68 - 120

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-610064/2-A
Matrix: Solid
Analysis Batch: 610159

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 610064

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Anthracene	1330	1170		ug/Kg		88	70 - 114
Benzo[a]anthracene	1330	1190		ug/Kg		89	67 - 122
Benzo[a]pyrene	1330	1340		ug/Kg		100	65 - 133
Benzo[b]fluoranthene	1330	1210		ug/Kg		91	69 - 129
Benzo[g,h,i]perylene	1330	1300		ug/Kg		97	72 - 131
Benzo[k]fluoranthene	1330	1230		ug/Kg		93	68 - 127
Chrysene	1330	1170		ug/Kg		88	63 - 120
Dibenz(a,h)anthracene	1330	1350		ug/Kg		102	64 - 131
Fluoranthene	1330	1160		ug/Kg		87	62 - 120
Fluorene	1330	1160		ug/Kg		87	62 - 120
Indeno[1,2,3-cd]pyrene	1330	1290		ug/Kg		97	68 - 130
Naphthalene	1330	1090		ug/Kg		82	63 - 110
Phenanthrene	1330	1160		ug/Kg		87	62 - 120
Pyrene	1330	1200		ug/Kg		90	61 - 128
1-Methylnaphthalene	1330	1110		ug/Kg		83	68 - 111
2-Methylnaphthalene	1330	1090		ug/Kg		82	69 - 112

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*97*		*37 - 147*
Terphenyl-d14 (Surr)	*103*		*42 - 157*
2-Fluorobiphenyl (Surr)	*94*		*43 - 145*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 500-608898/1-A
Matrix: Water
Analysis Batch: 609160

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 608898

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.067		0.40	0.067	ug/L		07/12/21 10:42	07/13/21 13:57	1
PCB-1221	<0.20		0.40	0.20	ug/L		07/12/21 10:42	07/13/21 13:57	1
PCB-1232	<0.20		0.40	0.20	ug/L		07/12/21 10:42	07/13/21 13:57	1
PCB-1242	<0.20		0.40	0.20	ug/L		07/12/21 10:42	07/13/21 13:57	1
PCB-1248	<0.20		0.40	0.20	ug/L		07/12/21 10:42	07/13/21 13:57	1
PCB-1254	<0.20		0.40	0.20	ug/L		07/12/21 10:42	07/13/21 13:57	1
PCB-1260	<0.070		0.40	0.070	ug/L		07/12/21 10:42	07/13/21 13:57	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*74*		*30 - 120*	*07/12/21 10:42*	*07/13/21 13:57*	*1*
DCB Decachlorobiphenyl	*108*		*30 - 140*	*07/12/21 10:42*	*07/13/21 13:57*	*1*

Lab Sample ID: LCS 500-608898/2-A
Matrix: Water
Analysis Batch: 609160

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 608898

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	4.00	3.52		ug/L		88	56 - 120
PCB-1260	4.00	4.65		ug/L		116	53 - 137

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCS 500-608898/2-A
Matrix: Water
Analysis Batch: 609160

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 608898

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*56*		*30 - 120*
DCB Decachlorobiphenyl	*109*		*30 - 140*

Lab Sample ID: MB 500-610096/1-A
Matrix: Solid
Analysis Batch: 610222

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 610096

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<6.6		17	6.6	ug/Kg		07/20/21 06:29	07/20/21 15:36	1
PCB-1221	<6.6		17	6.6	ug/Kg		07/20/21 06:29	07/20/21 15:36	1
PCB-1232	<4.5		17	4.5	ug/Kg		07/20/21 06:29	07/20/21 15:36	1
PCB-1242	<6.5		17	6.5	ug/Kg		07/20/21 06:29	07/20/21 15:36	1
PCB-1248	<7.9		17	7.9	ug/Kg		07/20/21 06:29	07/20/21 15:36	1
PCB-1254	<5.7		17	5.7	ug/Kg		07/20/21 06:29	07/20/21 15:36	1
PCB-1260	<6.3		17	6.3	ug/Kg		07/20/21 06:29	07/20/21 15:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*100*		*49 - 129*	*07/20/21 06:29*	*07/20/21 15:36*	*1*
DCB Decachlorobiphenyl	*112*		*37 - 121*	*07/20/21 06:29*	*07/20/21 15:36*	*1*

Lab Sample ID: LCS 500-610096/3-A
Matrix: Solid
Analysis Batch: 610222

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 610096

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016			167	168		ug/Kg		101	57 - 120		
PCB-1260			167	185		ug/Kg		111	61 - 125		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*98*		*49 - 129*
DCB Decachlorobiphenyl	*114*		*37 - 121*

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-506020/1-A
Matrix: Water
Analysis Batch: 507446

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 506020

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.4		5.0	2.4	ng/L		07/13/21 04:51	07/16/21 13:29	1
Perfluoropentanoic acid (PFPeA)	<0.49		2.0	0.49	ng/L		07/13/21 04:51	07/16/21 13:29	1
Perfluorohexanoic acid (PFHxA)	<0.58		2.0	0.58	ng/L		07/13/21 04:51	07/16/21 13:29	1
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		07/13/21 04:51	07/16/21 13:29	1
Perfluorooctanoic acid (PFOA)	<0.85		2.0	0.85	ng/L		07/13/21 04:51	07/16/21 13:29	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		07/13/21 04:51	07/16/21 13:29	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		07/13/21 04:51	07/16/21 13:29	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		07/13/21 04:51	07/16/21 13:29	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		07/13/21 04:51	07/16/21 13:29	1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: MB 320-506020/1-A
Matrix: Water
Analysis Batch: 507446

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 506020

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		07/13/21 04:51	07/16/21 13:29	1
Perfluorotetradecanoic acid (PFTeA)	<0.73		2.0	0.73	ng/L		07/13/21 04:51	07/16/21 13:29	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		07/13/21 04:51	07/16/21 13:29	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		07/13/21 04:51	07/16/21 13:29	1
Perfluorohexanesulfonic acid (PFHxS)	<0.57		2.0	0.57	ng/L		07/13/21 04:51	07/16/21 13:29	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.19		2.0	0.19	ng/L		07/13/21 04:51	07/16/21 13:29	1
Perfluorooctanesulfonic acid (PFOS)	<0.54		2.0	0.54	ng/L		07/13/21 04:51	07/16/21 13:29	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		07/13/21 04:51	07/16/21 13:29	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		07/13/21 04:51	07/16/21 13:29	1
Perfluorododecanesulfonic acid (PFDoS)	<0.97		2.0	0.97	ng/L		07/13/21 04:51	07/16/21 13:29	1
Perfluorooctanesulfonamide (FOSA)	<0.98		2.0	0.98	ng/L		07/13/21 04:51	07/16/21 13:29	1
NEtFOSA	<0.87		2.0	0.87	ng/L		07/13/21 04:51	07/16/21 13:29	1
NMeFOSA	<0.43		2.0	0.43	ng/L		07/13/21 04:51	07/16/21 13:29	1
NMeFOSAA	<1.2		5.0	1.2	ng/L		07/13/21 04:51	07/16/21 13:29	1
NEtFOSAA	<1.3		5.0	1.3	ng/L		07/13/21 04:51	07/16/21 13:29	1
NMeFOSE	<1.4		4.0	1.4	ng/L		07/13/21 04:51	07/16/21 13:29	1
NEtFOSE	<0.85		2.0	0.85	ng/L		07/13/21 04:51	07/16/21 13:29	1
4:2 FTS	<0.24		2.0	0.24	ng/L		07/13/21 04:51	07/16/21 13:29	1
6:2 FTS	<2.5		5.0	2.5	ng/L		07/13/21 04:51	07/16/21 13:29	1
8:2 FTS	<0.46		2.0	0.46	ng/L		07/13/21 04:51	07/16/21 13:29	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		07/13/21 04:51	07/16/21 13:29	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		07/13/21 04:51	07/16/21 13:29	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		07/13/21 04:51	07/16/21 13:29	1
11Cl-PF3OUdS	<0.32		2.0	0.32	ng/L		07/13/21 04:51	07/16/21 13:29	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*96*		*25 - 150*	*07/13/21 04:51*	*07/16/21 13:29*	*1*
13C5 PFPeA	*97*		*25 - 150*	*07/13/21 04:51*	*07/16/21 13:29*	*1*
13C2 PFHxA	*96*		*25 - 150*	*07/13/21 04:51*	*07/16/21 13:29*	*1*
13C4 PFHpA	*101*		*25 - 150*	*07/13/21 04:51*	*07/16/21 13:29*	*1*
13C4 PFOA	*100*		*25 - 150*	*07/13/21 04:51*	*07/16/21 13:29*	*1*
13C5 PFNA	*103*		*25 - 150*	*07/13/21 04:51*	*07/16/21 13:29*	*1*
13C2 PFDA	*100*		*25 - 150*	*07/13/21 04:51*	*07/16/21 13:29*	*1*
13C2 PFUnA	*98*		*25 - 150*	*07/13/21 04:51*	*07/16/21 13:29*	*1*
13C2 PFDoA	*95*		*25 - 150*	*07/13/21 04:51*	*07/16/21 13:29*	*1*
13C2 PFTeDA	*96*		*25 - 150*	*07/13/21 04:51*	*07/16/21 13:29*	*1*
13C3 PFBS	*116*		*25 - 150*	*07/13/21 04:51*	*07/16/21 13:29*	*1*
18O2 PFHxS	*105*		*25 - 150*	*07/13/21 04:51*	*07/16/21 13:29*	*1*
13C4 PFOS	*103*		*25 - 150*	*07/13/21 04:51*	*07/16/21 13:29*	*1*
13C8 FOSA	*98*		*10 - 150*	*07/13/21 04:51*	*07/16/21 13:29*	*1*
d3-NMeFOSAA	*78*		*25 - 150*	*07/13/21 04:51*	*07/16/21 13:29*	*1*
d5-NEtFOSAA	*89*		*25 - 150*	*07/13/21 04:51*	*07/16/21 13:29*	*1*
d-N-MeFOSA-M	*81*		*10 - 150*	*07/13/21 04:51*	*07/16/21 13:29*	*1*
d-N-EtFOSA-M	*79*		*10 - 150*	*07/13/21 04:51*	*07/16/21 13:29*	*1*
d7-N-MeFOSE-M	*77*		*10 - 150*	*07/13/21 04:51*	*07/16/21 13:29*	*1*
d9-N-EtFOSE-M	*79*		*10 - 150*	*07/13/21 04:51*	*07/16/21 13:29*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: MB 320-506020/1-A
Matrix: Water
Analysis Batch: 507446

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 506020

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-4:2 FTS	94		25 - 150	07/13/21 04:51	07/16/21 13:29	1
M2-6:2 FTS	93		25 - 150	07/13/21 04:51	07/16/21 13:29	1
M2-8:2 FTS	100		25 - 150	07/13/21 04:51	07/16/21 13:29	1
13C3 HFPO-DA	97		25 - 150	07/13/21 04:51	07/16/21 13:29	1
13C2 10:2 FTS	105		25 - 150	07/13/21 04:51	07/16/21 13:29	1

Lab Sample ID: LCS 320-506020/2-A
Matrix: Water
Analysis Batch: 507446

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 506020

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorobutanoic acid (PFBA)	40.0	47.9		ng/L		120	60 - 135
Perfluoropentanoic acid (PFPeA)	40.0	49.3		ng/L		123	60 - 135
Perfluorohexanoic acid (PFHxA)	40.0	46.0		ng/L		115	60 - 135
Perfluoroheptanoic acid (PFHpA)	40.0	44.3		ng/L		111	60 - 135
Perfluorooctanoic acid (PFOA)	40.0	47.5		ng/L		119	60 - 135
Perfluorononanoic acid (PFNA)	40.0	46.7		ng/L		117	60 - 135
Perfluorodecanoic acid (PFDA)	40.0	50.4		ng/L		126	60 - 135
Perfluoroundecanoic acid (PFUnA)	40.0	47.8		ng/L		119	60 - 135
Perfluorododecanoic acid (PFDoA)	40.0	43.8		ng/L		110	60 - 135
Perfluorotridecanoic acid (PFTrDA)	40.0	40.8		ng/L		102	60 - 135
Perfluorotetradecanoic acid (PFTeA)	40.0	48.8		ng/L		122	60 - 135
Perfluorobutanesulfonic acid (PFBS)	35.4	36.1		ng/L		102	60 - 135
Perfluoropentanesulfonic acid (PFPeS)	37.5	37.4		ng/L		100	60 - 135
Perfluorohexanesulfonic acid (PFHxS)	36.4	43.7		ng/L		120	60 - 135
Perfluoroheptanesulfonic Acid (PFHpS)	38.1	42.9		ng/L		113	60 - 135
Perfluorooctanesulfonic acid (PFOS)	37.1	41.7		ng/L		112	60 - 135
Perfluorononanesulfonic acid (PFNS)	38.4	40.8		ng/L		106	60 - 135
Perfluorodecanesulfonic acid (PFDS)	38.6	44.0		ng/L		114	60 - 135
Perfluorododecanesulfonic acid (PFDoS)	38.7	43.6		ng/L		113	60 - 135
Perfluorooctanesulfonamide (FOSA)	40.0	46.7		ng/L		117	60 - 135
NEtFOSA	40.0	45.8		ng/L		114	60 - 135
NMeFOSA	40.0	42.6		ng/L		107	60 - 135
NMeFOSAA	40.0	49.6		ng/L		124	60 - 135
NEtFOSAA	40.0	52.8		ng/L		132	60 - 135
NMeFOSE	40.0	46.2		ng/L		116	60 - 135
NEtFOSE	40.0	49.3		ng/L		123	60 - 135
4:2 FTS	37.4	42.4		ng/L		113	60 - 135
6:2 FTS	37.9	46.1		ng/L		122	60 - 135

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-506020/2-A
Matrix: Water
Analysis Batch: 507446

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 506020

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
8:2 FTS			38.3	49.7		ng/L		130	60 - 135		
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)			37.7	41.0		ng/L		109	60 - 135		
HFPO-DA (GenX)			40.0	47.4		ng/L		119	60 - 135		
9Cl-PF3ONS			37.3	42.8		ng/L		115	60 - 135		
11Cl-PF3OUdS			37.7	41.5		ng/L		110	60 - 135		

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*66*		*25 - 150*
13C5 PFPeA	*65*		*25 - 150*
13C2 PFHxA	*66*		*25 - 150*
13C4 PFHpA	*71*		*25 - 150*
13C4 PFOA	*68*		*25 - 150*
13C5 PFNA	*68*		*25 - 150*
13C2 PFDA	*68*		*25 - 150*
13C2 PFUnA	*68*		*25 - 150*
13C2 PFDoA	*71*		*25 - 150*
13C2 PFTeDA	*63*		*25 - 150*
13C3 PFBS	*80*		*25 - 150*
18O2 PFHxS	*67*		*25 - 150*
13C4 PFOS	*74*		*25 - 150*
13C8 FOSA	*67*		*10 - 150*
d3-NMeFOSAA	*54*		*25 - 150*
d5-NEtFOSAA	*60*		*25 - 150*
d-N-MeFOSA-M	*56*		*10 - 150*
d-N-EtFOSA-M	*54*		*10 - 150*
d7-N-MeFOSE-M	*52*		*10 - 150*
d9-N-EtFOSE-M	*56*		*10 - 150*
M2-4:2 FTS	*62*		*25 - 150*
M2-6:2 FTS	*63*		*25 - 150*
M2-8:2 FTS	*65*		*25 - 150*
13C3 HFPO-DA	*68*		*25 - 150*
13C2 10:2 FTS	*72*		*25 - 150*

Lab Sample ID: LCSD 320-506020/3-A
Matrix: Water
Analysis Batch: 507446

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 506020

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)			40.0	47.4		ng/L		118	60 - 135	1	30
Perfluoropentanoic acid (PFPeA)			40.0	49.5		ng/L		124	60 - 135	0	30
Perfluorohexanoic acid (PFHxA)			40.0	43.4		ng/L		108	60 - 135	6	30
Perfluoroheptanoic acid (PFHpA)			40.0	45.3		ng/L		113	60 - 135	2	30
Perfluorooctanoic acid (PFOA)			40.0	48.3		ng/L		121	60 - 135	2	30
Perfluorononanoic acid (PFNA)			40.0	45.8		ng/L		115	60 - 135	2	30
Perfluorodecanoic acid (PFDA)			40.0	48.4		ng/L		121	60 - 135	4	30
Perfluoroundecanoic acid (PFUnA)			40.0	47.6		ng/L		119	60 - 135	0	30
Perfluorododecanoic acid (PFDoA)			40.0	44.6		ng/L		112	60 - 135	2	30

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCSD 320-506020/3-A
Matrix: Water
Analysis Batch: 507446

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 506020

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorotridecanoic acid (PFTrDA)			40.0	41.6		ng/L		104	60 - 135	2	30
Perfluorotetradecanoic acid (PFTeA)			40.0	51.1		ng/L		128	60 - 135	5	30
Perfluorobutanesulfonic acid (PFBS)			35.4	35.7		ng/L		101	60 - 135	1	30
Perfluoropentanesulfonic acid (PFPeS)			37.5	38.1		ng/L		102	60 - 135	2	30
Perfluorohexanesulfonic acid (PFHxS)			36.4	42.8		ng/L		118	60 - 135	2	30
Perfluoroheptanesulfonic Acid (PFHpS)			38.1	44.0		ng/L		115	60 - 135	2	30
Perfluorooctanesulfonic acid (PFOS)			37.1	41.7		ng/L		112	60 - 135	0	30
Perfluorononanesulfonic acid (PFNS)			38.4	41.4		ng/L		108	60 - 135	1	30
Perfluorodecanesulfonic acid (PFDS)			38.6	38.6		ng/L		100	60 - 135	13	30
Perfluorododecanesulfonic acid (PFDoS)			38.7	30.5	*1	ng/L		79	60 - 135	35	30
Perfluorooctanesulfonamide (FOSA)			40.0	45.3		ng/L		113	60 - 135	3	30
NEtFOSA			40.0	50.2		ng/L		125	60 - 135	9	30
NMeFOSA			40.0	45.2		ng/L		113	60 - 135	6	30
NMeFOSAA			40.0	49.4		ng/L		124	60 - 135	0	30
NEtFOSAA			40.0	49.2		ng/L		123	60 - 135	7	30
NMeFOSE			40.0	46.5		ng/L		116	60 - 135	1	30
NEtFOSE			40.0	49.5		ng/L		124	60 - 135	0	30
4:2 FTS			37.4	48.1		ng/L		129	60 - 135	13	30
6:2 FTS			37.9	45.4		ng/L		120	60 - 135	2	30
8:2 FTS			38.3	45.0		ng/L		117	60 - 135	10	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)			37.7	41.5		ng/L		110	60 - 135	1	30
HFPO-DA (GenX)			40.0	46.0		ng/L		115	60 - 135	3	30
9Cl-PF3ONS			37.3	40.6		ng/L		109	60 - 135	5	30
11Cl-PF3OUdS			37.7	34.5		ng/L		91	60 - 135	18	30

Isotope Dilution	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
13C4 PFBA	*93*		*25 - 150*
13C5 PFPeA	*93*		*25 - 150*
13C2 PFHxA	*95*		*25 - 150*
13C4 PFHpA	*98*		*25 - 150*
13C4 PFOA	*94*		*25 - 150*
13C5 PFNA	*99*		*25 - 150*
13C2 PFDA	*95*		*25 - 150*
13C2 PFUnA	*91*		*25 - 150*
13C2 PFDoA	*79*		*25 - 150*
13C2 PFTeDA	*64*		*25 - 150*
13C3 PFBS	*111*		*25 - 150*
18O2 PFHxS	*96*		*25 - 150*
13C4 PFOS	*102*		*25 - 150*
13C8 FOSA	*81*		*10 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCSD 320-506020/3-A
Matrix: Water
Analysis Batch: 507446

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 506020

Isotope Dilution	LCSD %Recovery	LCSD Qualifier	Limits
d3-NMeFOSAA	73		25 - 150
d5-NEtFOSAA	76		25 - 150
d-N-MeFOSA-M	60		10 - 150
d-N-EtFOSA-M	57		10 - 150
d7-N-MeFOSE-M	57		10 - 150
d9-N-EtFOSE-M	55		10 - 150
M2-4:2 FTS	80		25 - 150
M2-6:2 FTS	88		25 - 150
M2-8:2 FTS	88		25 - 150
13C3 HFPO-DA	96		25 - 150
13C2 10:2 FTS	83		25 - 150

Lab Sample ID: MB 320-506368/1-A
Matrix: Solid
Analysis Batch: 507469

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 506368

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<0.028		0.20	0.028	ug/Kg		07/13/21 19:40	07/17/21 09:49	1
Perfluoropentanoic acid (PFPeA)	<0.077		0.20	0.077	ug/Kg		07/13/21 19:40	07/17/21 09:49	1
Perfluorohexanoic acid (PFHxA)	<0.042		0.20	0.042	ug/Kg		07/13/21 19:40	07/17/21 09:49	1
Perfluoroheptanoic acid (PFHpA)	<0.029		0.20	0.029	ug/Kg		07/13/21 19:40	07/17/21 09:49	1
Perfluorooctanoic acid (PFOA)	<0.086		0.20	0.086	ug/Kg		07/13/21 19:40	07/17/21 09:49	1
Perfluorononanoic acid (PFNA)	<0.036		0.20	0.036	ug/Kg		07/13/21 19:40	07/17/21 09:49	1
Perfluorodecanoic acid (PFDA)	<0.022		0.20	0.022	ug/Kg		07/13/21 19:40	07/17/21 09:49	1
Perfluoroundecanoic acid (PFUnA)	<0.036		0.20	0.036	ug/Kg		07/13/21 19:40	07/17/21 09:49	1
Perfluorododecanoic acid (PFDoA)	<0.067		0.20	0.067	ug/Kg		07/13/21 19:40	07/17/21 09:49	1
Perfluorotridecanoic acid (PFTrDA)	<0.051		0.20	0.051	ug/Kg		07/13/21 19:40	07/17/21 09:49	1
Perfluorotetradecanoic acid (PFTeA)	<0.054		0.20	0.054	ug/Kg		07/13/21 19:40	07/17/21 09:49	1
Perfluorobutanesulfonic acid (PFBS)	<0.025		0.20	0.025	ug/Kg		07/13/21 19:40	07/17/21 09:49	1
Perfluoropentanesulfonic acid (PFPeS)	<0.020		0.20	0.020	ug/Kg		07/13/21 19:40	07/17/21 09:49	1
Perfluorohexanesulfonic acid (PFHxS)	<0.031		0.20	0.031	ug/Kg		07/13/21 19:40	07/17/21 09:49	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.035		0.20	0.035	ug/Kg		07/13/21 19:40	07/17/21 09:49	1
Perfluorooctanesulfonic acid (PFOS)	<0.20		0.50	0.20	ug/Kg		07/13/21 19:40	07/17/21 09:49	1
Perfluorononanesulfonic acid (PFNS)	<0.020		0.20	0.020	ug/Kg		07/13/21 19:40	07/17/21 09:49	1
Perfluorodecanesulfonic acid (PFDS)	<0.039		0.20	0.039	ug/Kg		07/13/21 19:40	07/17/21 09:49	1
Perfluorododecanesulfonic acid (PFDoS)	<0.060		0.20	0.060	ug/Kg		07/13/21 19:40	07/17/21 09:49	1
Perfluorooctanesulfonamide (FOSA)	<0.082		0.20	0.082	ug/Kg		07/13/21 19:40	07/17/21 09:49	1
NEtFOSA	<0.024		0.20	0.024	ug/Kg		07/13/21 19:40	07/17/21 09:49	1
NMeFOSA	<0.041		0.20	0.041	ug/Kg		07/13/21 19:40	07/17/21 09:49	1
NMeFOSAA	<0.39		2.0	0.39	ug/Kg		07/13/21 19:40	07/17/21 09:49	1
NEtFOSAA	<0.37		2.0	0.37	ug/Kg		07/13/21 19:40	07/17/21 09:49	1
NMeFOSE	<0.071		0.20	0.071	ug/Kg		07/13/21 19:40	07/17/21 09:49	1
NEtFOSE	<0.036		0.20	0.036	ug/Kg		07/13/21 19:40	07/17/21 09:49	1
4:2 FTS	<0.37		2.0	0.37	ug/Kg		07/13/21 19:40	07/17/21 09:49	1
6:2 FTS	<0.15		2.0	0.15	ug/Kg		07/13/21 19:40	07/17/21 09:49	1
8:2 FTS	<0.25		2.0	0.25	ug/Kg		07/13/21 19:40	07/17/21 09:49	1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: MB 320-506368/1-A
Matrix: Solid
Analysis Batch: 507469

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 506368

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.018		0.20	0.018	ug/Kg		07/13/21 19:40	07/17/21 09:49	1
HFPO-DA (GenX)	<0.11		0.25	0.11	ug/Kg		07/13/21 19:40	07/17/21 09:49	1
9Cl-PF3ONS	<0.027		0.20	0.027	ug/Kg		07/13/21 19:40	07/17/21 09:49	1
11Cl-PF3OUdS	<0.022		0.20	0.022	ug/Kg		07/13/21 19:40	07/17/21 09:49	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*75*		*25 - 150*	*07/13/21 19:40*	*07/17/21 09:49*	*1*
13C5 PFPeA	*74*		*25 - 150*	*07/13/21 19:40*	*07/17/21 09:49*	*1*
13C2 PFHxA	*73*		*25 - 150*	*07/13/21 19:40*	*07/17/21 09:49*	*1*
13C4 PFHpA	*79*		*25 - 150*	*07/13/21 19:40*	*07/17/21 09:49*	*1*
13C4 PFOA	*73*		*25 - 150*	*07/13/21 19:40*	*07/17/21 09:49*	*1*
13C5 PFNA	*78*		*25 - 150*	*07/13/21 19:40*	*07/17/21 09:49*	*1*
13C2 PFDA	*75*		*25 - 150*	*07/13/21 19:40*	*07/17/21 09:49*	*1*
13C2 PFUnA	*74*		*25 - 150*	*07/13/21 19:40*	*07/17/21 09:49*	*1*
13C2 PFDoA	*65*		*25 - 150*	*07/13/21 19:40*	*07/17/21 09:49*	*1*
13C2 PFTeDA	*64*		*25 - 150*	*07/13/21 19:40*	*07/17/21 09:49*	*1*
13C3 PFBS	*85*		*25 - 150*	*07/13/21 19:40*	*07/17/21 09:49*	*1*
18O2 PFHxS	*80*		*25 - 150*	*07/13/21 19:40*	*07/17/21 09:49*	*1*
13C4 PFOS	*82*		*25 - 150*	*07/13/21 19:40*	*07/17/21 09:49*	*1*
13C8 FOSA	*84*		*10 - 150*	*07/13/21 19:40*	*07/17/21 09:49*	*1*
d3-NMeFOSAA	*73*		*25 - 150*	*07/13/21 19:40*	*07/17/21 09:49*	*1*
d5-NEtFOSAA	*75*		*25 - 150*	*07/13/21 19:40*	*07/17/21 09:49*	*1*
d-N-MeFOSA-M	*77*		*10 - 150*	*07/13/21 19:40*	*07/17/21 09:49*	*1*
d-N-EtFOSA-M	*75*		*10 - 150*	*07/13/21 19:40*	*07/17/21 09:49*	*1*
d7-N-MeFOSE-M	*48*		*10 - 150*	*07/13/21 19:40*	*07/17/21 09:49*	*1*
d9-N-EtFOSE-M	*52*		*10 - 150*	*07/13/21 19:40*	*07/17/21 09:49*	*1*
M2-4:2 FTS	*72*		*25 - 150*	*07/13/21 19:40*	*07/17/21 09:49*	*1*
M2-6:2 FTS	*78*		*25 - 150*	*07/13/21 19:40*	*07/17/21 09:49*	*1*
M2-8:2 FTS	*79*		*25 - 150*	*07/13/21 19:40*	*07/17/21 09:49*	*1*
13C3 HFPO-DA	*71*		*25 - 150*	*07/13/21 19:40*	*07/17/21 09:49*	*1*
13C2 10:2 FTS	*79*		*25 - 150*	*07/13/21 19:40*	*07/17/21 09:49*	*1*

Lab Sample ID: LCS 320-506368/2-A
Matrix: Solid
Analysis Batch: 507469

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 506368

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorobutanoic acid (PFBA)	2.00	2.19		ug/Kg		110	60 - 135
Perfluoropentanoic acid (PFPeA)	2.00	2.15		ug/Kg		108	60 - 135
Perfluorohexanoic acid (PFHxA)	2.00	2.25		ug/Kg		113	60 - 135
Perfluoroheptanoic acid (PFHpA)	2.00	2.31		ug/Kg		115	60 - 135
Perfluorooctanoic acid (PFOA)	2.00	2.28		ug/Kg		114	60 - 135
Perfluorononanoic acid (PFNA)	2.00	2.18		ug/Kg		109	60 - 135
Perfluorodecanoic acid (PFDA)	2.00	2.06		ug/Kg		103	60 - 135
Perfluoroundecanoic acid (PFUnA)	2.00	2.30		ug/Kg		115	60 - 135
Perfluorododecanoic acid (PFDoA)	2.00	1.95		ug/Kg		98	60 - 135

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-506368/2-A
Matrix: Solid
Analysis Batch: 507469

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 506368

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorotridecanoic acid (PFTrDA)	2.00	1.81		ug/Kg		91	60 - 135
Perfluorotetradecanoic acid (PFTeA)	2.00	2.06		ug/Kg		103	60 - 135
Perfluorobutanesulfonic acid (PFBS)	1.77	1.74		ug/Kg		99	60 - 135
Perfluoropentanesulfonic acid (PFPeS)	1.88	1.71		ug/Kg		91	60 - 135
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.97		ug/Kg		108	60 - 135
Perfluoroheptanesulfonic Acid (PFHpS)	1.90	2.05		ug/Kg		108	60 - 135
Perfluorooctanesulfonic acid (PFOS)	1.86	2.03		ug/Kg		110	60 - 135
Perfluorononanesulfonic acid (PFNS)	1.92	1.93		ug/Kg		101	60 - 135
Perfluorodecanesulfonic acid (PFDS)	1.93	1.92		ug/Kg		100	60 - 135
Perfluorododecanesulfonic acid (PFDoS)	1.94	1.86		ug/Kg		96	60 - 135
Perfluorooctanesulfonamide (FOSA)	2.00	2.06		ug/Kg		103	60 - 135
NEtFOSA	2.00	2.14		ug/Kg		107	60 - 135
NMeFOSA	2.00	2.16		ug/Kg		108	60 - 135
NMeFOSAA	2.00	2.17		ug/Kg		109	60 - 135
NEtFOSAA	2.00	2.32		ug/Kg		116	60 - 135
NMeFOSE	2.00	2.34		ug/Kg		117	60 - 135
NEtFOSE	2.00	2.19		ug/Kg		110	60 - 135
4:2 FTS	1.87	1.75	J	ug/Kg		94	60 - 135
6:2 FTS	1.90	1.96	J	ug/Kg		103	60 - 135
8:2 FTS	1.92	2.15		ug/Kg		112	60 - 135
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	1.88	1.94		ug/Kg		103	60 - 135
HFPO-DA (GenX)	2.00	2.18		ug/Kg		109	60 - 135
9Cl-PF3ONS	1.86	1.88		ug/Kg		101	60 - 135
11Cl-PF3OUdS	1.88	1.55		ug/Kg		82	60 - 135

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*76*		*25 - 150*
13C5 PFPeA	*79*		*25 - 150*
13C2 PFHxA	*77*		*25 - 150*
13C4 PFHpA	*79*		*25 - 150*
13C4 PFOA	*79*		*25 - 150*
13C5 PFNA	*82*		*25 - 150*
13C2 PFDA	*85*		*25 - 150*
13C2 PFUnA	*81*		*25 - 150*
13C2 PFDoA	*81*		*25 - 150*
13C2 PFTeDA	*72*		*25 - 150*
13C3 PFBS	*89*		*25 - 150*
18O2 PFHxS	*78*		*25 - 150*
13C4 PFOS	*85*		*25 - 150*
13C8 FOSA	*86*		*10 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-506368/2-A
Matrix: Solid
Analysis Batch: 507469

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 506368

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
d3-NMeFOSAA	78		25 - 150
d5-NEtFOSAA	80		25 - 150
d-N-MeFOSA-M	83		10 - 150
d-N-EtFOSA-M	81		10 - 150
d7-N-MeFOSE-M	57		10 - 150
d9-N-EtFOSE-M	58		10 - 150
M2-4:2 FTS	76		25 - 150
M2-6:2 FTS	80		25 - 150
M2-8:2 FTS	79		25 - 150
13C3 HFPO-DA	77		25 - 150
13C2 10:2 FTS	83		25 - 150

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 500-610284/1-A
Matrix: Solid
Analysis Batch: 610596

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 610284

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.34		1.0	0.34	mg/Kg		07/20/21 17:24	07/21/21 15:45	1
Barium	<0.11		1.0	0.11	mg/Kg		07/20/21 17:24	07/21/21 15:45	1
Cadmium	0.0573	J	0.20	0.036	mg/Kg		07/20/21 17:24	07/21/21 15:45	1
Chromium	<0.50		1.0	0.50	mg/Kg		07/20/21 17:24	07/21/21 15:45	1
Lead	<0.23		0.50	0.23	mg/Kg		07/20/21 17:24	07/21/21 15:45	1
Selenium	<0.59		1.0	0.59	mg/Kg		07/20/21 17:24	07/21/21 15:45	1
Silver	<0.13		0.50	0.13	mg/Kg		07/20/21 17:24	07/21/21 15:45	1

Lab Sample ID: LCS 500-610284/2-A
Matrix: Solid
Analysis Batch: 610596

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 610284

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	10.0	9.43		mg/Kg		94	80 - 120
Barium	200	203		mg/Kg		101	80 - 120
Cadmium	5.00	4.72		mg/Kg		94	80 - 120
Chromium	20.0	19.4		mg/Kg		97	80 - 120
Lead	10.0	9.53		mg/Kg		95	80 - 120
Selenium	10.0	8.92		mg/Kg		89	80 - 120
Silver	5.00	4.85		mg/Kg		97	80 - 120

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MB 500-609066/1-A
Matrix: Water
Analysis Batch: 609341

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 609066

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.23		1.0	0.23	ug/L		07/13/21 08:27	07/13/21 17:43	1
Barium	<0.73		2.5	0.73	ug/L		07/13/21 08:27	07/13/21 17:43	1
Cadmium	<0.17		0.50	0.17	ug/L		07/13/21 08:27	07/13/21 17:43	1

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 500-609066/1-A
Matrix: Water
Analysis Batch: 609341

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 609066

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	<1.1		5.0	1.1	ug/L		07/13/21 08:27	07/13/21 17:43	1
Lead	<0.19		0.50	0.19	ug/L		07/13/21 08:27	07/13/21 17:43	1
Selenium	<0.98		2.5	0.98	ug/L		07/13/21 08:27	07/13/21 17:43	1
Silver	<0.12		0.50	0.12	ug/L		07/13/21 08:27	07/13/21 17:43	1

Lab Sample ID: LCS 500-609066/2-A
Matrix: Water
Analysis Batch: 609341

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 609066

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	100	97.4		ug/L		97	80 - 120
Barium	500	495		ug/L		99	80 - 120
Cadmium	50.0	50.7		ug/L		101	80 - 120
Chromium	200	203		ug/L		102	80 - 120
Lead	100	101		ug/L		101	80 - 120
Selenium	100	94.9		ug/L		95	80 - 120
Silver	50.0	51.3		ug/L		103	80 - 120

Lab Sample ID: MB 500-612590/1-A
Matrix: Water
Analysis Batch: 613065

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 612590

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.23		1.0	0.23	ug/L		08/04/21 07:41	08/05/21 14:54	1
Barium	<0.73		2.5	0.73	ug/L		08/04/21 07:41	08/05/21 14:54	1
Cadmium	<0.17		0.50	0.17	ug/L		08/04/21 07:41	08/05/21 14:54	1
Chromium	<1.1		5.0	1.1	ug/L		08/04/21 07:41	08/05/21 14:54	1
Lead	<0.19		0.50	0.19	ug/L		08/04/21 07:41	08/05/21 14:54	1
Selenium	<0.98		2.5	0.98	ug/L		08/04/21 07:41	08/05/21 14:54	1
Silver	<0.12		0.50	0.12	ug/L		08/04/21 07:41	08/05/21 14:54	1

Lab Sample ID: LCS 500-612590/2-A
Matrix: Water
Analysis Batch: 613065

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 612590

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	100	105		ug/L		105	80 - 120
Barium	500	533		ug/L		107	80 - 120
Cadmium	50.0	54.0		ug/L		108	80 - 120
Chromium	200	217		ug/L		108	80 - 120
Lead	100	115		ug/L		115	80 - 120
Selenium	100	106		ug/L		106	80 - 120
Silver	50.0	56.0		ug/L		112	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 500-608876/12-A
Matrix: Water
Analysis Batch: 609125

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 608876

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.098		0.20	0.098	ug/L		07/12/21 09:20	07/13/21 07:47	1

Lab Sample ID: LCS 500-608876/13-A
Matrix: Water
Analysis Batch: 609125

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 608876

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	2.00	2.08		ug/L		104	80 - 120

Lab Sample ID: MB 500-612337/1-E
Matrix: Water
Analysis Batch: 612831

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 612627

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.098		0.20	0.098	ug/L		08/04/21 09:40	08/05/21 07:53	1

Lab Sample ID: MB 500-612627/12-A
Matrix: Water
Analysis Batch: 612831

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 612627

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.098		0.20	0.098	ug/L		08/04/21 09:40	08/05/21 07:48	1

Lab Sample ID: LCS 500-612627/13-A
Matrix: Water
Analysis Batch: 612831

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 612627

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	2.00	1.99		ug/L		100	80 - 120

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 500-610134/12-A
Matrix: Solid
Analysis Batch: 610424

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 610134

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<5.6		17	5.6	ug/Kg		07/20/21 13:15	07/21/21 07:55	1

Lab Sample ID: LCS 500-610134/13-A
Matrix: Solid
Analysis Batch: 610424

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 610134

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	167	178		ug/Kg		107	80 - 120

Lab Chronicle

Client: Ramboll US Corporation
Project/Site: Former Mirro 20 - Chilton 1690019558

Job ID: 500-202086-1

Client Sample ID: EAST SUMP
Date Collected: 07/07/21 10:45
Date Received: 07/09/21 09:30

Lab Sample ID: 500-202086-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	609910	07/19/21 16:15	PMF	TAL CHI
Total/NA	Prep	3510C			609019	07/13/21 06:29	SB	TAL CHI
Total/NA	Analysis	8270D		1	609312	07/14/21 10:56	EF	TAL CHI
Total/NA	Prep	3510C			608898	07/12/21 10:42	SB	TAL CHI
Total/NA	Analysis	8082A		1	609160	07/13/21 15:02	JBJ	TAL CHI
Total/NA	Prep	3535			506020	07/13/21 04:51	EFG	TAL SAC
Total/NA	Analysis	537 (modified)		1	507446	07/16/21 14:42	RS1	TAL SAC
Dissolved	Prep	3005A			609066	07/13/21 08:27	BDE	TAL CHI
Dissolved	Analysis	6020A		1	609341	07/13/21 18:55	FXG	TAL CHI
Total Recoverable	Prep	3005A			612590	08/04/21 07:41	BDE	TAL CHI
Total Recoverable	Analysis	6020A		1	613065	08/05/21 15:01	FXG	TAL CHI
Dissolved	Prep	7470A			608876	07/12/21 09:20	MJG	TAL CHI
Dissolved	Analysis	7470A		1	609125	07/13/21 08:39	MJG	TAL CHI
Total/NA	Prep	7470A			612627	08/04/21 09:40	MJG	TAL CHI
Total/NA	Analysis	7470A		1	612831	08/05/21 07:57	MJG	TAL CHI

Client Sample ID: LARGE SUMP
Date Collected: 07/07/21 11:20
Date Received: 07/09/21 09:30

Lab Sample ID: 500-202086-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	609910	07/19/21 16:42	PMF	TAL CHI
Total/NA	Prep	3510C			609019	07/13/21 06:29	SB	TAL CHI
Total/NA	Analysis	8270D		1	609312	07/14/21 11:20	EF	TAL CHI
Total/NA	Prep	3510C			608898	07/12/21 10:42	SB	TAL CHI
Total/NA	Analysis	8082A		1	609160	07/13/21 15:18	JBJ	TAL CHI
Total/NA	Prep	3535			506020	07/13/21 04:51	EFG	TAL SAC
Total/NA	Analysis	537 (modified)		1	507446	07/16/21 14:51	RS1	TAL SAC
Dissolved	Prep	3005A			609066	07/13/21 08:27	BDE	TAL CHI
Dissolved	Analysis	6020A		1	609341	07/13/21 19:05	FXG	TAL CHI
Total Recoverable	Prep	3005A			612590	08/04/21 07:41	BDE	TAL CHI
Total Recoverable	Analysis	6020A		1	613065	08/05/21 15:04	FXG	TAL CHI
Dissolved	Prep	7470A			608876	07/12/21 09:20	MJG	TAL CHI
Dissolved	Analysis	7470A		1	609125	07/13/21 08:41	MJG	TAL CHI
Total/NA	Prep	7470A			612627	08/04/21 09:40	MJG	TAL CHI
Total/NA	Analysis	7470A		1	612831	08/05/21 07:59	MJG	TAL CHI

Client Sample ID: WEST SUMP
Date Collected: 07/07/21 11:45
Date Received: 07/09/21 09:30

Lab Sample ID: 500-202086-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	609910	07/19/21 17:08	PMF	TAL CHI
Total/NA	Prep	3510C			609019	07/13/21 06:29	SB	TAL CHI
Total/NA	Analysis	8270D		1	609312	07/14/21 11:43	EF	TAL CHI

Lab Chronicle

Client: Ramboll US Corporation
Job ID: 500-202086-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: WEST SUMP
Lab Sample ID: 500-202086-3
Date Collected: 07/07/21 11:45
Matrix: Water
Date Received: 07/09/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			608898	07/12/21 10:42	SB	TAL CHI
Total/NA	Analysis	8082A		1	609160	07/13/21 15:34	JBJ	TAL CHI
Total/NA	Prep	3535			506020	07/13/21 04:51	EFG	TAL SAC
Total/NA	Analysis	537 (modified)		1	507446	07/16/21 15:00	RS1	TAL SAC
Dissolved	Prep	3005A			609066	07/13/21 08:27	BDE	TAL CHI
Dissolved	Analysis	6020A		1	609341	07/13/21 19:08	FXG	TAL CHI
Total Recoverable	Prep	3005A			612590	08/04/21 07:41	BDE	TAL CHI
Total Recoverable	Analysis	6020A		1	613065	08/05/21 15:08	FXG	TAL CHI
Dissolved	Prep	7470A			608876	07/12/21 09:20	MJG	TAL CHI
Dissolved	Analysis	7470A		1	609125	07/13/21 08:43	MJG	TAL CHI
Total/NA	Prep	7470A			612627	08/04/21 09:40	MJG	TAL CHI
Total/NA	Analysis	7470A		1	612831	08/05/21 08:01	MJG	TAL CHI

Client Sample ID: FB-01
Lab Sample ID: 500-202086-4
Date Collected: 07/07/21 12:00
Matrix: Water
Date Received: 07/09/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			506020	07/13/21 04:51	EFG	TAL SAC
Total/NA	Analysis	537 (modified)		1	507446	07/16/21 15:10	RS1	TAL SAC

Client Sample ID: PRE EAST SUMP
Lab Sample ID: 500-202086-5
Date Collected: 07/07/21 12:15
Matrix: Solid
Date Received: 07/09/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	609943	07/19/21 08:43	LWN	TAL CHI

Client Sample ID: PRE EAST SUMP
Lab Sample ID: 500-202086-5
Date Collected: 07/07/21 12:15
Matrix: Solid
Date Received: 07/09/21 09:30
Percent Solids: 59.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			608761	07/07/21 12:15	WRE	TAL CHI
Total/NA	Analysis	8260B		50	609909	07/19/21 18:55	PMF	TAL CHI
Total/NA	Prep	3541			610064	07/19/21 17:06	ACK	TAL CHI
Total/NA	Analysis	8270D		10	610178	07/20/21 15:30	EF	TAL CHI
Total/NA	Prep	3541			610096	07/20/21 06:29	CLL	TAL CHI
Total/NA	Analysis	8082A		5	610307	07/21/21 06:49	SS	TAL CHI
Total/NA	Prep	SHAKE			506368	07/13/21 19:40	AM	TAL SAC
Total/NA	Analysis	537 (modified)		1	506671	07/15/21 04:08	K1S	TAL SAC
Total/NA	Prep	3050B			610284	07/20/21 17:24	LMN	TAL CHI
Total/NA	Analysis	6010B		1	610596	07/21/21 16:14	EEN	TAL CHI
Total/NA	Prep	3050B			610284	07/20/21 17:24	LMN	TAL CHI
Total/NA	Analysis	6010B		5	610699	07/22/21 13:43	JJB	TAL CHI

Lab Chronicle

Client: Ramboll US Corporation
Project/Site: Former Mirro 20 - Chilton 1690019558

Job ID: 500-202086-1

Client Sample ID: PRE EAST SUMP
Lab Sample ID: 500-202086-5
Date Collected: 07/07/21 12:15
Matrix: Solid
Date Received: 07/09/21 09:30
Percent Solids: 59.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			610134	07/20/21 13:15	MJG	TAL CHI
Total/NA	Analysis	7471B		1	610424	07/21/21 08:46	MJG	TAL CHI

Client Sample ID: PRE LARGE SUMP
Lab Sample ID: 500-202086-6
Date Collected: 07/07/21 12:30
Matrix: Solid
Date Received: 07/09/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	609943	07/19/21 08:43	LWN	TAL CHI

Client Sample ID: PRE LARGE SUMP
Lab Sample ID: 500-202086-6
Date Collected: 07/07/21 12:30
Matrix: Solid
Date Received: 07/09/21 09:30
Percent Solids: 23.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			608761	07/07/21 12:30	WRE	TAL CHI
Total/NA	Analysis	8260B		50	609909	07/19/21 19:21	PMF	TAL CHI
Total/NA	Prep	3541			610064	07/19/21 17:06	ACK	TAL CHI
Total/NA	Analysis	8270D		1	610691	07/22/21 15:58	SS	TAL CHI
Total/NA	Prep	3541			610096	07/20/21 06:29	CLL	TAL CHI
Total/NA	Analysis	8082A		1	610222	07/20/21 17:23	JBJ	TAL CHI
Total/NA	Prep	SHAKE			506368	07/13/21 19:40	AM	TAL SAC
Total/NA	Analysis	537 (modified)		1	506671	07/15/21 04:17	K1S	TAL SAC
Total/NA	Prep	3050B			610284	07/20/21 17:24	LMN	TAL CHI
Total/NA	Analysis	6010B		1	610596	07/21/21 16:17	EEN	TAL CHI
Total/NA	Prep	3050B			610284	07/20/21 17:24	LMN	TAL CHI
Total/NA	Analysis	6010B		5	610699	07/22/21 13:49	JJB	TAL CHI
Total/NA	Prep	7471B			610134	07/20/21 13:15	MJG	TAL CHI
Total/NA	Analysis	7471B		1	610424	07/21/21 08:47	MJG	TAL CHI

Client Sample ID: PRE WEST SUMP
Lab Sample ID: 500-202086-7
Date Collected: 07/07/21 12:45
Matrix: Solid
Date Received: 07/09/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	609943	07/19/21 08:43	LWN	TAL CHI

Client Sample ID: PRE WEST SUMP
Lab Sample ID: 500-202086-7
Date Collected: 07/07/21 12:45
Matrix: Solid
Date Received: 07/09/21 09:30
Percent Solids: 51.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			608761	07/07/21 12:45	WRE	TAL CHI
Total/NA	Analysis	8260B		50	609909	07/19/21 19:47	PMF	TAL CHI
Total/NA	Prep	3541			610064	07/19/21 17:06	ACK	TAL CHI
Total/NA	Analysis	8270D		10	610691	07/22/21 16:19	SS	TAL CHI

Lab Chronicle

Client: Ramboll US Corporation
Job ID: 500-202086-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: PRE WEST SUMP
Lab Sample ID: 500-202086-7
Date Collected: 07/07/21 12:45
Matrix: Solid
Date Received: 07/09/21 09:30
Percent Solids: 51.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			610096	07/20/21 06:29	CLL	TAL CHI
Total/NA	Analysis	8082A		5	610307	07/21/21 07:05	SS	TAL CHI
Total/NA	Prep	SHAKE			506368	07/13/21 19:40	AM	TAL SAC
Total/NA	Analysis	537 (modified)		1	506671	07/15/21 04:26	K1S	TAL SAC
Total/NA	Prep	3050B			610284	07/20/21 17:24	LMN	TAL CHI
Total/NA	Analysis	6010B		1	610596	07/21/21 16:20	EEN	TAL CHI
Total/NA	Prep	3050B			610284	07/20/21 17:24	LMN	TAL CHI
Total/NA	Analysis	6010B		5	610699	07/22/21 13:52	JJB	TAL CHI
Total/NA	Prep	7471B			610134	07/20/21 13:15	MJG	TAL CHI
Total/NA	Analysis	7471B		1	610424	07/21/21 08:49	MJG	TAL CHI

Client Sample ID: TS-01
Lab Sample ID: 500-202086-8
Date Collected: 07/08/21 08:20
Matrix: Solid
Date Received: 07/09/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	609943	07/19/21 08:43	LWN	TAL CHI

Client Sample ID: TS-01
Lab Sample ID: 500-202086-8
Date Collected: 07/08/21 08:20
Matrix: Solid
Date Received: 07/09/21 09:30
Percent Solids: 89.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			608761	07/08/21 08:20	WRE	TAL CHI
Total/NA	Analysis	8260B		50	609909	07/19/21 20:14	PMF	TAL CHI
Total/NA	Prep	3541			610064	07/19/21 17:06	ACK	TAL CHI
Total/NA	Analysis	8270D		1	610178	07/20/21 14:19	EF	TAL CHI
Total/NA	Prep	3541			610096	07/20/21 06:29	CLL	TAL CHI
Total/NA	Analysis	8082A		1	610222	07/20/21 17:54	JBJ	TAL CHI
Total/NA	Prep	SHAKE			506368	07/13/21 19:40	AM	TAL SAC
Total/NA	Analysis	537 (modified)		1	506671	07/15/21 04:35	K1S	TAL SAC
Total/NA	Prep	3050B			610284	07/20/21 17:24	LMN	TAL CHI
Total/NA	Analysis	6010B		1	610596	07/21/21 16:23	EEN	TAL CHI
Total/NA	Prep	7471B			610134	07/20/21 13:15	MJG	TAL CHI
Total/NA	Analysis	7471B		1	610424	07/21/21 08:52	MJG	TAL CHI

Client Sample ID: TRIP BLANK
Lab Sample ID: 500-202086-9
Date Collected: 07/07/21 00:00
Matrix: Water
Date Received: 07/09/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	609910	07/19/21 13:35	PMF	TAL CHI

Lab Chronicle

Client: Ramboll US Corporation
Job ID: 500-202086-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: TRIP BLANK
Lab Sample ID: 500-202086-10
Date Collected: 07/07/21 00:00
Matrix: Solid
Date Received: 07/09/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			608761	07/07/21 00:00	WRE	TAL CHI
Total/NA	Analysis	8260B		50	609909	07/19/21 14:01	PMF	TAL CHI

Laboratory References:

TAL CHI = Eurofins TestAmerica, Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Accreditation/Certification Summary

Client: Ramboll US Corporation
Job ID: 500-202086-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Laboratory: Eurofins TestAmerica, Chicago

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	999580010	08-31-21

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Laboratory: Eurofins TestAmerica, Sacramento

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	998204680	08-31-21

Eurofins TestAmerica, Chicago
2417 Bond Street
University Park IL 60484
Phone 708-534-5200 Fax 708 534-5211

Chain of Custody Record

eurofins

Client Information	Sampler: DUNCAN GLASFORD	Lab PM: Fredrick Sandie	Carrier Tracking No(s):	COC No: 500-92904-41388 1
Client Contact: Duncan Glasford	Phone: 2625736315	E-Mail: sandra.fredrick@eurofinset.com	State of Origin:	Page: Page 1 of 1
Company: Ramboll US Corporation	PWS D:	Analysis Requested		Job #: 202086
Address: 234 W Florida Street Fifth Floor	Due Date Requested:			Preservation Codes: A HCL, B NaOH, C Zn Acetate, D Nitric Acid, E NaHSO4, F MeOH, G Amchlor, H Ascorbic Acid, I Ice, J DI Water, K EDTA, L EDA, M Hexane, N None, O AsNaO2, P Na2O4S, Q Na2SO, R Na2S2O3, S H2SO4, T TSP Dodecahydrate, U Acetone, V MCAA, W pH 4-5, Z other (specify)
City: Milwaukee	TAT Requested (days):			
State, Zip: WI 53204	Compliance Project: Δ Yes Δ No			
Phone:	PO #: Purchase Order not required			
Email: DGLASFORD@ramboll.com/SPETROFSKE@RAMBOLL.com	WO #: 1690019558			
Project Name: Former Marro 20 Chilton	Project #: 50019131			
Site:	SSOW#:			Other:

500-202086 COC

	Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	PAH / PCB	VOC	PFAS	METALS	Total Number of containers	Special Instructions/Note
				Preservation Code:									
1	EAST SUMP	7-7	1045	G	W Solid			X	X	X	X		
2	LARGE SUMP		1120	G	W Solid			X	X	X	X		
3	WEST SUMP		1145	G	W Solid			X	X	X	X		
4	FB-01		1200	G	W Solid					X			
5	PRE EAST SUMP		1215	G	Solid			X	X	X	X		
6	PRE LARGE SUMP		1230	G	Solid			X	X	X	X		
7	PRE WEST SUMP		1245	G	Solid			X	X	X	X		
8	TS-01	7-8	820	G	Solid			X	X	X	X		
9/10	TRIP BLANK	—	—	—	Solid				X				
					Solid								
					Solid								

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ 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	Date/Time	Company	Received by	Date/Time	Company
	7821 1500	RAMBOLL		7-8-21 1500	TA
	7-8-21 1700	TA	Stephanie Hernandez	7/9/21 0930	ETA-CHI

Custody Seals Intact: ☐ Yes Δ No	Custody Seal No:	Cooler Temperature(s) °C and other Remarks: 21, 2.6+22

Ver 11/01/2020

ORIGIN ID:RRLA (262) 202-5955
SHIPPING
TESTAMERICA
4125 N 124TH ST
BROOKFIELD, WI 53005
UNITED STATES US
SHIP DATE: 08JUL21
ACTWGT: 55.95 LB
CAD: 525155/CAFE3406
BILL RECIPIENT
TO SAMPLE RECEIPT
TESTAMERICA LABS
2417 BOND STREET
UNIVERSITY PARK IL 60484
(708) 534-5200
INV:
PO:
REF:
DEPT:
FedEx
Express
2 of 2
MPS# 0263 7125 4944 8390
Mstr# 7125 4944 8389
0201
FRI - 09 JUL 10:30A
PRIORITY OVERNIGHT
79 JOTA
60484
IL-US ORD
****

500-202086 Wayb
ORIGIN ID:RRLA (262) 202-5955
SHIPPING
TESTAMERICA
4125 N 124TH ST
BROOKFIELD, WI 53005
UNITED STATES US
SHIP DATE: 08JUL21
ACTWGT: 54.10 LB
CAD: 525155/CAFE3406
BILL RECIPIENT
TO SAMPLE RECEIPT
TESTAMERICA LABS
2417 BOND STREET
UNIVERSITY PARK IL 60484
(708) 534-5200
INV:
PO:
REF:
DEPT:
FedEx
Express
TRK# 0201 7125 4944 8404
FRI - 09 JUL 10:30A
PRIORITY OVERNIGHT
79 JOTA
60484
IL-US ORD

Eurofins TestAmerica, Chicago
2417 Bond Street
University Park, IL 60484
Phone: 708-534-5200 Fax: 708-534-5211

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Fredrick, Sandie	Carrier Tracking No(s):	COC No: 500-150221.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: sandra.fredrick@eurofinset.com	State of Origin: Wisconsin	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State - Wisconsin; State Program - Wisconsin		Job #: 500-202086-1
Address: 880 Riverside Parkway, ,	Due Date Requested: 7/22/2021			
City: West Sacramento	TAT Requested (days):			
State, Zip: CA, 95605				
Phone: 916-373-5600(Tel) 916-372-1059(Fax)	PO #:			
Email:	WO #:			
Project Name: Former Mirro 20 - Chilton	Project #: 50019131			
Site:	SSOW#:			

Analysis Requested

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:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	PFC_IDA_WI/3535_PFC_28D PFAS, Standard List (33 analytes)	PFC_IDA_WI/Shake_Bath_28D PFAS, Standard List (33 analytes)	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
EAST SUMP (500-202086-1)	7/7/21	10:45 Central		Water			X		2	
LARGE SUMP (500-202086-2)	7/7/21	11:20 Central		Water			X		2	
WEST SUMP (500-202086-3)	7/7/21	11:45 Central		Water			X		2	
FB-01 (500-202086-4)	7/7/21	12:00 Central		Water			X		2	
PRE EAST SUMP (500-202086-5)	7/7/21	12:15 Central		Solid				X	1	
PRE LARGE SUMP (500-202086-6)	7/7/21	12:30 Central		Solid				X	1	
PRE WEST SUMP (500-202086-7)	7/7/21	12:45 Central		Solid				X	1	
TS-01 (500-202086-8)	7/8/21	08:20 Central		Solid				X	1	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

Possible Hazard Identification	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)***
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Stephanie Hernandez	7/9/21 1630	ETA-CHI		7/10/21 9:20	ETA SOC
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.: 1511172	Cooler Temperature(s) °C and Other Remarks: 2.5c

Ver: 11/01/2020

Login Sample Receipt Checklist

Client: Ramboll US Corporation

Job Number: 500-202086-1

Login Number: 202086
List Number: 1
Creator: Hernandez, Stephanie

List Source: Eurofins TestAmerica, Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= 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	2.1,2.2
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 <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Ramboll US Corporation

Job Number: 500-202086-1

Login Number: 202086
List Number: 2
Creator: Cahill, Nicholas P

List Source: Eurofins TestAmerica, Sacramento
List Creation: 07/10/21 03:02 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	1511172
Sample custody seals, if present, are intact.	N/A	
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	2.5c
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?	False	Received project as a subcontract.
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.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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Sacramento Sample Receiving Notes

500-202086 Field Sheet

Job: _____

Tracking # : 189344525230

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier
GSO / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations. File in the job folder with the COC.

Therm. ID: L-02 Corr. Factor: (+ / -) — °C

Ice 1 Wet 1 Gel _____ Other _____

Cooler Custody Seal: 1511172

Cooler ID: _____

Temp Observed: 2.5 °C Corrected: 2.5 °C

From: Temp Blank ☐ Sample ☑

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☑	☐
Cooler Temperature is acceptable?	☑	☐	☐
Frozen samples show signs of thaw?	☐	☐	☑

Initials: [illegible] Date: 7/10/21

Unpacking/Labeling The Samples	Yes	No	NA
CoC is complete w/o discrepancies?	☑	☐	☐
Samples compromised/tampered with?	☐	☑	☐
Sample containers have legible labels?	☑	☐	☐
Sample custody seal?	☐	☐	☑
Containers are not broken or leaking?	☑	☐	☐
Sample date/times are provided?	☑	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled?	☑	☐	☐
Sample preservatives verified?	☐	☐	☑
Samples w/o discrepancies?	☑	☐	☐
Zero headspace?*	☐	☐	☑
Alkalinity has no headspace?	☐	☐	☑
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☑
Multiphasic samples are not present?	☑	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: [illegible] Date: 7/10/21

Notes: _____

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☑	☐	☐
Samples received within hold time?	☑	☐	☐
NCM Filed?	☐	☐	☑
Log Release checked in TALS?	☑	☐	☐

Initials: [illegible] Date: 7/10/21

\\TACORP\CORP\QA\QA_FACILITIES\SACRAMENTO-QA\DOCUMENT-MANAGEMENT\FORMS\QA-812 SAMPLE RECEIVING NOTES.DOC QA-812 MBB 11/06/2020

WR3-31A

Isotope Dilution Summary

Client: Ramboll US Corporation
Project/Site: Former Mirro 20 - Chilton 1690019558

Job ID: 500-202086-1

Method: 537 (modified) - Fluorinated Alkyl Substances

Matrix: Solid

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFBA (25-150)	PFPeA (25-150)	PFHxA (25-150)	C4PFHA (25-150)	PFOA (25-150)	PFNA (25-150)	PFDA (25-150)	PFUnA (25-150)
500-202086-5	PRE EAST SUMP	41	58	57	57	54	56	51	50
500-202086-6	PRE LARGE SUMP	37	36	35	38	35	39	39	38
500-202086-7	PRE WEST SUMP	39	53	53	55	53	55	52	54
500-202086-8	TS-01	45	49	47	50	50	50	48	44
LCS 320-506368/2-A	Lab Control Sample	76	79	77	79	79	82	85	81
MB 320-506368/1-A	Method Blank	75	74	73	79	73	78	75	74

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFDoA (25-150)	PFTDA (25-150)	C3PFBS (25-150)	PFHxS (25-150)	PFOS (25-150)	PFOSA (10-150)	d3NMFOS (25-150)	d5NEFOS (25-150)
500-202086-5	PRE EAST SUMP	52	42	59	53	57	47	45	43
500-202086-6	PRE LARGE SUMP	35	27	42	35	38	39	40	43
500-202086-7	PRE WEST SUMP	45	41	56	50	57	53	51	49
500-202086-8	TS-01	45	39	54	48	48	52	50	50
LCS 320-506368/2-A	Lab Control Sample	81	72	89	78	85	86	78	80
MB 320-506368/1-A	Method Blank	65	64	85	80	82	84	73	75

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	dMeFOSA (10-150)	dEtFOSA (10-150)	NMFM (10-150)	NEFM (10-150)	M242FTS (25-150)	M262FTS (25-150)	M282FTS (25-150)	HFPODA (25-150)
500-202086-5	PRE EAST SUMP	42	43	41	41	110	129	123	57
500-202086-6	PRE LARGE SUMP	35	29	25	27	52	62	81	37
500-202086-7	PRE WEST SUMP	48	42	40	40	95	126	113	54
500-202086-8	TS-01	48	47	28	30	74	86	85	48
LCS 320-506368/2-A	Lab Control Sample	83	81	57	58	76	80	79	77
MB 320-506368/1-A	Method Blank	77	75	48	52	72	78	79	71

		Percent Isotope Dilution Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	M102FTS (25-150)
500-202086-5	PRE EAST SUMP	100
500-202086-6	PRE LARGE SUMP	71
500-202086-7	PRE WEST SUMP	85
500-202086-8	TS-01	71
LCS 320-506368/2-A	Lab Control Sample	83
MB 320-506368/1-A	Method Blank	79

Surrogate Legend

PFBA = 13C4 PFBA
PFPeA = 13C5 PFPeA
PFHxA = 13C2 PFHxA
C4PFHA = 13C4 PFHpA
PFOA = 13C4 PFOA
PFNA = 13C5 PFNA
PFDA = 13C2 PFDA
PFUnA = 13C2 PFUnA
PFDoA = 13C2 PFDoA
PFTDA = 13C2 PFTeDA
C3PFBS = 13C3 PFBS
PFHxS = 18O2 PFHxS
PFOS = 13C4 PFOS
PFOSA = 13C8 FOSA

Isotope Dilution Summary

Client: Ramboll US Corporation
Job ID: 500-202086-1
Project/Site: Former Mirro 20 - Chilton 1690019558

d3NMFOS = d3-NMeFOSAA
d5NEFOS = d5-NEtFOSAA
dMeFOSA = d-N-MeFOSA-M
dEtFOSA = d-N-EtFOSA-M
NMFM = d7-N-MeFOSE-M
NEFM = d9-N-EtFOSE-M
M242FTS = M2-4:2 FTS
M262FTS = M2-6:2 FTS
M282FTS = M2-8:2 FTS
HFPODA = 13C3 HFPO-DA
M102FTS = 13C2 10:2 FTS

Method: 537 (modified) - Fluorinated Alkyl Substances

Matrix: Water **Prep Type: Total/NA**

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	PFBA (25-150)	PFPeA (25-150)	PFHxA (25-150)	C4PFHA (25-150)	PFOA (25-150)	PFNA (25-150)	PFDA (25-150)	PFUnA (25-150)
500-202086-1	EAST SUMP	80	90	95	94	98	96	92	91
500-202086-2	LARGE SUMP	81	87	89	92	92	92	90	83
500-202086-3	WEST SUMP	82	96	105	109	111	102	103	107
500-202086-4	FB-01	91	89	90	93	93	92	86	85
LCS 320-506020/2-A	Lab Control Sample	66	65	66	71	68	68	68	68
LCSD 320-506020/3-A	Lab Control Sample Dup	93	93	95	98	94	99	95	91
MB 320-506020/1-A	Method Blank	96	97	96	101	100	103	100	98

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	PFDoA (25-150)	PFTDA (25-150)	C3PFBS (25-150)	PFHxS (25-150)	PFOS (25-150)	PFOSA (10-150)	d3NMFOS (25-150)	d5NEFOS (25-150)
500-202086-1	EAST SUMP	79	81	108	93	91	98	74	86
500-202086-2	LARGE SUMP	81	69	101	91	90	91	69	78
500-202086-3	WEST SUMP	101	84	117	101	102	101	90	93
500-202086-4	FB-01	95	82	101	90	92	90	75	84
LCS 320-506020/2-A	Lab Control Sample	71	63	80	67	74	67	54	60
LCSD 320-506020/3-A	Lab Control Sample Dup	79	64	111	96	102	81	73	76
MB 320-506020/1-A	Method Blank	95	96	116	105	103	98	78	89

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	dMeFOSA (10-150)	dEtFOSA (10-150)	NMFM (10-150)	NEFM (10-150)	M242FTS (25-150)	M262FTS (25-150)	M282FTS (25-150)	HFPODA (25-150)
500-202086-1	EAST SUMP	81	75	74	71	122	136	114	93
500-202086-2	LARGE SUMP	66	65	62	65	113	108	92	91
500-202086-3	WEST SUMP	90	80	76	80	167 *5+	196 *5+	169 *5+	104
500-202086-4	FB-01	74	73	68	70	81	91	92	93
LCS 320-506020/2-A	Lab Control Sample	56	54	52	56	62	63	65	68
LCSD 320-506020/3-A	Lab Control Sample Dup	60	57	57	55	80	88	88	96
MB 320-506020/1-A	Method Blank	81	79	77	79	94	93	100	97

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	M102FTS (25-150)
500-202086-1	EAST SUMP	102
500-202086-2	LARGE SUMP	91
500-202086-3	WEST SUMP	134
500-202086-4	FB-01	98
LCS 320-506020/2-A	Lab Control Sample	72
LCSD 320-506020/3-A	Lab Control Sample Dup	83
MB 320-506020/1-A	Method Blank	105

Isotope Dilution Summary

Client: Ramboll US Corporation
Job ID: 500-202086-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Surrogate Legend

PFBA = 13C4 PFBA
PFPeA = 13C5 PFPeA
PFHxA = 13C2 PFHxA
C4PFHA = 13C4 PFHpA
PFOA = 13C4 PFOA
PFNA = 13C5 PFNA
PFDA = 13C2 PFDA
PFUnA = 13C2 PFUnA
PFDoA = 13C2 PFDoA
PFTDA = 13C2 PFTeDA
C3PFBS = 13C3 PFBS
PFHxS = 18O2 PFHxS
PFOS = 13C4 PFOS
PFOSA = 13C8 FOSA
d3NMFOS = d3-NMeFOSAA
d5NEFOS = d5-NEtFOSAA
dMeFOSA = d-N-MeFOSA-M
dEtFOSA = d-N-EtFOSA-M
NMFM = d7-N-MeFOSE-M
NEFM = d9-N-EtFOSE-M
M242FTS = M2-4:2 FTS
M262FTS = M2-6:2 FTS
M282FTS = M2-8:2 FTS
HFPODA = 13C3 HFPO-DA
M102FTS = 13C2 10:2 FTS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

July 20, 2021

Paul Lindquist
Ramboll US Consulting, Inc.
234 West Florida St.
5th floor
Milwaukee, WI 53204

RE: Project: 1690019558 FORMER MIRRO 20
Pace Project No.: 10569630

Dear Paul Lindquist:

Enclosed are the analytical results for sample(s) received by the laboratory on July 13, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Minneapolis

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Carolynne Trout

Carolynne Trout
carolynne.trout@pacelabs.com
1(612)607-6351
Project Manager

Enclosures

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Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

CERTIFICATIONS

Project: 1690019558 FORMER MIRRO 20
Pace Project No.: 10569630

Pace Analytical Services, LLC - Minneapolis MN

1700 Elm Street SE, Minneapolis, MN 55414
A2LA Certification #: 2926.01*
1800 Elm Street SE, Minneapolis, MN 55414--Satellite Air Lab
Alabama Certification #: 40770
Alaska Contaminated Sites Certification #: 17-009*
Alaska DW Certification #: MN00064
Arizona Certification #: AZ0014*
Arkansas DW Certification #: MN00064
Arkansas WW Certification #: 88-0680
California Certification #: 2929
Colorado Certification #: MN00064
Connecticut Certification #: PH-0256
EPA Region 8 Tribal Water Systems+Wyoming DW Certification #: via MN 027-053-137
Florida Certification #: E87605*
Georgia Certification #: 959
Hawaii Certification #: MN00064
Idaho Certification #: MN00064
Illinois Certification #: 200011
Indiana Certification #: C-MN-01
Iowa Certification #: 368
Kansas Certification #: E-10167
Kentucky DW Certification #: 90062
Kentucky WW Certification #: 90062
Louisiana DEQ Certification #: AI-03086*
Louisiana DW Certification #: MN00064
Maine Certification #: MN00064*
Maryland Certification #: 322
Michigan Certification #: 9909
Minnesota Certification #: 027-053-137*
Minnesota Dept of Ag Approval: via MN 027-053-137
Minnesota Petrofund Registration #: 1240*
Mississippi Certification #: MN00064
Missouri Certification #: 10100
Montana Certification #: CERT0092
Nebraska Certification #: NE-OS-18-06
Nevada Certification #: MN00064
New Hampshire Certification #: 2081*
New Jersey Certification #: MN002
New York Certification #: 11647*
North Carolina DW Certification #: 27700
North Carolina WW Certification #: 530
North Dakota Certification #: R-036
Ohio DW Certification #: 41244
Ohio VAP Certification (1700) #: CL101
Ohio VAP Certification (1800) #: CL110*
Oklahoma Certification #: 9507*
Oregon Primary Certification #: MN300001
Oregon Secondary Certification #: MN200001*
Pennsylvania Certification #: 68-00563*
Puerto Rico Certification #: MN00064
South Carolina Certification #:74003001
Tennessee Certification #: TN02818
Texas Certification #: T104704192*
Utah Certification #: MN00064*
Vermont Certification #: VT-027053137
Virginia Certification #: 460163*
Washington Certification #: C486*
West Virginia DEP Certification #: 382
West Virginia DW Certification #: 9952 C
Wisconsin Certification #: 999407970
Wyoming UST Certification #: via A2LA 2926.01
USDA Permit #: P330-19-00208
*Please Note: Applicable air certifications are denoted with an asterisk (*).

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1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

SAMPLE SUMMARY

Project: 1690019558 FORMER MIRRO 20
Pace Project No.: 10569630

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10569630001	**EAST SUMP**	Air	07/08/21 08:42	07/13/21 10:00
10569630002	**EAST SUMP CERT#2767**	Air		07/13/21 10:00
10569630003	**WEST SUMP**	Air	07/08/21 08:45	07/13/21 10:00
10569630004	**WEST SUMP CERT#0842**	Air		07/13/21 10:00
10569630005	**UNUSED PACE2749**	Air		07/13/21 10:00
10569630006	**UNUSED PACE3609**	Air		07/13/21 10:00

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Minneapolis, MN 55414
(612)607-1700

SAMPLE ANALYTE COUNT

Project: 1690019558 FORMER MIRRO 20
Pace Project No.: 10569630

Lab ID	Sample ID	Method	Analysts	Analytes Reported
10569630001	**EAST SUMP**	TO-15	MJL	18
10569630002	**EAST SUMP CERT#2767**	TO-15	AFV	18
10569630003	**WEST SUMP**	TO-15	MJL	18
10569630004	**WEST SUMP CERT#0842**	TO-15	AFV	18

PASI-M = Pace Analytical Services - Minneapolis

REPORT OF LABORATORY ANALYSIS

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1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

PROJECT NARRATIVE

Project: 1690019558 FORMER MIRRO 20
Pace Project No.: 10569630

Method: **TO-15**
Description: TO15 MSV AIR
Client: Ramboll Environ- WI AIR
Date: July 20, 2021

General Information:
2 samples were analyzed for TO-15 by Pace Analytical Services Minneapolis. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

PROJECT NARRATIVE

Project: 1690019558 FORMER MIRRO 20
Pace Project No.: 10569630

Method: **TO-15**
Description: Individual Can Certification
Client: Ramboll Environ- WI AIR
Date: July 20, 2021

General Information:
2 samples were analyzed for TO-15 by Pace Analytical Services Minneapolis. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

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1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 1690019558 FORMER MIRRO 20
Pace Project No.: 10569630

Sample: EAST SUMP **Lab ID: 10569630001** Collected: 07/08/21 08:42 Received: 07/13/21 10:00 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15 Pace Analytical Services - Minneapolis								
Benzene	**0.93**	ug/m3	0.48	0.17	1.49		07/17/21 15:30	71-43-2	
1,2-Dichloroethane	**0.65J**	ug/m3	1.2	0.29	1.49		07/17/21 15:30	107-06-2	
1,1-Dichloroethene	**62.1**	ug/m3	1.2	0.21	1.49		07/17/21 15:30	75-35-4	
cis-1,2-Dichloroethene	**7760**	ug/m3	144	34.9	178.8		07/20/21 13:07	156-59-2	
trans-1,2-Dichloroethene	**287**	ug/m3	144	30.0	178.8		07/20/21 13:07	156-60-5	
Ethylbenzene	**<0.46**	ug/m3	1.3	0.46	1.49		07/17/21 15:30	100-41-4	
Methyl-tert-butyl ether	**<0.19**	ug/m3	5.5	0.19	1.49		07/17/21 15:30	1634-04-4	
Naphthalene	**4.4**	ug/m3	4.0	3.2	1.49		07/17/21 15:30	91-20-3	
Tetrachloroethene	**3150**	ug/m3	123	52.2	178.8		07/20/21 13:07	127-18-4	
Toluene	**2.5**	ug/m3	1.1	0.36	1.49		07/17/21 15:30	108-88-3	
1,1,1-Trichloroethane	**17.3**	ug/m3	1.7	0.28	1.49		07/17/21 15:30	71-55-6	
Trichloroethene	**1470**	ug/m3	97.6	35.0	178.8		07/20/21 13:07	79-01-6	
1,2,4-Trimethylbenzene	**1.4J**	ug/m3	1.5	0.53	1.49		07/17/21 15:30	95-63-6	
1,3,5-Trimethylbenzene	**0.63J**	ug/m3	1.5	0.43	1.49		07/17/21 15:30	108-67-8	
Vinyl chloride	**385**	ug/m3	46.5	15.5	178.8		07/20/21 13:07	75-01-4	
Xylene (Total)	**3.2J**	ug/m3	3.9	0.96	1.49		07/17/21 15:30	1330-20-7	
m&p-Xylene	**2.6J**	ug/m3	2.6	0.96	1.49		07/17/21 15:30	179601-23-1	
o-Xylene	**0.61J**	ug/m3	1.3	0.40	1.49		07/17/21 15:30	95-47-6	

Sample: EAST SUMP CERT#2767 **Lab ID: 10569630002** Collected: Received: 07/13/21 10:00 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Individual Can Certification	Analytical Method: TO-15 Pace Analytical Services - Minneapolis								
Benzene	**<0.057**	ug/m3	0.16	0.057	0.5		06/24/21 00:31	71-43-2	
1,2-Dichloroethane	**<0.097**	ug/m3	0.41	0.097	0.5		06/24/21 00:31	107-06-2	
1,1-Dichloroethene	**<0.069**	ug/m3	0.40	0.069	0.5		06/24/21 00:31	75-35-4	
cis-1,2-Dichloroethene	**<0.098**	ug/m3	0.40	0.098	0.5		06/24/21 00:31	156-59-2	
trans-1,2-Dichloroethene	**<0.084**	ug/m3	0.40	0.084	0.5		06/24/21 00:31	156-60-5	
Ethylbenzene	**<0.15**	ug/m3	0.44	0.15	0.5		06/24/21 00:31	100-41-4	
Methyl-tert-butyl ether	**<0.063**	ug/m3	1.8	0.063	0.5		06/24/21 00:31	1634-04-4	
Naphthalene	**<1.1**	ug/m3	1.3	1.1	0.5		06/24/21 00:31	91-20-3	
Tetrachloroethene	**<0.15**	ug/m3	0.34	0.15	0.5		06/24/21 00:31	127-18-4	
Toluene	**<0.12**	ug/m3	0.38	0.12	0.5		06/24/21 00:31	108-88-3	
1,1,1-Trichloroethane	**<0.093**	ug/m3	0.56	0.093	0.5		06/24/21 00:31	71-55-6	
Trichloroethene	**<0.098**	ug/m3	0.27	0.098	0.5		06/24/21 00:31	79-01-6	
1,2,4-Trimethylbenzene	**<0.18**	ug/m3	0.50	0.18	0.5		06/24/21 00:31	95-63-6	
1,3,5-Trimethylbenzene	**<0.14**	ug/m3	0.50	0.14	0.5		06/24/21 00:31	108-67-8	
Vinyl chloride	**<0.043**	ug/m3	0.13	0.043	0.5		06/24/21 00:31	75-01-4	
Xylene (Total)	**<0.32**	ug/m3	1.3	0.32	0.5		06/24/21 00:31	1330-20-7	
m&p-Xylene	**<0.32**	ug/m3	0.88	0.32	0.5		06/24/21 00:31	179601-23-1	
o-Xylene	**<0.14**	ug/m3	0.44	0.14	0.5		06/24/21 00:31	95-47-6	

REPORT OF LABORATORY ANALYSIS

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1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 1690019558 FORMER MIRRO 20
Pace Project No.: 10569630

Sample: WEST SUMP **Lab ID: 10569630003** Collected: 07/08/21 08:45 Received: 07/13/21 10:00 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15 Pace Analytical Services - Minneapolis								
Benzene	**<0.18**	ug/m3	0.51	0.18	1.58		07/17/21 16:07	71-43-2	
1,2-Dichloroethane	**<0.31**	ug/m3	1.3	0.31	1.58		07/17/21 16:07	107-06-2	
1,1-Dichloroethene	**<0.22**	ug/m3	1.3	0.22	1.58		07/17/21 16:07	75-35-4	
cis-1,2-Dichloroethene	**0.98J**	ug/m3	1.3	0.31	1.58		07/20/21 12:43	156-59-2	
trans-1,2-Dichloroethene	**<0.27**	ug/m3	1.3	0.27	1.58		07/17/21 16:07	156-60-5	
Ethylbenzene	**<0.49**	ug/m3	1.4	0.49	1.58		07/17/21 16:07	100-41-4	
Methyl-tert-butyl ether	**<0.20**	ug/m3	5.8	0.20	1.58		07/17/21 16:07	1634-04-4	
Naphthalene	**4.6**	ug/m3	4.2	3.4	1.58		07/17/21 16:07	91-20-3	
Tetrachloroethene	**1.5**	ug/m3	1.1	0.46	1.58		07/20/21 12:43	127-18-4	
Toluene	**2.2**	ug/m3	1.2	0.39	1.58		07/17/21 16:07	108-88-3	
1,1,1-Trichloroethane	**6.1**	ug/m3	1.8	0.29	1.58		07/17/21 16:07	71-55-6	
Trichloroethene	**0.43J**	ug/m3	0.86	0.31	1.58		07/20/21 12:43	79-01-6	
1,2,4-Trimethylbenzene	**2.0**	ug/m3	1.6	0.56	1.58		07/17/21 16:07	95-63-6	
1,3,5-Trimethylbenzene	**0.71J**	ug/m3	1.6	0.46	1.58		07/17/21 16:07	108-67-8	
Vinyl chloride	**<0.14**	ug/m3	0.41	0.14	1.58		07/17/21 16:07	75-01-4	
Xylene (Total)	**3.6J**	ug/m3	4.2	1.0	1.58		07/17/21 16:07	1330-20-7	
m&p-Xylene	**2.9**	ug/m3	2.8	1.0	1.58		07/17/21 16:07	179601-23-1	
o-Xylene	**0.74J**	ug/m3	1.4	0.43	1.58		07/17/21 16:07	95-47-6	

Sample: WEST SUMP CERT#0842 **Lab ID: 10569630004** Collected: Received: 07/13/21 10:00 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Individual Can Certification	Analytical Method: TO-15 Pace Analytical Services - Minneapolis								
Benzene	**<0.057**	ug/m3	0.16	0.057	0.5		06/23/21 17:48	71-43-2	
1,2-Dichloroethane	**<0.097**	ug/m3	0.41	0.097	0.5		06/23/21 17:48	107-06-2	
1,1-Dichloroethene	**<0.069**	ug/m3	0.40	0.069	0.5		06/23/21 17:48	75-35-4	
cis-1,2-Dichloroethene	**<0.098**	ug/m3	0.40	0.098	0.5		06/23/21 17:48	156-59-2	
trans-1,2-Dichloroethene	**<0.084**	ug/m3	0.40	0.084	0.5		06/23/21 17:48	156-60-5	
Ethylbenzene	**<0.15**	ug/m3	0.44	0.15	0.5		06/23/21 17:48	100-41-4	
Methyl-tert-butyl ether	**<0.063**	ug/m3	1.8	0.063	0.5		06/23/21 17:48	1634-04-4	
Naphthalene	**<1.1**	ug/m3	1.3	1.1	0.5		06/23/21 17:48	91-20-3	
Tetrachloroethene	**<0.15**	ug/m3	0.34	0.15	0.5		06/23/21 17:48	127-18-4	
Toluene	**<0.12**	ug/m3	0.38	0.12	0.5		06/23/21 17:48	108-88-3	
1,1,1-Trichloroethane	**<0.093**	ug/m3	0.56	0.093	0.5		06/23/21 17:48	71-55-6	
Trichloroethene	**<0.098**	ug/m3	0.27	0.098	0.5		06/23/21 17:48	79-01-6	
1,2,4-Trimethylbenzene	**<0.18**	ug/m3	0.50	0.18	0.5		06/23/21 17:48	95-63-6	
1,3,5-Trimethylbenzene	**<0.14**	ug/m3	0.50	0.14	0.5		06/23/21 17:48	108-67-8	
Vinyl chloride	**<0.043**	ug/m3	0.13	0.043	0.5		06/23/21 17:48	75-01-4	
Xylene (Total)	**<0.32**	ug/m3	1.3	0.32	0.5		06/23/21 17:48	1330-20-7	
m&p-Xylene	**<0.32**	ug/m3	0.88	0.32	0.5		06/23/21 17:48	179601-23-1	
o-Xylene	**<0.14**	ug/m3	0.44	0.14	0.5		06/23/21 17:48	95-47-6	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1690019558 FORMER MIRRO 20
Pace Project No.: 10569630

QC Batch: 756859
QC Batch Method: TO-15
Analysis Method: TO-15
Analysis Description: TO15 MSV AIR Low Level
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10569630001, 10569630003

METHOD BLANK: 4036119 Matrix: Air
Associated Lab Samples: 10569630001, 10569630003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/m3	<0.19	1.1	07/17/21 11:14	
1,1-Dichloroethene	ug/m3	<0.14	0.81	07/17/21 11:14	
1,2,4-Trimethylbenzene	ug/m3	<0.35	1.0	07/17/21 11:14	
1,2-Dichloroethane	ug/m3	<0.19	0.82	07/17/21 11:14	
1,3,5-Trimethylbenzene	ug/m3	<0.29	1.0	07/17/21 11:14	
Benzene	ug/m3	<0.11	0.32	07/17/21 11:14	
cis-1,2-Dichloroethene	ug/m3	<0.20	0.81	07/17/21 11:14	
Ethylbenzene	ug/m3	<0.31	0.88	07/17/21 11:14	
m&p-Xylene	ug/m3	<0.64	1.8	07/17/21 11:14	
Methyl-tert-butyl ether	ug/m3	<0.13	3.7	07/17/21 11:14	
Naphthalene	ug/m3	<2.2	2.7	07/17/21 11:14	
o-Xylene	ug/m3	<0.27	0.88	07/17/21 11:14	
Tetrachloroethene	ug/m3	<0.29	0.69	07/17/21 11:14	
Toluene	ug/m3	<0.24	0.77	07/17/21 11:14	
trans-1,2-Dichloroethene	ug/m3	<0.17	0.81	07/17/21 11:14	
Trichloroethene	ug/m3	<0.20	0.55	07/17/21 11:14	
Vinyl chloride	ug/m3	<0.087	0.26	07/17/21 11:14	
Xylene (Total)	ug/m3	<0.64	2.6	07/17/21 11:14	

LABORATORY CONTROL SAMPLE: 4036120

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/m3	59.3	67.8	114	70-130	
1,1-Dichloroethene	ug/m3	43.5	49.8	115	70-130	
1,2,4-Trimethylbenzene	ug/m3	54	63.0	117	70-142	
1,2-Dichloroethane	ug/m3	44.4	46.6	105	70-132	
1,3,5-Trimethylbenzene	ug/m3	53.7	61.5	115	70-143	
Benzene	ug/m3	34.8	37.0	106	70-131	
cis-1,2-Dichloroethene	ug/m3	43.4	45.5	105	70-137	
Ethylbenzene	ug/m3	47.8	55.2	115	70-142	
m&p-Xylene	ug/m3	95.4	109	114	70-141	
Methyl-tert-butyl ether	ug/m3	39.6	42.7	108	70-143	
Naphthalene	ug/m3	65.2	73.1	112	67-132	
o-Xylene	ug/m3	47.6	55.3	116	70-141	
Tetrachloroethene	ug/m3	73.4	79.7	109	70-130	
Toluene	ug/m3	41.6	46.3	111	70-138	
trans-1,2-Dichloroethene	ug/m3	43.6	45.3	104	70-130	
Trichloroethene	ug/m3	58.4	62.3	107	70-130	
Vinyl chloride	ug/m3	28	27.8	99	70-137	

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(612)607-1700

QUALITY CONTROL DATA

Project: 1690019558 FORMER MIRRO 20
Pace Project No.: 10569630

LABORATORY CONTROL SAMPLE: 4036120

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Xylene (Total)	ug/m3	143	164	115	70-130	

SAMPLE DUPLICATE: 4036364

Parameter	Units	10570267027 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	<9.4		25	
1,1-Dichloroethene	ug/m3	ND	<7.0		25	
1,2,4-Trimethylbenzene	ug/m3	152	142	7	25	
1,2-Dichloroethane	ug/m3	ND	<9.8		25	
1,3,5-Trimethylbenzene	ug/m3	71.2	71.4	0	25	
Benzene	ug/m3	ND	<5.7		25	
cis-1,2-Dichloroethene	ug/m3	41.9	38.3J		25	
Ethylbenzene	ug/m3	52.6	51.0	3	25	
m&p-Xylene	ug/m3	272	254	7	25	
Methyl-tert-butyl ether	ug/m3	ND	<6.4		25	
Naphthalene	ug/m3	ND	<109		25	
o-Xylene	ug/m3	148	139	6	25	
Tetrachloroethene	ug/m3	36.0	35.3	2	25	
Toluene	ug/m3	ND	<12.3		25	
trans-1,2-Dichloroethene	ug/m3	12500	11300	10	25	
Trichloroethene	ug/m3	590	561	5	25	
Vinyl chloride	ug/m3	ND	<4.4		25	
Xylene (Total)	ug/m3	419	393	6	25	

SAMPLE DUPLICATE: 4036365

Parameter	Units	10570267035 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	<10.0		25	
1,1-Dichloroethene	ug/m3	ND	<7.5		25	
1,2,4-Trimethylbenzene	ug/m3	ND	20.5J		25	
1,2-Dichloroethane	ug/m3	ND	<10.5		25	
1,3,5-Trimethylbenzene	ug/m3	75.6	71.9	5	25	
Benzene	ug/m3	ND	<6.2		25	
cis-1,2-Dichloroethene	ug/m3	ND	<10.5		25	
Ethylbenzene	ug/m3	170	155	9	25	
m&p-Xylene	ug/m3	160	150	7	25	
Methyl-tert-butyl ether	ug/m3	ND	<6.8		25	
Naphthalene	ug/m3	ND	<117		25	
o-Xylene	ug/m3	439	397	10	25	
Tetrachloroethene	ug/m3	59.6	60.3	1	25	
Toluene	ug/m3	ND	<13.2		25	
trans-1,2-Dichloroethene	ug/m3	11800	11300	4	25	
Trichloroethene	ug/m3	8350	8820	6	25	
Vinyl chloride	ug/m3	ND	<4.7		25	

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QUALITY CONTROL DATA

Project: 1690019558 FORMER MIRRO 20
Pace Project No.: 10569630

SAMPLE DUPLICATE: 4036365

Parameter	Units	10570267035 Result	Dup Result	RPD	Max RPD	Qualifiers
Xylene (Total)	ug/m3	599	547	9	25	

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(612)607-1700

QUALIFIERS

Project: 1690019558 FORMER MIRRO 20
Pace Project No.: 10569630

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

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(612)607-1700

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 1690019558 FORMER MIRRO 20
Pace Project No.: 10569630

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10569630001	**EAST SUMP**	TO-15	756859		
10569630003	**WEST SUMP**	TO-15	756859		
10569630002	**EAST SUMP CERT#2767**	TO-15	757180		
10569630004	**WEST SUMP CERT#0842**	TO-15	757180		

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AIR: CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

50751

Page: 1 of 1

Section A Required Client Information:

Company: RAMBOLL
Address: 234 W FLORIDA ST
MILWAUKEE, WI 53204
Email To: SPETROFSKE@RAMBOLL.COM
Phone: Fax:
Requested Due Date/TAT:

Section B Required Project Information:

Report To: SPETROFSKE@RAMBOLL.COM
Copy To:
Purchase Order No.:
Project Name: FORMER MIRRO 20
Project Number: 1690019558

Section C Invoice Information:

Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager/Sales Rep.
Pace Profile #: 43268

Program: ☐ UST ☐ Superfund ☐ Emissions ☐ Clean Air Act ☐ Voluntary Clean Up ☐ Dry Clean ☐ RCRA ☐ Other

Location of Sampling by State:

Reporting Units: ug/m³ mg/m³ PPBV PPMV Other

Report Level II. III. IV. Other

Section D Required Client Information

AIR SAMPLE ID
Sample IDs MUST BE UNIQUE

Valid Media Codes

MEDIA	CODE
Tedlar Bag	TB
1 Liter Summa Can	1LC
6 Liter Summa Can	6LC
Low Volume Puff	LVP
High Volume Puff	HVP
Other	PM10

ITEM #	'Section D Required Client Information: AIR SAMPLE ID (Sample IDs MUST BE UNIQUE)	MEDIA CODE	PID Reading (Client only)	COLLECTED: COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE - END/GRAB DATE	COMPOSITE - END/GRAB TIME	Canister Pressure (Initial Field - in Hg)	Canister Pressure (Final Field - in Hg)	Summa Can Number	Flow Control Number	Method: PM10	3C - Fixed Gas (%)	TO-3 BTEX	TO-3M (Methane)	TO-14	TO-15 Full List VOCs	TO-15 Short List BTEX	TO-15 Short List Chlorinated	TO-15 Short List (other)	Pace Lab ID
1	EAST SUMP	6LC	TB	7-8-21	805	7-8-21	842	-30	-2	2767	2992									X	001 002
2	WEST SUMP	6LC	38	7-8-21	811	7-8-21	845	-29	-4	0842	2919									X	003 004
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

Comments:
SEE EMAIL FROM PLINDQUIST@RAMBOLL.COM FOR TO-15 SHORT LIST (OTHER)

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
[signature] / RAMBOLL	7-8	1500	FEDEX	7-8	1500
			[signature] / Pace	7-13-21	10:00

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER:
SIGNATURE of SAMPLER: DATE Signed (MM / DD / YY)

SAMPLE CONDITIONS

	Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact
		Y/N	Y/N	Y/N
		Y/N	Y/N	Y/N
		Y/N	Y/N	Y/N

WO#: 10569630

Pace Analytical®	Document Name: Sample Condition Upon Receipt (SCUR) - Air	Document Revised: 24Mar2020 Page 1 of 1
	Document No.: ENV-FRM-MIN4-0113 Rev.00	Pace Analytical Services - Minneapolis

Air Sample Condition Upon Receipt Client Name: Ramboll Project #: **WO#: 10569630**

PM: CT1 **Due Date: 07/20/21**

CLIENT: Ramboll-WI

Courier: [X] Fed Ex [ ] UPS [ ] USPS [ ] Client [ ] Pace [ ] SpeeDee [ ] Commercial See Exception [ ]

Tracking Number: 9753 8443 7929

Custody Seal on Cooler/Box Present? [ ] Yes [X] No Seals Intact? [ ] Yes [ ] No

Packing Material: [ ] Bubble Wrap [ ] Bubble Bags [X] Foam [ ] None [ ] Tin Can [ ] Other: _____ Temp Blank rec: [ ] Yes [X] No

Temp. (TO17 and TO13 samples only) (°C): _____ Corrected Temp (°C): _____ Thermometer Used: [ ] G87A9170600254 [ ] G87A9155100842

Temp should be above freezing to 6°C Correction Factor: _____ Date & Initials of Person Examining Contents: 7-13-21 mT

Type of ice Received [ ] Blue [ ] Wet [X] None

		Comments:
Chain of Custody Present?	[X] Yes [ ] No	1.
Chain of Custody Filled Out?	[X] Yes [ ] No	2.
Chain of Custody Relinquished?	[X] Yes [ ] No	3.
Sampler Name and/or Signature on COC? 7-13-21 mT	[X] Yes [X] No [ ] N/A	4.
Samples Arrived within Hold Time?	[X] Yes [ ] No	5.
Short Hold Time Analysis (<72 hr)?	[ ] Yes [X] No	6.
Rush Turn Around Time Requested?	[ ] Yes [X] No	7.
Sufficient Volume?	[X] Yes [ ] No	8.
Correct Containers Used? **(Tedlar bags not acceptable container for TO-14, TO-15 or APH)** -Pace Containers Used?	[X] Yes [ ] No [X] Yes [ ] No	9.
Containers Intact? **(visual inspection/no leaks when pressurized)**	[X] Yes [ ] No	10.
Media: Air Can Airbag Filter TDT Passive		11. Individually Certified Cans (Y) N (list which samples)
Is sufficient information available to reconcile samples to the COC?	[X] Yes [ ] No	12.
Do cans need to be pressurized? **(DO NOT PRESSURIZE 3C or ASTM 1946!!!)**	[X] Yes [ ] No	13.

Gauge # [ ] 10AIR26 [X] 10AIR34 [ ] 10AIR35 [ ] 4097

Canisters					Canisters				
Sample Number	Can ID	Flow Controller	Initial Pressure	Final Pressure	Sample Number	Can ID	Flow Controller	Initial Pressure	Final Pressure
EAST	2767	2992	-3	+5					
WEST	842	2919	-4.5	+5					
Unused	2749	2911	-28	-					
"	3609	2672	-28	-					

CLIENT NOTIFICATION/RESOLUTION Field Data Required? [ ] Yes [ ] No

Person Contacted: _____ Date/Time: _____

Comments/Resolution: _____

Project Manager Review: Carolynne Trout **Date:** 7/14/21

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

Laboratory Job ID: 500-203366-1
Client Project/Site: Former Mirro 20 - Chilton 1690019558
Revision: 2

For:
Ramboll US Corporation
234 W. Florida Street
Fifth Floor
Milwaukee, Wisconsin 53204

Attn: Duncan Glasford

Authorized for release by:
8/26/2021 6:04:17 PM

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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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Job ID: 500-203366-1

Laboratory: Eurofins TestAmerica, Chicago

Narrative

Job Narrative
500-203366-1

Comments
Revised Report: Sample ID updated to FB-02 for sample 23.
Revised Report: Total Metals updated to dissolved per client.

Receipt
The samples were received on 8/5/2021 9:45 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 2.1º C and 3.3º C.

Receipt Exceptions
The container label for the following sample(s) did not match the information listed on the Chain-of-Custody (COC):Sample #12 container label on VOCs list ID as "MW-5A" with time of 0745 while COC list "B-5A". Logged per COC

The following sample(s) was received at the laboratory outside the required temperature criteria: Cooler received out of temp at 10.4C. No temp blank was provided. Water only in cooler indicates ice melted en route to lab. PZ-8 (500-203366-17), OMPZ-3 (500-203366-18) and OMPZ-3 DUP (500-203366-19).

GC/MS VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Metals
Method 6020A: The low level continuing calibration verification (CCVL) at line 114, associated with batch 500-613754 recovered above the upper control limit for Selenium. The samples associated with this CCV were non-detects for the affected analyte; 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.

LCMS
Method 537 (modified): The "I" qualifier means the transition mass ratio for the indicated analyte was outside of the established ratio limit. The qualitative identification of the analyte has some degree of uncertainty, and the reported value may have some high bias. However, analyst judgment was used to positively identify the analyte. (CCB 320-514536/15)

Method 537 (modified): The transition mass ratio for the target analyte, Perfluorohexanoic acid (PFHxA) was outside of the established ratio limit. The target analyte meets control limits, there is no impact to the data. (CCVL 320-515915/2)

Method 537 (modified): The "I" qualifier means the transition mass ratio for the indicated analyte was outside of the established ratio limits. The qualitative identification of the analyte has some degree of uncertainty, and the reported value may have some high bias. However, analyst judgment was used to positively identify the analyte. OMPZ-3 (500-203366-18) and OMPZ-3 DUP (500-203366-19)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep
Method 3535: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 320-514062. 320-514062 Method: PFC_IDA_WI Matrix: Water

Method 3535: The following samples are yellow and contain a thin layer of sediment at the bottom of the bottle prior to extraction: PZ-10 (500-203366-4), MW-10 (500-203366-5) and MW-5 (500-203366-8). preparation batch 320-514062 Method: PFC_IDA_WI Matrix: Water

Method 3535: The following sample was a cloudy orange prior to extraction: PZ-5 (500-203366-6). preparation batch 320-514346 Method: 3535_PFC_28D Matrix: Aqueous

Job ID: 500-203366-1 (Continued)

Laboratory: Eurofins TestAmerica, Chicago (Continued)

Method 3535: The following samples were yellow prior to extraction: B-5 (500-203366-1), B-11 (500-203366-3), PZ-10 (500-203366-4), MW-10 (500-203366-5) and PZ-5 DUP (500-203366-7). preparation batch 320-514346 Method: 3535_PFC_28D Matrix: Aqueous

Method 3535: The following samples had black particulates prior to extraction: MW-8 (500-203366-10[MS]) and MW-8 (500-203366-10[MSD]). preparation batch 320-514346 Method: 3535_PFC_28D Matrix: Aqueous

Method 3535: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 320-515852. PFC_IDA_WI Water

Method 3535: The following sample was yellow prior to extraction: PZ-8 (500-203366-17). preparation batch 320-515852 PFC_IDA_WI Water

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Narrative

Job Narrative
500-203366-2

Comments
Dissolved metals added by client.

Detection Summary

Client: Ramboll US Corporation
Project/Site: Former Mirro 20 - Chilton 1690019558

Job ID: 500-203366-1

Client Sample ID: B-5 — Lab Sample ID: 500-203366-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.18	J	0.50	0.15	ug/L	1		8260B	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.92	J	1.8	0.18	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	1.1	J	1.8	0.52	ng/L	1		537 (modified)	Total/NA
Arsenic	0.71	J B	1.0	0.23	ug/L	1		6020A	Dissolved
Barium	75		2.5	0.73	ug/L	1		6020A	Dissolved
Selenium	1.6	J B ^+	2.5	0.98	ug/L	1		6020A	Dissolved

Client Sample ID: B-6 — Lab Sample ID: 500-203366-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.16	J	0.50	0.15	ug/L	1		8260B	Total/NA
Perfluorobutanoic acid (PFBA)	6.4		4.6	2.2	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	1.0	J	1.8	0.45	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	1.1	J	1.8	0.53	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.47	J	1.8	0.23	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	1.3	J	1.8	0.78	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	0.38	J	1.8	0.28	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	1.2	J	1.8	0.18	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	1.7	J	1.8	0.52	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanesulfonic Acid (PFHpS)	0.47	J	1.8	0.17	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	16		1.8	0.49	ng/L	1		537 (modified)	Total/NA
Arsenic	0.93	J B	1.0	0.23	ug/L	1		6020A	Dissolved
Barium	35		2.5	0.73	ug/L	1		6020A	Dissolved
Selenium	1.6	J B ^+	2.5	0.98	ug/L	1		6020A	Dissolved

Client Sample ID: B-11 — Lab Sample ID: 500-203366-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	4.9		1.0	0.41	ug/L	1		8260B	Total/NA
Toluene	0.15	J	0.50	0.15	ug/L	1		8260B	Total/NA
Trichloroethene	0.31	J	0.50	0.16	ug/L	1		8260B	Total/NA
Perfluorodecanoic acid (PFDA)	0.29	J	1.7	0.27	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	1.1	J	1.7	0.17	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	1.2	J	1.7	0.49	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.85	J	1.7	0.47	ng/L	1		537 (modified)	Total/NA
Arsenic	1.9	B	1.0	0.23	ug/L	1		6020A	Dissolved
Barium	140		2.5	0.73	ug/L	1		6020A	Dissolved
Selenium	1.4	J B ^+	2.5	0.98	ug/L	1		6020A	Dissolved

Client Sample ID: PZ-10 — Lab Sample ID: 500-203366-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.24	J	0.50	0.15	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	21		1.0	0.41	ug/L	1		8260B	Total/NA
1,2-Dichloroethane	89		1.0	0.39	ug/L	1		8260B	Total/NA
Toluene	0.23	J	0.50	0.15	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	0.55	J	1.0	0.35	ug/L	1		8260B	Total/NA
Trichloroethene	0.23	J	0.50	0.16	ug/L	1		8260B	Total/NA
Vinyl chloride	1.3		1.0	0.20	ug/L	1		8260B	Total/NA
Perfluoropentanoic acid (PFPeA)	0.55	J	1.8	0.44	ng/L	1		537 (modified)	Total/NA
Arsenic	0.44	J B	1.0	0.23	ug/L	1		6020A	Dissolved
Barium	32		2.5	0.73	ug/L	1		6020A	Dissolved

This Detection Summary does not include radiochemical test results.

Client Sample ID: PZ-10 (Continued) — Lab Sample ID: 500-203366-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Selenium	2.0	J B ^+	2.5	0.98	ug/L	1		6020A	Dissolved

Client Sample ID: MW-10 — Lab Sample ID: 500-203366-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	5.5		1.0	0.41	ug/L	1		8260B	Total/NA
1,2-Dichloroethane	27		1.0	0.39	ug/L	1		8260B	Total/NA
Toluene	0.16	J	0.50	0.15	ug/L	1		8260B	Total/NA
Vinyl chloride	0.74	J	1.0	0.20	ug/L	1		8260B	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.65	J	1.9	0.50	ng/L	1		537 (modified)	Total/NA
Arsenic	2.5	B	1.0	0.23	ug/L	1		6020A	Dissolved
Barium	63		2.5	0.73	ug/L	1		6020A	Dissolved
Selenium	1.5	J B ^+	2.5	0.98	ug/L	1		6020A	Dissolved

Client Sample ID: PZ-5 — Lab Sample ID: 500-203366-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichloroethane	1.0		1.0	0.39	ug/L	1		8260B	Total/NA
Toluene	0.17	J	0.50	0.15	ug/L	1		8260B	Total/NA
Trichloroethene	1.2		0.50	0.16	ug/L	1		8260B	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.20	J	1.9	0.19	ng/L	1		537 (modified)	Total/NA
Arsenic	18	B	1.0	0.23	ug/L	1		6020A	Dissolved
Barium	70		2.5	0.73	ug/L	1		6020A	Dissolved
Selenium	1.7	J B ^+	2.5	0.98	ug/L	1		6020A	Dissolved

Client Sample ID: PZ-5 DUP — Lab Sample ID: 500-203366-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichloroethane	0.91	J	1.0	0.39	ug/L	1		8260B	Total/NA
Toluene	0.17	J	0.50	0.15	ug/L	1		8260B	Total/NA
Trichloroethene	1.2		0.50	0.16	ug/L	1		8260B	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.23	J	1.8	0.18	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	0.59	J	1.8	0.51	ng/L	1		537 (modified)	Total/NA
Arsenic	16	B	1.0	0.23	ug/L	1		6020A	Dissolved
Barium	67		2.5	0.73	ug/L	1		6020A	Dissolved
Selenium	1.4	J B ^+	2.5	0.98	ug/L	1		6020A	Dissolved

Client Sample ID: MW-5 — Lab Sample ID: 500-203366-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	5.4		1.0	0.41	ug/L	1		8260B	Total/NA
1,2-Dichloroethane	0.56	J	1.0	0.39	ug/L	1		8260B	Total/NA
Toluene	0.15	J	0.50	0.15	ug/L	1		8260B	Total/NA
Perfluorobutanoic acid (PFBA)	2.3	J	4.3	2.1	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	0.70	J	1.7	0.42	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	0.51	J	1.7	0.50	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.41	J	1.7	0.22	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	1.5	J	1.7	0.74	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	0.27	J	1.7	0.23	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.67	J	1.7	0.17	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	0.81	J	1.7	0.49	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	3.0		1.7	0.47	ng/L	1		537 (modified)	Total/NA
Arsenic	1.2	B	1.0	0.23	ug/L	1		6020A	Dissolved

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-5 (Continued) — Lab Sample ID: 500-203366-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	65		2.5	0.73	ug/L	1		6020A	Dissolved
Selenium	1.7	J B ^+	2.5	0.98	ug/L	1		6020A	Dissolved

Client Sample ID: OMPZ-4 — Lab Sample ID: 500-203366-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichloroethane	0.85	J	1.0	0.39	ug/L	1		8260B	Total/NA
Toluene	0.15	J	0.50	0.15	ug/L	1		8260B	Total/NA
Trichloroethene	0.19	J	0.50	0.16	ug/L	1		8260B	Total/NA
Arsenic	0.70	J B	1.0	0.23	ug/L	1		6020A	Dissolved
Barium	35		2.5	0.73	ug/L	1		6020A	Dissolved
Selenium	1.5	J B ^+	2.5	0.98	ug/L	1		6020A	Dissolved

Client Sample ID: MW-8 — Lab Sample ID: 500-203366-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	100		1.0	0.41	ug/L	1		8260B	Total/NA
Tetrachloroethene	15		1.0	0.37	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	1.7		1.0	0.35	ug/L	1		8260B	Total/NA
Trichloroethene	8.5		0.50	0.16	ug/L	1		8260B	Total/NA
Vinyl chloride	3.2		1.0	0.20	ug/L	1		8260B	Total/NA
Perfluorohexanoic acid (PFHxA)	0.69	J	1.8	0.52	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.27	J	1.8	0.22	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	4.1		1.8	0.76	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	0.33	J	1.8	0.28	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	1.0	J	1.8	0.18	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	3.9		1.8	0.51	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	2.4		1.8	0.48	ng/L	1		537 (modified)	Total/NA
Arsenic	0.82	J B	1.0	0.23	ug/L	1		6020A	Dissolved
Barium	100		2.5	0.73	ug/L	1		6020A	Dissolved
Selenium	1.9	J B ^+	2.5	0.98	ug/L	1		6020A	Dissolved

Client Sample ID: EB-01 — Lab Sample ID: 500-203366-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	2.7	J	5.0	2.1	ug/L	1		8260B	Total/NA
Chloroform	1.0	J	2.0	0.37	ug/L	1		8260B	Total/NA
Toluene	0.63		0.50	0.15	ug/L	1		8260B	Total/NA
Xylenes, Total	0.23	J	1.0	0.22	ug/L	1		8260B	Total/NA
Arsenic	1.8	B	1.0	0.23	ug/L	1		6020A	Dissolved
Selenium	2.4	J B ^+	2.5	0.98	ug/L	1		6020A	Dissolved

Client Sample ID: B-5A — Lab Sample ID: 500-203366-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.15	J	0.50	0.15	ug/L	1		8260B	Total/NA
Perfluorobutanoic acid (PFBA)	6.1		4.7	2.3	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	0.55	J	1.9	0.46	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	0.70	J	1.9	0.55	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.26	J	1.9	0.24	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	1.1	J	1.9	0.81	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	1.1	J	1.9	0.19	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	1.5	J	1.9	0.54	ng/L	1		537 (modified)	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: B-5A (Continued) — Lab Sample ID: 500-203366-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorooctanesulfonic acid (PFOS)	8.9		1.9	0.51	ng/L	1		537 (modified)	Total/NA
Arsenic	0.91	J B	1.0	0.23	ug/L	1		6020A	Dissolved
Barium	50		2.5	0.73	ug/L	1		6020A	Dissolved
Selenium	1.1	J B ^+	2.5	0.98	ug/L	1		6020A	Dissolved

Client Sample ID: B-9 — Lab Sample ID: 500-203366-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid (PFHxA)	0.57	J	1.8	0.53	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	1.0	J	1.8	0.18	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	1.5	J	1.8	0.52	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	3.0		1.8	0.50	ng/L	1		537 (modified)	Total/NA
Arsenic	1.0	B	1.0	0.23	ug/L	1		6020A	Dissolved
Barium	45		2.5	0.73	ug/L	1		6020A	Dissolved
Selenium	1.5	J B ^+	2.5	0.98	ug/L	1		6020A	Dissolved

Client Sample ID: B-12 — Lab Sample ID: 500-203366-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloromethane	0.49	J	1.0	0.32	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	51		1.0	0.41	ug/L	1		8260B	Total/NA
Tetrachloroethene	2.7		1.0	0.37	ug/L	1		8260B	Total/NA
Toluene	0.16	J	0.50	0.15	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	1.0		1.0	0.35	ug/L	1		8260B	Total/NA
Trichloroethene	5.5		0.50	0.16	ug/L	1		8260B	Total/NA
Vinyl chloride	0.22	J	1.0	0.20	ug/L	1		8260B	Total/NA
Perfluorohexanoic acid (PFHxA)	0.57	J	1.8	0.52	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	5.0		1.8	0.77	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	0.28	J	1.8	0.28	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.88	J	1.8	0.18	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	2.6		1.8	0.51	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	1.6	J	1.8	0.49	ng/L	1		537 (modified)	Total/NA
Arsenic	3.7	B	1.0	0.23	ug/L	1		6020A	Dissolved
Barium	94		2.5	0.73	ug/L	1		6020A	Dissolved
Selenium	2.4	J B ^+	2.5	0.98	ug/L	1		6020A	Dissolved

Client Sample ID: MW-2 — Lab Sample ID: 500-203366-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.15	J	0.50	0.15	ug/L	1		8260B	Total/NA
Perfluorodecanoic acid (PFDA)	0.33	J	1.8	0.28	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.70	J	1.8	0.18	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	1.5	J	1.8	0.52	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	1.1	J	1.8	0.50	ng/L	1		537 (modified)	Total/NA
Arsenic	1.8	B	1.0	0.23	ug/L	1		6020A	Dissolved
Barium	49		2.5	0.73	ug/L	1		6020A	Dissolved
Selenium	1.2	J B ^+	2.5	0.98	ug/L	1		6020A	Dissolved

Client Sample ID: MW-1 — Lab Sample ID: 500-203366-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanesulfonic acid (PFBS)	0.62	J	2.0	0.20	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	1.4	J	2.0	0.57	ng/L	1		537 (modified)	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-1 (Continued) — Lab Sample ID: 500-203366-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorooctanesulfonic acid (PFOS)	0.61	J	2.0	0.54	ng/L	1		537 (modified)	Total/NA
Arsenic	1.4	B	1.0	0.23	ug/L	1		6020A	Dissolved
Barium	58		2.5	0.73	ug/L	1		6020A	Dissolved
Selenium	1.5	J B ^+	2.5	0.98	ug/L	1		6020A	Dissolved

Client Sample ID: PZ-8 — Lab Sample ID: 500-203366-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	21		1.0	0.41	ug/L	1		8260B	Total/NA
Toluene	0.15	J	0.50	0.15	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	0.76	J	1.0	0.35	ug/L	1		8260B	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.88	J	1.8	0.18	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	0.84	J	1.8	0.52	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.66	J	1.8	0.49	ng/L	1		537 (modified)	Total/NA
Arsenic	1.1	B	1.0	0.23	ug/L	1		6020A	Dissolved
Barium	110		2.5	0.73	ug/L	1		6020A	Dissolved
Selenium	1.6	J B ^+	2.5	0.98	ug/L	1		6020A	Dissolved

Client Sample ID: OMPZ-3 — Lab Sample ID: 500-203366-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	120		1.0	0.41	ug/L	1		8260B	Total/NA
Tetrachloroethene	8.8		1.0	0.37	ug/L	1		8260B	Total/NA
Toluene	0.18	J	0.50	0.15	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	6.9		1.0	0.35	ug/L	1		8260B	Total/NA
Trichloroethene	7.9		0.50	0.16	ug/L	1		8260B	Total/NA
Perfluoropentanoic acid (PFPeA)	9.1		1.9	0.47	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	4.5	I	1.9	0.56	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	1.1	J	1.9	0.24	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	1.0	J	1.9	0.19	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	0.93	J	1.9	0.55	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.53	J	1.9	0.52	ng/L	1		537 (modified)	Total/NA
6:2 FTS	4.5	J	4.8	2.4	ng/L	1		537 (modified)	Total/NA
Arsenic	0.95	J B	1.0	0.23	ug/L	1		6020A	Dissolved
Barium	79		2.5	0.73	ug/L	1		6020A	Dissolved
Selenium	1.7	J B ^+	2.5	0.98	ug/L	1		6020A	Dissolved

Client Sample ID: OMPZ-3 DUP — Lab Sample ID: 500-203366-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	110		1.0	0.41	ug/L	1		8260B	Total/NA
Tetrachloroethene	8.4		1.0	0.37	ug/L	1		8260B	Total/NA
Toluene	0.16	J	0.50	0.15	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	6.5		1.0	0.35	ug/L	1		8260B	Total/NA
Trichloroethene	7.6		0.50	0.16	ug/L	1		8260B	Total/NA
Perfluoropentanoic acid (PFPeA)	9.5		1.9	0.46	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	3.8		1.9	0.55	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	1.1	J I	1.9	0.24	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	1.2	J	1.9	0.19	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	0.81	J	1.9	0.54	ng/L	1		537 (modified)	Total/NA
6:2 FTS	4.2	J	4.7	2.4	ng/L	1		537 (modified)	Total/NA
Arsenic	0.86	J B	1.0	0.23	ug/L	1		6020A	Dissolved

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Ramboll US Corporation
Project/Site: Former Mirro 20 - Chilton 1690019558

Job ID: 500-203366-1

Client Sample ID: OMPZ-3 DUP (Continued) — Lab Sample ID: 500-203366-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	81		2.5	0.73	ug/L	1		6020A	Dissolved
Selenium	1.4	J B ^+	2.5	0.98	ug/L	1		6020A	Dissolved

Client Sample ID: PZ-9 — Lab Sample ID: 500-203366-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	33		1.0	0.41	ug/L	1		8260B	Total/NA
Tetrachloroethene	130		1.0	0.37	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	0.64	J	1.0	0.35	ug/L	1		8260B	Total/NA
Trichloroethene	59		0.50	0.16	ug/L	1		8260B	Total/NA
Perfluorobutanoic acid (PFBA)	3.5	J	4.7	2.3	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	2.9		1.9	0.46	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	1.6	J	1.9	0.55	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	1.3	J	1.9	0.24	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	1.9		1.9	0.81	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	0.63	J	1.9	0.26	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	0.40	J	1.9	0.29	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	2.3		1.9	0.51	ng/L	1		537 (modified)	Total/NA
Arsenic	0.92	J B	1.0	0.23	ug/L	1		6020A	Dissolved
Barium	120		2.5	0.73	ug/L	1		6020A	Dissolved
Selenium	1.5	J B ^+	2.5	0.98	ug/L	1		6020A	Dissolved

Client Sample ID: MW-9 — Lab Sample ID: 500-203366-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.16	J	0.50	0.15	ug/L	1		8260B	Total/NA
1,1,1-Trichloroethane	2.0		1.0	0.38	ug/L	1		8260B	Total/NA
Perfluoropentanoic acid (PFPeA)	0.49	J	1.9	0.46	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	0.95	J	1.9	0.54	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.42	J	1.9	0.23	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	3.8		1.9	0.79	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	1.2	J	1.9	0.19	ng/L	1		537 (modified)	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	0.41	J	1.9	0.28	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	15		1.9	0.53	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanesulfonic Acid (PFHpS)	0.38	J	1.9	0.18	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	55		1.9	0.50	ng/L	1		537 (modified)	Total/NA
Arsenic	0.71	J	1.0	0.23	ug/L	1		6020A	Dissolved
Barium	75		2.5	0.73	ug/L	1		6020A	Dissolved
Selenium	4.1		2.5	0.98	ug/L	1		6020A	Dissolved

Client Sample ID: EB-02 — Lab Sample ID: 500-203366-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	2.5	J	5.0	2.1	ug/L	1		8260B	Total/NA
Chloroform	0.73	J	2.0	0.37	ug/L	1		8260B	Total/NA
Toluene	0.34	J	0.50	0.15	ug/L	1		8260B	Total/NA
Arsenic	0.44	J	1.0	0.23	ug/L	1		6020A	Dissolved

Client Sample ID: FB-02 — Lab Sample ID: 500-203366-23

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Chicago

Detection Summary

Client: Ramboll US Corporation
Job ID: 500-203366-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: FB-01
Lab Sample ID: 500-203366-24

No Detections.

Client Sample ID: TRIP BLANK
Lab Sample ID: 500-203366-25

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Ramboll US Corporation
Job ID: 500-203366-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL CHI
537 (modified)	Fluorinated Alkyl Substances	EPA	TAL SAC
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL CHI
3535	Solid-Phase Extraction (SPE)	SW846	TAL SAC
5030B	Purge and Trap	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 TestAmerica, Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Sample Summary

Client: Ramboll US Corporation
Job ID: 500-203366-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-203366-1	B-5	Water	08/03/21 07:45	08/05/21 09:45
500-203366-2	B-6	Water	08/03/21 08:45	08/05/21 09:45
500-203366-3	B-11	Water	08/03/21 09:35	08/05/21 09:45
500-203366-4	PZ-10	Water	08/03/21 11:50	08/05/21 09:45
500-203366-5	MW-10	Water	08/03/21 12:35	08/05/21 09:45
500-203366-6	PZ-5	Water	08/03/21 13:30	08/05/21 09:45
500-203366-7	PZ-5 DUP	Water	08/03/21 13:30	08/05/21 09:45
500-203366-8	MW-5	Water	08/03/21 14:20	08/05/21 09:45
500-203366-9	OMPZ-4	Water	08/03/21 15:20	08/05/21 09:45
500-203366-10	MW-8	Water	08/03/21 16:20	08/05/21 09:45
500-203366-11	EB-01	Water	08/03/21 17:15	08/05/21 09:45
500-203366-12	B-5A	Water	08/03/21 07:45	08/05/21 09:45
500-203366-13	B-9	Water	08/03/21 08:55	08/05/21 09:45
500-203366-14	B-12	Water	08/03/21 10:00	08/05/21 09:45
500-203366-15	MW-2	Water	08/03/21 11:25	08/05/21 09:45
500-203366-16	MW-1	Water	08/03/21 12:15	08/05/21 09:45
500-203366-17	PZ-8	Water	08/03/21 13:35	08/05/21 09:45
500-203366-18	OMPZ-3	Water	08/03/21 15:00	08/05/21 09:45
500-203366-19	OMPZ-3 DUP	Water	08/03/21 15:00	08/05/21 09:45
500-203366-20	PZ-9	Water	08/03/21 16:00	08/05/21 09:45
500-203366-21	MW-9	Water	08/03/21 16:50	08/05/21 09:45
500-203366-22	EB-02	Water	08/03/21 17:15	08/05/21 09:45
500-203366-23	FB-02	Water	08/03/21 17:20	08/05/21 09:45
500-203366-24	FB-01	Water	08/03/21 17:00	08/05/21 09:45
500-203366-25	TRIP BLANK	Water	08/03/21 00:00	08/05/21 09:45

Client: Ramboll US Corporation
Project/Site: Former Mirro 20 - Chilton 1690019558

Job ID: 500-203366-1

Client Sample ID: B-5

Date Collected: 08/03/21 07:45
Date Received: 08/05/21 09:45

Lab Sample ID: 500-203366-1

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			08/13/21 13:48	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/13/21 13:48	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/13/21 13:48	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/13/21 13:48	1
Bromoform	<0.48		1.0	0.48	ug/L			08/13/21 13:48	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/13/21 13:48	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			08/13/21 13:48	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/13/21 13:48	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/13/21 13:48	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/13/21 13:48	1
Chloroform	<0.37		2.0	0.37	ug/L			08/13/21 13:48	1
Chloromethane	<0.32		1.0	0.32	ug/L			08/13/21 13:48	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/13/21 13:48	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/13/21 13:48	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			08/13/21 13:48	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/13/21 13:48	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/13/21 13:48	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/13/21 13:48	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/13/21 13:48	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/13/21 13:48	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/13/21 13:48	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/13/21 13:48	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/13/21 13:48	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/13/21 13:48	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/13/21 13:48	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/13/21 13:48	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/13/21 13:48	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/13/21 13:48	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/13/21 13:48	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/13/21 13:48	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/13/21 13:48	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/13/21 13:48	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/13/21 13:48	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			08/13/21 13:48	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/13/21 13:48	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/13/21 13:48	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/13/21 13:48	1
Naphthalene	<0.34		1.0	0.34	ug/L			08/13/21 13:48	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/13/21 13:48	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			08/13/21 13:48	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			08/13/21 13:48	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			08/13/21 13:48	1
Styrene	<0.39		1.0	0.39	ug/L			08/13/21 13:48	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			08/13/21 13:48	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/13/21 13:48	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/13/21 13:48	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			08/13/21 13:48	1
Toluene	**0.18**	**J**	0.50	0.15	ug/L			08/13/21 13:48	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			08/13/21 13:48	1

Client Sample ID: B-5
Lab Sample ID: 500-203366-1
Date Collected: 08/03/21 07:45
Matrix: Water
Date Received: 08/05/21 09:45

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/13/21 13:48	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/13/21 13:48	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/13/21 13:48	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/13/21 13:48	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/13/21 13:48	1
Trichloroethene	<0.16		0.50	0.16	ug/L			08/13/21 13:48	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/13/21 13:48	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/13/21 13:48	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			08/13/21 13:48	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			08/13/21 13:48	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/13/21 13:48	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			08/13/21 13:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*72 - 124*		*08/13/21 13:48*	*1*
Dibromofluoromethane (Surr)	*93*		*75 - 120*		*08/13/21 13:48*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 126*		*08/13/21 13:48*	*1*
Toluene-d8 (Surr)	*98*		*75 - 120*		*08/13/21 13:48*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.2		4.6	2.2	ng/L		08/09/21 05:29	08/13/21 18:06	1
Perfluoropentanoic acid (PFPeA)	<0.45		1.8	0.45	ng/L		08/09/21 05:29	08/13/21 18:06	1
Perfluorohexanoic acid (PFHxA)	<0.53		1.8	0.53	ng/L		08/09/21 05:29	08/13/21 18:06	1
Perfluoroheptanoic acid (PFHpA)	<0.23		1.8	0.23	ng/L		08/09/21 05:29	08/13/21 18:06	1
Perfluorooctanoic acid (PFOA)	<0.78		1.8	0.78	ng/L		08/09/21 05:29	08/13/21 18:06	1
Perfluorononanoic acid (PFNA)	<0.25		1.8	0.25	ng/L		08/09/21 05:29	08/13/21 18:06	1
Perfluorodecanoic acid (PFDA)	<0.28		1.8	0.28	ng/L		08/09/21 05:29	08/13/21 18:06	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.8	1.0	ng/L		08/09/21 05:29	08/13/21 18:06	1
Perfluorododecanoic acid (PFDoA)	<0.50		1.8	0.50	ng/L		08/09/21 05:29	08/13/21 18:06	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.8	1.2	ng/L		08/09/21 05:29	08/13/21 18:06	1
Perfluorotetradecanoic acid (PFTeA)	<0.67		1.8	0.67	ng/L		08/09/21 05:29	08/13/21 18:06	1
Perfluorobutanesulfonic acid (PFBS)	**0.92**	**J**	1.8	0.18	ng/L		08/09/21 05:29	08/13/21 18:06	1
Perfluoropentanesulfonic acid (PFPeS)	<0.27		1.8	0.27	ng/L		08/09/21 05:29	08/13/21 18:06	1
Perfluorohexanesulfonic acid (PFHxS)	**1.1**	**J**	1.8	0.52	ng/L		08/09/21 05:29	08/13/21 18:06	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.17		1.8	0.17	ng/L		08/09/21 05:29	08/13/21 18:06	1
Perfluorooctanesulfonic acid (PFOS)	<0.49		1.8	0.49	ng/L		08/09/21 05:29	08/13/21 18:06	1
Perfluorononanesulfonic acid (PFNS)	<0.34		1.8	0.34	ng/L		08/09/21 05:29	08/13/21 18:06	1
Perfluorodecanesulfonic acid (PFDS)	<0.29		1.8	0.29	ng/L		08/09/21 05:29	08/13/21 18:06	1
Perfluorododecanesulfonic acid (PFDoS)	<0.89		1.8	0.89	ng/L		08/09/21 05:29	08/13/21 18:06	1
Perfluorooctanesulfonamide (FOSA)	<0.90		1.8	0.90	ng/L		08/09/21 05:29	08/13/21 18:06	1
NEtFOSA	<0.80		1.8	0.80	ng/L		08/09/21 05:29	08/13/21 18:06	1
NMeFOSA	<0.39		1.8	0.39	ng/L		08/09/21 05:29	08/13/21 18:06	1
NMeFOSAA	<1.1		4.6	1.1	ng/L		08/09/21 05:29	08/13/21 18:06	1
NEtFOSAA	<1.2		4.6	1.2	ng/L		08/09/21 05:29	08/13/21 18:06	1
NMeFOSE	<1.3		3.7	1.3	ng/L		08/09/21 05:29	08/13/21 18:06	1

Client Sample ID: B-5
Date Collected: 08/03/21 07:45
Date Received: 08/05/21 09:45

Lab Sample ID: 500-203366-1
Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
NEtFOSE	<0.78		1.8	0.78	ng/L		08/09/21 05:29	08/13/21 18:06	1
4:2 FTS	<0.22		1.8	0.22	ng/L		08/09/21 05:29	08/13/21 18:06	1
6:2 FTS	<2.3		4.6	2.3	ng/L		08/09/21 05:29	08/13/21 18:06	1
8:2 FTS	<0.42		1.8	0.42	ng/L		08/09/21 05:29	08/13/21 18:06	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.37		1.8	0.37	ng/L		08/09/21 05:29	08/13/21 18:06	1
HFPO-DA (GenX)	<1.4		3.7	1.4	ng/L		08/09/21 05:29	08/13/21 18:06	1
9Cl-PF3ONS	<0.22		1.8	0.22	ng/L		08/09/21 05:29	08/13/21 18:06	1
11Cl-PF3OUdS	<0.29		1.8	0.29	ng/L		08/09/21 05:29	08/13/21 18:06	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*84*		*25 - 150*	*08/09/21 05:29*	*08/13/21 18:06*	*1*
13C5 PFPeA	*95*		*25 - 150*	*08/09/21 05:29*	*08/13/21 18:06*	*1*
13C2 PFHxA	*90*		*25 - 150*	*08/09/21 05:29*	*08/13/21 18:06*	*1*
13C4 PFHpA	*102*		*25 - 150*	*08/09/21 05:29*	*08/13/21 18:06*	*1*
13C4 PFOA	*92*		*25 - 150*	*08/09/21 05:29*	*08/13/21 18:06*	*1*
13C5 PFNA	*97*		*25 - 150*	*08/09/21 05:29*	*08/13/21 18:06*	*1*
13C2 PFDA	*107*		*25 - 150*	*08/09/21 05:29*	*08/13/21 18:06*	*1*
13C2 PFUnA	*91*		*25 - 150*	*08/09/21 05:29*	*08/13/21 18:06*	*1*
13C2 PFDoA	*85*		*25 - 150*	*08/09/21 05:29*	*08/13/21 18:06*	*1*
13C2 PFTeDA	*99*		*25 - 150*	*08/09/21 05:29*	*08/13/21 18:06*	*1*
13C3 PFBS	*105*		*25 - 150*	*08/09/21 05:29*	*08/13/21 18:06*	*1*
18O2 PFHxS	*94*		*25 - 150*	*08/09/21 05:29*	*08/13/21 18:06*	*1*
13C4 PFOS	*88*		*25 - 150*	*08/09/21 05:29*	*08/13/21 18:06*	*1*
13C8 FOSA	*96*		*10 - 150*	*08/09/21 05:29*	*08/13/21 18:06*	*1*
d3-NMeFOSAA	*87*		*25 - 150*	*08/09/21 05:29*	*08/13/21 18:06*	*1*
d5-NEtFOSAA	*89*		*25 - 150*	*08/09/21 05:29*	*08/13/21 18:06*	*1*
d-N-MeFOSA-M	*82*		*10 - 150*	*08/09/21 05:29*	*08/13/21 18:06*	*1*
d-N-EtFOSA-M	*75*		*10 - 150*	*08/09/21 05:29*	*08/13/21 18:06*	*1*
d7-N-MeFOSE-M	*77*		*10 - 150*	*08/09/21 05:29*	*08/13/21 18:06*	*1*
d9-N-EtFOSE-M	*80*		*10 - 150*	*08/09/21 05:29*	*08/13/21 18:06*	*1*
M2-4:2 FTS	*96*		*25 - 150*	*08/09/21 05:29*	*08/13/21 18:06*	*1*
M2-6:2 FTS	*103*		*25 - 150*	*08/09/21 05:29*	*08/13/21 18:06*	*1*
M2-8:2 FTS	*99*		*25 - 150*	*08/09/21 05:29*	*08/13/21 18:06*	*1*
13C3 HFPO-DA	*97*		*25 - 150*	*08/09/21 05:29*	*08/13/21 18:06*	*1*
13C2 10:2 FTS	*98*		*25 - 150*	*08/09/21 05:29*	*08/13/21 18:06*	*1*

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.71**	**J B**	1.0	0.23	ug/L		08/09/21 08:40	08/09/21 21:17	1
Barium	**75**		2.5	0.73	ug/L		08/09/21 08:40	08/09/21 21:17	1
Cadmium	<0.17		0.50	0.17	ug/L		08/09/21 08:40	08/09/21 21:17	1
Chromium	<1.1		5.0	1.1	ug/L		08/09/21 08:40	08/09/21 21:17	1
Lead	<0.19		0.50	0.19	ug/L		08/09/21 08:40	08/09/21 21:17	1
Selenium	**1.6**	**J B ^+**	2.5	0.98	ug/L		08/09/21 08:40	08/10/21 19:40	1
Silver	<0.12		0.50	0.12	ug/L		08/09/21 08:40	08/09/21 21:17	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.098		0.20	0.098	ug/L		08/13/21 10:05	08/16/21 08:09	1

Client: Ramboll US Corporation
Project/Site: Former Mirro 20 - Chilton 1690019558

Job ID: 500-203366-1

Client Sample ID: B-6
Date Collected: 08/03/21 08:45
Date Received: 08/05/21 09:45

Lab Sample ID: 500-203366-2
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			08/13/21 14:13	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/13/21 14:13	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/13/21 14:13	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/13/21 14:13	1
Bromoform	<0.48		1.0	0.48	ug/L			08/13/21 14:13	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/13/21 14:13	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			08/13/21 14:13	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/13/21 14:13	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/13/21 14:13	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/13/21 14:13	1
Chloroform	<0.37		2.0	0.37	ug/L			08/13/21 14:13	1
Chloromethane	<0.32		1.0	0.32	ug/L			08/13/21 14:13	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/13/21 14:13	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/13/21 14:13	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			08/13/21 14:13	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/13/21 14:13	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/13/21 14:13	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/13/21 14:13	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/13/21 14:13	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/13/21 14:13	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/13/21 14:13	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/13/21 14:13	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/13/21 14:13	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/13/21 14:13	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/13/21 14:13	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/13/21 14:13	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/13/21 14:13	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/13/21 14:13	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/13/21 14:13	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/13/21 14:13	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/13/21 14:13	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/13/21 14:13	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/13/21 14:13	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			08/13/21 14:13	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/13/21 14:13	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/13/21 14:13	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/13/21 14:13	1
Naphthalene	<0.34		1.0	0.34	ug/L			08/13/21 14:13	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/13/21 14:13	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			08/13/21 14:13	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			08/13/21 14:13	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			08/13/21 14:13	1
Styrene	<0.39		1.0	0.39	ug/L			08/13/21 14:13	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			08/13/21 14:13	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/13/21 14:13	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/13/21 14:13	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			08/13/21 14:13	1
Toluene	**0.16**	**J**	0.50	0.15	ug/L			08/13/21 14:13	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			08/13/21 14:13	1

Client Sample ID: B-6
Date Collected: 08/03/21 08:45
Date Received: 08/05/21 09:45

Lab Sample ID: 500-203366-2
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/13/21 14:13	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/13/21 14:13	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/13/21 14:13	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/13/21 14:13	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/13/21 14:13	1
Trichloroethene	<0.16		0.50	0.16	ug/L			08/13/21 14:13	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/13/21 14:13	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/13/21 14:13	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			08/13/21 14:13	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			08/13/21 14:13	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/13/21 14:13	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			08/13/21 14:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*72 - 124*		*08/13/21 14:13*	*1*
Dibromofluoromethane (Surr)	*92*		*75 - 120*		*08/13/21 14:13*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 126*		*08/13/21 14:13*	*1*
Toluene-d8 (Surr)	*97*		*75 - 120*		*08/13/21 14:13*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**6.4**		4.6	2.2	ng/L		08/09/21 05:29	08/13/21 18:15	1
Perfluoropentanoic acid (PFPeA)	**1.0**	**J**	1.8	0.45	ng/L		08/09/21 05:29	08/13/21 18:15	1
Perfluorohexanoic acid (PFHxA)	**1.1**	**J**	1.8	0.53	ng/L		08/09/21 05:29	08/13/21 18:15	1
Perfluoroheptanoic acid (PFHpA)	**0.47**	**J**	1.8	0.23	ng/L		08/09/21 05:29	08/13/21 18:15	1
Perfluorooctanoic acid (PFOA)	**1.3**	**J**	1.8	0.78	ng/L		08/09/21 05:29	08/13/21 18:15	1
Perfluorononanoic acid (PFNA)	<0.25		1.8	0.25	ng/L		08/09/21 05:29	08/13/21 18:15	1
Perfluorodecanoic acid (PFDA)	**0.38**	**J**	1.8	0.28	ng/L		08/09/21 05:29	08/13/21 18:15	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.8	1.0	ng/L		08/09/21 05:29	08/13/21 18:15	1
Perfluorododecanoic acid (PFDoA)	<0.50		1.8	0.50	ng/L		08/09/21 05:29	08/13/21 18:15	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.8	1.2	ng/L		08/09/21 05:29	08/13/21 18:15	1
Perfluorotetradecanoic acid (PFTeA)	<0.67		1.8	0.67	ng/L		08/09/21 05:29	08/13/21 18:15	1
Perfluorobutanesulfonic acid (PFBS)	**1.2**	**J**	1.8	0.18	ng/L		08/09/21 05:29	08/13/21 18:15	1
Perfluoropentanesulfonic acid (PFPeS)	<0.27		1.8	0.27	ng/L		08/09/21 05:29	08/13/21 18:15	1
Perfluorohexanesulfonic acid (PFHxS)	**1.7**	**J**	1.8	0.52	ng/L		08/09/21 05:29	08/13/21 18:15	1
Perfluoroheptanesulfonic Acid (PFHpS)	**0.47**	**J**	1.8	0.17	ng/L		08/09/21 05:29	08/13/21 18:15	1
Perfluorooctanesulfonic acid (PFOS)	**16**		1.8	0.49	ng/L		08/09/21 05:29	08/13/21 18:15	1
Perfluorononanesulfonic acid (PFNS)	<0.34		1.8	0.34	ng/L		08/09/21 05:29	08/13/21 18:15	1
Perfluorodecanesulfonic acid (PFDS)	<0.29		1.8	0.29	ng/L		08/09/21 05:29	08/13/21 18:15	1
Perfluorododecanesulfonic acid (PFDoS)	<0.89		1.8	0.89	ng/L		08/09/21 05:29	08/13/21 18:15	1
Perfluorooctanesulfonamide (FOSA)	<0.90		1.8	0.90	ng/L		08/09/21 05:29	08/13/21 18:15	1
NEtFOSA	<0.80		1.8	0.80	ng/L		08/09/21 05:29	08/13/21 18:15	1
NMeFOSA	<0.39		1.8	0.39	ng/L		08/09/21 05:29	08/13/21 18:15	1
NMeFOSAA	<1.1		4.6	1.1	ng/L		08/09/21 05:29	08/13/21 18:15	1
NEtFOSAA	<1.2		4.6	1.2	ng/L		08/09/21 05:29	08/13/21 18:15	1

Client: Ramboll US Corporation
Job ID: 500-203366-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: B-6
Lab Sample ID: 500-203366-2
Date Collected: 08/03/21 08:45
Matrix: Water
Date Received: 08/05/21 09:45

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
NMeFOSE	<1.3		3.7	1.3	ng/L		08/09/21 05:29	08/13/21 18:15	1
NEtFOSE	<0.78		1.8	0.78	ng/L		08/09/21 05:29	08/13/21 18:15	1
4:2 FTS	<0.22		1.8	0.22	ng/L		08/09/21 05:29	08/13/21 18:15	1
6:2 FTS	<2.3		4.6	2.3	ng/L		08/09/21 05:29	08/13/21 18:15	1
8:2 FTS	<0.42		1.8	0.42	ng/L		08/09/21 05:29	08/13/21 18:15	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.37		1.8	0.37	ng/L		08/09/21 05:29	08/13/21 18:15	1
HFPO-DA (GenX)	<1.4		3.7	1.4	ng/L		08/09/21 05:29	08/13/21 18:15	1
9Cl-PF3ONS	<0.22		1.8	0.22	ng/L		08/09/21 05:29	08/13/21 18:15	1
11Cl-PF3OUdS	<0.29		1.8	0.29	ng/L		08/09/21 05:29	08/13/21 18:15	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*75*		*25 - 150*	*08/09/21 05:29*	*08/13/21 18:15*	*1*
13C5 PFPeA	*87*		*25 - 150*	*08/09/21 05:29*	*08/13/21 18:15*	*1*
13C2 PFHxA	*89*		*25 - 150*	*08/09/21 05:29*	*08/13/21 18:15*	*1*
13C4 PFHpA	*93*		*25 - 150*	*08/09/21 05:29*	*08/13/21 18:15*	*1*
13C4 PFOA	*94*		*25 - 150*	*08/09/21 05:29*	*08/13/21 18:15*	*1*
13C5 PFNA	*95*		*25 - 150*	*08/09/21 05:29*	*08/13/21 18:15*	*1*
13C2 PFDA	*96*		*25 - 150*	*08/09/21 05:29*	*08/13/21 18:15*	*1*
13C2 PFUnA	*82*		*25 - 150*	*08/09/21 05:29*	*08/13/21 18:15*	*1*
13C2 PFDoA	*76*		*25 - 150*	*08/09/21 05:29*	*08/13/21 18:15*	*1*
13C2 PFTeDA	*75*		*25 - 150*	*08/09/21 05:29*	*08/13/21 18:15*	*1*
13C3 PFBS	*102*		*25 - 150*	*08/09/21 05:29*	*08/13/21 18:15*	*1*
18O2 PFHxS	*91*		*25 - 150*	*08/09/21 05:29*	*08/13/21 18:15*	*1*
13C4 PFOS	*85*		*25 - 150*	*08/09/21 05:29*	*08/13/21 18:15*	*1*
13C8 FOSA	*91*		*10 - 150*	*08/09/21 05:29*	*08/13/21 18:15*	*1*
d3-NMeFOSAA	*78*		*25 - 150*	*08/09/21 05:29*	*08/13/21 18:15*	*1*
d5-NEtFOSAA	*88*		*25 - 150*	*08/09/21 05:29*	*08/13/21 18:15*	*1*
d-N-MeFOSA-M	*73*		*10 - 150*	*08/09/21 05:29*	*08/13/21 18:15*	*1*
d-N-EtFOSA-M	*66*		*10 - 150*	*08/09/21 05:29*	*08/13/21 18:15*	*1*
d7-N-MeFOSE-M	*67*		*10 - 150*	*08/09/21 05:29*	*08/13/21 18:15*	*1*
d9-N-EtFOSE-M	*71*		*10 - 150*	*08/09/21 05:29*	*08/13/21 18:15*	*1*
M2-4:2 FTS	*114*		*25 - 150*	*08/09/21 05:29*	*08/13/21 18:15*	*1*
M2-6:2 FTS	*142*		*25 - 150*	*08/09/21 05:29*	*08/13/21 18:15*	*1*
M2-8:2 FTS	*121*		*25 - 150*	*08/09/21 05:29*	*08/13/21 18:15*	*1*
13C3 HFPO-DA	*92*		*25 - 150*	*08/09/21 05:29*	*08/13/21 18:15*	*1*
13C2 10:2 FTS	*97*		*25 - 150*	*08/09/21 05:29*	*08/13/21 18:15*	*1*

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.93**	**J B**	1.0	0.23	ug/L		08/09/21 08:40	08/09/21 21:21	1
Barium	**35**		2.5	0.73	ug/L		08/09/21 08:40	08/09/21 21:21	1
Cadmium	<0.17		0.50	0.17	ug/L		08/09/21 08:40	08/09/21 21:21	1
Chromium	<1.1		5.0	1.1	ug/L		08/09/21 08:40	08/09/21 21:21	1
Lead	<0.19		0.50	0.19	ug/L		08/09/21 08:40	08/09/21 21:21	1
Selenium	**1.6**	**J B ^+**	2.5	0.98	ug/L		08/09/21 08:40	08/10/21 19:43	1
Silver	<0.12		0.50	0.12	ug/L		08/09/21 08:40	08/09/21 21:21	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.098		0.20	0.098	ug/L		08/13/21 10:05	08/16/21 08:11	1

Client: Ramboll US Corporation
Project/Site: Former Mirro 20 - Chilton 1690019558

Job ID: 500-203366-1

Client Sample ID: B-11
Date Collected: 08/03/21 09:35
Date Received: 08/05/21 09:45

Lab Sample ID: 500-203366-3
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			08/13/21 14:38	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/13/21 14:38	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/13/21 14:38	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/13/21 14:38	1
Bromoform	<0.48		1.0	0.48	ug/L			08/13/21 14:38	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/13/21 14:38	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			08/13/21 14:38	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/13/21 14:38	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/13/21 14:38	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/13/21 14:38	1
Chloroform	<0.37		2.0	0.37	ug/L			08/13/21 14:38	1
Chloromethane	<0.32		1.0	0.32	ug/L			08/13/21 14:38	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/13/21 14:38	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/13/21 14:38	1
cis-1,2-Dichloroethene	**4.9**		1.0	0.41	ug/L			08/13/21 14:38	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/13/21 14:38	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/13/21 14:38	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/13/21 14:38	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/13/21 14:38	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/13/21 14:38	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/13/21 14:38	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/13/21 14:38	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/13/21 14:38	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/13/21 14:38	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/13/21 14:38	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/13/21 14:38	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/13/21 14:38	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/13/21 14:38	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/13/21 14:38	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/13/21 14:38	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/13/21 14:38	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/13/21 14:38	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/13/21 14:38	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			08/13/21 14:38	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/13/21 14:38	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/13/21 14:38	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/13/21 14:38	1
Naphthalene	<0.34		1.0	0.34	ug/L			08/13/21 14:38	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/13/21 14:38	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			08/13/21 14:38	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			08/13/21 14:38	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			08/13/21 14:38	1
Styrene	<0.39		1.0	0.39	ug/L			08/13/21 14:38	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			08/13/21 14:38	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/13/21 14:38	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/13/21 14:38	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			08/13/21 14:38	1
Toluene	**0.15**	**J**	0.50	0.15	ug/L			08/13/21 14:38	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			08/13/21 14:38	1

Client: Ramboll US Corporation
Job ID: 500-203366-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: B-11
Lab Sample ID: 500-203366-3
Date Collected: 08/03/21 09:35
Matrix: Water
Date Received: 08/05/21 09:45

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/13/21 14:38	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/13/21 14:38	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/13/21 14:38	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/13/21 14:38	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/13/21 14:38	1
Trichloroethene	**0.31**	**J**	0.50	0.16	ug/L			08/13/21 14:38	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/13/21 14:38	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/13/21 14:38	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			08/13/21 14:38	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			08/13/21 14:38	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/13/21 14:38	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			08/13/21 14:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*72 - 124*		*08/13/21 14:38*	*1*
Dibromofluoromethane (Surr)	*91*		*75 - 120*		*08/13/21 14:38*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 126*		*08/13/21 14:38*	*1*
Toluene-d8 (Surr)	*96*		*75 - 120*		*08/13/21 14:38*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.1		4.3	2.1	ng/L		08/09/21 05:29	08/13/21 18:24	1
Perfluoropentanoic acid (PFPeA)	<0.42		1.7	0.42	ng/L		08/09/21 05:29	08/13/21 18:24	1
Perfluorohexanoic acid (PFHxA)	<0.50		1.7	0.50	ng/L		08/09/21 05:29	08/13/21 18:24	1
Perfluoroheptanoic acid (PFHpA)	<0.22		1.7	0.22	ng/L		08/09/21 05:29	08/13/21 18:24	1
Perfluorooctanoic acid (PFOA)	<0.73		1.7	0.73	ng/L		08/09/21 05:29	08/13/21 18:24	1
Perfluorononanoic acid (PFNA)	<0.23		1.7	0.23	ng/L		08/09/21 05:29	08/13/21 18:24	1
Perfluorodecanoic acid (PFDA)	**0.29**	**J**	1.7	0.27	ng/L		08/09/21 05:29	08/13/21 18:24	1
Perfluoroundecanoic acid (PFUnA)	<0.95		1.7	0.95	ng/L		08/09/21 05:29	08/13/21 18:24	1
Perfluorododecanoic acid (PFDoA)	<0.47		1.7	0.47	ng/L		08/09/21 05:29	08/13/21 18:24	1
Perfluorotridecanoic acid (PFTrDA)	<1.1		1.7	1.1	ng/L		08/09/21 05:29	08/13/21 18:24	1
Perfluorotetradecanoic acid (PFTeA)	<0.63		1.7	0.63	ng/L		08/09/21 05:29	08/13/21 18:24	1
Perfluorobutanesulfonic acid (PFBS)	**1.1**	**J**	1.7	0.17	ng/L		08/09/21 05:29	08/13/21 18:24	1
Perfluoropentanesulfonic acid (PFPeS)	<0.26		1.7	0.26	ng/L		08/09/21 05:29	08/13/21 18:24	1
Perfluorohexanesulfonic acid (PFHxS)	**1.2**	**J**	1.7	0.49	ng/L		08/09/21 05:29	08/13/21 18:24	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.16		1.7	0.16	ng/L		08/09/21 05:29	08/13/21 18:24	1
Perfluorooctanesulfonic acid (PFOS)	**0.85**	**J**	1.7	0.47	ng/L		08/09/21 05:29	08/13/21 18:24	1
Perfluorononanesulfonic acid (PFNS)	<0.32		1.7	0.32	ng/L		08/09/21 05:29	08/13/21 18:24	1
Perfluorodecanesulfonic acid (PFDS)	<0.28		1.7	0.28	ng/L		08/09/21 05:29	08/13/21 18:24	1
Perfluorododecanesulfonic acid (PFDoS)	<0.84		1.7	0.84	ng/L		08/09/21 05:29	08/13/21 18:24	1
Perfluorooctanesulfonamide (FOSA)	<0.85		1.7	0.85	ng/L		08/09/21 05:29	08/13/21 18:24	1
NEtFOSA	<0.75		1.7	0.75	ng/L		08/09/21 05:29	08/13/21 18:24	1
NMeFOSA	<0.37		1.7	0.37	ng/L		08/09/21 05:29	08/13/21 18:24	1
NMeFOSAA	<1.0		4.3	1.0	ng/L		08/09/21 05:29	08/13/21 18:24	1
NEtFOSAA	<1.1		4.3	1.1	ng/L		08/09/21 05:29	08/13/21 18:24	1

Client: Ramboll US Corporation
Job ID: 500-203366-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: B-11
Lab Sample ID: 500-203366-3
Date Collected: 08/03/21 09:35
Matrix: Water
Date Received: 08/05/21 09:45

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
NMeFOSE	<1.2		3.5	1.2	ng/L		08/09/21 05:29	08/13/21 18:24	1
NEtFOSE	<0.73		1.7	0.73	ng/L		08/09/21 05:29	08/13/21 18:24	1
4:2 FTS	<0.21		1.7	0.21	ng/L		08/09/21 05:29	08/13/21 18:24	1
6:2 FTS	<2.2		4.3	2.2	ng/L		08/09/21 05:29	08/13/21 18:24	1
8:2 FTS	<0.40		1.7	0.40	ng/L		08/09/21 05:29	08/13/21 18:24	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.35		1.7	0.35	ng/L		08/09/21 05:29	08/13/21 18:24	1
HFPO-DA (GenX)	<1.3		3.5	1.3	ng/L		08/09/21 05:29	08/13/21 18:24	1
9Cl-PF3ONS	<0.21		1.7	0.21	ng/L		08/09/21 05:29	08/13/21 18:24	1
11Cl-PF3OUdS	<0.28		1.7	0.28	ng/L		08/09/21 05:29	08/13/21 18:24	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*80*		*25 - 150*	*08/09/21 05:29*	*08/13/21 18:24*	*1*
13C5 PFPeA	*92*		*25 - 150*	*08/09/21 05:29*	*08/13/21 18:24*	*1*
13C2 PFHxA	*90*		*25 - 150*	*08/09/21 05:29*	*08/13/21 18:24*	*1*
13C4 PFHpA	*99*		*25 - 150*	*08/09/21 05:29*	*08/13/21 18:24*	*1*
13C4 PFOA	*95*		*25 - 150*	*08/09/21 05:29*	*08/13/21 18:24*	*1*
13C5 PFNA	*95*		*25 - 150*	*08/09/21 05:29*	*08/13/21 18:24*	*1*
13C2 PFDA	*103*		*25 - 150*	*08/09/21 05:29*	*08/13/21 18:24*	*1*
13C2 PFUnA	*96*		*25 - 150*	*08/09/21 05:29*	*08/13/21 18:24*	*1*
13C2 PFDoA	*89*		*25 - 150*	*08/09/21 05:29*	*08/13/21 18:24*	*1*
13C2 PFTeDA	*100*		*25 - 150*	*08/09/21 05:29*	*08/13/21 18:24*	*1*
13C3 PFBS	*108*		*25 - 150*	*08/09/21 05:29*	*08/13/21 18:24*	*1*
18O2 PFHxS	*95*		*25 - 150*	*08/09/21 05:29*	*08/13/21 18:24*	*1*
13C4 PFOS	*92*		*25 - 150*	*08/09/21 05:29*	*08/13/21 18:24*	*1*
13C8 FOSA	*99*		*10 - 150*	*08/09/21 05:29*	*08/13/21 18:24*	*1*
d3-NMeFOSAA	*86*		*25 - 150*	*08/09/21 05:29*	*08/13/21 18:24*	*1*
d5-NEtFOSAA	*89*		*25 - 150*	*08/09/21 05:29*	*08/13/21 18:24*	*1*
d-N-MeFOSA-M	*84*		*10 - 150*	*08/09/21 05:29*	*08/13/21 18:24*	*1*
d-N-EtFOSA-M	*77*		*10 - 150*	*08/09/21 05:29*	*08/13/21 18:24*	*1*
d7-N-MeFOSE-M	*72*		*10 - 150*	*08/09/21 05:29*	*08/13/21 18:24*	*1*
d9-N-EtFOSE-M	*87*		*10 - 150*	*08/09/21 05:29*	*08/13/21 18:24*	*1*
M2-4:2 FTS	*98*		*25 - 150*	*08/09/21 05:29*	*08/13/21 18:24*	*1*
M2-6:2 FTS	*107*		*25 - 150*	*08/09/21 05:29*	*08/13/21 18:24*	*1*
M2-8:2 FTS	*104*		*25 - 150*	*08/09/21 05:29*	*08/13/21 18:24*	*1*
13C3 HFPO-DA	*95*		*25 - 150*	*08/09/21 05:29*	*08/13/21 18:24*	*1*
13C2 10:2 FTS	*103*		*25 - 150*	*08/09/21 05:29*	*08/13/21 18:24*	*1*

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**1.9**	**B**	1.0	0.23	ug/L		08/09/21 08:40	08/09/21 21:24	1
Barium	**140**		2.5	0.73	ug/L		08/09/21 08:40	08/09/21 21:24	1
Cadmium	<0.17		0.50	0.17	ug/L		08/09/21 08:40	08/09/21 21:24	1
Chromium	<1.1		5.0	1.1	ug/L		08/09/21 08:40	08/09/21 21:24	1
Lead	<0.19		0.50	0.19	ug/L		08/09/21 08:40	08/09/21 21:24	1
Selenium	**1.4**	**J B ^+**	2.5	0.98	ug/L		08/09/21 08:40	08/10/21 19:46	1
Silver	<0.12		0.50	0.12	ug/L		08/09/21 08:40	08/09/21 21:24	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.098		0.20	0.098	ug/L		08/13/21 10:05	08/16/21 08:13	1

Client: Ramboll US Corporation
Project/Site: Former Mirro 20 - Chilton 1690019558

Job ID: 500-203366-1

Client Sample ID: PZ-10

Date Collected: 08/03/21 11:50
Date Received: 08/05/21 09:45

Lab Sample ID: 500-203366-4

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.24**	**J**	0.50	0.15	ug/L			08/13/21 15:03	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/13/21 15:03	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/13/21 15:03	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/13/21 15:03	1
Bromoform	<0.48		1.0	0.48	ug/L			08/13/21 15:03	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/13/21 15:03	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			08/13/21 15:03	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/13/21 15:03	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/13/21 15:03	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/13/21 15:03	1
Chloroform	<0.37		2.0	0.37	ug/L			08/13/21 15:03	1
Chloromethane	<0.32		1.0	0.32	ug/L			08/13/21 15:03	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/13/21 15:03	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/13/21 15:03	1
cis-1,2-Dichloroethene	**21**		1.0	0.41	ug/L			08/13/21 15:03	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/13/21 15:03	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/13/21 15:03	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/13/21 15:03	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/13/21 15:03	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/13/21 15:03	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/13/21 15:03	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/13/21 15:03	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/13/21 15:03	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/13/21 15:03	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/13/21 15:03	1
1,2-Dichloroethane	**89**		1.0	0.39	ug/L			08/13/21 15:03	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/13/21 15:03	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/13/21 15:03	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/13/21 15:03	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/13/21 15:03	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/13/21 15:03	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/13/21 15:03	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/13/21 15:03	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			08/13/21 15:03	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/13/21 15:03	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/13/21 15:03	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/13/21 15:03	1
Naphthalene	<0.34		1.0	0.34	ug/L			08/13/21 15:03	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/13/21 15:03	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			08/13/21 15:03	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			08/13/21 15:03	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			08/13/21 15:03	1
Styrene	<0.39		1.0	0.39	ug/L			08/13/21 15:03	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			08/13/21 15:03	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/13/21 15:03	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/13/21 15:03	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			08/13/21 15:03	1
Toluene	**0.23**	**J**	0.50	0.15	ug/L			08/13/21 15:03	1
trans-1,2-Dichloroethene	**0.55**	**J**	1.0	0.35	ug/L			08/13/21 15:03	1

Client: Ramboll US Corporation
Project/Site: Former Mirro 20 - Chilton 1690019558

Job ID: 500-203366-1

Client Sample ID: PZ-10
Date Collected: 08/03/21 11:50
Date Received: 08/05/21 09:45

Lab Sample ID: 500-203366-4
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/13/21 15:03	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/13/21 15:03	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/13/21 15:03	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/13/21 15:03	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/13/21 15:03	1
Trichloroethene	**0.23**	**J**	0.50	0.16	ug/L			08/13/21 15:03	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/13/21 15:03	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/13/21 15:03	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			08/13/21 15:03	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			08/13/21 15:03	1
Vinyl chloride	**1.3**		1.0	0.20	ug/L			08/13/21 15:03	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			08/13/21 15:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*72 - 124*		*08/13/21 15:03*	*1*
Dibromofluoromethane (Surr)	*92*		*75 - 120*		*08/13/21 15:03*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 126*		*08/13/21 15:03*	*1*
Toluene-d8 (Surr)	*97*		*75 - 120*		*08/13/21 15:03*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.2		4.5	2.2	ng/L		08/06/21 20:10	08/09/21 16:16	1
Perfluoropentanoic acid (PFPeA)	**0.55**	**J**	1.8	0.44	ng/L		08/06/21 20:10	08/09/21 16:16	1
Perfluorohexanoic acid (PFHxA)	<0.53		1.8	0.53	ng/L		08/06/21 20:10	08/09/21 16:16	1
Perfluoroheptanoic acid (PFHpA)	<0.23		1.8	0.23	ng/L		08/06/21 20:10	08/09/21 16:16	1
Perfluorooctanoic acid (PFOA)	<0.77		1.8	0.77	ng/L		08/06/21 20:10	08/09/21 16:16	1
Perfluorononanoic acid (PFNA)	<0.25		1.8	0.25	ng/L		08/06/21 20:10	08/09/21 16:16	1
Perfluorodecanoic acid (PFDA)	<0.28		1.8	0.28	ng/L		08/06/21 20:10	08/09/21 16:16	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.8	1.0	ng/L		08/06/21 20:10	08/09/21 16:16	1
Perfluorododecanoic acid (PFDoA)	<0.50		1.8	0.50	ng/L		08/06/21 20:10	08/09/21 16:16	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.8	1.2	ng/L		08/06/21 20:10	08/09/21 16:16	1
Perfluorotetradecanoic acid (PFTeA)	<0.66		1.8	0.66	ng/L		08/06/21 20:10	08/09/21 16:16	1
Perfluorobutanesulfonic acid (PFBS)	<0.18		1.8	0.18	ng/L		08/06/21 20:10	08/09/21 16:16	1
Perfluoropentanesulfonic acid (PFPeS)	<0.27		1.8	0.27	ng/L		08/06/21 20:10	08/09/21 16:16	1
Perfluorohexanesulfonic acid (PFHxS)	<0.52		1.8	0.52	ng/L		08/06/21 20:10	08/09/21 16:16	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.17		1.8	0.17	ng/L		08/06/21 20:10	08/09/21 16:16	1
Perfluorooctanesulfonic acid (PFOS)	<0.49		1.8	0.49	ng/L		08/06/21 20:10	08/09/21 16:16	1
Perfluorononanesulfonic acid (PFNS)	<0.34		1.8	0.34	ng/L		08/06/21 20:10	08/09/21 16:16	1
Perfluorodecanesulfonic acid (PFDS)	<0.29		1.8	0.29	ng/L		08/06/21 20:10	08/09/21 16:16	1
Perfluorododecanesulfonic acid (PFDoS)	<0.88		1.8	0.88	ng/L		08/06/21 20:10	08/09/21 16:16	1
Perfluorooctanesulfonamide (FOSA)	<0.89		1.8	0.89	ng/L		08/06/21 20:10	08/09/21 16:16	1
NEtFOSA	<0.79		1.8	0.79	ng/L		08/06/21 20:10	08/09/21 16:16	1
NMeFOSA	<0.39		1.8	0.39	ng/L		08/06/21 20:10	08/09/21 16:16	1
NMeFOSAA	<1.1		4.5	1.1	ng/L		08/06/21 20:10	08/09/21 16:16	1
NEtFOSAA	<1.2		4.5	1.2	ng/L		08/06/21 20:10	08/09/21 16:16	1
NMeFOSE	<1.3		3.6	1.3	ng/L		08/06/21 20:10	08/09/21 16:16	1
NEtFOSE	<0.77		1.8	0.77	ng/L		08/06/21 20:10	08/09/21 16:16	1
4:2 FTS	<0.22		1.8	0.22	ng/L		08/06/21 20:10	08/09/21 16:16	1

Client Sample ID: PZ-10
Date Collected: 08/03/21 11:50
Date Received: 08/05/21 09:45

Lab Sample ID: 500-203366-4
Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
6:2 FTS	<2.3		4.5	2.3	ng/L		08/06/21 20:10	08/09/21 16:16	1
8:2 FTS	<0.42		1.8	0.42	ng/L		08/06/21 20:10	08/09/21 16:16	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.36		1.8	0.36	ng/L		08/06/21 20:10	08/09/21 16:16	1
HFPO-DA (GenX)	<1.4		3.6	1.4	ng/L		08/06/21 20:10	08/09/21 16:16	1
9Cl-PF3ONS	<0.22		1.8	0.22	ng/L		08/06/21 20:10	08/09/21 16:16	1
11Cl-PF3OUdS	<0.29		1.8	0.29	ng/L		08/06/21 20:10	08/09/21 16:16	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*76*		*25 - 150*	*08/06/21 20:10*	*08/09/21 16:16*	*1*
13C5 PFPeA	*85*		*25 - 150*	*08/06/21 20:10*	*08/09/21 16:16*	*1*
13C2 PFHxA	*88*		*25 - 150*	*08/06/21 20:10*	*08/09/21 16:16*	*1*
13C4 PFHpA	*90*		*25 - 150*	*08/06/21 20:10*	*08/09/21 16:16*	*1*
13C4 PFOA	*90*		*25 - 150*	*08/06/21 20:10*	*08/09/21 16:16*	*1*
13C5 PFNA	*87*		*25 - 150*	*08/06/21 20:10*	*08/09/21 16:16*	*1*
13C2 PFDA	*95*		*25 - 150*	*08/06/21 20:10*	*08/09/21 16:16*	*1*
13C2 PFUnA	*88*		*25 - 150*	*08/06/21 20:10*	*08/09/21 16:16*	*1*
13C2 PFDoA	*80*		*25 - 150*	*08/06/21 20:10*	*08/09/21 16:16*	*1*
13C2 PFTeDA	*99*		*25 - 150*	*08/06/21 20:10*	*08/09/21 16:16*	*1*
13C3 PFBS	*84*		*25 - 150*	*08/06/21 20:10*	*08/09/21 16:16*	*1*
18O2 PFHxS	*85*		*25 - 150*	*08/06/21 20:10*	*08/09/21 16:16*	*1*
13C4 PFOS	*80*		*25 - 150*	*08/06/21 20:10*	*08/09/21 16:16*	*1*
13C8 FOSA	*86*		*10 - 150*	*08/06/21 20:10*	*08/09/21 16:16*	*1*
d3-NMeFOSAA	*76*		*25 - 150*	*08/06/21 20:10*	*08/09/21 16:16*	*1*
d5-NEtFOSAA	*84*		*25 - 150*	*08/06/21 20:10*	*08/09/21 16:16*	*1*
d-N-MeFOSA-M	*75*		*10 - 150*	*08/06/21 20:10*	*08/09/21 16:16*	*1*
d-N-EtFOSA-M	*71*		*10 - 150*	*08/06/21 20:10*	*08/09/21 16:16*	*1*
d7-N-MeFOSE-M	*76*		*10 - 150*	*08/06/21 20:10*	*08/09/21 16:16*	*1*
d9-N-EtFOSE-M	*76*		*10 - 150*	*08/06/21 20:10*	*08/09/21 16:16*	*1*
M2-4:2 FTS	*104*		*25 - 150*	*08/06/21 20:10*	*08/09/21 16:16*	*1*
M2-6:2 FTS	*117*		*25 - 150*	*08/06/21 20:10*	*08/09/21 16:16*	*1*
M2-8:2 FTS	*105*		*25 - 150*	*08/06/21 20:10*	*08/09/21 16:16*	*1*
13C3 HFPO-DA	*90*		*25 - 150*	*08/06/21 20:10*	*08/09/21 16:16*	*1*
13C2 10:2 FTS	*94*		*25 - 150*	*08/06/21 20:10*	*08/09/21 16:16*	*1*

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.44**	**J B**	1.0	0.23	ug/L		08/09/21 08:40	08/09/21 21:27	1
Barium	**32**		2.5	0.73	ug/L		08/09/21 08:40	08/09/21 21:27	1
Cadmium	<0.17		0.50	0.17	ug/L		08/09/21 08:40	08/09/21 21:27	1
Chromium	<1.1		5.0	1.1	ug/L		08/09/21 08:40	08/09/21 21:27	1
Lead	<0.19		0.50	0.19	ug/L		08/09/21 08:40	08/09/21 21:27	1
Selenium	**2.0**	**J B ^+**	2.5	0.98	ug/L		08/09/21 08:40	08/10/21 19:49	1
Silver	<0.12		0.50	0.12	ug/L		08/09/21 08:40	08/09/21 21:27	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.098		0.20	0.098	ug/L		08/13/21 10:05	08/16/21 08:15	1

Client: Ramboll US Corporation
Project/Site: Former Mirro 20 - Chilton 1690019558

Job ID: 500-203366-1

Client Sample ID: MW-10

Date Collected: 08/03/21 12:35
Date Received: 08/05/21 09:45

Lab Sample ID: 500-203366-5

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			08/13/21 15:27	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/13/21 15:27	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/13/21 15:27	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/13/21 15:27	1
Bromoform	<0.48		1.0	0.48	ug/L			08/13/21 15:27	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/13/21 15:27	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			08/13/21 15:27	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/13/21 15:27	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/13/21 15:27	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/13/21 15:27	1
Chloroform	<0.37		2.0	0.37	ug/L			08/13/21 15:27	1
Chloromethane	<0.32		1.0	0.32	ug/L			08/13/21 15:27	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/13/21 15:27	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/13/21 15:27	1
cis-1,2-Dichloroethene	**5.5**		1.0	0.41	ug/L			08/13/21 15:27	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/13/21 15:27	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/13/21 15:27	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/13/21 15:27	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/13/21 15:27	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/13/21 15:27	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/13/21 15:27	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/13/21 15:27	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/13/21 15:27	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/13/21 15:27	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/13/21 15:27	1
1,2-Dichloroethane	**27**		1.0	0.39	ug/L			08/13/21 15:27	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/13/21 15:27	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/13/21 15:27	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/13/21 15:27	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/13/21 15:27	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/13/21 15:27	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/13/21 15:27	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/13/21 15:27	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			08/13/21 15:27	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/13/21 15:27	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/13/21 15:27	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/13/21 15:27	1
Naphthalene	<0.34		1.0	0.34	ug/L			08/13/21 15:27	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/13/21 15:27	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			08/13/21 15:27	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			08/13/21 15:27	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			08/13/21 15:27	1
Styrene	<0.39		1.0	0.39	ug/L			08/13/21 15:27	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			08/13/21 15:27	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/13/21 15:27	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/13/21 15:27	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			08/13/21 15:27	1
Toluene	**0.16**	**J**	0.50	0.15	ug/L			08/13/21 15:27	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			08/13/21 15:27	1

Client Sample ID: MW-10
Lab Sample ID: 500-203366-5
Date Collected: 08/03/21 12:35
Matrix: Water
Date Received: 08/05/21 09:45

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/13/21 15:27	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/13/21 15:27	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/13/21 15:27	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/13/21 15:27	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/13/21 15:27	1
Trichloroethene	<0.16		0.50	0.16	ug/L			08/13/21 15:27	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/13/21 15:27	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/13/21 15:27	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			08/13/21 15:27	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			08/13/21 15:27	1
Vinyl chloride	**0.74**	**J**	1.0	0.20	ug/L			08/13/21 15:27	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			08/13/21 15:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*72 - 124*		*08/13/21 15:27*	*1*
Dibromofluoromethane (Surr)	*91*		*75 - 120*		*08/13/21 15:27*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 126*		*08/13/21 15:27*	*1*
Toluene-d8 (Surr)	*96*		*75 - 120*		*08/13/21 15:27*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.2		4.6	2.2	ng/L		08/06/21 20:10	08/09/21 16:25	1
Perfluoropentanoic acid (PFPeA)	<0.45		1.9	0.45	ng/L		08/06/21 20:10	08/09/21 16:25	1
Perfluorohexanoic acid (PFHxA)	<0.54		1.9	0.54	ng/L		08/06/21 20:10	08/09/21 16:25	1
Perfluoroheptanoic acid (PFHpA)	<0.23		1.9	0.23	ng/L		08/06/21 20:10	08/09/21 16:25	1
Perfluorooctanoic acid (PFOA)	<0.79		1.9	0.79	ng/L		08/06/21 20:10	08/09/21 16:25	1
Perfluorononanoic acid (PFNA)	<0.25		1.9	0.25	ng/L		08/06/21 20:10	08/09/21 16:25	1
Perfluorodecanoic acid (PFDA)	<0.29		1.9	0.29	ng/L		08/06/21 20:10	08/09/21 16:25	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		08/06/21 20:10	08/09/21 16:25	1
Perfluorododecanoic acid (PFDoA)	<0.51		1.9	0.51	ng/L		08/06/21 20:10	08/09/21 16:25	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.9	1.2	ng/L		08/06/21 20:10	08/09/21 16:25	1
Perfluorotetradecanoic acid (PFTeA)	<0.68		1.9	0.68	ng/L		08/06/21 20:10	08/09/21 16:25	1
Perfluorobutanesulfonic acid (PFBS)	<0.19		1.9	0.19	ng/L		08/06/21 20:10	08/09/21 16:25	1
Perfluoropentanesulfonic acid (PFPeS)	<0.28		1.9	0.28	ng/L		08/06/21 20:10	08/09/21 16:25	1
Perfluorohexanesulfonic acid (PFHxS)	<0.53		1.9	0.53	ng/L		08/06/21 20:10	08/09/21 16:25	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.18		1.9	0.18	ng/L		08/06/21 20:10	08/09/21 16:25	1
Perfluorooctanesulfonic acid (PFOS)	**0.65**	**J**	1.9	0.50	ng/L		08/06/21 20:10	08/09/21 16:25	1
Perfluorononanesulfonic acid (PFNS)	<0.34		1.9	0.34	ng/L		08/06/21 20:10	08/09/21 16:25	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		08/06/21 20:10	08/09/21 16:25	1
Perfluorododecanesulfonic acid (PFDoS)	<0.90		1.9	0.90	ng/L		08/06/21 20:10	08/09/21 16:25	1
Perfluorooctanesulfonamide (FOSA)	<0.91		1.9	0.91	ng/L		08/06/21 20:10	08/09/21 16:25	1
NEtFOSA	<0.80		1.9	0.80	ng/L		08/06/21 20:10	08/09/21 16:25	1
NMeFOSA	<0.40		1.9	0.40	ng/L		08/06/21 20:10	08/09/21 16:25	1
NMeFOSAA	<1.1		4.6	1.1	ng/L		08/06/21 20:10	08/09/21 16:25	1
NEtFOSAA	<1.2		4.6	1.2	ng/L		08/06/21 20:10	08/09/21 16:25	1
NMeFOSE	<1.3		3.7	1.3	ng/L		08/06/21 20:10	08/09/21 16:25	1
NEtFOSE	<0.79		1.9	0.79	ng/L		08/06/21 20:10	08/09/21 16:25	1

Client Sample ID: MW-10
Date Collected: 08/03/21 12:35
Date Received: 08/05/21 09:45

Lab Sample ID: 500-203366-5
Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4:2 FTS	<0.22		1.9	0.22	ng/L		08/06/21 20:10	08/09/21 16:25	1
6:2 FTS	<2.3		4.6	2.3	ng/L		08/06/21 20:10	08/09/21 16:25	1
8:2 FTS	<0.43		1.9	0.43	ng/L		08/06/21 20:10	08/09/21 16:25	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.37		1.9	0.37	ng/L		08/06/21 20:10	08/09/21 16:25	1
HFPO-DA (GenX)	<1.4		3.7	1.4	ng/L		08/06/21 20:10	08/09/21 16:25	1
9Cl-PF3ONS	<0.22		1.9	0.22	ng/L		08/06/21 20:10	08/09/21 16:25	1
11Cl-PF3OUdS	<0.30		1.9	0.30	ng/L		08/06/21 20:10	08/09/21 16:25	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*77*		*25 - 150*	*08/06/21 20:10*	*08/09/21 16:25*	*1*
13C5 PFPeA	*95*		*25 - 150*	*08/06/21 20:10*	*08/09/21 16:25*	*1*
13C2 PFHxA	*98*		*25 - 150*	*08/06/21 20:10*	*08/09/21 16:25*	*1*
13C4 PFHpA	*102*		*25 - 150*	*08/06/21 20:10*	*08/09/21 16:25*	*1*
13C4 PFOA	*104*		*25 - 150*	*08/06/21 20:10*	*08/09/21 16:25*	*1*
13C5 PFNA	*96*		*25 - 150*	*08/06/21 20:10*	*08/09/21 16:25*	*1*
13C2 PFDA	*105*		*25 - 150*	*08/06/21 20:10*	*08/09/21 16:25*	*1*
13C2 PFUnA	*97*		*25 - 150*	*08/06/21 20:10*	*08/09/21 16:25*	*1*
13C2 PFDoA	*96*		*25 - 150*	*08/06/21 20:10*	*08/09/21 16:25*	*1*
13C2 PFTeDA	*90*		*25 - 150*	*08/06/21 20:10*	*08/09/21 16:25*	*1*
13C3 PFBS	*95*		*25 - 150*	*08/06/21 20:10*	*08/09/21 16:25*	*1*
18O2 PFHxS	*93*		*25 - 150*	*08/06/21 20:10*	*08/09/21 16:25*	*1*
13C4 PFOS	*94*		*25 - 150*	*08/06/21 20:10*	*08/09/21 16:25*	*1*
13C8 FOSA	*99*		*10 - 150*	*08/06/21 20:10*	*08/09/21 16:25*	*1*
d3-NMeFOSAA	*84*		*25 - 150*	*08/06/21 20:10*	*08/09/21 16:25*	*1*
d5-NEtFOSAA	*93*		*25 - 150*	*08/06/21 20:10*	*08/09/21 16:25*	*1*
d-N-MeFOSA-M	*82*		*10 - 150*	*08/06/21 20:10*	*08/09/21 16:25*	*1*
d-N-EtFOSA-M	*79*		*10 - 150*	*08/06/21 20:10*	*08/09/21 16:25*	*1*
d7-N-MeFOSE-M	*80*		*10 - 150*	*08/06/21 20:10*	*08/09/21 16:25*	*1*
d9-N-EtFOSE-M	*82*		*10 - 150*	*08/06/21 20:10*	*08/09/21 16:25*	*1*
M2-4:2 FTS	*107*		*25 - 150*	*08/06/21 20:10*	*08/09/21 16:25*	*1*
M2-6:2 FTS	*127*		*25 - 150*	*08/06/21 20:10*	*08/09/21 16:25*	*1*
M2-8:2 FTS	*120*		*25 - 150*	*08/06/21 20:10*	*08/09/21 16:25*	*1*
13C3 HFPO-DA	*102*		*25 - 150*	*08/06/21 20:10*	*08/09/21 16:25*	*1*
13C2 10:2 FTS	*114*		*25 - 150*	*08/06/21 20:10*	*08/09/21 16:25*	*1*

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**2.5**	**B**	1.0	0.23	ug/L		08/09/21 08:40	08/09/21 21:31	1
Barium	**63**		2.5	0.73	ug/L		08/09/21 08:40	08/09/21 21:31	1
Cadmium	<0.17		0.50	0.17	ug/L		08/09/21 08:40	08/09/21 21:31	1
Chromium	<1.1		5.0	1.1	ug/L		08/09/21 08:40	08/09/21 21:31	1
Lead	<0.19		0.50	0.19	ug/L		08/09/21 08:40	08/09/21 21:31	1
Selenium	**1.5**	**J B ^+**	2.5	0.98	ug/L		08/09/21 08:40	08/10/21 19:51	1
Silver	<0.12		0.50	0.12	ug/L		08/09/21 08:40	08/09/21 21:31	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.098		0.20	0.098	ug/L		08/13/21 10:05	08/16/21 08:17	1

Client: Ramboll US Corporation
Project/Site: Former Mirro 20 - Chilton 1690019558

Job ID: 500-203366-1

Client Sample ID: PZ-5
Date Collected: 08/03/21 13:30
Date Received: 08/05/21 09:45

Lab Sample ID: 500-203366-6
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			08/13/21 15:52	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/13/21 15:52	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/13/21 15:52	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/13/21 15:52	1
Bromoform	<0.48		1.0	0.48	ug/L			08/13/21 15:52	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/13/21 15:52	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			08/13/21 15:52	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/13/21 15:52	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/13/21 15:52	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/13/21 15:52	1
Chloroform	<0.37		2.0	0.37	ug/L			08/13/21 15:52	1
Chloromethane	<0.32		1.0	0.32	ug/L			08/13/21 15:52	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/13/21 15:52	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/13/21 15:52	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			08/13/21 15:52	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/13/21 15:52	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/13/21 15:52	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/13/21 15:52	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/13/21 15:52	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/13/21 15:52	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/13/21 15:52	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/13/21 15:52	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/13/21 15:52	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/13/21 15:52	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/13/21 15:52	1
1,2-Dichloroethane	**1.0**		1.0	0.39	ug/L			08/13/21 15:52	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/13/21 15:52	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/13/21 15:52	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/13/21 15:52	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/13/21 15:52	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/13/21 15:52	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/13/21 15:52	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/13/21 15:52	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			08/13/21 15:52	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/13/21 15:52	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/13/21 15:52	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/13/21 15:52	1
Naphthalene	<0.34		1.0	0.34	ug/L			08/13/21 15:52	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/13/21 15:52	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			08/13/21 15:52	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			08/13/21 15:52	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			08/13/21 15:52	1
Styrene	<0.39		1.0	0.39	ug/L			08/13/21 15:52	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			08/13/21 15:52	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/13/21 15:52	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/13/21 15:52	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			08/13/21 15:52	1
Toluene	**0.17**	**J**	0.50	0.15	ug/L			08/13/21 15:52	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			08/13/21 15:52	1

Client Sample ID: PZ-5
Lab Sample ID: 500-203366-6
Date Collected: 08/03/21 13:30
Matrix: Water
Date Received: 08/05/21 09:45

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/13/21 15:52	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/13/21 15:52	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/13/21 15:52	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/13/21 15:52	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/13/21 15:52	1
Trichloroethene	**1.2**		0.50	0.16	ug/L			08/13/21 15:52	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/13/21 15:52	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/13/21 15:52	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			08/13/21 15:52	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			08/13/21 15:52	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/13/21 15:52	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			08/13/21 15:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*72 - 124*		*08/13/21 15:52*	*1*
Dibromofluoromethane (Surr)	*91*		*75 - 120*		*08/13/21 15:52*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 126*		*08/13/21 15:52*	*1*
Toluene-d8 (Surr)	*95*		*75 - 120*		*08/13/21 15:52*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.3		4.7	2.3	ng/L		08/09/21 05:29	08/13/21 18:52	1
Perfluoropentanoic acid (PFPeA)	<0.46		1.9	0.46	ng/L		08/09/21 05:29	08/13/21 18:52	1
Perfluorohexanoic acid (PFHxA)	<0.55		1.9	0.55	ng/L		08/09/21 05:29	08/13/21 18:52	1
Perfluoroheptanoic acid (PFHpA)	<0.24		1.9	0.24	ng/L		08/09/21 05:29	08/13/21 18:52	1
Perfluorooctanoic acid (PFOA)	<0.80		1.9	0.80	ng/L		08/09/21 05:29	08/13/21 18:52	1
Perfluorononanoic acid (PFNA)	<0.25		1.9	0.25	ng/L		08/09/21 05:29	08/13/21 18:52	1
Perfluorodecanoic acid (PFDA)	<0.29		1.9	0.29	ng/L		08/09/21 05:29	08/13/21 18:52	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		08/09/21 05:29	08/13/21 18:52	1
Perfluorododecanoic acid (PFDoA)	<0.52		1.9	0.52	ng/L		08/09/21 05:29	08/13/21 18:52	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.9	1.2	ng/L		08/09/21 05:29	08/13/21 18:52	1
Perfluorotetradecanoic acid (PFTeA)	<0.69		1.9	0.69	ng/L		08/09/21 05:29	08/13/21 18:52	1
Perfluorobutanesulfonic acid (PFBS)	**0.20**	**J**	1.9	0.19	ng/L		08/09/21 05:29	08/13/21 18:52	1
Perfluoropentanesulfonic acid (PFPeS)	<0.28		1.9	0.28	ng/L		08/09/21 05:29	08/13/21 18:52	1
Perfluorohexanesulfonic acid (PFHxS)	<0.54		1.9	0.54	ng/L		08/09/21 05:29	08/13/21 18:52	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.18		1.9	0.18	ng/L		08/09/21 05:29	08/13/21 18:52	1
Perfluorooctanesulfonic acid (PFOS)	<0.51		1.9	0.51	ng/L		08/09/21 05:29	08/13/21 18:52	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		08/09/21 05:29	08/13/21 18:52	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		08/09/21 05:29	08/13/21 18:52	1
Perfluorododecanesulfonic acid (PFDoS)	<0.91		1.9	0.91	ng/L		08/09/21 05:29	08/13/21 18:52	1
Perfluorooctanesulfonamide (FOSA)	<0.92		1.9	0.92	ng/L		08/09/21 05:29	08/13/21 18:52	1
NEtFOSA	<0.82		1.9	0.82	ng/L		08/09/21 05:29	08/13/21 18:52	1
NMeFOSA	<0.40		1.9	0.40	ng/L		08/09/21 05:29	08/13/21 18:52	1
NMeFOSAA	<1.1		4.7	1.1	ng/L		08/09/21 05:29	08/13/21 18:52	1
NEtFOSAA	<1.2		4.7	1.2	ng/L		08/09/21 05:29	08/13/21 18:52	1
NMeFOSE	<1.3		3.8	1.3	ng/L		08/09/21 05:29	08/13/21 18:52	1
NEtFOSE	<0.80		1.9	0.80	ng/L		08/09/21 05:29	08/13/21 18:52	1

Client Sample ID: PZ-5
Date Collected: 08/03/21 13:30
Date Received: 08/05/21 09:45

Lab Sample ID: 500-203366-6
Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4:2 FTS	<0.23		1.9	0.23	ng/L		08/09/21 05:29	08/13/21 18:52	1
6:2 FTS	<2.4		4.7	2.4	ng/L		08/09/21 05:29	08/13/21 18:52	1
8:2 FTS	<0.43		1.9	0.43	ng/L		08/09/21 05:29	08/13/21 18:52	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.38		1.9	0.38	ng/L		08/09/21 05:29	08/13/21 18:52	1
HFPO-DA (GenX)	<1.4		3.8	1.4	ng/L		08/09/21 05:29	08/13/21 18:52	1
9Cl-PF3ONS	<0.23		1.9	0.23	ng/L		08/09/21 05:29	08/13/21 18:52	1
11Cl-PF3OUdS	<0.30		1.9	0.30	ng/L		08/09/21 05:29	08/13/21 18:52	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*86*		*25 - 150*	*08/09/21 05:29*	*08/13/21 18:52*	*1*
13C5 PFPeA	*94*		*25 - 150*	*08/09/21 05:29*	*08/13/21 18:52*	*1*
13C2 PFHxA	*90*		*25 - 150*	*08/09/21 05:29*	*08/13/21 18:52*	*1*
13C4 PFHpA	*96*		*25 - 150*	*08/09/21 05:29*	*08/13/21 18:52*	*1*
13C4 PFOA	*94*		*25 - 150*	*08/09/21 05:29*	*08/13/21 18:52*	*1*
13C5 PFNA	*100*		*25 - 150*	*08/09/21 05:29*	*08/13/21 18:52*	*1*
13C2 PFDA	*98*		*25 - 150*	*08/09/21 05:29*	*08/13/21 18:52*	*1*
13C2 PFUnA	*95*		*25 - 150*	*08/09/21 05:29*	*08/13/21 18:52*	*1*
13C2 PFDoA	*93*		*25 - 150*	*08/09/21 05:29*	*08/13/21 18:52*	*1*
13C2 PFTeDA	*95*		*25 - 150*	*08/09/21 05:29*	*08/13/21 18:52*	*1*
13C3 PFBS	*103*		*25 - 150*	*08/09/21 05:29*	*08/13/21 18:52*	*1*
18O2 PFHxS	*92*		*25 - 150*	*08/09/21 05:29*	*08/13/21 18:52*	*1*
13C4 PFOS	*88*		*25 - 150*	*08/09/21 05:29*	*08/13/21 18:52*	*1*
13C8 FOSA	*93*		*10 - 150*	*08/09/21 05:29*	*08/13/21 18:52*	*1*
d3-NMeFOSAA	*83*		*25 - 150*	*08/09/21 05:29*	*08/13/21 18:52*	*1*
d5-NEtFOSAA	*88*		*25 - 150*	*08/09/21 05:29*	*08/13/21 18:52*	*1*
d-N-MeFOSA-M	*73*		*10 - 150*	*08/09/21 05:29*	*08/13/21 18:52*	*1*
d-N-EtFOSA-M	*68*		*10 - 150*	*08/09/21 05:29*	*08/13/21 18:52*	*1*
d7-N-MeFOSE-M	*74*		*10 - 150*	*08/09/21 05:29*	*08/13/21 18:52*	*1*
d9-N-EtFOSE-M	*82*		*10 - 150*	*08/09/21 05:29*	*08/13/21 18:52*	*1*
M2-4:2 FTS	*101*		*25 - 150*	*08/09/21 05:29*	*08/13/21 18:52*	*1*
M2-6:2 FTS	*110*		*25 - 150*	*08/09/21 05:29*	*08/13/21 18:52*	*1*
M2-8:2 FTS	*99*		*25 - 150*	*08/09/21 05:29*	*08/13/21 18:52*	*1*
13C3 HFPO-DA	*102*		*25 - 150*	*08/09/21 05:29*	*08/13/21 18:52*	*1*
13C2 10:2 FTS	*92*		*25 - 150*	*08/09/21 05:29*	*08/13/21 18:52*	*1*

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**18**	**B**	1.0	0.23	ug/L		08/09/21 08:40	08/09/21 21:34	1
Barium	**70**		2.5	0.73	ug/L		08/09/21 08:40	08/09/21 21:34	1
Cadmium	<0.17		0.50	0.17	ug/L		08/09/21 08:40	08/09/21 21:34	1
Chromium	<1.1		5.0	1.1	ug/L		08/09/21 08:40	08/09/21 21:34	1
Lead	<0.19		0.50	0.19	ug/L		08/09/21 08:40	08/09/21 21:34	1
Selenium	**1.7**	**J B ^+**	2.5	0.98	ug/L		08/09/21 08:40	08/10/21 19:54	1
Silver	<0.12		0.50	0.12	ug/L		08/09/21 08:40	08/09/21 21:34	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.098		0.20	0.098	ug/L		08/13/21 10:05	08/16/21 08:20	1

Client: Ramboll US Corporation
Project/Site: Former Mirro 20 - Chilton 1690019558

Job ID: 500-203366-1

Client Sample ID: PZ-5 DUP

Date Collected: 08/03/21 13:30
Date Received: 08/05/21 09:45

Lab Sample ID: 500-203366-7

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			08/13/21 16:17	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/13/21 16:17	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/13/21 16:17	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/13/21 16:17	1
Bromoform	<0.48		1.0	0.48	ug/L			08/13/21 16:17	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/13/21 16:17	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			08/13/21 16:17	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/13/21 16:17	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/13/21 16:17	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/13/21 16:17	1
Chloroform	<0.37		2.0	0.37	ug/L			08/13/21 16:17	1
Chloromethane	<0.32		1.0	0.32	ug/L			08/13/21 16:17	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/13/21 16:17	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/13/21 16:17	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			08/13/21 16:17	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/13/21 16:17	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/13/21 16:17	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/13/21 16:17	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/13/21 16:17	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/13/21 16:17	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/13/21 16:17	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/13/21 16:17	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/13/21 16:17	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/13/21 16:17	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/13/21 16:17	1
1,2-Dichloroethane	**0.91**	**J**	1.0	0.39	ug/L			08/13/21 16:17	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/13/21 16:17	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/13/21 16:17	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/13/21 16:17	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/13/21 16:17	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/13/21 16:17	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/13/21 16:17	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/13/21 16:17	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			08/13/21 16:17	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/13/21 16:17	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/13/21 16:17	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/13/21 16:17	1
Naphthalene	<0.34		1.0	0.34	ug/L			08/13/21 16:17	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/13/21 16:17	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			08/13/21 16:17	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			08/13/21 16:17	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			08/13/21 16:17	1
Styrene	<0.39		1.0	0.39	ug/L			08/13/21 16:17	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			08/13/21 16:17	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/13/21 16:17	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/13/21 16:17	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			08/13/21 16:17	1
Toluene	**0.17**	**J**	0.50	0.15	ug/L			08/13/21 16:17	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			08/13/21 16:17	1

Client Sample ID: PZ-5 DUP
Lab Sample ID: 500-203366-7
Date Collected: 08/03/21 13:30
Matrix: Water
Date Received: 08/05/21 09:45

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/13/21 16:17	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/13/21 16:17	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/13/21 16:17	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/13/21 16:17	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/13/21 16:17	1
Trichloroethene	**1.2**		0.50	0.16	ug/L			08/13/21 16:17	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/13/21 16:17	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/13/21 16:17	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			08/13/21 16:17	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			08/13/21 16:17	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/13/21 16:17	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			08/13/21 16:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*72 - 124*		*08/13/21 16:17*	*1*
Dibromofluoromethane (Surr)	*93*		*75 - 120*		*08/13/21 16:17*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 126*		*08/13/21 16:17*	*1*
Toluene-d8 (Surr)	*97*		*75 - 120*		*08/13/21 16:17*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.1		4.4	2.1	ng/L		08/09/21 05:29	08/13/21 19:01	1
Perfluoropentanoic acid (PFPeA)	<0.43		1.8	0.43	ng/L		08/09/21 05:29	08/13/21 19:01	1
Perfluorohexanoic acid (PFHxA)	<0.51		1.8	0.51	ng/L		08/09/21 05:29	08/13/21 19:01	1
Perfluoroheptanoic acid (PFHpA)	<0.22		1.8	0.22	ng/L		08/09/21 05:29	08/13/21 19:01	1
Perfluorooctanoic acid (PFOA)	<0.75		1.8	0.75	ng/L		08/09/21 05:29	08/13/21 19:01	1
Perfluorononanoic acid (PFNA)	<0.24		1.8	0.24	ng/L		08/09/21 05:29	08/13/21 19:01	1
Perfluorodecanoic acid (PFDA)	<0.28		1.8	0.28	ng/L		08/09/21 05:29	08/13/21 19:01	1
Perfluoroundecanoic acid (PFUnA)	<0.98		1.8	0.98	ng/L		08/09/21 05:29	08/13/21 19:01	1
Perfluorododecanoic acid (PFDoA)	<0.49		1.8	0.49	ng/L		08/09/21 05:29	08/13/21 19:01	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.8	1.2	ng/L		08/09/21 05:29	08/13/21 19:01	1
Perfluorotetradecanoic acid (PFTeA)	<0.65		1.8	0.65	ng/L		08/09/21 05:29	08/13/21 19:01	1
Perfluorobutanesulfonic acid (PFBS)	**0.23**	**J**	1.8	0.18	ng/L		08/09/21 05:29	08/13/21 19:01	1
Perfluoropentanesulfonic acid (PFPeS)	<0.27		1.8	0.27	ng/L		08/09/21 05:29	08/13/21 19:01	1
Perfluorohexanesulfonic acid (PFHxS)	**0.59**	**J**	1.8	0.51	ng/L		08/09/21 05:29	08/13/21 19:01	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.17		1.8	0.17	ng/L		08/09/21 05:29	08/13/21 19:01	1
Perfluorooctanesulfonic acid (PFOS)	<0.48		1.8	0.48	ng/L		08/09/21 05:29	08/13/21 19:01	1
Perfluorononanesulfonic acid (PFNS)	<0.33		1.8	0.33	ng/L		08/09/21 05:29	08/13/21 19:01	1
Perfluorodecanesulfonic acid (PFDS)	<0.28		1.8	0.28	ng/L		08/09/21 05:29	08/13/21 19:01	1
Perfluorododecanesulfonic acid (PFDoS)	<0.86		1.8	0.86	ng/L		08/09/21 05:29	08/13/21 19:01	1
Perfluorooctanesulfonamide (FOSA)	<0.87		1.8	0.87	ng/L		08/09/21 05:29	08/13/21 19:01	1
NEtFOSA	<0.77		1.8	0.77	ng/L		08/09/21 05:29	08/13/21 19:01	1
NMeFOSA	<0.38		1.8	0.38	ng/L		08/09/21 05:29	08/13/21 19:01	1
NMeFOSAA	<1.1		4.4	1.1	ng/L		08/09/21 05:29	08/13/21 19:01	1
NEtFOSAA	<1.2		4.4	1.2	ng/L		08/09/21 05:29	08/13/21 19:01	1
NMeFOSE	<1.2		3.5	1.2	ng/L		08/09/21 05:29	08/13/21 19:01	1

Client Sample ID: PZ-5 DUP
Lab Sample ID: 500-203366-7

Date Collected: 08/03/21 13:30
Matrix: Water
Date Received: 08/05/21 09:45

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
NEtFOSE	<0.75		1.8	0.75	ng/L		08/09/21 05:29	08/13/21 19:01	1
4:2 FTS	<0.21		1.8	0.21	ng/L		08/09/21 05:29	08/13/21 19:01	1
6:2 FTS	<2.2		4.4	2.2	ng/L		08/09/21 05:29	08/13/21 19:01	1
8:2 FTS	<0.41		1.8	0.41	ng/L		08/09/21 05:29	08/13/21 19:01	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.35		1.8	0.35	ng/L		08/09/21 05:29	08/13/21 19:01	1
HFPO-DA (GenX)	<1.3		3.5	1.3	ng/L		08/09/21 05:29	08/13/21 19:01	1
9Cl-PF3ONS	<0.21		1.8	0.21	ng/L		08/09/21 05:29	08/13/21 19:01	1
11Cl-PF3OUdS	<0.28		1.8	0.28	ng/L		08/09/21 05:29	08/13/21 19:01	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*87*		*25 - 150*	*08/09/21 05:29*	*08/13/21 19:01*	*1*
13C5 PFPeA	*97*		*25 - 150*	*08/09/21 05:29*	*08/13/21 19:01*	*1*
13C2 PFHxA	*93*		*25 - 150*	*08/09/21 05:29*	*08/13/21 19:01*	*1*
13C4 PFHpA	*97*		*25 - 150*	*08/09/21 05:29*	*08/13/21 19:01*	*1*
13C4 PFOA	*100*		*25 - 150*	*08/09/21 05:29*	*08/13/21 19:01*	*1*
13C5 PFNA	*104*		*25 - 150*	*08/09/21 05:29*	*08/13/21 19:01*	*1*
13C2 PFDA	*102*		*25 - 150*	*08/09/21 05:29*	*08/13/21 19:01*	*1*
13C2 PFUnA	*96*		*25 - 150*	*08/09/21 05:29*	*08/13/21 19:01*	*1*
13C2 PFDoA	*91*		*25 - 150*	*08/09/21 05:29*	*08/13/21 19:01*	*1*
13C2 PFTeDA	*98*		*25 - 150*	*08/09/21 05:29*	*08/13/21 19:01*	*1*
13C3 PFBS	*110*		*25 - 150*	*08/09/21 05:29*	*08/13/21 19:01*	*1*
18O2 PFHxS	*92*		*25 - 150*	*08/09/21 05:29*	*08/13/21 19:01*	*1*
13C4 PFOS	*92*		*25 - 150*	*08/09/21 05:29*	*08/13/21 19:01*	*1*
13C8 FOSA	*98*		*10 - 150*	*08/09/21 05:29*	*08/13/21 19:01*	*1*
d3-NMeFOSAA	*88*		*25 - 150*	*08/09/21 05:29*	*08/13/21 19:01*	*1*
d5-NEtFOSAA	*91*		*25 - 150*	*08/09/21 05:29*	*08/13/21 19:01*	*1*
d-N-MeFOSA-M	*75*		*10 - 150*	*08/09/21 05:29*	*08/13/21 19:01*	*1*
d-N-EtFOSA-M	*72*		*10 - 150*	*08/09/21 05:29*	*08/13/21 19:01*	*1*
d7-N-MeFOSE-M	*74*		*10 - 150*	*08/09/21 05:29*	*08/13/21 19:01*	*1*
d9-N-EtFOSE-M	*80*		*10 - 150*	*08/09/21 05:29*	*08/13/21 19:01*	*1*
M2-4:2 FTS	*103*		*25 - 150*	*08/09/21 05:29*	*08/13/21 19:01*	*1*
M2-6:2 FTS	*103*		*25 - 150*	*08/09/21 05:29*	*08/13/21 19:01*	*1*
M2-8:2 FTS	*100*		*25 - 150*	*08/09/21 05:29*	*08/13/21 19:01*	*1*
13C3 HFPO-DA	*102*		*25 - 150*	*08/09/21 05:29*	*08/13/21 19:01*	*1*
13C2 10:2 FTS	*91*		*25 - 150*	*08/09/21 05:29*	*08/13/21 19:01*	*1*

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**16**	**B**	1.0	0.23	ug/L		08/09/21 08:40	08/09/21 21:38	1
Barium	**67**		2.5	0.73	ug/L		08/09/21 08:40	08/09/21 21:38	1
Cadmium	<0.17		0.50	0.17	ug/L		08/09/21 08:40	08/09/21 21:38	1
Chromium	<1.1		5.0	1.1	ug/L		08/09/21 08:40	08/09/21 21:38	1
Lead	<0.19		0.50	0.19	ug/L		08/09/21 08:40	08/09/21 21:38	1
Selenium	**1.4**	**J B ^+**	2.5	0.98	ug/L		08/09/21 08:40	08/10/21 19:57	1
Silver	<0.12		0.50	0.12	ug/L		08/09/21 08:40	08/09/21 21:38	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.098		0.20	0.098	ug/L		08/13/21 10:05	08/16/21 08:22	1

Client: Ramboll US Corporation
Project/Site: Former Mirro 20 - Chilton 1690019558

Job ID: 500-203366-1

Client Sample ID: MW-5
Date Collected: 08/03/21 14:20
Date Received: 08/05/21 09:45

Lab Sample ID: 500-203366-8
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			08/13/21 16:41	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/13/21 16:41	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/13/21 16:41	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/13/21 16:41	1
Bromoform	<0.48		1.0	0.48	ug/L			08/13/21 16:41	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/13/21 16:41	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			08/13/21 16:41	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/13/21 16:41	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/13/21 16:41	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/13/21 16:41	1
Chloroform	<0.37		2.0	0.37	ug/L			08/13/21 16:41	1
Chloromethane	<0.32		1.0	0.32	ug/L			08/13/21 16:41	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/13/21 16:41	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/13/21 16:41	1
cis-1,2-Dichloroethene	**5.4**		1.0	0.41	ug/L			08/13/21 16:41	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/13/21 16:41	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/13/21 16:41	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/13/21 16:41	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/13/21 16:41	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/13/21 16:41	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/13/21 16:41	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/13/21 16:41	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/13/21 16:41	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/13/21 16:41	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/13/21 16:41	1
1,2-Dichloroethane	**0.56**	**J**	1.0	0.39	ug/L			08/13/21 16:41	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/13/21 16:41	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/13/21 16:41	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/13/21 16:41	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/13/21 16:41	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/13/21 16:41	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/13/21 16:41	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/13/21 16:41	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			08/13/21 16:41	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/13/21 16:41	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/13/21 16:41	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/13/21 16:41	1
Naphthalene	<0.34		1.0	0.34	ug/L			08/13/21 16:41	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/13/21 16:41	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			08/13/21 16:41	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			08/13/21 16:41	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			08/13/21 16:41	1
Styrene	<0.39		1.0	0.39	ug/L			08/13/21 16:41	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			08/13/21 16:41	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/13/21 16:41	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/13/21 16:41	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			08/13/21 16:41	1
Toluene	**0.15**	**J**	0.50	0.15	ug/L			08/13/21 16:41	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			08/13/21 16:41	1

Client: Ramboll US Corporation
Job ID: 500-203366-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: MW-5
Lab Sample ID: 500-203366-8
Date Collected: 08/03/21 14:20
Matrix: Water
Date Received: 08/05/21 09:45

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/13/21 16:41	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/13/21 16:41	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/13/21 16:41	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/13/21 16:41	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/13/21 16:41	1
Trichloroethene	<0.16		0.50	0.16	ug/L			08/13/21 16:41	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/13/21 16:41	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/13/21 16:41	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			08/13/21 16:41	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			08/13/21 16:41	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/13/21 16:41	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			08/13/21 16:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*72 - 124*		*08/13/21 16:41*	*1*
Dibromofluoromethane (Surr)	*90*		*75 - 120*		*08/13/21 16:41*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 126*		*08/13/21 16:41*	*1*
Toluene-d8 (Surr)	*96*		*75 - 120*		*08/13/21 16:41*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**2.3**	**J**	4.3	2.1	ng/L		08/06/21 20:10	08/09/21 16:34	1
Perfluoropentanoic acid (PFPeA)	**0.70**	**J**	1.7	0.42	ng/L		08/06/21 20:10	08/09/21 16:34	1
Perfluorohexanoic acid (PFHxA)	**0.51**	**J**	1.7	0.50	ng/L		08/06/21 20:10	08/09/21 16:34	1
Perfluoroheptanoic acid (PFHpA)	**0.41**	**J**	1.7	0.22	ng/L		08/06/21 20:10	08/09/21 16:34	1
Perfluorooctanoic acid (PFOA)	**1.5**	**J**	1.7	0.74	ng/L		08/06/21 20:10	08/09/21 16:34	1
Perfluorononanoic acid (PFNA)	**0.27**	**J**	1.7	0.23	ng/L		08/06/21 20:10	08/09/21 16:34	1
Perfluorodecanoic acid (PFDA)	<0.27		1.7	0.27	ng/L		08/06/21 20:10	08/09/21 16:34	1
Perfluoroundecanoic acid (PFUnA)	<0.95		1.7	0.95	ng/L		08/06/21 20:10	08/09/21 16:34	1
Perfluorododecanoic acid (PFDoA)	<0.48		1.7	0.48	ng/L		08/06/21 20:10	08/09/21 16:34	1
Perfluorotridecanoic acid (PFTrDA)	<1.1		1.7	1.1	ng/L		08/06/21 20:10	08/09/21 16:34	1
Perfluorotetradecanoic acid (PFTeA)	<0.63		1.7	0.63	ng/L		08/06/21 20:10	08/09/21 16:34	1
Perfluorobutanesulfonic acid (PFBS)	**0.67**	**J**	1.7	0.17	ng/L		08/06/21 20:10	08/09/21 16:34	1
Perfluoropentanesulfonic acid (PFPeS)	<0.26		1.7	0.26	ng/L		08/06/21 20:10	08/09/21 16:34	1
Perfluorohexanesulfonic acid (PFHxS)	**0.81**	**J**	1.7	0.49	ng/L		08/06/21 20:10	08/09/21 16:34	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.16		1.7	0.16	ng/L		08/06/21 20:10	08/09/21 16:34	1
Perfluorooctanesulfonic acid (PFOS)	**3.0**		1.7	0.47	ng/L		08/06/21 20:10	08/09/21 16:34	1
Perfluorononanesulfonic acid (PFNS)	<0.32		1.7	0.32	ng/L		08/06/21 20:10	08/09/21 16:34	1
Perfluorodecanesulfonic acid (PFDS)	<0.28		1.7	0.28	ng/L		08/06/21 20:10	08/09/21 16:34	1
Perfluorododecanesulfonic acid (PFDoS)	<0.84		1.7	0.84	ng/L		08/06/21 20:10	08/09/21 16:34	1
Perfluorooctanesulfonamide (FOSA)	<0.85		1.7	0.85	ng/L		08/06/21 20:10	08/09/21 16:34	1
NEtFOSA	<0.75		1.7	0.75	ng/L		08/06/21 20:10	08/09/21 16:34	1
NMeFOSA	<0.37		1.7	0.37	ng/L		08/06/21 20:10	08/09/21 16:34	1
NMeFOSAA	<1.0		4.3	1.0	ng/L		08/06/21 20:10	08/09/21 16:34	1
NEtFOSAA	<1.1		4.3	1.1	ng/L		08/06/21 20:10	08/09/21 16:34	1

Client Sample ID: MW-5
Date Collected: 08/03/21 14:20
Date Received: 08/05/21 09:45

Lab Sample ID: 500-203366-8
Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
NMeFOSE	<1.2		3.5	1.2	ng/L		08/06/21 20:10	08/09/21 16:34	1
NEtFOSE	<0.74		1.7	0.74	ng/L		08/06/21 20:10	08/09/21 16:34	1
4:2 FTS	<0.21		1.7	0.21	ng/L		08/06/21 20:10	08/09/21 16:34	1
6:2 FTS	<2.2		4.3	2.2	ng/L		08/06/21 20:10	08/09/21 16:34	1
8:2 FTS	<0.40		1.7	0.40	ng/L		08/06/21 20:10	08/09/21 16:34	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.35		1.7	0.35	ng/L		08/06/21 20:10	08/09/21 16:34	1
HFPO-DA (GenX)	<1.3		3.5	1.3	ng/L		08/06/21 20:10	08/09/21 16:34	1
9Cl-PF3ONS	<0.21		1.7	0.21	ng/L		08/06/21 20:10	08/09/21 16:34	1
11Cl-PF3OUdS	<0.28		1.7	0.28	ng/L		08/06/21 20:10	08/09/21 16:34	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*82*		*25 - 150*	*08/06/21 20:10*	*08/09/21 16:34*	*1*
13C5 PFPeA	*94*		*25 - 150*	*08/06/21 20:10*	*08/09/21 16:34*	*1*
13C2 PFHxA	*102*		*25 - 150*	*08/06/21 20:10*	*08/09/21 16:34*	*1*
13C4 PFHpA	*104*		*25 - 150*	*08/06/21 20:10*	*08/09/21 16:34*	*1*
13C4 PFOA	*98*		*25 - 150*	*08/06/21 20:10*	*08/09/21 16:34*	*1*
13C5 PFNA	*103*		*25 - 150*	*08/06/21 20:10*	*08/09/21 16:34*	*1*
13C2 PFDA	*106*		*25 - 150*	*08/06/21 20:10*	*08/09/21 16:34*	*1*
13C2 PFUnA	*101*		*25 - 150*	*08/06/21 20:10*	*08/09/21 16:34*	*1*
13C2 PFDoA	*94*		*25 - 150*	*08/06/21 20:10*	*08/09/21 16:34*	*1*
13C2 PFTeDA	*94*		*25 - 150*	*08/06/21 20:10*	*08/09/21 16:34*	*1*
13C3 PFBS	*92*		*25 - 150*	*08/06/21 20:10*	*08/09/21 16:34*	*1*
18O2 PFHxS	*95*		*25 - 150*	*08/06/21 20:10*	*08/09/21 16:34*	*1*
13C4 PFOS	*94*		*25 - 150*	*08/06/21 20:10*	*08/09/21 16:34*	*1*
13C8 FOSA	*101*		*10 - 150*	*08/06/21 20:10*	*08/09/21 16:34*	*1*
d3-NMeFOSAA	*86*		*25 - 150*	*08/06/21 20:10*	*08/09/21 16:34*	*1*
d5-NEtFOSAA	*100*		*25 - 150*	*08/06/21 20:10*	*08/09/21 16:34*	*1*
d-N-MeFOSA-M	*84*		*10 - 150*	*08/06/21 20:10*	*08/09/21 16:34*	*1*
d-N-EtFOSA-M	*78*		*10 - 150*	*08/06/21 20:10*	*08/09/21 16:34*	*1*
d7-N-MeFOSE-M	*81*		*10 - 150*	*08/06/21 20:10*	*08/09/21 16:34*	*1*
d9-N-EtFOSE-M	*84*		*10 - 150*	*08/06/21 20:10*	*08/09/21 16:34*	*1*
M2-4:2 FTS	*122*		*25 - 150*	*08/06/21 20:10*	*08/09/21 16:34*	*1*
M2-6:2 FTS	*134*		*25 - 150*	*08/06/21 20:10*	*08/09/21 16:34*	*1*
M2-8:2 FTS	*126*		*25 - 150*	*08/06/21 20:10*	*08/09/21 16:34*	*1*
13C3 HFPO-DA	*103*		*25 - 150*	*08/06/21 20:10*	*08/09/21 16:34*	*1*
13C2 10:2 FTS	*111*		*25 - 150*	*08/06/21 20:10*	*08/09/21 16:34*	*1*

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**1.2**	**B**	1.0	0.23	ug/L		08/09/21 08:40	08/09/21 21:41	1
Barium	**65**		2.5	0.73	ug/L		08/09/21 08:40	08/09/21 21:41	1
Cadmium	<0.17		0.50	0.17	ug/L		08/09/21 08:40	08/09/21 21:41	1
Chromium	<1.1		5.0	1.1	ug/L		08/09/21 08:40	08/09/21 21:41	1
Lead	<0.19		0.50	0.19	ug/L		08/09/21 08:40	08/09/21 21:41	1
Selenium	**1.7**	**J B ^+**	2.5	0.98	ug/L		08/09/21 08:40	08/10/21 20:00	1
Silver	<0.12		0.50	0.12	ug/L		08/09/21 08:40	08/09/21 21:41	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.098		0.20	0.098	ug/L		08/13/21 10:05	08/16/21 08:49	1

Client: Ramboll US Corporation
Project/Site: Former Mirro 20 - Chilton 1690019558

Job ID: 500-203366-1

Client Sample ID: OMPZ-4

Date Collected: 08/03/21 15:20
Date Received: 08/05/21 09:45

Lab Sample ID: 500-203366-9

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			08/13/21 12:18	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/13/21 12:18	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/13/21 12:18	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/13/21 12:18	1
Bromoform	<0.48		1.0	0.48	ug/L			08/13/21 12:18	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/13/21 12:18	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			08/13/21 12:18	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/13/21 12:18	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/13/21 12:18	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/13/21 12:18	1
Chloroform	<0.37		2.0	0.37	ug/L			08/13/21 12:18	1
Chloromethane	<0.32		1.0	0.32	ug/L			08/13/21 12:18	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/13/21 12:18	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/13/21 12:18	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			08/13/21 12:18	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/13/21 12:18	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/13/21 12:18	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/13/21 12:18	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/13/21 12:18	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/13/21 12:18	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/13/21 12:18	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/13/21 12:18	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/13/21 12:18	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/13/21 12:18	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/13/21 12:18	1
1,2-Dichloroethane	**0.85**	**J**	1.0	0.39	ug/L			08/13/21 12:18	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/13/21 12:18	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/13/21 12:18	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/13/21 12:18	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/13/21 12:18	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/13/21 12:18	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/13/21 12:18	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/13/21 12:18	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			08/13/21 12:18	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/13/21 12:18	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/13/21 12:18	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/13/21 12:18	1
Naphthalene	<0.34		1.0	0.34	ug/L			08/13/21 12:18	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/13/21 12:18	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			08/13/21 12:18	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			08/13/21 12:18	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			08/13/21 12:18	1
Styrene	<0.39		1.0	0.39	ug/L			08/13/21 12:18	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			08/13/21 12:18	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/13/21 12:18	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/13/21 12:18	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			08/13/21 12:18	1
Toluene	**0.15**	**J**	0.50	0.15	ug/L			08/13/21 12:18	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			08/13/21 12:18	1

Client Sample ID: OMPZ-4
Lab Sample ID: 500-203366-9
Date Collected: 08/03/21 15:20
Matrix: Water
Date Received: 08/05/21 09:45

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/13/21 12:18	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/13/21 12:18	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/13/21 12:18	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/13/21 12:18	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/13/21 12:18	1
Trichloroethene	**0.19**	**J**	0.50	0.16	ug/L			08/13/21 12:18	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/13/21 12:18	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/13/21 12:18	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			08/13/21 12:18	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			08/13/21 12:18	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/13/21 12:18	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			08/13/21 12:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*72 - 124*		*08/13/21 12:18*	*1*
Dibromofluoromethane (Surr)	*92*		*75 - 120*		*08/13/21 12:18*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*75 - 126*		*08/13/21 12:18*	*1*
Toluene-d8 (Surr)	*98*		*75 - 120*		*08/13/21 12:18*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.1		4.4	2.1	ng/L		08/06/21 20:10	08/09/21 16:44	1
Perfluoropentanoic acid (PFPeA)	<0.44		1.8	0.44	ng/L		08/06/21 20:10	08/09/21 16:44	1
Perfluorohexanoic acid (PFHxA)	<0.51		1.8	0.51	ng/L		08/06/21 20:10	08/09/21 16:44	1
Perfluoroheptanoic acid (PFHpA)	<0.22		1.8	0.22	ng/L		08/06/21 20:10	08/09/21 16:44	1
Perfluorooctanoic acid (PFOA)	<0.75		1.8	0.75	ng/L		08/06/21 20:10	08/09/21 16:44	1
Perfluorononanoic acid (PFNA)	<0.24		1.8	0.24	ng/L		08/06/21 20:10	08/09/21 16:44	1
Perfluorodecanoic acid (PFDA)	<0.28		1.8	0.28	ng/L		08/06/21 20:10	08/09/21 16:44	1
Perfluoroundecanoic acid (PFUnA)	<0.98		1.8	0.98	ng/L		08/06/21 20:10	08/09/21 16:44	1
Perfluorododecanoic acid (PFDoA)	<0.49		1.8	0.49	ng/L		08/06/21 20:10	08/09/21 16:44	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.8	1.2	ng/L		08/06/21 20:10	08/09/21 16:44	1
Perfluorotetradecanoic acid (PFTeA)	<0.65		1.8	0.65	ng/L		08/06/21 20:10	08/09/21 16:44	1
Perfluorobutanesulfonic acid (PFBS)	<0.18		1.8	0.18	ng/L		08/06/21 20:10	08/09/21 16:44	1
Perfluoropentanesulfonic acid (PFPeS)	<0.27		1.8	0.27	ng/L		08/06/21 20:10	08/09/21 16:44	1
Perfluorohexanesulfonic acid (PFHxS)	<0.51		1.8	0.51	ng/L		08/06/21 20:10	08/09/21 16:44	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.17		1.8	0.17	ng/L		08/06/21 20:10	08/09/21 16:44	1
Perfluorooctanesulfonic acid (PFOS)	<0.48		1.8	0.48	ng/L		08/06/21 20:10	08/09/21 16:44	1
Perfluorononanesulfonic acid (PFNS)	<0.33		1.8	0.33	ng/L		08/06/21 20:10	08/09/21 16:44	1
Perfluorodecanesulfonic acid (PFDS)	<0.28		1.8	0.28	ng/L		08/06/21 20:10	08/09/21 16:44	1
Perfluorododecanesulfonic acid (PFDoS)	<0.86		1.8	0.86	ng/L		08/06/21 20:10	08/09/21 16:44	1
Perfluorooctanesulfonamide (FOSA)	<0.87		1.8	0.87	ng/L		08/06/21 20:10	08/09/21 16:44	1
NEtFOSA	<0.77		1.8	0.77	ng/L		08/06/21 20:10	08/09/21 16:44	1
NMeFOSA	<0.38		1.8	0.38	ng/L		08/06/21 20:10	08/09/21 16:44	1
NMeFOSAA	<1.1		4.4	1.1	ng/L		08/06/21 20:10	08/09/21 16:44	1
NEtFOSAA	<1.2		4.4	1.2	ng/L		08/06/21 20:10	08/09/21 16:44	1
NMeFOSE	<1.2		3.6	1.2	ng/L		08/06/21 20:10	08/09/21 16:44	1
NEtFOSE	<0.75		1.8	0.75	ng/L		08/06/21 20:10	08/09/21 16:44	1
4:2 FTS	<0.21		1.8	0.21	ng/L		08/06/21 20:10	08/09/21 16:44	1

Client Sample ID: OMPZ-4
Lab Sample ID: 500-203366-9
Date Collected: 08/03/21 15:20
Matrix: Water
Date Received: 08/05/21 09:45

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
6:2 FTS	<2.2		4.4	2.2	ng/L		08/06/21 20:10	08/09/21 16:44	1
8:2 FTS	<0.41		1.8	0.41	ng/L		08/06/21 20:10	08/09/21 16:44	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.36		1.8	0.36	ng/L		08/06/21 20:10	08/09/21 16:44	1
HFPO-DA (GenX)	<1.3		3.6	1.3	ng/L		08/06/21 20:10	08/09/21 16:44	1
9Cl-PF3ONS	<0.21		1.8	0.21	ng/L		08/06/21 20:10	08/09/21 16:44	1
11Cl-PF3OUdS	<0.28		1.8	0.28	ng/L		08/06/21 20:10	08/09/21 16:44	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*85*		*25 - 150*	*08/06/21 20:10*	*08/09/21 16:44*	*1*
13C5 PFPeA	*103*		*25 - 150*	*08/06/21 20:10*	*08/09/21 16:44*	*1*
13C2 PFHxA	*109*		*25 - 150*	*08/06/21 20:10*	*08/09/21 16:44*	*1*
13C4 PFHpA	*108*		*25 - 150*	*08/06/21 20:10*	*08/09/21 16:44*	*1*
13C4 PFOA	*109*		*25 - 150*	*08/06/21 20:10*	*08/09/21 16:44*	*1*
13C5 PFNA	*104*		*25 - 150*	*08/06/21 20:10*	*08/09/21 16:44*	*1*
13C2 PFDA	*111*		*25 - 150*	*08/06/21 20:10*	*08/09/21 16:44*	*1*
13C2 PFUnA	*110*		*25 - 150*	*08/06/21 20:10*	*08/09/21 16:44*	*1*
13C2 PFDoA	*97*		*25 - 150*	*08/06/21 20:10*	*08/09/21 16:44*	*1*
13C2 PFTeDA	*100*		*25 - 150*	*08/06/21 20:10*	*08/09/21 16:44*	*1*
13C3 PFBS	*95*		*25 - 150*	*08/06/21 20:10*	*08/09/21 16:44*	*1*
18O2 PFHxS	*98*		*25 - 150*	*08/06/21 20:10*	*08/09/21 16:44*	*1*
13C4 PFOS	*95*		*25 - 150*	*08/06/21 20:10*	*08/09/21 16:44*	*1*
13C8 FOSA	*105*		*10 - 150*	*08/06/21 20:10*	*08/09/21 16:44*	*1*
d3-NMeFOSAA	*93*		*25 - 150*	*08/06/21 20:10*	*08/09/21 16:44*	*1*
d5-NEtFOSAA	*100*		*25 - 150*	*08/06/21 20:10*	*08/09/21 16:44*	*1*
d-N-MeFOSA-M	*90*		*10 - 150*	*08/06/21 20:10*	*08/09/21 16:44*	*1*
d-N-EtFOSA-M	*83*		*10 - 150*	*08/06/21 20:10*	*08/09/21 16:44*	*1*
d7-N-MeFOSE-M	*85*		*10 - 150*	*08/06/21 20:10*	*08/09/21 16:44*	*1*
d9-N-EtFOSE-M	*102*		*10 - 150*	*08/06/21 20:10*	*08/09/21 16:44*	*1*
M2-4:2 FTS	*122*		*25 - 150*	*08/06/21 20:10*	*08/09/21 16:44*	*1*
M2-6:2 FTS	*140*		*25 - 150*	*08/06/21 20:10*	*08/09/21 16:44*	*1*
M2-8:2 FTS	*125*		*25 - 150*	*08/06/21 20:10*	*08/09/21 16:44*	*1*
13C3 HFPO-DA	*112*		*25 - 150*	*08/06/21 20:10*	*08/09/21 16:44*	*1*
13C2 10:2 FTS	*113*		*25 - 150*	*08/06/21 20:10*	*08/09/21 16:44*	*1*

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.70**	**J B**	1.0	0.23	ug/L		08/09/21 08:40	08/09/21 21:51	1
Barium	**35**		2.5	0.73	ug/L		08/09/21 08:40	08/09/21 21:51	1
Cadmium	<0.17		0.50	0.17	ug/L		08/09/21 08:40	08/09/21 21:51	1
Chromium	<1.1		5.0	1.1	ug/L		08/09/21 08:40	08/09/21 21:51	1
Lead	<0.19		0.50	0.19	ug/L		08/09/21 08:40	08/09/21 21:51	1
Selenium	**1.5**	**J B ^+**	2.5	0.98	ug/L		08/09/21 08:40	08/10/21 20:08	1
Silver	<0.12		0.50	0.12	ug/L		08/09/21 08:40	08/09/21 21:51	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.098		0.20	0.098	ug/L		08/13/21 10:05	08/16/21 08:51	1

Client: Ramboll US Corporation
Project/Site: Former Mirro 20 - Chilton 1690019558

Job ID: 500-203366-1

Client Sample ID: MW-8
Date Collected: 08/03/21 16:20
Date Received: 08/05/21 09:45

Lab Sample ID: 500-203366-10
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			08/13/21 17:06	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/13/21 17:06	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/13/21 17:06	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/13/21 17:06	1
Bromoform	<0.48		1.0	0.48	ug/L			08/13/21 17:06	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/13/21 17:06	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			08/13/21 17:06	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/13/21 17:06	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/13/21 17:06	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/13/21 17:06	1
Chloroform	<0.37		2.0	0.37	ug/L			08/13/21 17:06	1
Chloromethane	<0.32		1.0	0.32	ug/L			08/13/21 17:06	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/13/21 17:06	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/13/21 17:06	1
cis-1,2-Dichloroethene	**100**		1.0	0.41	ug/L			08/13/21 17:06	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/13/21 17:06	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/13/21 17:06	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/13/21 17:06	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/13/21 17:06	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/13/21 17:06	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/13/21 17:06	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/13/21 17:06	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/13/21 17:06	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/13/21 17:06	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/13/21 17:06	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/13/21 17:06	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/13/21 17:06	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/13/21 17:06	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/13/21 17:06	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/13/21 17:06	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/13/21 17:06	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/13/21 17:06	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/13/21 17:06	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			08/13/21 17:06	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/13/21 17:06	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/13/21 17:06	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/13/21 17:06	1
Naphthalene	<0.34		1.0	0.34	ug/L			08/13/21 17:06	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/13/21 17:06	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			08/13/21 17:06	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			08/13/21 17:06	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			08/13/21 17:06	1
Styrene	<0.39		1.0	0.39	ug/L			08/13/21 17:06	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			08/13/21 17:06	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/13/21 17:06	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/13/21 17:06	1
Tetrachloroethene	**15**		1.0	0.37	ug/L			08/13/21 17:06	1
Toluene	<0.15		0.50	0.15	ug/L			08/13/21 17:06	1
trans-1,2-Dichloroethene	**1.7**		1.0	0.35	ug/L			08/13/21 17:06	1

Client: Ramboll US Corporation
Job ID: 500-203366-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: MW-8
Lab Sample ID: 500-203366-10
Date Collected: 08/03/21 16:20
Matrix: Water
Date Received: 08/05/21 09:45

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/13/21 17:06	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/13/21 17:06	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/13/21 17:06	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/13/21 17:06	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/13/21 17:06	1
Trichloroethene	**8.5**		0.50	0.16	ug/L			08/13/21 17:06	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/13/21 17:06	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/13/21 17:06	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			08/13/21 17:06	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			08/13/21 17:06	1
Vinyl chloride	**3.2**		1.0	0.20	ug/L			08/13/21 17:06	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			08/13/21 17:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*72 - 124*		*08/13/21 17:06*	*1*
Dibromofluoromethane (Surr)	*94*		*75 - 120*		*08/13/21 17:06*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 126*		*08/13/21 17:06*	*1*
Toluene-d8 (Surr)	*98*		*75 - 120*		*08/13/21 17:06*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.1		4.5	2.1	ng/L		08/09/21 05:29	08/13/21 19:55	1
Perfluoropentanoic acid (PFPeA)	<0.44		1.8	0.44	ng/L		08/09/21 05:29	08/13/21 19:55	1
Perfluorohexanoic acid (PFHxA)	**0.69**	**J**	1.8	0.52	ng/L		08/09/21 05:29	08/13/21 19:55	1
Perfluoroheptanoic acid (PFHpA)	**0.27**	**J**	1.8	0.22	ng/L		08/09/21 05:29	08/13/21 19:55	1
Perfluorooctanoic acid (PFOA)	**4.1**		1.8	0.76	ng/L		08/09/21 05:29	08/13/21 19:55	1
Perfluorononanoic acid (PFNA)	<0.24		1.8	0.24	ng/L		08/09/21 05:29	08/13/21 19:55	1
Perfluorodecanoic acid (PFDA)	**0.33**	**J**	1.8	0.28	ng/L		08/09/21 05:29	08/13/21 19:55	1
Perfluoroundecanoic acid (PFUnA)	<0.98		1.8	0.98	ng/L		08/09/21 05:29	08/13/21 19:55	1
Perfluorododecanoic acid (PFDoA)	<0.49		1.8	0.49	ng/L		08/09/21 05:29	08/13/21 19:55	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.8	1.2	ng/L		08/09/21 05:29	08/13/21 19:55	1
Perfluorotetradecanoic acid (PFTeA)	<0.65		1.8	0.65	ng/L		08/09/21 05:29	08/13/21 19:55	1
Perfluorobutanesulfonic acid (PFBS)	**1.0**	**J**	1.8	0.18	ng/L		08/09/21 05:29	08/13/21 19:55	1
Perfluoropentanesulfonic acid (PFPeS)	<0.27		1.8	0.27	ng/L		08/09/21 05:29	08/13/21 19:55	1
Perfluorohexanesulfonic acid (PFHxS)	**3.9**		1.8	0.51	ng/L		08/09/21 05:29	08/13/21 19:55	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.17		1.8	0.17	ng/L		08/09/21 05:29	08/13/21 19:55	1
Perfluorooctanesulfonic acid (PFOS)	**2.4**		1.8	0.48	ng/L		08/09/21 05:29	08/13/21 19:55	1
Perfluorononanesulfonic acid (PFNS)	<0.33		1.8	0.33	ng/L		08/09/21 05:29	08/13/21 19:55	1
Perfluorodecanesulfonic acid (PFDS)	<0.29		1.8	0.29	ng/L		08/09/21 05:29	08/13/21 19:55	1
Perfluorododecanesulfonic acid (PFDoS)	<0.87		1.8	0.87	ng/L		08/09/21 05:29	08/13/21 19:55	1
Perfluorooctanesulfonamide (FOSA)	<0.87		1.8	0.87	ng/L		08/09/21 05:29	08/13/21 19:55	1
NEtFOSA	<0.78		1.8	0.78	ng/L		08/09/21 05:29	08/13/21 19:55	1
NMeFOSA	<0.38		1.8	0.38	ng/L		08/09/21 05:29	08/13/21 19:55	1
NMeFOSAA	<1.1		4.5	1.1	ng/L		08/09/21 05:29	08/13/21 19:55	1
NEtFOSAA	<1.2		4.5	1.2	ng/L		08/09/21 05:29	08/13/21 19:55	1

Client: Ramboll US Corporation
Job ID: 500-203366-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: MW-8
Lab Sample ID: 500-203366-10
Date Collected: 08/03/21 16:20
Matrix: Water
Date Received: 08/05/21 09:45

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
NMeFOSE	<1.2		3.6	1.2	ng/L		08/09/21 05:29	08/13/21 19:55	1
NEtFOSE	<0.76		1.8	0.76	ng/L		08/09/21 05:29	08/13/21 19:55	1
4:2 FTS	<0.21		1.8	0.21	ng/L		08/09/21 05:29	08/13/21 19:55	1
6:2 FTS	<2.2		4.5	2.2	ng/L		08/09/21 05:29	08/13/21 19:55	1
8:2 FTS	<0.41		1.8	0.41	ng/L		08/09/21 05:29	08/13/21 19:55	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.36		1.8	0.36	ng/L		08/09/21 05:29	08/13/21 19:55	1
HFPO-DA (GenX)	<1.3		3.6	1.3	ng/L		08/09/21 05:29	08/13/21 19:55	1
9Cl-PF3ONS	<0.21		1.8	0.21	ng/L		08/09/21 05:29	08/13/21 19:55	1
11Cl-PF3OUdS	<0.29		1.8	0.29	ng/L		08/09/21 05:29	08/13/21 19:55	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*81*		*25 - 150*	*08/09/21 05:29*	*08/13/21 19:55*	*1*
13C5 PFPeA	*92*		*25 - 150*	*08/09/21 05:29*	*08/13/21 19:55*	*1*
13C2 PFHxA	*88*		*25 - 150*	*08/09/21 05:29*	*08/13/21 19:55*	*1*
13C4 PFHpA	*97*		*25 - 150*	*08/09/21 05:29*	*08/13/21 19:55*	*1*
13C4 PFOA	*89*		*25 - 150*	*08/09/21 05:29*	*08/13/21 19:55*	*1*
13C5 PFNA	*97*		*25 - 150*	*08/09/21 05:29*	*08/13/21 19:55*	*1*
13C2 PFDA	*100*		*25 - 150*	*08/09/21 05:29*	*08/13/21 19:55*	*1*
13C2 PFUnA	*84*		*25 - 150*	*08/09/21 05:29*	*08/13/21 19:55*	*1*
13C2 PFDoA	*86*		*25 - 150*	*08/09/21 05:29*	*08/13/21 19:55*	*1*
13C2 PFTeDA	*91*		*25 - 150*	*08/09/21 05:29*	*08/13/21 19:55*	*1*
13C3 PFBS	*101*		*25 - 150*	*08/09/21 05:29*	*08/13/21 19:55*	*1*
18O2 PFHxS	*86*		*25 - 150*	*08/09/21 05:29*	*08/13/21 19:55*	*1*
13C4 PFOS	*84*		*25 - 150*	*08/09/21 05:29*	*08/13/21 19:55*	*1*
13C8 FOSA	*90*		*10 - 150*	*08/09/21 05:29*	*08/13/21 19:55*	*1*
d3-NMeFOSAA	*83*		*25 - 150*	*08/09/21 05:29*	*08/13/21 19:55*	*1*
d5-NEtFOSAA	*91*		*25 - 150*	*08/09/21 05:29*	*08/13/21 19:55*	*1*
d-N-MeFOSA-M	*80*		*10 - 150*	*08/09/21 05:29*	*08/13/21 19:55*	*1*
d-N-EtFOSA-M	*72*		*10 - 150*	*08/09/21 05:29*	*08/13/21 19:55*	*1*
d7-N-MeFOSE-M	*80*		*10 - 150*	*08/09/21 05:29*	*08/13/21 19:55*	*1*
d9-N-EtFOSE-M	*85*		*10 - 150*	*08/09/21 05:29*	*08/13/21 19:55*	*1*
M2-4:2 FTS	*105*		*25 - 150*	*08/09/21 05:29*	*08/13/21 19:55*	*1*
M2-6:2 FTS	*111*		*25 - 150*	*08/09/21 05:29*	*08/13/21 19:55*	*1*
M2-8:2 FTS	*97*		*25 - 150*	*08/09/21 05:29*	*08/13/21 19:55*	*1*
13C3 HFPO-DA	*94*		*25 - 150*	*08/09/21 05:29*	*08/13/21 19:55*	*1*
13C2 10:2 FTS	*91*		*25 - 150*	*08/09/21 05:29*	*08/13/21 19:55*	*1*

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.82**	**J B**	1.0	0.23	ug/L		08/09/21 08:40	08/09/21 21:55	1
Barium	**100**		2.5	0.73	ug/L		08/09/21 08:40	08/09/21 21:55	1
Cadmium	<0.17		0.50	0.17	ug/L		08/09/21 08:40	08/09/21 21:55	1
Chromium	<1.1		5.0	1.1	ug/L		08/09/21 08:40	08/09/21 21:55	1
Lead	<0.19		0.50	0.19	ug/L		08/09/21 08:40	08/09/21 21:55	1
Selenium	**1.9**	**J B ^+**	2.5	0.98	ug/L		08/09/21 08:40	08/10/21 20:11	1
Silver	<0.12		0.50	0.12	ug/L		08/09/21 08:40	08/09/21 21:55	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.098		0.20	0.098	ug/L		08/13/21 10:05	08/16/21 09:01	1

Client: Ramboll US Corporation
Project/Site: Former Mirro 20 - Chilton 1690019558

Job ID: 500-203366-1

Client Sample ID: EB-01
Date Collected: 08/03/21 17:15
Date Received: 08/05/21 09:45

Lab Sample ID: 500-203366-11
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			08/13/21 12:43	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/13/21 12:43	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/13/21 12:43	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/13/21 12:43	1
Bromoform	<0.48		1.0	0.48	ug/L			08/13/21 12:43	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/13/21 12:43	1
2-Butanone (MEK)	**2.7**	**J**	5.0	2.1	ug/L			08/13/21 12:43	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/13/21 12:43	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/13/21 12:43	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/13/21 12:43	1
Chloroform	**1.0**	**J**	2.0	0.37	ug/L			08/13/21 12:43	1
Chloromethane	<0.32		1.0	0.32	ug/L			08/13/21 12:43	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/13/21 12:43	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/13/21 12:43	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			08/13/21 12:43	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/13/21 12:43	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/13/21 12:43	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/13/21 12:43	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/13/21 12:43	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/13/21 12:43	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/13/21 12:43	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/13/21 12:43	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/13/21 12:43	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/13/21 12:43	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/13/21 12:43	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/13/21 12:43	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/13/21 12:43	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/13/21 12:43	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/13/21 12:43	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/13/21 12:43	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/13/21 12:43	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/13/21 12:43	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/13/21 12:43	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			08/13/21 12:43	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/13/21 12:43	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/13/21 12:43	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/13/21 12:43	1
Naphthalene	<0.34		1.0	0.34	ug/L			08/13/21 12:43	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/13/21 12:43	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			08/13/21 12:43	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			08/13/21 12:43	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			08/13/21 12:43	1
Styrene	<0.39		1.0	0.39	ug/L			08/13/21 12:43	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			08/13/21 12:43	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/13/21 12:43	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/13/21 12:43	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			08/13/21 12:43	1
Toluene	**0.63**		0.50	0.15	ug/L			08/13/21 12:43	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			08/13/21 12:43	1

Client: Ramboll US Corporation
Job ID: 500-203366-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: EB-01
Lab Sample ID: 500-203366-11
Date Collected: 08/03/21 17:15
Matrix: Water
Date Received: 08/05/21 09:45

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/13/21 12:43	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/13/21 12:43	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/13/21 12:43	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/13/21 12:43	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/13/21 12:43	1
Trichloroethene	<0.16		0.50	0.16	ug/L			08/13/21 12:43	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/13/21 12:43	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/13/21 12:43	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			08/13/21 12:43	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			08/13/21 12:43	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/13/21 12:43	1
Xylenes, Total	**0.23**	**J**	1.0	0.22	ug/L			08/13/21 12:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*72 - 124*		*08/13/21 12:43*	*1*
Dibromofluoromethane (Surr)	*91*		*75 - 120*		*08/13/21 12:43*	*1*
1,2-Dichloroethane-d4 (Surr)	*89*		*75 - 126*		*08/13/21 12:43*	*1*
Toluene-d8 (Surr)	*98*		*75 - 120*		*08/13/21 12:43*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.066		0.40	0.066	ug/L		08/06/21 19:21	08/09/21 18:16	1
PCB-1221	<0.20		0.40	0.20	ug/L		08/06/21 19:21	08/09/21 18:16	1
PCB-1232	<0.20		0.40	0.20	ug/L		08/06/21 19:21	08/09/21 18:16	1
PCB-1242	<0.20		0.40	0.20	ug/L		08/06/21 19:21	08/09/21 18:16	1
PCB-1248	<0.20		0.40	0.20	ug/L		08/06/21 19:21	08/09/21 18:16	1
PCB-1254	<0.20		0.40	0.20	ug/L		08/06/21 19:21	08/09/21 18:16	1
PCB-1260	<0.069		0.40	0.069	ug/L		08/06/21 19:21	08/09/21 18:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*99*		*30 - 120*	*08/06/21 19:21*	*08/09/21 18:16*	*1*
DCB Decachlorobiphenyl	*82*		*30 - 140*	*08/06/21 19:21*	*08/09/21 18:16*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.1		4.3	2.1	ng/L		08/09/21 05:29	08/13/21 20:23	1
Perfluoropentanoic acid (PFPeA)	<0.42		1.7	0.42	ng/L		08/09/21 05:29	08/13/21 20:23	1
Perfluorohexanoic acid (PFHxA)	<0.50		1.7	0.50	ng/L		08/09/21 05:29	08/13/21 20:23	1
Perfluoroheptanoic acid (PFHpA)	<0.22		1.7	0.22	ng/L		08/09/21 05:29	08/13/21 20:23	1
Perfluorooctanoic acid (PFOA)	<0.73		1.7	0.73	ng/L		08/09/21 05:29	08/13/21 20:23	1
Perfluorononanoic acid (PFNA)	<0.23		1.7	0.23	ng/L		08/09/21 05:29	08/13/21 20:23	1
Perfluorodecanoic acid (PFDA)	<0.27		1.7	0.27	ng/L		08/09/21 05:29	08/13/21 20:23	1
Perfluoroundecanoic acid (PFUnA)	<0.95		1.7	0.95	ng/L		08/09/21 05:29	08/13/21 20:23	1
Perfluorododecanoic acid (PFDoA)	<0.48		1.7	0.48	ng/L		08/09/21 05:29	08/13/21 20:23	1
Perfluorotridecanoic acid (PFTrDA)	<1.1		1.7	1.1	ng/L		08/09/21 05:29	08/13/21 20:23	1
Perfluorotetradecanoic acid (PFTeA)	<0.63		1.7	0.63	ng/L		08/09/21 05:29	08/13/21 20:23	1
Perfluorobutanesulfonic acid (PFBS)	<0.17		1.7	0.17	ng/L		08/09/21 05:29	08/13/21 20:23	1
Perfluoropentanesulfonic acid (PFPeS)	<0.26		1.7	0.26	ng/L		08/09/21 05:29	08/13/21 20:23	1
Perfluorohexanesulfonic acid (PFHxS)	<0.49		1.7	0.49	ng/L		08/09/21 05:29	08/13/21 20:23	1

Client: Ramboll US Corporation
Project/Site: Former Mirro 20 - Chilton 1690019558

Job ID: 500-203366-1

Client Sample ID: EB-01
Date Collected: 08/03/21 17:15
Date Received: 08/05/21 09:45

Lab Sample ID: 500-203366-11
Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoroheptanesulfonic Acid (PFHpS)	<0.16		1.7	0.16	ng/L		08/09/21 05:29	08/13/21 20:23	1
Perfluorooctanesulfonic acid (PFOS)	<0.47		1.7	0.47	ng/L		08/09/21 05:29	08/13/21 20:23	1
Perfluorononanesulfonic acid (PFNS)	<0.32		1.7	0.32	ng/L		08/09/21 05:29	08/13/21 20:23	1
Perfluorodecanesulfonic acid (PFDS)	<0.28		1.7	0.28	ng/L		08/09/21 05:29	08/13/21 20:23	1
Perfluorododecanesulfonic acid (PFDoS)	<0.84		1.7	0.84	ng/L		08/09/21 05:29	08/13/21 20:23	1
Perfluorooctanesulfonamide (FOSA)	<0.85		1.7	0.85	ng/L		08/09/21 05:29	08/13/21 20:23	1
NEtFOSA	<0.75		1.7	0.75	ng/L		08/09/21 05:29	08/13/21 20:23	1
NMeFOSA	<0.37		1.7	0.37	ng/L		08/09/21 05:29	08/13/21 20:23	1
NMeFOSAA	<1.0		4.3	1.0	ng/L		08/09/21 05:29	08/13/21 20:23	1
NEtFOSAA	<1.1		4.3	1.1	ng/L		08/09/21 05:29	08/13/21 20:23	1
NMeFOSE	<1.2		3.5	1.2	ng/L		08/09/21 05:29	08/13/21 20:23	1
NEtFOSE	<0.73		1.7	0.73	ng/L		08/09/21 05:29	08/13/21 20:23	1
4:2 FTS	<0.21		1.7	0.21	ng/L		08/09/21 05:29	08/13/21 20:23	1
6:2 FTS	<2.2		4.3	2.2	ng/L		08/09/21 05:29	08/13/21 20:23	1
8:2 FTS	<0.40		1.7	0.40	ng/L		08/09/21 05:29	08/13/21 20:23	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.35		1.7	0.35	ng/L		08/09/21 05:29	08/13/21 20:23	1
HFPO-DA (GenX)	<1.3		3.5	1.3	ng/L		08/09/21 05:29	08/13/21 20:23	1
9Cl-PF3ONS	<0.21		1.7	0.21	ng/L		08/09/21 05:29	08/13/21 20:23	1
11Cl-PF3OUdS	<0.28		1.7	0.28	ng/L		08/09/21 05:29	08/13/21 20:23	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*88*		*25 - 150*	*08/09/21 05:29*	*08/13/21 20:23*	*1*
13C5 PFPeA	*93*		*25 - 150*	*08/09/21 05:29*	*08/13/21 20:23*	*1*
13C2 PFHxA	*91*		*25 - 150*	*08/09/21 05:29*	*08/13/21 20:23*	*1*
13C4 PFHpA	*94*		*25 - 150*	*08/09/21 05:29*	*08/13/21 20:23*	*1*
13C4 PFOA	*89*		*25 - 150*	*08/09/21 05:29*	*08/13/21 20:23*	*1*
13C5 PFNA	*86*		*25 - 150*	*08/09/21 05:29*	*08/13/21 20:23*	*1*
13C2 PFDA	*97*		*25 - 150*	*08/09/21 05:29*	*08/13/21 20:23*	*1*
13C2 PFUnA	*99*		*25 - 150*	*08/09/21 05:29*	*08/13/21 20:23*	*1*
13C2 PFDoA	*95*		*25 - 150*	*08/09/21 05:29*	*08/13/21 20:23*	*1*
13C2 PFTeDA	*96*		*25 - 150*	*08/09/21 05:29*	*08/13/21 20:23*	*1*
13C3 PFBS	*104*		*25 - 150*	*08/09/21 05:29*	*08/13/21 20:23*	*1*
18O2 PFHxS	*94*		*25 - 150*	*08/09/21 05:29*	*08/13/21 20:23*	*1*
13C4 PFOS	*89*		*25 - 150*	*08/09/21 05:29*	*08/13/21 20:23*	*1*
13C8 FOSA	*91*		*10 - 150*	*08/09/21 05:29*	*08/13/21 20:23*	*1*
d3-NMeFOSAA	*90*		*25 - 150*	*08/09/21 05:29*	*08/13/21 20:23*	*1*
d5-NEtFOSAA	*99*		*25 - 150*	*08/09/21 05:29*	*08/13/21 20:23*	*1*
d-N-MeFOSA-M	*75*		*10 - 150*	*08/09/21 05:29*	*08/13/21 20:23*	*1*
d-N-EtFOSA-M	*72*		*10 - 150*	*08/09/21 05:29*	*08/13/21 20:23*	*1*
d7-N-MeFOSE-M	*76*		*10 - 150*	*08/09/21 05:29*	*08/13/21 20:23*	*1*
d9-N-EtFOSE-M	*86*		*10 - 150*	*08/09/21 05:29*	*08/13/21 20:23*	*1*
M2-4:2 FTS	*98*		*25 - 150*	*08/09/21 05:29*	*08/13/21 20:23*	*1*
M2-6:2 FTS	*98*		*25 - 150*	*08/09/21 05:29*	*08/13/21 20:23*	*1*
M2-8:2 FTS	*100*		*25 - 150*	*08/09/21 05:29*	*08/13/21 20:23*	*1*
13C3 HFPO-DA	*91*		*25 - 150*	*08/09/21 05:29*	*08/13/21 20:23*	*1*
13C2 10:2 FTS	*102*		*25 - 150*	*08/09/21 05:29*	*08/13/21 20:23*	*1*

Client: Ramboll US Corporation
Job ID: 500-203366-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: EB-01
Lab Sample ID: 500-203366-11
Date Collected: 08/03/21 17:15
Matrix: Water
Date Received: 08/05/21 09:45

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**1.8**	**B**	1.0	0.23	ug/L		08/09/21 08:40	08/09/21 22:12	1
Barium	<0.73		2.5	0.73	ug/L		08/09/21 08:40	08/09/21 22:12	1
Cadmium	<0.17		0.50	0.17	ug/L		08/09/21 08:40	08/09/21 22:12	1
Chromium	<1.1		5.0	1.1	ug/L		08/09/21 08:40	08/09/21 22:12	1
Lead	<0.19		0.50	0.19	ug/L		08/09/21 08:40	08/09/21 22:12	1
Selenium	**2.4**	**J B ^+**	2.5	0.98	ug/L		08/09/21 08:40	08/10/21 20:25	1
Silver	<0.12		0.50	0.12	ug/L		08/09/21 08:40	08/09/21 22:12	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.098		0.20	0.098	ug/L		08/13/21 10:05	08/16/21 09:10	1

Client: Ramboll US Corporation
Project/Site: Former Mirro 20 - Chilton 1690019558

Job ID: 500-203366-1

Client Sample ID: B-5A
Date Collected: 08/03/21 07:45
Date Received: 08/05/21 09:45

Lab Sample ID: 500-203366-12
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			08/13/21 13:09	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/13/21 13:09	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/13/21 13:09	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/13/21 13:09	1
Bromoform	<0.48		1.0	0.48	ug/L			08/13/21 13:09	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/13/21 13:09	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			08/13/21 13:09	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/13/21 13:09	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/13/21 13:09	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/13/21 13:09	1
Chloroform	<0.37		2.0	0.37	ug/L			08/13/21 13:09	1
Chloromethane	<0.32		1.0	0.32	ug/L			08/13/21 13:09	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/13/21 13:09	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/13/21 13:09	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			08/13/21 13:09	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/13/21 13:09	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/13/21 13:09	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/13/21 13:09	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/13/21 13:09	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/13/21 13:09	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/13/21 13:09	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/13/21 13:09	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/13/21 13:09	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/13/21 13:09	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/13/21 13:09	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/13/21 13:09	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/13/21 13:09	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/13/21 13:09	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/13/21 13:09	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/13/21 13:09	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/13/21 13:09	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/13/21 13:09	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/13/21 13:09	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			08/13/21 13:09	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/13/21 13:09	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/13/21 13:09	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/13/21 13:09	1
Naphthalene	<0.34		1.0	0.34	ug/L			08/13/21 13:09	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/13/21 13:09	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			08/13/21 13:09	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			08/13/21 13:09	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			08/13/21 13:09	1
Styrene	<0.39		1.0	0.39	ug/L			08/13/21 13:09	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			08/13/21 13:09	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/13/21 13:09	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/13/21 13:09	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			08/13/21 13:09	1
Toluene	**0.15**	**J**	0.50	0.15	ug/L			08/13/21 13:09	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			08/13/21 13:09	1

Client Sample ID: B-5A
Lab Sample ID: 500-203366-12
Date Collected: 08/03/21 07:45
Matrix: Water
Date Received: 08/05/21 09:45

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/13/21 13:09	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/13/21 13:09	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/13/21 13:09	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/13/21 13:09	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/13/21 13:09	1
Trichloroethene	<0.16		0.50	0.16	ug/L			08/13/21 13:09	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/13/21 13:09	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/13/21 13:09	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			08/13/21 13:09	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			08/13/21 13:09	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/13/21 13:09	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			08/13/21 13:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*72 - 124*		*08/13/21 13:09*	*1*
Dibromofluoromethane (Surr)	*91*		*75 - 120*		*08/13/21 13:09*	*1*
1,2-Dichloroethane-d4 (Surr)	*90*		*75 - 126*		*08/13/21 13:09*	*1*
Toluene-d8 (Surr)	*100*		*75 - 120*		*08/13/21 13:09*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**6.1**		4.7	2.3	ng/L		08/09/21 05:29	08/13/21 20:32	1
Perfluoropentanoic acid (PFPeA)	**0.55**	**J**	1.9	0.46	ng/L		08/09/21 05:29	08/13/21 20:32	1
Perfluorohexanoic acid (PFHxA)	**0.70**	**J**	1.9	0.55	ng/L		08/09/21 05:29	08/13/21 20:32	1
Perfluoroheptanoic acid (PFHpA)	**0.26**	**J**	1.9	0.24	ng/L		08/09/21 05:29	08/13/21 20:32	1
Perfluorooctanoic acid (PFOA)	**1.1**	**J**	1.9	0.81	ng/L		08/09/21 05:29	08/13/21 20:32	1
Perfluorononanoic acid (PFNA)	<0.26		1.9	0.26	ng/L		08/09/21 05:29	08/13/21 20:32	1
Perfluorodecanoic acid (PFDA)	<0.29		1.9	0.29	ng/L		08/09/21 05:29	08/13/21 20:32	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		08/09/21 05:29	08/13/21 20:32	1
Perfluorododecanoic acid (PFDoA)	<0.52		1.9	0.52	ng/L		08/09/21 05:29	08/13/21 20:32	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.9	1.2	ng/L		08/09/21 05:29	08/13/21 20:32	1
Perfluorotetradecanoic acid (PFTeA)	<0.69		1.9	0.69	ng/L		08/09/21 05:29	08/13/21 20:32	1
Perfluorobutanesulfonic acid (PFBS)	**1.1**	**J**	1.9	0.19	ng/L		08/09/21 05:29	08/13/21 20:32	1
Perfluoropentanesulfonic acid (PFPeS)	<0.28		1.9	0.28	ng/L		08/09/21 05:29	08/13/21 20:32	1
Perfluorohexanesulfonic acid (PFHxS)	**1.5**	**J**	1.9	0.54	ng/L		08/09/21 05:29	08/13/21 20:32	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.18		1.9	0.18	ng/L		08/09/21 05:29	08/13/21 20:32	1
Perfluorooctanesulfonic acid (PFOS)	**8.9**		1.9	0.51	ng/L		08/09/21 05:29	08/13/21 20:32	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		08/09/21 05:29	08/13/21 20:32	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		08/09/21 05:29	08/13/21 20:32	1
Perfluorododecanesulfonic acid (PFDoS)	<0.92		1.9	0.92	ng/L		08/09/21 05:29	08/13/21 20:32	1
Perfluorooctanesulfonamide (FOSA)	<0.93		1.9	0.93	ng/L		08/09/21 05:29	08/13/21 20:32	1
NEtFOSA	<0.82		1.9	0.82	ng/L		08/09/21 05:29	08/13/21 20:32	1
NMeFOSA	<0.41		1.9	0.41	ng/L		08/09/21 05:29	08/13/21 20:32	1
NMeFOSAA	<1.1		4.7	1.1	ng/L		08/09/21 05:29	08/13/21 20:32	1
NEtFOSAA	<1.2		4.7	1.2	ng/L		08/09/21 05:29	08/13/21 20:32	1

Client Sample ID: B-5A
Lab Sample ID: 500-203366-12
Date Collected: 08/03/21 07:45
Matrix: Water
Date Received: 08/05/21 09:45

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
NMeFOSE	<1.3		3.8	1.3	ng/L		08/09/21 05:29	08/13/21 20:32	1
NEtFOSE	<0.81		1.9	0.81	ng/L		08/09/21 05:29	08/13/21 20:32	1
4:2 FTS	<0.23		1.9	0.23	ng/L		08/09/21 05:29	08/13/21 20:32	1
6:2 FTS	<2.4		4.7	2.4	ng/L		08/09/21 05:29	08/13/21 20:32	1
8:2 FTS	<0.44		1.9	0.44	ng/L		08/09/21 05:29	08/13/21 20:32	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.38		1.9	0.38	ng/L		08/09/21 05:29	08/13/21 20:32	1
HFPO-DA (GenX)	<1.4		3.8	1.4	ng/L		08/09/21 05:29	08/13/21 20:32	1
9Cl-PF3ONS	<0.23		1.9	0.23	ng/L		08/09/21 05:29	08/13/21 20:32	1
11Cl-PF3OUdS	<0.30		1.9	0.30	ng/L		08/09/21 05:29	08/13/21 20:32	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*80*		*25 - 150*	*08/09/21 05:29*	*08/13/21 20:32*	*1*
13C5 PFPeA	*92*		*25 - 150*	*08/09/21 05:29*	*08/13/21 20:32*	*1*
13C2 PFHxA	*92*		*25 - 150*	*08/09/21 05:29*	*08/13/21 20:32*	*1*
13C4 PFHpA	*101*		*25 - 150*	*08/09/21 05:29*	*08/13/21 20:32*	*1*
13C4 PFOA	*96*		*25 - 150*	*08/09/21 05:29*	*08/13/21 20:32*	*1*
13C5 PFNA	*93*		*25 - 150*	*08/09/21 05:29*	*08/13/21 20:32*	*1*
13C2 PFDA	*101*		*25 - 150*	*08/09/21 05:29*	*08/13/21 20:32*	*1*
13C2 PFUnA	*93*		*25 - 150*	*08/09/21 05:29*	*08/13/21 20:32*	*1*
13C2 PFDoA	*77*		*25 - 150*	*08/09/21 05:29*	*08/13/21 20:32*	*1*
13C2 PFTeDA	*88*		*25 - 150*	*08/09/21 05:29*	*08/13/21 20:32*	*1*
13C3 PFBS	*100*		*25 - 150*	*08/09/21 05:29*	*08/13/21 20:32*	*1*
18O2 PFHxS	*93*		*25 - 150*	*08/09/21 05:29*	*08/13/21 20:32*	*1*
13C4 PFOS	*89*		*25 - 150*	*08/09/21 05:29*	*08/13/21 20:32*	*1*
13C8 FOSA	*92*		*10 - 150*	*08/09/21 05:29*	*08/13/21 20:32*	*1*
d3-NMeFOSAA	*83*		*25 - 150*	*08/09/21 05:29*	*08/13/21 20:32*	*1*
d5-NEtFOSAA	*87*		*25 - 150*	*08/09/21 05:29*	*08/13/21 20:32*	*1*
d-N-MeFOSA-M	*74*		*10 - 150*	*08/09/21 05:29*	*08/13/21 20:32*	*1*
d-N-EtFOSA-M	*69*		*10 - 150*	*08/09/21 05:29*	*08/13/21 20:32*	*1*
d7-N-MeFOSE-M	*71*		*10 - 150*	*08/09/21 05:29*	*08/13/21 20:32*	*1*
d9-N-EtFOSE-M	*74*		*10 - 150*	*08/09/21 05:29*	*08/13/21 20:32*	*1*
M2-4:2 FTS	*102*		*25 - 150*	*08/09/21 05:29*	*08/13/21 20:32*	*1*
M2-6:2 FTS	*117*		*25 - 150*	*08/09/21 05:29*	*08/13/21 20:32*	*1*
M2-8:2 FTS	*99*		*25 - 150*	*08/09/21 05:29*	*08/13/21 20:32*	*1*
13C3 HFPO-DA	*98*		*25 - 150*	*08/09/21 05:29*	*08/13/21 20:32*	*1*
13C2 10:2 FTS	*87*		*25 - 150*	*08/09/21 05:29*	*08/13/21 20:32*	*1*

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.91**	**J B**	1.0	0.23	ug/L		08/09/21 08:40	08/09/21 22:16	1
Barium	**50**		2.5	0.73	ug/L		08/09/21 08:40	08/09/21 22:16	1
Cadmium	<0.17		0.50	0.17	ug/L		08/09/21 08:40	08/09/21 22:16	1
Chromium	<1.1		5.0	1.1	ug/L		08/09/21 08:40	08/09/21 22:16	1
Lead	<0.19		0.50	0.19	ug/L		08/09/21 08:40	08/09/21 22:16	1
Selenium	**1.1**	**J B ^+**	2.5	0.98	ug/L		08/09/21 08:40	08/10/21 20:28	1
Silver	<0.12		0.50	0.12	ug/L		08/09/21 08:40	08/09/21 22:16	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.098		0.20	0.098	ug/L		08/13/21 10:05	08/16/21 09:16	1

Client: Ramboll US Corporation
Project/Site: Former Mirro 20 - Chilton 1690019558

Job ID: 500-203366-1

Client Sample ID: B-9
Date Collected: 08/03/21 08:55
Date Received: 08/05/21 09:45

Lab Sample ID: 500-203366-13
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			08/13/21 13:35	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/13/21 13:35	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/13/21 13:35	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/13/21 13:35	1
Bromoform	<0.48		1.0	0.48	ug/L			08/13/21 13:35	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/13/21 13:35	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			08/13/21 13:35	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/13/21 13:35	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/13/21 13:35	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/13/21 13:35	1
Chloroform	<0.37		2.0	0.37	ug/L			08/13/21 13:35	1
Chloromethane	<0.32		1.0	0.32	ug/L			08/13/21 13:35	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/13/21 13:35	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/13/21 13:35	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			08/13/21 13:35	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/13/21 13:35	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/13/21 13:35	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/13/21 13:35	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/13/21 13:35	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/13/21 13:35	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/13/21 13:35	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/13/21 13:35	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/13/21 13:35	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/13/21 13:35	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/13/21 13:35	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/13/21 13:35	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/13/21 13:35	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/13/21 13:35	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/13/21 13:35	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/13/21 13:35	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/13/21 13:35	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/13/21 13:35	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/13/21 13:35	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			08/13/21 13:35	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/13/21 13:35	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/13/21 13:35	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/13/21 13:35	1
Naphthalene	<0.34		1.0	0.34	ug/L			08/13/21 13:35	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/13/21 13:35	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			08/13/21 13:35	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			08/13/21 13:35	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			08/13/21 13:35	1
Styrene	<0.39		1.0	0.39	ug/L			08/13/21 13:35	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			08/13/21 13:35	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/13/21 13:35	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/13/21 13:35	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			08/13/21 13:35	1
Toluene	<0.15		0.50	0.15	ug/L			08/13/21 13:35	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			08/13/21 13:35	1

Client Sample ID: B-9
Lab Sample ID: 500-203366-13
Date Collected: 08/03/21 08:55
Matrix: Water
Date Received: 08/05/21 09:45

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/13/21 13:35	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/13/21 13:35	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/13/21 13:35	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/13/21 13:35	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/13/21 13:35	1
Trichloroethene	<0.16		0.50	0.16	ug/L			08/13/21 13:35	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/13/21 13:35	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/13/21 13:35	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			08/13/21 13:35	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			08/13/21 13:35	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/13/21 13:35	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			08/13/21 13:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*72 - 124*		*08/13/21 13:35*	*1*
Dibromofluoromethane (Surr)	*90*		*75 - 120*		*08/13/21 13:35*	*1*
1,2-Dichloroethane-d4 (Surr)	*89*		*75 - 126*		*08/13/21 13:35*	*1*
Toluene-d8 (Surr)	*100*		*75 - 120*		*08/13/21 13:35*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.065		0.39	0.065	ug/L		08/06/21 19:21	08/09/21 18:32	1
PCB-1221	<0.20		0.39	0.20	ug/L		08/06/21 19:21	08/09/21 18:32	1
PCB-1232	<0.20		0.39	0.20	ug/L		08/06/21 19:21	08/09/21 18:32	1
PCB-1242	<0.20		0.39	0.20	ug/L		08/06/21 19:21	08/09/21 18:32	1
PCB-1248	<0.20		0.39	0.20	ug/L		08/06/21 19:21	08/09/21 18:32	1
PCB-1254	<0.20		0.39	0.20	ug/L		08/06/21 19:21	08/09/21 18:32	1
PCB-1260	<0.068		0.39	0.068	ug/L		08/06/21 19:21	08/09/21 18:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*91*		*30 - 120*	*08/06/21 19:21*	*08/09/21 18:32*	*1*
DCB Decachlorobiphenyl	*108*		*30 - 140*	*08/06/21 19:21*	*08/09/21 18:32*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.2		4.6	2.2	ng/L		08/09/21 05:29	08/13/21 20:41	1
Perfluoropentanoic acid (PFPeA)	<0.45		1.8	0.45	ng/L		08/09/21 05:29	08/13/21 20:41	1
Perfluorohexanoic acid (PFHxA)	**0.57**	**J**	1.8	0.53	ng/L		08/09/21 05:29	08/13/21 20:41	1
Perfluoroheptanoic acid (PFHpA)	<0.23		1.8	0.23	ng/L		08/09/21 05:29	08/13/21 20:41	1
Perfluorooctanoic acid (PFOA)	<0.78		1.8	0.78	ng/L		08/09/21 05:29	08/13/21 20:41	1
Perfluorononanoic acid (PFNA)	<0.25		1.8	0.25	ng/L		08/09/21 05:29	08/13/21 20:41	1
Perfluorodecanoic acid (PFDA)	<0.28		1.8	0.28	ng/L		08/09/21 05:29	08/13/21 20:41	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.8	1.0	ng/L		08/09/21 05:29	08/13/21 20:41	1
Perfluorododecanoic acid (PFDoA)	<0.50		1.8	0.50	ng/L		08/09/21 05:29	08/13/21 20:41	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.8	1.2	ng/L		08/09/21 05:29	08/13/21 20:41	1
Perfluorotetradecanoic acid (PFTeA)	<0.67		1.8	0.67	ng/L		08/09/21 05:29	08/13/21 20:41	1
Perfluorobutanesulfonic acid (PFBS)	**1.0**	**J**	1.8	0.18	ng/L		08/09/21 05:29	08/13/21 20:41	1
Perfluoropentanesulfonic acid (PFPeS)	<0.28		1.8	0.28	ng/L		08/09/21 05:29	08/13/21 20:41	1

Client: Ramboll US Corporation
Job ID: 500-203366-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: B-9
Lab Sample ID: 500-203366-13
Date Collected: 08/03/21 08:55
Matrix: Water
Date Received: 08/05/21 09:45

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanesulfonic acid (PFHxS)	**1.5**	**J**	1.8	0.52	ng/L		08/09/21 05:29	08/13/21 20:41	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.17		1.8	0.17	ng/L		08/09/21 05:29	08/13/21 20:41	1
Perfluorooctanesulfonic acid (PFOS)	**3.0**		1.8	0.50	ng/L		08/09/21 05:29	08/13/21 20:41	1
Perfluorononanesulfonic acid (PFNS)	<0.34		1.8	0.34	ng/L		08/09/21 05:29	08/13/21 20:41	1
Perfluorodecanesulfonic acid (PFDS)	<0.29		1.8	0.29	ng/L		08/09/21 05:29	08/13/21 20:41	1
Perfluorododecanesulfonic acid (PFDoS)	<0.89		1.8	0.89	ng/L		08/09/21 05:29	08/13/21 20:41	1
Perfluorooctanesulfonamide (FOSA)	<0.90		1.8	0.90	ng/L		08/09/21 05:29	08/13/21 20:41	1
NEtFOSA	<0.80		1.8	0.80	ng/L		08/09/21 05:29	08/13/21 20:41	1
NMeFOSA	<0.39		1.8	0.39	ng/L		08/09/21 05:29	08/13/21 20:41	1
NMeFOSAA	<1.1		4.6	1.1	ng/L		08/09/21 05:29	08/13/21 20:41	1
NEtFOSAA	<1.2		4.6	1.2	ng/L		08/09/21 05:29	08/13/21 20:41	1
NMeFOSE	<1.3		3.7	1.3	ng/L		08/09/21 05:29	08/13/21 20:41	1
NEtFOSE	<0.78		1.8	0.78	ng/L		08/09/21 05:29	08/13/21 20:41	1
4:2 FTS	<0.22		1.8	0.22	ng/L		08/09/21 05:29	08/13/21 20:41	1
6:2 FTS	<2.3		4.6	2.3	ng/L		08/09/21 05:29	08/13/21 20:41	1
8:2 FTS	<0.42		1.8	0.42	ng/L		08/09/21 05:29	08/13/21 20:41	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.37		1.8	0.37	ng/L		08/09/21 05:29	08/13/21 20:41	1
HFPO-DA (GenX)	<1.4		3.7	1.4	ng/L		08/09/21 05:29	08/13/21 20:41	1
9Cl-PF3ONS	<0.22		1.8	0.22	ng/L		08/09/21 05:29	08/13/21 20:41	1
11Cl-PF3OUdS	<0.29		1.8	0.29	ng/L		08/09/21 05:29	08/13/21 20:41	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*82*		*25 - 150*	*08/09/21 05:29*	*08/13/21 20:41*	*1*
13C5 PFPeA	*92*		*25 - 150*	*08/09/21 05:29*	*08/13/21 20:41*	*1*
13C2 PFHxA	*90*		*25 - 150*	*08/09/21 05:29*	*08/13/21 20:41*	*1*
13C4 PFHpA	*95*		*25 - 150*	*08/09/21 05:29*	*08/13/21 20:41*	*1*
13C4 PFOA	*93*		*25 - 150*	*08/09/21 05:29*	*08/13/21 20:41*	*1*
13C5 PFNA	*96*		*25 - 150*	*08/09/21 05:29*	*08/13/21 20:41*	*1*
13C2 PFDA	*100*		*25 - 150*	*08/09/21 05:29*	*08/13/21 20:41*	*1*
13C2 PFUnA	*97*		*25 - 150*	*08/09/21 05:29*	*08/13/21 20:41*	*1*
13C2 PFDoA	*89*		*25 - 150*	*08/09/21 05:29*	*08/13/21 20:41*	*1*
13C2 PFTeDA	*86*		*25 - 150*	*08/09/21 05:29*	*08/13/21 20:41*	*1*
13C3 PFBS	*97*		*25 - 150*	*08/09/21 05:29*	*08/13/21 20:41*	*1*
18O2 PFHxS	*94*		*25 - 150*	*08/09/21 05:29*	*08/13/21 20:41*	*1*
13C4 PFOS	*86*		*25 - 150*	*08/09/21 05:29*	*08/13/21 20:41*	*1*
13C8 FOSA	*93*		*10 - 150*	*08/09/21 05:29*	*08/13/21 20:41*	*1*
d3-NMeFOSAA	*86*		*25 - 150*	*08/09/21 05:29*	*08/13/21 20:41*	*1*
d5-NEtFOSAA	*94*		*25 - 150*	*08/09/21 05:29*	*08/13/21 20:41*	*1*
d-N-MeFOSA-M	*73*		*10 - 150*	*08/09/21 05:29*	*08/13/21 20:41*	*1*
d-N-EtFOSA-M	*68*		*10 - 150*	*08/09/21 05:29*	*08/13/21 20:41*	*1*
d7-N-MeFOSE-M	*76*		*10 - 150*	*08/09/21 05:29*	*08/13/21 20:41*	*1*
d9-N-EtFOSE-M	*82*		*10 - 150*	*08/09/21 05:29*	*08/13/21 20:41*	*1*
M2-4:2 FTS	*101*		*25 - 150*	*08/09/21 05:29*	*08/13/21 20:41*	*1*
M2-6:2 FTS	*113*		*25 - 150*	*08/09/21 05:29*	*08/13/21 20:41*	*1*
M2-8:2 FTS	*99*		*25 - 150*	*08/09/21 05:29*	*08/13/21 20:41*	*1*
13C3 HFPO-DA	*95*		*25 - 150*	*08/09/21 05:29*	*08/13/21 20:41*	*1*

Client: Ramboll US Corporation
Job ID: 500-203366-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: B-9
Lab Sample ID: 500-203366-13
Date Collected: 08/03/21 08:55
Matrix: Water
Date Received: 08/05/21 09:45

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C2 10:2 FTS	*101*		*25 - 150*	*08/09/21 05:29*	*08/13/21 20:41*	*1*

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**1.0**	**B**	1.0	0.23	ug/L		08/09/21 08:40	08/09/21 22:19	1
Barium	**45**		2.5	0.73	ug/L		08/09/21 08:40	08/09/21 22:19	1
Cadmium	<0.17		0.50	0.17	ug/L		08/09/21 08:40	08/09/21 22:19	1
Chromium	<1.1		5.0	1.1	ug/L		08/09/21 08:40	08/09/21 22:19	1
Lead	<0.19		0.50	0.19	ug/L		08/09/21 08:40	08/09/21 22:19	1
Selenium	**1.5**	**J B ^+**	2.5	0.98	ug/L		08/09/21 08:40	08/10/21 20:31	1
Silver	<0.12		0.50	0.12	ug/L		08/09/21 08:40	08/09/21 22:19	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.098		0.20	0.098	ug/L		08/13/21 10:05	08/16/21 09:18	1

Client: Ramboll US Corporation
Project/Site: Former Mirro 20 - Chilton 1690019558

Job ID: 500-203366-1

Client Sample ID: B-12
Date Collected: 08/03/21 10:00
Date Received: 08/05/21 09:45

Lab Sample ID: 500-203366-14
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			08/13/21 14:01	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/13/21 14:01	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/13/21 14:01	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/13/21 14:01	1
Bromoform	<0.48		1.0	0.48	ug/L			08/13/21 14:01	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/13/21 14:01	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			08/13/21 14:01	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/13/21 14:01	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/13/21 14:01	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/13/21 14:01	1
Chloroform	<0.37		2.0	0.37	ug/L			08/13/21 14:01	1
Chloromethane	**0.49**	**J**	1.0	0.32	ug/L			08/13/21 14:01	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/13/21 14:01	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/13/21 14:01	1
cis-1,2-Dichloroethene	**51**		1.0	0.41	ug/L			08/13/21 14:01	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/13/21 14:01	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/13/21 14:01	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/13/21 14:01	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/13/21 14:01	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/13/21 14:01	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/13/21 14:01	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/13/21 14:01	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/13/21 14:01	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/13/21 14:01	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/13/21 14:01	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/13/21 14:01	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/13/21 14:01	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/13/21 14:01	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/13/21 14:01	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/13/21 14:01	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/13/21 14:01	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/13/21 14:01	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/13/21 14:01	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			08/13/21 14:01	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/13/21 14:01	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/13/21 14:01	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/13/21 14:01	1
Naphthalene	<0.34		1.0	0.34	ug/L			08/13/21 14:01	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/13/21 14:01	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			08/13/21 14:01	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			08/13/21 14:01	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			08/13/21 14:01	1
Styrene	<0.39		1.0	0.39	ug/L			08/13/21 14:01	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			08/13/21 14:01	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/13/21 14:01	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/13/21 14:01	1
Tetrachloroethene	**2.7**		1.0	0.37	ug/L			08/13/21 14:01	1
Toluene	**0.16**	**J**	0.50	0.15	ug/L			08/13/21 14:01	1
trans-1,2-Dichloroethene	**1.0**		1.0	0.35	ug/L			08/13/21 14:01	1

Client: Ramboll US Corporation
Job ID: 500-203366-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: B-12
Lab Sample ID: 500-203366-14
Date Collected: 08/03/21 10:00
Matrix: Water
Date Received: 08/05/21 09:45

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/13/21 14:01	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/13/21 14:01	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/13/21 14:01	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/13/21 14:01	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/13/21 14:01	1
Trichloroethene	**5.5**		0.50	0.16	ug/L			08/13/21 14:01	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/13/21 14:01	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/13/21 14:01	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			08/13/21 14:01	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			08/13/21 14:01	1
Vinyl chloride	**0.22**	**J**	1.0	0.20	ug/L			08/13/21 14:01	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			08/13/21 14:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*72 - 124*		*08/13/21 14:01*	*1*
Dibromofluoromethane (Surr)	*93*		*75 - 120*		*08/13/21 14:01*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 126*		*08/13/21 14:01*	*1*
Toluene-d8 (Surr)	*99*		*75 - 120*		*08/13/21 14:01*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.2		4.5	2.2	ng/L		08/09/21 05:29	08/13/21 20:50	1
Perfluoropentanoic acid (PFPeA)	<0.44		1.8	0.44	ng/L		08/09/21 05:29	08/13/21 20:50	1
Perfluorohexanoic acid (PFHxA)	**0.57**	**J**	1.8	0.52	ng/L		08/09/21 05:29	08/13/21 20:50	1
Perfluoroheptanoic acid (PFHpA)	<0.23		1.8	0.23	ng/L		08/09/21 05:29	08/13/21 20:50	1
Perfluorooctanoic acid (PFOA)	**5.0**		1.8	0.77	ng/L		08/09/21 05:29	08/13/21 20:50	1
Perfluorononanoic acid (PFNA)	<0.24		1.8	0.24	ng/L		08/09/21 05:29	08/13/21 20:50	1
Perfluorodecanoic acid (PFDA)	**0.28**	**J**	1.8	0.28	ng/L		08/09/21 05:29	08/13/21 20:50	1
Perfluoroundecanoic acid (PFUnA)	<0.99		1.8	0.99	ng/L		08/09/21 05:29	08/13/21 20:50	1
Perfluorododecanoic acid (PFDoA)	<0.50		1.8	0.50	ng/L		08/09/21 05:29	08/13/21 20:50	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.8	1.2	ng/L		08/09/21 05:29	08/13/21 20:50	1
Perfluorotetradecanoic acid (PFTeA)	<0.66		1.8	0.66	ng/L		08/09/21 05:29	08/13/21 20:50	1
Perfluorobutanesulfonic acid (PFBS)	**0.88**	**J**	1.8	0.18	ng/L		08/09/21 05:29	08/13/21 20:50	1
Perfluoropentanesulfonic acid (PFPeS)	<0.27		1.8	0.27	ng/L		08/09/21 05:29	08/13/21 20:50	1
Perfluorohexanesulfonic acid (PFHxS)	**2.6**		1.8	0.51	ng/L		08/09/21 05:29	08/13/21 20:50	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.17		1.8	0.17	ng/L		08/09/21 05:29	08/13/21 20:50	1
Perfluorooctanesulfonic acid (PFOS)	**1.6**	**J**	1.8	0.49	ng/L		08/09/21 05:29	08/13/21 20:50	1
Perfluorononanesulfonic acid (PFNS)	<0.33		1.8	0.33	ng/L		08/09/21 05:29	08/13/21 20:50	1
Perfluorodecanesulfonic acid (PFDS)	<0.29		1.8	0.29	ng/L		08/09/21 05:29	08/13/21 20:50	1
Perfluorododecanesulfonic acid (PFDoS)	<0.87		1.8	0.87	ng/L		08/09/21 05:29	08/13/21 20:50	1
Perfluorooctanesulfonamide (FOSA)	<0.88		1.8	0.88	ng/L		08/09/21 05:29	08/13/21 20:50	1
NEtFOSA	<0.78		1.8	0.78	ng/L		08/09/21 05:29	08/13/21 20:50	1
NMeFOSA	<0.39		1.8	0.39	ng/L		08/09/21 05:29	08/13/21 20:50	1
NMeFOSAA	<1.1		4.5	1.1	ng/L		08/09/21 05:29	08/13/21 20:50	1
NEtFOSAA	<1.2		4.5	1.2	ng/L		08/09/21 05:29	08/13/21 20:50	1

Client Sample ID: B-12
Date Collected: 08/03/21 10:00
Date Received: 08/05/21 09:45

Lab Sample ID: 500-203366-14
Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
NMeFOSE	<1.3		3.6	1.3	ng/L		08/09/21 05:29	08/13/21 20:50	1
NEtFOSE	<0.77		1.8	0.77	ng/L		08/09/21 05:29	08/13/21 20:50	1
4:2 FTS	<0.22		1.8	0.22	ng/L		08/09/21 05:29	08/13/21 20:50	1
6:2 FTS	<2.3		4.5	2.3	ng/L		08/09/21 05:29	08/13/21 20:50	1
8:2 FTS	<0.41		1.8	0.41	ng/L		08/09/21 05:29	08/13/21 20:50	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.36		1.8	0.36	ng/L		08/09/21 05:29	08/13/21 20:50	1
HFPO-DA (GenX)	<1.4		3.6	1.4	ng/L		08/09/21 05:29	08/13/21 20:50	1
9Cl-PF3ONS	<0.22		1.8	0.22	ng/L		08/09/21 05:29	08/13/21 20:50	1
11Cl-PF3OUdS	<0.29		1.8	0.29	ng/L		08/09/21 05:29	08/13/21 20:50	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*81*		*25 - 150*	*08/09/21 05:29*	*08/13/21 20:50*	*1*
13C5 PFPeA	*89*		*25 - 150*	*08/09/21 05:29*	*08/13/21 20:50*	*1*
13C2 PFHxA	*88*		*25 - 150*	*08/09/21 05:29*	*08/13/21 20:50*	*1*
13C4 PFHpA	*96*		*25 - 150*	*08/09/21 05:29*	*08/13/21 20:50*	*1*
13C4 PFOA	*88*		*25 - 150*	*08/09/21 05:29*	*08/13/21 20:50*	*1*
13C5 PFNA	*93*		*25 - 150*	*08/09/21 05:29*	*08/13/21 20:50*	*1*
13C2 PFDA	*99*		*25 - 150*	*08/09/21 05:29*	*08/13/21 20:50*	*1*
13C2 PFUnA	*92*		*25 - 150*	*08/09/21 05:29*	*08/13/21 20:50*	*1*
13C2 PFDoA	*86*		*25 - 150*	*08/09/21 05:29*	*08/13/21 20:50*	*1*
13C2 PFTeDA	*94*		*25 - 150*	*08/09/21 05:29*	*08/13/21 20:50*	*1*
13C3 PFBS	*104*		*25 - 150*	*08/09/21 05:29*	*08/13/21 20:50*	*1*
18O2 PFHxS	*89*		*25 - 150*	*08/09/21 05:29*	*08/13/21 20:50*	*1*
13C4 PFOS	*88*		*25 - 150*	*08/09/21 05:29*	*08/13/21 20:50*	*1*
13C8 FOSA	*90*		*10 - 150*	*08/09/21 05:29*	*08/13/21 20:50*	*1*
d3-NMeFOSAA	*85*		*25 - 150*	*08/09/21 05:29*	*08/13/21 20:50*	*1*
d5-NEtFOSAA	*88*		*25 - 150*	*08/09/21 05:29*	*08/13/21 20:50*	*1*
d-N-MeFOSA-M	*71*		*10 - 150*	*08/09/21 05:29*	*08/13/21 20:50*	*1*
d-N-EtFOSA-M	*67*		*10 - 150*	*08/09/21 05:29*	*08/13/21 20:50*	*1*
d7-N-MeFOSE-M	*78*		*10 - 150*	*08/09/21 05:29*	*08/13/21 20:50*	*1*
d9-N-EtFOSE-M	*79*		*10 - 150*	*08/09/21 05:29*	*08/13/21 20:50*	*1*
M2-4:2 FTS	*91*		*25 - 150*	*08/09/21 05:29*	*08/13/21 20:50*	*1*
M2-6:2 FTS	*96*		*25 - 150*	*08/09/21 05:29*	*08/13/21 20:50*	*1*
M2-8:2 FTS	*90*		*25 - 150*	*08/09/21 05:29*	*08/13/21 20:50*	*1*
13C3 HFPO-DA	*91*		*25 - 150*	*08/09/21 05:29*	*08/13/21 20:50*	*1*
13C2 10:2 FTS	*94*		*25 - 150*	*08/09/21 05:29*	*08/13/21 20:50*	*1*

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**3.7**	**B**	1.0	0.23	ug/L		08/09/21 08:40	08/09/21 22:22	1
Barium	**94**		2.5	0.73	ug/L		08/09/21 08:40	08/09/21 22:22	1
Cadmium	<0.17		0.50	0.17	ug/L		08/09/21 08:40	08/09/21 22:22	1
Chromium	<1.1		5.0	1.1	ug/L		08/09/21 08:40	08/09/21 22:22	1
Lead	<0.19		0.50	0.19	ug/L		08/09/21 08:40	08/09/21 22:22	1
Selenium	**2.4**	**J B ^+**	2.5	0.98	ug/L		08/09/21 08:40	08/10/21 20:34	1
Silver	<0.12		0.50	0.12	ug/L		08/09/21 08:40	08/09/21 22:22	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.098		0.20	0.098	ug/L		08/13/21 10:05	08/16/21 09:20	1

Client: Ramboll US Corporation
Project/Site: Former Mirro 20 - Chilton 1690019558

Job ID: 500-203366-1

Client Sample ID: MW-2

Date Collected: 08/03/21 11:25
Date Received: 08/05/21 09:45

Lab Sample ID: 500-203366-15

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			08/13/21 14:27	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/13/21 14:27	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/13/21 14:27	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/13/21 14:27	1
Bromoform	<0.48		1.0	0.48	ug/L			08/13/21 14:27	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/13/21 14:27	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			08/13/21 14:27	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/13/21 14:27	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/13/21 14:27	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/13/21 14:27	1
Chloroform	<0.37		2.0	0.37	ug/L			08/13/21 14:27	1
Chloromethane	<0.32		1.0	0.32	ug/L			08/13/21 14:27	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/13/21 14:27	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/13/21 14:27	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			08/13/21 14:27	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/13/21 14:27	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/13/21 14:27	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/13/21 14:27	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/13/21 14:27	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/13/21 14:27	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/13/21 14:27	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/13/21 14:27	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/13/21 14:27	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/13/21 14:27	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/13/21 14:27	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/13/21 14:27	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/13/21 14:27	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/13/21 14:27	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/13/21 14:27	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/13/21 14:27	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/13/21 14:27	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/13/21 14:27	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/13/21 14:27	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			08/13/21 14:27	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/13/21 14:27	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/13/21 14:27	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/13/21 14:27	1
Naphthalene	<0.34		1.0	0.34	ug/L			08/13/21 14:27	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/13/21 14:27	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			08/13/21 14:27	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			08/13/21 14:27	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			08/13/21 14:27	1
Styrene	<0.39		1.0	0.39	ug/L			08/13/21 14:27	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			08/13/21 14:27	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/13/21 14:27	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/13/21 14:27	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			08/13/21 14:27	1
Toluene	**0.15**	**J**	0.50	0.15	ug/L			08/13/21 14:27	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			08/13/21 14:27	1

Client Sample ID: MW-2
Date Collected: 08/03/21 11:25
Date Received: 08/05/21 09:45

Lab Sample ID: 500-203366-15
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/13/21 14:27	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/13/21 14:27	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/13/21 14:27	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/13/21 14:27	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/13/21 14:27	1
Trichloroethene	<0.16		0.50	0.16	ug/L			08/13/21 14:27	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/13/21 14:27	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/13/21 14:27	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			08/13/21 14:27	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			08/13/21 14:27	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/13/21 14:27	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			08/13/21 14:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*72 - 124*		*08/13/21 14:27*	*1*
Dibromofluoromethane (Surr)	*93*		*75 - 120*		*08/13/21 14:27*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 126*		*08/13/21 14:27*	*1*
Toluene-d8 (Surr)	*98*		*75 - 120*		*08/13/21 14:27*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.2		4.6	2.2	ng/L		08/09/21 05:29	08/13/21 20:59	1
Perfluoropentanoic acid (PFPeA)	<0.45		1.8	0.45	ng/L		08/09/21 05:29	08/13/21 20:59	1
Perfluorohexanoic acid (PFHxA)	<0.53		1.8	0.53	ng/L		08/09/21 05:29	08/13/21 20:59	1
Perfluoroheptanoic acid (PFHpA)	<0.23		1.8	0.23	ng/L		08/09/21 05:29	08/13/21 20:59	1
Perfluorooctanoic acid (PFOA)	<0.78		1.8	0.78	ng/L		08/09/21 05:29	08/13/21 20:59	1
Perfluorononanoic acid (PFNA)	<0.25		1.8	0.25	ng/L		08/09/21 05:29	08/13/21 20:59	1
Perfluorodecanoic acid (PFDA)	**0.33**	**J**	1.8	0.28	ng/L		08/09/21 05:29	08/13/21 20:59	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.8	1.0	ng/L		08/09/21 05:29	08/13/21 20:59	1
Perfluorododecanoic acid (PFDoA)	<0.50		1.8	0.50	ng/L		08/09/21 05:29	08/13/21 20:59	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.8	1.2	ng/L		08/09/21 05:29	08/13/21 20:59	1
Perfluorotetradecanoic acid (PFTeA)	<0.67		1.8	0.67	ng/L		08/09/21 05:29	08/13/21 20:59	1
Perfluorobutanesulfonic acid (PFBS)	**0.70**	**J**	1.8	0.18	ng/L		08/09/21 05:29	08/13/21 20:59	1
Perfluoropentanesulfonic acid (PFPeS)	<0.28		1.8	0.28	ng/L		08/09/21 05:29	08/13/21 20:59	1
Perfluorohexanesulfonic acid (PFHxS)	**1.5**	**J**	1.8	0.52	ng/L		08/09/21 05:29	08/13/21 20:59	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.17		1.8	0.17	ng/L		08/09/21 05:29	08/13/21 20:59	1
Perfluorooctanesulfonic acid (PFOS)	**1.1**	**J**	1.8	0.50	ng/L		08/09/21 05:29	08/13/21 20:59	1
Perfluorononanesulfonic acid (PFNS)	<0.34		1.8	0.34	ng/L		08/09/21 05:29	08/13/21 20:59	1
Perfluorodecanesulfonic acid (PFDS)	<0.29		1.8	0.29	ng/L		08/09/21 05:29	08/13/21 20:59	1
Perfluorododecanesulfonic acid (PFDoS)	<0.89		1.8	0.89	ng/L		08/09/21 05:29	08/13/21 20:59	1
Perfluorooctanesulfonamide (FOSA)	<0.90		1.8	0.90	ng/L		08/09/21 05:29	08/13/21 20:59	1
NEtFOSA	<0.80		1.8	0.80	ng/L		08/09/21 05:29	08/13/21 20:59	1
NMeFOSA	<0.39		1.8	0.39	ng/L		08/09/21 05:29	08/13/21 20:59	1
NMeFOSAA	<1.1		4.6	1.1	ng/L		08/09/21 05:29	08/13/21 20:59	1
NEtFOSAA	<1.2		4.6	1.2	ng/L		08/09/21 05:29	08/13/21 20:59	1

Client: Ramboll US Corporation
Job ID: 500-203366-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: MW-2
Lab Sample ID: 500-203366-15
Date Collected: 08/03/21 11:25
Matrix: Water
Date Received: 08/05/21 09:45

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
NMeFOSE	<1.3		3.7	1.3	ng/L		08/09/21 05:29	08/13/21 20:59	1
NEtFOSE	<0.78		1.8	0.78	ng/L		08/09/21 05:29	08/13/21 20:59	1
4:2 FTS	<0.22		1.8	0.22	ng/L		08/09/21 05:29	08/13/21 20:59	1
6:2 FTS	<2.3		4.6	2.3	ng/L		08/09/21 05:29	08/13/21 20:59	1
8:2 FTS	<0.42		1.8	0.42	ng/L		08/09/21 05:29	08/13/21 20:59	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.37		1.8	0.37	ng/L		08/09/21 05:29	08/13/21 20:59	1
HFPO-DA (GenX)	<1.4		3.7	1.4	ng/L		08/09/21 05:29	08/13/21 20:59	1
9Cl-PF3ONS	<0.22		1.8	0.22	ng/L		08/09/21 05:29	08/13/21 20:59	1
11Cl-PF3OUdS	<0.29		1.8	0.29	ng/L		08/09/21 05:29	08/13/21 20:59	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*78*		*25 - 150*	*08/09/21 05:29*	*08/13/21 20:59*	*1*
13C5 PFPeA	*87*		*25 - 150*	*08/09/21 05:29*	*08/13/21 20:59*	*1*
13C2 PFHxA	*85*		*25 - 150*	*08/09/21 05:29*	*08/13/21 20:59*	*1*
13C4 PFHpA	*94*		*25 - 150*	*08/09/21 05:29*	*08/13/21 20:59*	*1*
13C4 PFOA	*93*		*25 - 150*	*08/09/21 05:29*	*08/13/21 20:59*	*1*
13C5 PFNA	*94*		*25 - 150*	*08/09/21 05:29*	*08/13/21 20:59*	*1*
13C2 PFDA	*92*		*25 - 150*	*08/09/21 05:29*	*08/13/21 20:59*	*1*
13C2 PFUnA	*95*		*25 - 150*	*08/09/21 05:29*	*08/13/21 20:59*	*1*
13C2 PFDoA	*79*		*25 - 150*	*08/09/21 05:29*	*08/13/21 20:59*	*1*
13C2 PFTeDA	*98*		*25 - 150*	*08/09/21 05:29*	*08/13/21 20:59*	*1*
13C3 PFBS	*98*		*25 - 150*	*08/09/21 05:29*	*08/13/21 20:59*	*1*
18O2 PFHxS	*89*		*25 - 150*	*08/09/21 05:29*	*08/13/21 20:59*	*1*
13C4 PFOS	*88*		*25 - 150*	*08/09/21 05:29*	*08/13/21 20:59*	*1*
13C8 FOSA	*91*		*10 - 150*	*08/09/21 05:29*	*08/13/21 20:59*	*1*
d3-NMeFOSAA	*83*		*25 - 150*	*08/09/21 05:29*	*08/13/21 20:59*	*1*
d5-NEtFOSAA	*86*		*25 - 150*	*08/09/21 05:29*	*08/13/21 20:59*	*1*
d-N-MeFOSA-M	*78*		*10 - 150*	*08/09/21 05:29*	*08/13/21 20:59*	*1*
d-N-EtFOSA-M	*71*		*10 - 150*	*08/09/21 05:29*	*08/13/21 20:59*	*1*
d7-N-MeFOSE-M	*80*		*10 - 150*	*08/09/21 05:29*	*08/13/21 20:59*	*1*
d9-N-EtFOSE-M	*81*		*10 - 150*	*08/09/21 05:29*	*08/13/21 20:59*	*1*
M2-4:2 FTS	*94*		*25 - 150*	*08/09/21 05:29*	*08/13/21 20:59*	*1*
M2-6:2 FTS	*107*		*25 - 150*	*08/09/21 05:29*	*08/13/21 20:59*	*1*
M2-8:2 FTS	*96*		*25 - 150*	*08/09/21 05:29*	*08/13/21 20:59*	*1*
13C3 HFPO-DA	*88*		*25 - 150*	*08/09/21 05:29*	*08/13/21 20:59*	*1*
13C2 10:2 FTS	*94*		*25 - 150*	*08/09/21 05:29*	*08/13/21 20:59*	*1*

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**1.8**	**B**	1.0	0.23	ug/L		08/09/21 08:40	08/09/21 22:33	1
Barium	**49**		2.5	0.73	ug/L		08/09/21 08:40	08/09/21 22:33	1
Cadmium	<0.17		0.50	0.17	ug/L		08/09/21 08:40	08/09/21 22:33	1
Chromium	<1.1		5.0	1.1	ug/L		08/09/21 08:40	08/09/21 22:33	1
Lead	<0.19		0.50	0.19	ug/L		08/09/21 08:40	08/09/21 22:33	1
Selenium	**1.2**	**J B ^+**	2.5	0.98	ug/L		08/09/21 08:40	08/10/21 20:42	1
Silver	<0.12		0.50	0.12	ug/L		08/09/21 08:40	08/09/21 22:33	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.098		0.20	0.098	ug/L		08/13/21 10:05	08/16/21 09:27	1

Client: Ramboll US Corporation
Project/Site: Former Mirro 20 - Chilton 1690019558

Job ID: 500-203366-1

Client Sample ID: MW-1
Date Collected: 08/03/21 12:15
Date Received: 08/05/21 09:45

Lab Sample ID: 500-203366-16
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			08/13/21 14:53	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/13/21 14:53	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/13/21 14:53	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/13/21 14:53	1
Bromoform	<0.48		1.0	0.48	ug/L			08/13/21 14:53	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/13/21 14:53	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			08/13/21 14:53	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/13/21 14:53	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/13/21 14:53	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/13/21 14:53	1
Chloroform	<0.37		2.0	0.37	ug/L			08/13/21 14:53	1
Chloromethane	<0.32		1.0	0.32	ug/L			08/13/21 14:53	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/13/21 14:53	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/13/21 14:53	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			08/13/21 14:53	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/13/21 14:53	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/13/21 14:53	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/13/21 14:53	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/13/21 14:53	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/13/21 14:53	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/13/21 14:53	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/13/21 14:53	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/13/21 14:53	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/13/21 14:53	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/13/21 14:53	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/13/21 14:53	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/13/21 14:53	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/13/21 14:53	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/13/21 14:53	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/13/21 14:53	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/13/21 14:53	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/13/21 14:53	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/13/21 14:53	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			08/13/21 14:53	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/13/21 14:53	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/13/21 14:53	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/13/21 14:53	1
Naphthalene	<0.34		1.0	0.34	ug/L			08/13/21 14:53	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/13/21 14:53	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			08/13/21 14:53	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			08/13/21 14:53	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			08/13/21 14:53	1
Styrene	<0.39		1.0	0.39	ug/L			08/13/21 14:53	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			08/13/21 14:53	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/13/21 14:53	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/13/21 14:53	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			08/13/21 14:53	1
Toluene	<0.15		0.50	0.15	ug/L			08/13/21 14:53	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			08/13/21 14:53	1

Client Sample ID: MW-1
Lab Sample ID: 500-203366-16
Date Collected: 08/03/21 12:15
Matrix: Water
Date Received: 08/05/21 09:45

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/13/21 14:53	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/13/21 14:53	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/13/21 14:53	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/13/21 14:53	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/13/21 14:53	1
Trichloroethene	<0.16		0.50	0.16	ug/L			08/13/21 14:53	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/13/21 14:53	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/13/21 14:53	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			08/13/21 14:53	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			08/13/21 14:53	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/13/21 14:53	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			08/13/21 14:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*72 - 124*		*08/13/21 14:53*	*1*
Dibromofluoromethane (Surr)	*92*		*75 - 120*		*08/13/21 14:53*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*75 - 126*		*08/13/21 14:53*	*1*
Toluene-d8 (Surr)	*98*		*75 - 120*		*08/13/21 14:53*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.4		5.0	2.4	ng/L		08/09/21 05:29	08/13/21 21:36	1
Perfluoropentanoic acid (PFPeA)	<0.49		2.0	0.49	ng/L		08/09/21 05:29	08/13/21 21:36	1
Perfluorohexanoic acid (PFHxA)	<0.57		2.0	0.57	ng/L		08/09/21 05:29	08/13/21 21:36	1
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		08/09/21 05:29	08/13/21 21:36	1
Perfluorooctanoic acid (PFOA)	<0.84		2.0	0.84	ng/L		08/09/21 05:29	08/13/21 21:36	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		08/09/21 05:29	08/13/21 21:36	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		08/09/21 05:29	08/13/21 21:36	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		08/09/21 05:29	08/13/21 21:36	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		08/09/21 05:29	08/13/21 21:36	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		08/09/21 05:29	08/13/21 21:36	1
Perfluorotetradecanoic acid (PFTeA)	<0.72		2.0	0.72	ng/L		08/09/21 05:29	08/13/21 21:36	1
Perfluorobutanesulfonic acid (PFBS)	**0.62**	**J**	2.0	0.20	ng/L		08/09/21 05:29	08/13/21 21:36	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		08/09/21 05:29	08/13/21 21:36	1
Perfluorohexanesulfonic acid (PFHxS)	**1.4**	**J**	2.0	0.57	ng/L		08/09/21 05:29	08/13/21 21:36	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.19		2.0	0.19	ng/L		08/09/21 05:29	08/13/21 21:36	1
Perfluorooctanesulfonic acid (PFOS)	**0.61**	**J**	2.0	0.54	ng/L		08/09/21 05:29	08/13/21 21:36	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		08/09/21 05:29	08/13/21 21:36	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		08/09/21 05:29	08/13/21 21:36	1
Perfluorododecanesulfonic acid (PFDoS)	<0.96		2.0	0.96	ng/L		08/09/21 05:29	08/13/21 21:36	1
Perfluorooctanesulfonamide (FOSA)	<0.97		2.0	0.97	ng/L		08/09/21 05:29	08/13/21 21:36	1
NEtFOSA	<0.86		2.0	0.86	ng/L		08/09/21 05:29	08/13/21 21:36	1
NMeFOSA	<0.43		2.0	0.43	ng/L		08/09/21 05:29	08/13/21 21:36	1
NMeFOSAA	<1.2		5.0	1.2	ng/L		08/09/21 05:29	08/13/21 21:36	1
NEtFOSAA	<1.3		5.0	1.3	ng/L		08/09/21 05:29	08/13/21 21:36	1

Client Sample ID: MW-1
Date Collected: 08/03/21 12:15
Date Received: 08/05/21 09:45

Lab Sample ID: 500-203366-16
Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
NMeFOSE	<1.4		4.0	1.4	ng/L		08/09/21 05:29	08/13/21 21:36	1
NEtFOSE	<0.84		2.0	0.84	ng/L		08/09/21 05:29	08/13/21 21:36	1
4:2 FTS	<0.24		2.0	0.24	ng/L		08/09/21 05:29	08/13/21 21:36	1
6:2 FTS	<2.5		5.0	2.5	ng/L		08/09/21 05:29	08/13/21 21:36	1
8:2 FTS	<0.46		2.0	0.46	ng/L		08/09/21 05:29	08/13/21 21:36	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		08/09/21 05:29	08/13/21 21:36	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		08/09/21 05:29	08/13/21 21:36	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		08/09/21 05:29	08/13/21 21:36	1
11Cl-PF3OUdS	<0.32		2.0	0.32	ng/L		08/09/21 05:29	08/13/21 21:36	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*83*		*25 - 150*	*08/09/21 05:29*	*08/13/21 21:36*	*1*
13C5 PFPeA	*87*		*25 - 150*	*08/09/21 05:29*	*08/13/21 21:36*	*1*
13C2 PFHxA	*91*		*25 - 150*	*08/09/21 05:29*	*08/13/21 21:36*	*1*
13C4 PFHpA	*100*		*25 - 150*	*08/09/21 05:29*	*08/13/21 21:36*	*1*
13C4 PFOA	*94*		*25 - 150*	*08/09/21 05:29*	*08/13/21 21:36*	*1*
13C5 PFNA	*99*		*25 - 150*	*08/09/21 05:29*	*08/13/21 21:36*	*1*
13C2 PFDA	*107*		*25 - 150*	*08/09/21 05:29*	*08/13/21 21:36*	*1*
13C2 PFUnA	*102*		*25 - 150*	*08/09/21 05:29*	*08/13/21 21:36*	*1*
13C2 PFDoA	*89*		*25 - 150*	*08/09/21 05:29*	*08/13/21 21:36*	*1*
13C2 PFTeDA	*103*		*25 - 150*	*08/09/21 05:29*	*08/13/21 21:36*	*1*
13C3 PFBS	*104*		*25 - 150*	*08/09/21 05:29*	*08/13/21 21:36*	*1*
18O2 PFHxS	*93*		*25 - 150*	*08/09/21 05:29*	*08/13/21 21:36*	*1*
13C4 PFOS	*92*		*25 - 150*	*08/09/21 05:29*	*08/13/21 21:36*	*1*
13C8 FOSA	*96*		*10 - 150*	*08/09/21 05:29*	*08/13/21 21:36*	*1*
d3-NMeFOSAA	*89*		*25 - 150*	*08/09/21 05:29*	*08/13/21 21:36*	*1*
d5-NEtFOSAA	*95*		*25 - 150*	*08/09/21 05:29*	*08/13/21 21:36*	*1*
d-N-MeFOSA-M	*77*		*10 - 150*	*08/09/21 05:29*	*08/13/21 21:36*	*1*
d-N-EtFOSA-M	*73*		*10 - 150*	*08/09/21 05:29*	*08/13/21 21:36*	*1*
d7-N-MeFOSE-M	*81*		*10 - 150*	*08/09/21 05:29*	*08/13/21 21:36*	*1*
d9-N-EtFOSE-M	*82*		*10 - 150*	*08/09/21 05:29*	*08/13/21 21:36*	*1*
M2-4:2 FTS	*98*		*25 - 150*	*08/09/21 05:29*	*08/13/21 21:36*	*1*
M2-6:2 FTS	*101*		*25 - 150*	*08/09/21 05:29*	*08/13/21 21:36*	*1*
M2-8:2 FTS	*103*		*25 - 150*	*08/09/21 05:29*	*08/13/21 21:36*	*1*
13C3 HFPO-DA	*95*		*25 - 150*	*08/09/21 05:29*	*08/13/21 21:36*	*1*
13C2 10:2 FTS	*102*		*25 - 150*	*08/09/21 05:29*	*08/13/21 21:36*	*1*

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**1.4**	**B**	1.0	0.23	ug/L		08/09/21 08:40	08/09/21 22:36	1
Barium	**58**		2.5	0.73	ug/L		08/09/21 08:40	08/09/21 22:36	1
Cadmium	<0.17		0.50	0.17	ug/L		08/09/21 08:40	08/09/21 22:36	1
Chromium	<1.1		5.0	1.1	ug/L		08/09/21 08:40	08/09/21 22:36	1
Lead	<0.19		0.50	0.19	ug/L		08/09/21 08:40	08/09/21 22:36	1
Selenium	**1.5**	**J B ^+**	2.5	0.98	ug/L		08/09/21 08:40	08/10/21 20:45	1
Silver	<0.12		0.50	0.12	ug/L		08/09/21 08:40	08/09/21 22:36	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.098		0.20	0.098	ug/L		08/13/21 10:05	08/16/21 09:29	1

Client: Ramboll US Corporation
Project/Site: Former Mirro 20 - Chilton 1690019558

Job ID: 500-203366-1

Client Sample ID: PZ-8
Date Collected: 08/03/21 13:35
Date Received: 08/05/21 09:45

Lab Sample ID: 500-203366-17
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			08/13/21 15:19	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/13/21 15:19	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/13/21 15:19	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/13/21 15:19	1
Bromoform	<0.48		1.0	0.48	ug/L			08/13/21 15:19	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/13/21 15:19	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			08/13/21 15:19	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/13/21 15:19	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/13/21 15:19	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/13/21 15:19	1
Chloroform	<0.37		2.0	0.37	ug/L			08/13/21 15:19	1
Chloromethane	<0.32		1.0	0.32	ug/L			08/13/21 15:19	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/13/21 15:19	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/13/21 15:19	1
cis-1,2-Dichloroethene	**21**		1.0	0.41	ug/L			08/13/21 15:19	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/13/21 15:19	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/13/21 15:19	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/13/21 15:19	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/13/21 15:19	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/13/21 15:19	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/13/21 15:19	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/13/21 15:19	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/13/21 15:19	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/13/21 15:19	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/13/21 15:19	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/13/21 15:19	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/13/21 15:19	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/13/21 15:19	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/13/21 15:19	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/13/21 15:19	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/13/21 15:19	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/13/21 15:19	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/13/21 15:19	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			08/13/21 15:19	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/13/21 15:19	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/13/21 15:19	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/13/21 15:19	1
Naphthalene	<0.34		1.0	0.34	ug/L			08/13/21 15:19	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/13/21 15:19	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			08/13/21 15:19	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			08/13/21 15:19	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			08/13/21 15:19	1
Styrene	<0.39		1.0	0.39	ug/L			08/13/21 15:19	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			08/13/21 15:19	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/13/21 15:19	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/13/21 15:19	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			08/13/21 15:19	1
Toluene	**0.15**	**J**	0.50	0.15	ug/L			08/13/21 15:19	1
trans-1,2-Dichloroethene	**0.76**	**J**	1.0	0.35	ug/L			08/13/21 15:19	1

Client Sample ID: PZ-8
Lab Sample ID: 500-203366-17
Date Collected: 08/03/21 13:35
Matrix: Water
Date Received: 08/05/21 09:45

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/13/21 15:19	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/13/21 15:19	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/13/21 15:19	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/13/21 15:19	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/13/21 15:19	1
Trichloroethene	<0.16		0.50	0.16	ug/L			08/13/21 15:19	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/13/21 15:19	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/13/21 15:19	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			08/13/21 15:19	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			08/13/21 15:19	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/13/21 15:19	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			08/13/21 15:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*72 - 124*		*08/13/21 15:19*	*1*
Dibromofluoromethane (Surr)	*92*		*75 - 120*		*08/13/21 15:19*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*75 - 126*		*08/13/21 15:19*	*1*
Toluene-d8 (Surr)	*100*		*75 - 120*		*08/13/21 15:19*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.2		4.5	2.2	ng/L		08/13/21 05:11	08/13/21 14:10	1
Perfluoropentanoic acid (PFPeA)	<0.44		1.8	0.44	ng/L		08/13/21 05:11	08/13/21 14:10	1
Perfluorohexanoic acid (PFHxA)	<0.53		1.8	0.53	ng/L		08/13/21 05:11	08/13/21 14:10	1
Perfluoroheptanoic acid (PFHpA)	<0.23		1.8	0.23	ng/L		08/13/21 05:11	08/13/21 14:10	1
Perfluorooctanoic acid (PFOA)	<0.77		1.8	0.77	ng/L		08/13/21 05:11	08/13/21 14:10	1
Perfluorononanoic acid (PFNA)	<0.25		1.8	0.25	ng/L		08/13/21 05:11	08/13/21 14:10	1
Perfluorodecanoic acid (PFDA)	<0.28		1.8	0.28	ng/L		08/13/21 05:11	08/13/21 14:10	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.8	1.0	ng/L		08/13/21 05:11	08/13/21 14:10	1
Perfluorododecanoic acid (PFDoA)	<0.50		1.8	0.50	ng/L		08/13/21 05:11	08/13/21 14:10	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.8	1.2	ng/L		08/13/21 05:11	08/13/21 14:10	1
Perfluorotetradecanoic acid (PFTeA)	<0.66		1.8	0.66	ng/L		08/13/21 05:11	08/13/21 14:10	1
Perfluorobutanesulfonic acid (PFBS)	**0.88**	**J**	1.8	0.18	ng/L		08/13/21 05:11	08/13/21 14:10	1
Perfluoropentanesulfonic acid (PFPeS)	<0.27		1.8	0.27	ng/L		08/13/21 05:11	08/13/21 14:10	1
Perfluorohexanesulfonic acid (PFHxS)	**0.84**	**J**	1.8	0.52	ng/L		08/13/21 05:11	08/13/21 14:10	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.17		1.8	0.17	ng/L		08/13/21 05:11	08/13/21 14:10	1
Perfluorooctanesulfonic acid (PFOS)	**0.66**	**J**	1.8	0.49	ng/L		08/13/21 05:11	08/13/21 14:10	1
Perfluorononanesulfonic acid (PFNS)	<0.34		1.8	0.34	ng/L		08/13/21 05:11	08/13/21 14:10	1
Perfluorodecanesulfonic acid (PFDS)	<0.29		1.8	0.29	ng/L		08/13/21 05:11	08/13/21 14:10	1
Perfluorododecanesulfonic acid (PFDoS)	<0.88		1.8	0.88	ng/L		08/13/21 05:11	08/13/21 14:10	1
Perfluorooctanesulfonamide (FOSA)	<0.89		1.8	0.89	ng/L		08/13/21 05:11	08/13/21 14:10	1
NEtFOSA	<0.79		1.8	0.79	ng/L		08/13/21 05:11	08/13/21 14:10	1
NMeFOSA	<0.39		1.8	0.39	ng/L		08/13/21 05:11	08/13/21 14:10	1
NMeFOSAA	<1.1		4.5	1.1	ng/L		08/13/21 05:11	08/13/21 14:10	1
NEtFOSAA	<1.2		4.5	1.2	ng/L		08/13/21 05:11	08/13/21 14:10	1

Client Sample ID: PZ-8
Lab Sample ID: 500-203366-17
Date Collected: 08/03/21 13:35
Matrix: Water
Date Received: 08/05/21 09:45

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
NMeFOSE	<1.3		3.6	1.3	ng/L		08/13/21 05:11	08/13/21 14:10	1
NEtFOSE	<0.77		1.8	0.77	ng/L		08/13/21 05:11	08/13/21 14:10	1
4:2 FTS	<0.22		1.8	0.22	ng/L		08/13/21 05:11	08/13/21 14:10	1
6:2 FTS	<2.3		4.5	2.3	ng/L		08/13/21 05:11	08/13/21 14:10	1
8:2 FTS	<0.42		1.8	0.42	ng/L		08/13/21 05:11	08/13/21 14:10	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.36		1.8	0.36	ng/L		08/13/21 05:11	08/13/21 14:10	1
HFPO-DA (GenX)	<1.4		3.6	1.4	ng/L		08/13/21 05:11	08/13/21 14:10	1
9Cl-PF3ONS	<0.22		1.8	0.22	ng/L		08/13/21 05:11	08/13/21 14:10	1
11Cl-PF3OUdS	<0.29		1.8	0.29	ng/L		08/13/21 05:11	08/13/21 14:10	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*84*		*25 - 150*	*08/13/21 05:11*	*08/13/21 14:10*	*1*
13C5 PFPeA	*88*		*25 - 150*	*08/13/21 05:11*	*08/13/21 14:10*	*1*
13C2 PFHxA	*80*		*25 - 150*	*08/13/21 05:11*	*08/13/21 14:10*	*1*
13C4 PFHpA	*90*		*25 - 150*	*08/13/21 05:11*	*08/13/21 14:10*	*1*
13C4 PFOA	*96*		*25 - 150*	*08/13/21 05:11*	*08/13/21 14:10*	*1*
13C5 PFNA	*95*		*25 - 150*	*08/13/21 05:11*	*08/13/21 14:10*	*1*
13C2 PFDA	*86*		*25 - 150*	*08/13/21 05:11*	*08/13/21 14:10*	*1*
13C2 PFUnA	*86*		*25 - 150*	*08/13/21 05:11*	*08/13/21 14:10*	*1*
13C2 PFDoA	*92*		*25 - 150*	*08/13/21 05:11*	*08/13/21 14:10*	*1*
13C2 PFTeDA	*104*		*25 - 150*	*08/13/21 05:11*	*08/13/21 14:10*	*1*
13C3 PFBS	*101*		*25 - 150*	*08/13/21 05:11*	*08/13/21 14:10*	*1*
18O2 PFHxS	*92*		*25 - 150*	*08/13/21 05:11*	*08/13/21 14:10*	*1*
13C4 PFOS	*95*		*25 - 150*	*08/13/21 05:11*	*08/13/21 14:10*	*1*
13C8 FOSA	*94*		*10 - 150*	*08/13/21 05:11*	*08/13/21 14:10*	*1*
d3-NMeFOSAA	*80*		*25 - 150*	*08/13/21 05:11*	*08/13/21 14:10*	*1*
d5-NEtFOSAA	*95*		*25 - 150*	*08/13/21 05:11*	*08/13/21 14:10*	*1*
d-N-MeFOSA-M	*82*		*10 - 150*	*08/13/21 05:11*	*08/13/21 14:10*	*1*
d-N-EtFOSA-M	*73*		*10 - 150*	*08/13/21 05:11*	*08/13/21 14:10*	*1*
d7-N-MeFOSE-M	*72*		*10 - 150*	*08/13/21 05:11*	*08/13/21 14:10*	*1*
d9-N-EtFOSE-M	*82*		*10 - 150*	*08/13/21 05:11*	*08/13/21 14:10*	*1*
M2-4:2 FTS	*90*		*25 - 150*	*08/13/21 05:11*	*08/13/21 14:10*	*1*
M2-6:2 FTS	*103*		*25 - 150*	*08/13/21 05:11*	*08/13/21 14:10*	*1*
M2-8:2 FTS	*85*		*25 - 150*	*08/13/21 05:11*	*08/13/21 14:10*	*1*
13C3 HFPO-DA	*90*		*25 - 150*	*08/13/21 05:11*	*08/13/21 14:10*	*1*
13C2 10:2 FTS	*79*		*25 - 150*	*08/13/21 05:11*	*08/13/21 14:10*	*1*

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**1.1**	**B**	1.0	0.23	ug/L		08/09/21 08:40	08/09/21 22:40	1
Barium	**110**		2.5	0.73	ug/L		08/09/21 08:40	08/09/21 22:40	1
Cadmium	<0.17		0.50	0.17	ug/L		08/09/21 08:40	08/09/21 22:40	1
Chromium	<1.1		5.0	1.1	ug/L		08/09/21 08:40	08/09/21 22:40	1
Lead	<0.19		0.50	0.19	ug/L		08/09/21 08:40	08/09/21 22:40	1
Selenium	**1.6**	**J B ^+**	2.5	0.98	ug/L		08/09/21 08:40	08/10/21 20:48	1
Silver	<0.12		0.50	0.12	ug/L		08/09/21 08:40	08/09/21 22:40	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.098		0.20	0.098	ug/L		08/13/21 10:05	08/16/21 09:31	1

Client: Ramboll US Corporation
Project/Site: Former Mirro 20 - Chilton 1690019558

Job ID: 500-203366-1

Client Sample ID: OMPZ-3
Date Collected: 08/03/21 15:00
Date Received: 08/05/21 09:45

Lab Sample ID: 500-203366-18
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			08/13/21 15:45	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/13/21 15:45	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/13/21 15:45	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/13/21 15:45	1
Bromoform	<0.48		1.0	0.48	ug/L			08/13/21 15:45	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/13/21 15:45	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			08/13/21 15:45	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/13/21 15:45	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/13/21 15:45	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/13/21 15:45	1
Chloroform	<0.37		2.0	0.37	ug/L			08/13/21 15:45	1
Chloromethane	<0.32		1.0	0.32	ug/L			08/13/21 15:45	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/13/21 15:45	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/13/21 15:45	1
cis-1,2-Dichloroethene	**120**		1.0	0.41	ug/L			08/13/21 15:45	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/13/21 15:45	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/13/21 15:45	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/13/21 15:45	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/13/21 15:45	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/13/21 15:45	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/13/21 15:45	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/13/21 15:45	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/13/21 15:45	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/13/21 15:45	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/13/21 15:45	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/13/21 15:45	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/13/21 15:45	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/13/21 15:45	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/13/21 15:45	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/13/21 15:45	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/13/21 15:45	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/13/21 15:45	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/13/21 15:45	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			08/13/21 15:45	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/13/21 15:45	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/13/21 15:45	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/13/21 15:45	1
Naphthalene	<0.34		1.0	0.34	ug/L			08/13/21 15:45	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/13/21 15:45	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			08/13/21 15:45	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			08/13/21 15:45	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			08/13/21 15:45	1
Styrene	<0.39		1.0	0.39	ug/L			08/13/21 15:45	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			08/13/21 15:45	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/13/21 15:45	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/13/21 15:45	1
Tetrachloroethene	**8.8**		1.0	0.37	ug/L			08/13/21 15:45	1
Toluene	**0.18**	**J**	0.50	0.15	ug/L			08/13/21 15:45	1
trans-1,2-Dichloroethene	**6.9**		1.0	0.35	ug/L			08/13/21 15:45	1

Client: Ramboll US Corporation
Job ID: 500-203366-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: OMPZ-3
Lab Sample ID: 500-203366-18
Date Collected: 08/03/21 15:00
Matrix: Water
Date Received: 08/05/21 09:45

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/13/21 15:45	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/13/21 15:45	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/13/21 15:45	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/13/21 15:45	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/13/21 15:45	1
Trichloroethene	**7.9**		0.50	0.16	ug/L			08/13/21 15:45	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/13/21 15:45	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/13/21 15:45	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			08/13/21 15:45	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			08/13/21 15:45	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/13/21 15:45	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			08/13/21 15:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*72 - 124*		*08/13/21 15:45*	*1*
Dibromofluoromethane (Surr)	*92*		*75 - 120*		*08/13/21 15:45*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*75 - 126*		*08/13/21 15:45*	*1*
Toluene-d8 (Surr)	*99*		*75 - 120*		*08/13/21 15:45*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.3		4.8	2.3	ng/L		08/13/21 05:11	08/13/21 14:20	1
Perfluoropentanoic acid (PFPeA)	**9.1**		1.9	0.47	ng/L		08/13/21 05:11	08/13/21 14:20	1
Perfluorohexanoic acid (PFHxA)	**4.5**	**I**	1.9	0.56	ng/L		08/13/21 05:11	08/13/21 14:20	1
Perfluoroheptanoic acid (PFHpA)	**1.1**	**J**	1.9	0.24	ng/L		08/13/21 05:11	08/13/21 14:20	1
Perfluorooctanoic acid (PFOA)	<0.82		1.9	0.82	ng/L		08/13/21 05:11	08/13/21 14:20	1
Perfluorononanoic acid (PFNA)	<0.26		1.9	0.26	ng/L		08/13/21 05:11	08/13/21 14:20	1
Perfluorodecanoic acid (PFDA)	<0.30		1.9	0.30	ng/L		08/13/21 05:11	08/13/21 14:20	1
Perfluoroundecanoic acid (PFUnA)	<1.1		1.9	1.1	ng/L		08/13/21 05:11	08/13/21 14:20	1
Perfluorododecanoic acid (PFDoA)	<0.53		1.9	0.53	ng/L		08/13/21 05:11	08/13/21 14:20	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		1.9	1.3	ng/L		08/13/21 05:11	08/13/21 14:20	1
Perfluorotetradecanoic acid (PFTeA)	<0.70		1.9	0.70	ng/L		08/13/21 05:11	08/13/21 14:20	1
Perfluorobutanesulfonic acid (PFBS)	**1.0**	**J**	1.9	0.19	ng/L		08/13/21 05:11	08/13/21 14:20	1
Perfluoropentanesulfonic acid (PFPeS)	<0.29		1.9	0.29	ng/L		08/13/21 05:11	08/13/21 14:20	1
Perfluorohexanesulfonic acid (PFHxS)	**0.93**	**J**	1.9	0.55	ng/L		08/13/21 05:11	08/13/21 14:20	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.18		1.9	0.18	ng/L		08/13/21 05:11	08/13/21 14:20	1
Perfluorooctanesulfonic acid (PFOS)	**0.53**	**J**	1.9	0.52	ng/L		08/13/21 05:11	08/13/21 14:20	1
Perfluorononanesulfonic acid (PFNS)	<0.36		1.9	0.36	ng/L		08/13/21 05:11	08/13/21 14:20	1
Perfluorodecanesulfonic acid (PFDS)	<0.31		1.9	0.31	ng/L		08/13/21 05:11	08/13/21 14:20	1
Perfluorododecanesulfonic acid (PFDoS)	<0.93		1.9	0.93	ng/L		08/13/21 05:11	08/13/21 14:20	1
Perfluorooctanesulfonamide (FOSA)	<0.94		1.9	0.94	ng/L		08/13/21 05:11	08/13/21 14:20	1
NEtFOSA	<0.84		1.9	0.84	ng/L		08/13/21 05:11	08/13/21 14:20	1
NMeFOSA	<0.41		1.9	0.41	ng/L		08/13/21 05:11	08/13/21 14:20	1
NMeFOSAA	<1.2		4.8	1.2	ng/L		08/13/21 05:11	08/13/21 14:20	1
NEtFOSAA	<1.3		4.8	1.3	ng/L		08/13/21 05:11	08/13/21 14:20	1

Client Sample ID: OMPZ-3
Date Collected: 08/03/21 15:00
Date Received: 08/05/21 09:45

Lab Sample ID: 500-203366-18
Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
NMeFOSE	<1.3		3.8	1.3	ng/L		08/13/21 05:11	08/13/21 14:20	1
NEtFOSE	<0.82		1.9	0.82	ng/L		08/13/21 05:11	08/13/21 14:20	1
4:2 FTS	<0.23		1.9	0.23	ng/L		08/13/21 05:11	08/13/21 14:20	1
6:2 FTS	**4.5**	**J**	4.8	2.4	ng/L		08/13/21 05:11	08/13/21 14:20	1
8:2 FTS	<0.44		1.9	0.44	ng/L		08/13/21 05:11	08/13/21 14:20	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.38		1.9	0.38	ng/L		08/13/21 05:11	08/13/21 14:20	1
HFPO-DA (GenX)	<1.4		3.8	1.4	ng/L		08/13/21 05:11	08/13/21 14:20	1
9Cl-PF3ONS	<0.23		1.9	0.23	ng/L		08/13/21 05:11	08/13/21 14:20	1
11Cl-PF3OUdS	<0.31		1.9	0.31	ng/L		08/13/21 05:11	08/13/21 14:20	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*87*		*25 - 150*	*08/13/21 05:11*	*08/13/21 14:20*	*1*
13C5 PFPeA	*86*		*25 - 150*	*08/13/21 05:11*	*08/13/21 14:20*	*1*
13C2 PFHxA	*77*		*25 - 150*	*08/13/21 05:11*	*08/13/21 14:20*	*1*
13C4 PFHpA	*88*		*25 - 150*	*08/13/21 05:11*	*08/13/21 14:20*	*1*
13C4 PFOA	*96*		*25 - 150*	*08/13/21 05:11*	*08/13/21 14:20*	*1*
13C5 PFNA	*94*		*25 - 150*	*08/13/21 05:11*	*08/13/21 14:20*	*1*
13C2 PFDA	*86*		*25 - 150*	*08/13/21 05:11*	*08/13/21 14:20*	*1*
13C2 PFUnA	*76*		*25 - 150*	*08/13/21 05:11*	*08/13/21 14:20*	*1*
13C2 PFDoA	*102*		*25 - 150*	*08/13/21 05:11*	*08/13/21 14:20*	*1*
13C2 PFTeDA	*112*		*25 - 150*	*08/13/21 05:11*	*08/13/21 14:20*	*1*
13C3 PFBS	*98*		*25 - 150*	*08/13/21 05:11*	*08/13/21 14:20*	*1*
18O2 PFHxS	*94*		*25 - 150*	*08/13/21 05:11*	*08/13/21 14:20*	*1*
13C4 PFOS	*88*		*25 - 150*	*08/13/21 05:11*	*08/13/21 14:20*	*1*
13C8 FOSA	*95*		*10 - 150*	*08/13/21 05:11*	*08/13/21 14:20*	*1*
d3-NMeFOSAA	*86*		*25 - 150*	*08/13/21 05:11*	*08/13/21 14:20*	*1*
d5-NEtFOSAA	*92*		*25 - 150*	*08/13/21 05:11*	*08/13/21 14:20*	*1*
d-N-MeFOSA-M	*74*		*10 - 150*	*08/13/21 05:11*	*08/13/21 14:20*	*1*
d-N-EtFOSA-M	*70*		*10 - 150*	*08/13/21 05:11*	*08/13/21 14:20*	*1*
d7-N-MeFOSE-M	*67*		*10 - 150*	*08/13/21 05:11*	*08/13/21 14:20*	*1*
d9-N-EtFOSE-M	*86*		*10 - 150*	*08/13/21 05:11*	*08/13/21 14:20*	*1*
M2-4:2 FTS	*83*		*25 - 150*	*08/13/21 05:11*	*08/13/21 14:20*	*1*
M2-6:2 FTS	*101*		*25 - 150*	*08/13/21 05:11*	*08/13/21 14:20*	*1*
M2-8:2 FTS	*76*		*25 - 150*	*08/13/21 05:11*	*08/13/21 14:20*	*1*
13C3 HFPO-DA	*94*		*25 - 150*	*08/13/21 05:11*	*08/13/21 14:20*	*1*
13C2 10:2 FTS	*79*		*25 - 150*	*08/13/21 05:11*	*08/13/21 14:20*	*1*

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.95**	**J B**	1.0	0.23	ug/L		08/09/21 08:40	08/09/21 22:43	1
Barium	**79**		2.5	0.73	ug/L		08/09/21 08:40	08/09/21 22:43	1
Cadmium	<0.17		0.50	0.17	ug/L		08/09/21 08:40	08/09/21 22:43	1
Chromium	<1.1		5.0	1.1	ug/L		08/09/21 08:40	08/09/21 22:43	1
Lead	<0.19		0.50	0.19	ug/L		08/09/21 08:40	08/09/21 22:43	1
Selenium	**1.7**	**J B ^+**	2.5	0.98	ug/L		08/09/21 08:40	08/10/21 20:51	1
Silver	<0.12		0.50	0.12	ug/L		08/09/21 08:40	08/09/21 22:43	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.098		0.20	0.098	ug/L		08/13/21 10:05	08/16/21 09:33	1

Client: Ramboll US Corporation
Project/Site: Former Mirro 20 - Chilton 1690019558

Job ID: 500-203366-1

Client Sample ID: OMPZ-3 DUP

Date Collected: 08/03/21 15:00
Date Received: 08/05/21 09:45

Lab Sample ID: 500-203366-19

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			08/13/21 16:11	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/13/21 16:11	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/13/21 16:11	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/13/21 16:11	1
Bromoform	<0.48		1.0	0.48	ug/L			08/13/21 16:11	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/13/21 16:11	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			08/13/21 16:11	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/13/21 16:11	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/13/21 16:11	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/13/21 16:11	1
Chloroform	<0.37		2.0	0.37	ug/L			08/13/21 16:11	1
Chloromethane	<0.32		1.0	0.32	ug/L			08/13/21 16:11	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/13/21 16:11	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/13/21 16:11	1
cis-1,2-Dichloroethene	**110**		1.0	0.41	ug/L			08/13/21 16:11	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/13/21 16:11	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/13/21 16:11	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/13/21 16:11	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/13/21 16:11	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/13/21 16:11	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/13/21 16:11	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/13/21 16:11	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/13/21 16:11	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/13/21 16:11	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/13/21 16:11	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/13/21 16:11	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/13/21 16:11	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/13/21 16:11	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/13/21 16:11	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/13/21 16:11	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/13/21 16:11	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/13/21 16:11	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/13/21 16:11	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			08/13/21 16:11	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/13/21 16:11	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/13/21 16:11	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/13/21 16:11	1
Naphthalene	<0.34		1.0	0.34	ug/L			08/13/21 16:11	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/13/21 16:11	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			08/13/21 16:11	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			08/13/21 16:11	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			08/13/21 16:11	1
Styrene	<0.39		1.0	0.39	ug/L			08/13/21 16:11	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			08/13/21 16:11	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/13/21 16:11	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/13/21 16:11	1
Tetrachloroethene	**8.4**		1.0	0.37	ug/L			08/13/21 16:11	1
Toluene	**0.16**	**J**	0.50	0.15	ug/L			08/13/21 16:11	1
trans-1,2-Dichloroethene	**6.5**		1.0	0.35	ug/L			08/13/21 16:11	1

Client Sample ID: OMPZ-3 DUP
Lab Sample ID: 500-203366-19
Date Collected: 08/03/21 15:00
Matrix: Water
Date Received: 08/05/21 09:45

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/13/21 16:11	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/13/21 16:11	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/13/21 16:11	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/13/21 16:11	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/13/21 16:11	1
Trichloroethene	**7.6**		0.50	0.16	ug/L			08/13/21 16:11	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/13/21 16:11	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/13/21 16:11	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			08/13/21 16:11	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			08/13/21 16:11	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/13/21 16:11	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			08/13/21 16:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*72 - 124*		*08/13/21 16:11*	*1*
Dibromofluoromethane (Surr)	*93*		*75 - 120*		*08/13/21 16:11*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*75 - 126*		*08/13/21 16:11*	*1*
Toluene-d8 (Surr)	*99*		*75 - 120*		*08/13/21 16:11*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.3		4.7	2.3	ng/L		08/13/21 05:11	08/13/21 14:29	1
Perfluoropentanoic acid (PFPeA)	**9.5**		1.9	0.46	ng/L		08/13/21 05:11	08/13/21 14:29	1
Perfluorohexanoic acid (PFHxA)	**3.8**		1.9	0.55	ng/L		08/13/21 05:11	08/13/21 14:29	1
Perfluoroheptanoic acid (PFHpA)	**1.1**	**J I**	1.9	0.24	ng/L		08/13/21 05:11	08/13/21 14:29	1
Perfluorooctanoic acid (PFOA)	<0.80		1.9	0.80	ng/L		08/13/21 05:11	08/13/21 14:29	1
Perfluorononanoic acid (PFNA)	<0.26		1.9	0.26	ng/L		08/13/21 05:11	08/13/21 14:29	1
Perfluorodecanoic acid (PFDA)	<0.29		1.9	0.29	ng/L		08/13/21 05:11	08/13/21 14:29	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		08/13/21 05:11	08/13/21 14:29	1
Perfluorododecanoic acid (PFDoA)	<0.52		1.9	0.52	ng/L		08/13/21 05:11	08/13/21 14:29	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.9	1.2	ng/L		08/13/21 05:11	08/13/21 14:29	1
Perfluorotetradecanoic acid (PFTeA)	<0.69		1.9	0.69	ng/L		08/13/21 05:11	08/13/21 14:29	1
Perfluorobutanesulfonic acid (PFBS)	**1.2**	**J**	1.9	0.19	ng/L		08/13/21 05:11	08/13/21 14:29	1
Perfluoropentanesulfonic acid (PFPeS)	<0.28		1.9	0.28	ng/L		08/13/21 05:11	08/13/21 14:29	1
Perfluorohexanesulfonic acid (PFHxS)	**0.81**	**J**	1.9	0.54	ng/L		08/13/21 05:11	08/13/21 14:29	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.18		1.9	0.18	ng/L		08/13/21 05:11	08/13/21 14:29	1
Perfluorooctanesulfonic acid (PFOS)	<0.51		1.9	0.51	ng/L		08/13/21 05:11	08/13/21 14:29	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		08/13/21 05:11	08/13/21 14:29	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		08/13/21 05:11	08/13/21 14:29	1
Perfluorododecanesulfonic acid (PFDoS)	<0.92		1.9	0.92	ng/L		08/13/21 05:11	08/13/21 14:29	1
Perfluorooctanesulfonamide (FOSA)	<0.93		1.9	0.93	ng/L		08/13/21 05:11	08/13/21 14:29	1
NEtFOSA	<0.82		1.9	0.82	ng/L		08/13/21 05:11	08/13/21 14:29	1
NMeFOSA	<0.41		1.9	0.41	ng/L		08/13/21 05:11	08/13/21 14:29	1
NMeFOSAA	<1.1		4.7	1.1	ng/L		08/13/21 05:11	08/13/21 14:29	1
NEtFOSAA	<1.2		4.7	1.2	ng/L		08/13/21 05:11	08/13/21 14:29	1
NMeFOSE	<1.3		3.8	1.3	ng/L		08/13/21 05:11	08/13/21 14:29	1

Client Sample ID: OMPZ-3 DUP
Lab Sample ID: 500-203366-19

Date Collected: 08/03/21 15:00
Matrix: Water
Date Received: 08/05/21 09:45

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
NEtFOSE	<0.80		1.9	0.80	ng/L		08/13/21 05:11	08/13/21 14:29	1
4:2 FTS	<0.23		1.9	0.23	ng/L		08/13/21 05:11	08/13/21 14:29	1
6:2 FTS	**4.2**	**J**	4.7	2.4	ng/L		08/13/21 05:11	08/13/21 14:29	1
8:2 FTS	<0.44		1.9	0.44	ng/L		08/13/21 05:11	08/13/21 14:29	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.38		1.9	0.38	ng/L		08/13/21 05:11	08/13/21 14:29	1
HFPO-DA (GenX)	<1.4		3.8	1.4	ng/L		08/13/21 05:11	08/13/21 14:29	1
9Cl-PF3ONS	<0.23		1.9	0.23	ng/L		08/13/21 05:11	08/13/21 14:29	1
11Cl-PF3OUdS	<0.30		1.9	0.30	ng/L		08/13/21 05:11	08/13/21 14:29	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*85*		*25 - 150*	*08/13/21 05:11*	*08/13/21 14:29*	*1*
13C5 PFPeA	*83*		*25 - 150*	*08/13/21 05:11*	*08/13/21 14:29*	*1*
13C2 PFHxA	*75*		*25 - 150*	*08/13/21 05:11*	*08/13/21 14:29*	*1*
13C4 PFHpA	*83*		*25 - 150*	*08/13/21 05:11*	*08/13/21 14:29*	*1*
13C4 PFOA	*92*		*25 - 150*	*08/13/21 05:11*	*08/13/21 14:29*	*1*
13C5 PFNA	*92*		*25 - 150*	*08/13/21 05:11*	*08/13/21 14:29*	*1*
13C2 PFDA	*85*		*25 - 150*	*08/13/21 05:11*	*08/13/21 14:29*	*1*
13C2 PFUnA	*81*		*25 - 150*	*08/13/21 05:11*	*08/13/21 14:29*	*1*
13C2 PFDoA	*85*		*25 - 150*	*08/13/21 05:11*	*08/13/21 14:29*	*1*
13C2 PFTeDA	*110*		*25 - 150*	*08/13/21 05:11*	*08/13/21 14:29*	*1*
13C3 PFBS	*94*		*25 - 150*	*08/13/21 05:11*	*08/13/21 14:29*	*1*
18O2 PFHxS	*92*		*25 - 150*	*08/13/21 05:11*	*08/13/21 14:29*	*1*
13C4 PFOS	*85*		*25 - 150*	*08/13/21 05:11*	*08/13/21 14:29*	*1*
13C8 FOSA	*89*		*10 - 150*	*08/13/21 05:11*	*08/13/21 14:29*	*1*
d3-NMeFOSAA	*83*		*25 - 150*	*08/13/21 05:11*	*08/13/21 14:29*	*1*
d5-NEtFOSAA	*86*		*25 - 150*	*08/13/21 05:11*	*08/13/21 14:29*	*1*
d-N-MeFOSA-M	*65*		*10 - 150*	*08/13/21 05:11*	*08/13/21 14:29*	*1*
d-N-EtFOSA-M	*67*		*10 - 150*	*08/13/21 05:11*	*08/13/21 14:29*	*1*
d7-N-MeFOSE-M	*64*		*10 - 150*	*08/13/21 05:11*	*08/13/21 14:29*	*1*
d9-N-EtFOSE-M	*71*		*10 - 150*	*08/13/21 05:11*	*08/13/21 14:29*	*1*
M2-4:2 FTS	*77*		*25 - 150*	*08/13/21 05:11*	*08/13/21 14:29*	*1*
M2-6:2 FTS	*96*		*25 - 150*	*08/13/21 05:11*	*08/13/21 14:29*	*1*
M2-8:2 FTS	*70*		*25 - 150*	*08/13/21 05:11*	*08/13/21 14:29*	*1*
13C3 HFPO-DA	*86*		*25 - 150*	*08/13/21 05:11*	*08/13/21 14:29*	*1*
13C2 10:2 FTS	*79*		*25 - 150*	*08/13/21 05:11*	*08/13/21 14:29*	*1*

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.86**	**J B**	1.0	0.23	ug/L		08/09/21 08:40	08/09/21 22:47	1
Barium	**81**		2.5	0.73	ug/L		08/09/21 08:40	08/09/21 22:47	1
Cadmium	<0.17		0.50	0.17	ug/L		08/09/21 08:40	08/09/21 22:47	1
Chromium	<1.1		5.0	1.1	ug/L		08/09/21 08:40	08/09/21 22:47	1
Lead	<0.19		0.50	0.19	ug/L		08/09/21 08:40	08/09/21 22:47	1
Selenium	**1.4**	**J B ^+**	2.5	0.98	ug/L		08/09/21 08:40	08/10/21 20:53	1
Silver	<0.12		0.50	0.12	ug/L		08/09/21 08:40	08/09/21 22:47	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.098		0.20	0.098	ug/L		08/13/21 10:05	08/16/21 09:35	1

Client: Ramboll US Corporation
Project/Site: Former Mirro 20 - Chilton 1690019558

Job ID: 500-203366-1

Client Sample ID: PZ-9
Date Collected: 08/03/21 16:00
Date Received: 08/05/21 09:45

Lab Sample ID: 500-203366-20
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			08/13/21 16:37	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/13/21 16:37	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/13/21 16:37	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/13/21 16:37	1
Bromoform	<0.48		1.0	0.48	ug/L			08/13/21 16:37	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/13/21 16:37	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			08/13/21 16:37	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/13/21 16:37	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/13/21 16:37	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/13/21 16:37	1
Chloroform	<0.37		2.0	0.37	ug/L			08/13/21 16:37	1
Chloromethane	<0.32		1.0	0.32	ug/L			08/13/21 16:37	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/13/21 16:37	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/13/21 16:37	1
cis-1,2-Dichloroethene	**33**		1.0	0.41	ug/L			08/13/21 16:37	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/13/21 16:37	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/13/21 16:37	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/13/21 16:37	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/13/21 16:37	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/13/21 16:37	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/13/21 16:37	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/13/21 16:37	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/13/21 16:37	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/13/21 16:37	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/13/21 16:37	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/13/21 16:37	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/13/21 16:37	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/13/21 16:37	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/13/21 16:37	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/13/21 16:37	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/13/21 16:37	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/13/21 16:37	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/13/21 16:37	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			08/13/21 16:37	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/13/21 16:37	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/13/21 16:37	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/13/21 16:37	1
Naphthalene	<0.34		1.0	0.34	ug/L			08/13/21 16:37	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/13/21 16:37	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			08/13/21 16:37	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			08/13/21 16:37	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			08/13/21 16:37	1
Styrene	<0.39		1.0	0.39	ug/L			08/13/21 16:37	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			08/13/21 16:37	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/13/21 16:37	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/13/21 16:37	1
Tetrachloroethene	**130**		1.0	0.37	ug/L			08/13/21 16:37	1
Toluene	<0.15		0.50	0.15	ug/L			08/13/21 16:37	1
trans-1,2-Dichloroethene	**0.64**	**J**	1.0	0.35	ug/L			08/13/21 16:37	1

Client Sample ID: PZ-9
Lab Sample ID: 500-203366-20
Date Collected: 08/03/21 16:00
Matrix: Water
Date Received: 08/05/21 09:45

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/13/21 16:37	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/13/21 16:37	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/13/21 16:37	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/13/21 16:37	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/13/21 16:37	1
Trichloroethene	**59**		0.50	0.16	ug/L			08/13/21 16:37	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/13/21 16:37	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/13/21 16:37	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			08/13/21 16:37	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			08/13/21 16:37	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/13/21 16:37	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			08/13/21 16:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*72 - 124*		*08/13/21 16:37*	*1*
Dibromofluoromethane (Surr)	*92*		*75 - 120*		*08/13/21 16:37*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*75 - 126*		*08/13/21 16:37*	*1*
Toluene-d8 (Surr)	*98*		*75 - 120*		*08/13/21 16:37*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**3.5**	**J**	4.7	2.3	ng/L		08/06/21 20:10	08/10/21 10:59	1
Perfluoropentanoic acid (PFPeA)	**2.9**		1.9	0.46	ng/L		08/06/21 20:10	08/10/21 10:59	1
Perfluorohexanoic acid (PFHxA)	**1.6**	**J**	1.9	0.55	ng/L		08/06/21 20:10	08/10/21 10:59	1
Perfluoroheptanoic acid (PFHpA)	**1.3**	**J**	1.9	0.24	ng/L		08/06/21 20:10	08/10/21 10:59	1
Perfluorooctanoic acid (PFOA)	**1.9**		1.9	0.81	ng/L		08/06/21 20:10	08/10/21 10:59	1
Perfluorononanoic acid (PFNA)	**0.63**	**J**	1.9	0.26	ng/L		08/06/21 20:10	08/10/21 10:59	1
Perfluorodecanoic acid (PFDA)	**0.40**	**J**	1.9	0.29	ng/L		08/06/21 20:10	08/10/21 10:59	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		08/06/21 20:10	08/10/21 10:59	1
Perfluorododecanoic acid (PFDoA)	<0.52		1.9	0.52	ng/L		08/06/21 20:10	08/10/21 10:59	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.9	1.2	ng/L		08/06/21 20:10	08/10/21 10:59	1
Perfluorotetradecanoic acid (PFTeA)	<0.69		1.9	0.69	ng/L		08/06/21 20:10	08/10/21 10:59	1
Perfluorobutanesulfonic acid (PFBS)	<0.19		1.9	0.19	ng/L		08/06/21 20:10	08/10/21 10:59	1
Perfluoropentanesulfonic acid (PFPeS)	<0.28		1.9	0.28	ng/L		08/06/21 20:10	08/10/21 10:59	1
Perfluorohexanesulfonic acid (PFHxS)	<0.54		1.9	0.54	ng/L		08/06/21 20:10	08/10/21 10:59	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.18		1.9	0.18	ng/L		08/06/21 20:10	08/10/21 10:59	1
Perfluorooctanesulfonic acid (PFOS)	**2.3**		1.9	0.51	ng/L		08/06/21 20:10	08/10/21 10:59	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		08/06/21 20:10	08/10/21 10:59	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		08/06/21 20:10	08/10/21 10:59	1
Perfluorododecanesulfonic acid (PFDoS)	<0.92		1.9	0.92	ng/L		08/06/21 20:10	08/10/21 10:59	1
Perfluorooctanesulfonamide (FOSA)	<0.93		1.9	0.93	ng/L		08/06/21 20:10	08/10/21 10:59	1
NEtFOSA	<0.82		1.9	0.82	ng/L		08/06/21 20:10	08/10/21 10:59	1
NMeFOSA	<0.41		1.9	0.41	ng/L		08/06/21 20:10	08/10/21 10:59	1
NMeFOSAA	<1.1		4.7	1.1	ng/L		08/06/21 20:10	08/10/21 10:59	1
NEtFOSAA	<1.2		4.7	1.2	ng/L		08/06/21 20:10	08/10/21 10:59	1
NMeFOSE	<1.3		3.8	1.3	ng/L		08/06/21 20:10	08/10/21 10:59	1
NEtFOSE	<0.81		1.9	0.81	ng/L		08/06/21 20:10	08/10/21 10:59	1

Client: Ramboll US Corporation
Project/Site: Former Mirro 20 - Chilton 1690019558

Job ID: 500-203366-1

Client Sample ID: PZ-9
Date Collected: 08/03/21 16:00
Date Received: 08/05/21 09:45

Lab Sample ID: 500-203366-20
Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4:2 FTS	<0.23		1.9	0.23	ng/L		08/06/21 20:10	08/10/21 10:59	1
6:2 FTS	<2.4		4.7	2.4	ng/L		08/06/21 20:10	08/10/21 10:59	1
8:2 FTS	<0.44		1.9	0.44	ng/L		08/06/21 20:10	08/10/21 10:59	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.38		1.9	0.38	ng/L		08/06/21 20:10	08/10/21 10:59	1
HFPO-DA (GenX)	<1.4		3.8	1.4	ng/L		08/06/21 20:10	08/10/21 10:59	1
9Cl-PF3ONS	<0.23		1.9	0.23	ng/L		08/06/21 20:10	08/10/21 10:59	1
11Cl-PF3OUdS	<0.30		1.9	0.30	ng/L		08/06/21 20:10	08/10/21 10:59	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*86*		*25 - 150*	*08/06/21 20:10*	*08/10/21 10:59*	*1*
13C5 PFPeA	*94*		*25 - 150*	*08/06/21 20:10*	*08/10/21 10:59*	*1*
13C2 PFHxA	*98*		*25 - 150*	*08/06/21 20:10*	*08/10/21 10:59*	*1*
13C4 PFHpA	*104*		*25 - 150*	*08/06/21 20:10*	*08/10/21 10:59*	*1*
13C4 PFOA	*97*		*25 - 150*	*08/06/21 20:10*	*08/10/21 10:59*	*1*
13C5 PFNA	*103*		*25 - 150*	*08/06/21 20:10*	*08/10/21 10:59*	*1*
13C2 PFDA	*102*		*25 - 150*	*08/06/21 20:10*	*08/10/21 10:59*	*1*
13C2 PFUnA	*94*		*25 - 150*	*08/06/21 20:10*	*08/10/21 10:59*	*1*
13C2 PFDoA	*91*		*25 - 150*	*08/06/21 20:10*	*08/10/21 10:59*	*1*
13C2 PFTeDA	*89*		*25 - 150*	*08/06/21 20:10*	*08/10/21 10:59*	*1*
13C3 PFBS	*91*		*25 - 150*	*08/06/21 20:10*	*08/10/21 10:59*	*1*
18O2 PFHxS	*97*		*25 - 150*	*08/06/21 20:10*	*08/10/21 10:59*	*1*
13C4 PFOS	*88*		*25 - 150*	*08/06/21 20:10*	*08/10/21 10:59*	*1*
13C8 FOSA	*90*		*10 - 150*	*08/06/21 20:10*	*08/10/21 10:59*	*1*
d3-NMeFOSAA	*74*		*25 - 150*	*08/06/21 20:10*	*08/10/21 10:59*	*1*
d5-NEtFOSAA	*86*		*25 - 150*	*08/06/21 20:10*	*08/10/21 10:59*	*1*
d-N-MeFOSA-M	*76*		*10 - 150*	*08/06/21 20:10*	*08/10/21 10:59*	*1*
d-N-EtFOSA-M	*74*		*10 - 150*	*08/06/21 20:10*	*08/10/21 10:59*	*1*
d7-N-MeFOSE-M	*71*		*10 - 150*	*08/06/21 20:10*	*08/10/21 10:59*	*1*
d9-N-EtFOSE-M	*75*		*10 - 150*	*08/06/21 20:10*	*08/10/21 10:59*	*1*
M2-4:2 FTS	*109*		*25 - 150*	*08/06/21 20:10*	*08/10/21 10:59*	*1*
M2-6:2 FTS	*131*		*25 - 150*	*08/06/21 20:10*	*08/10/21 10:59*	*1*
M2-8:2 FTS	*116*		*25 - 150*	*08/06/21 20:10*	*08/10/21 10:59*	*1*
13C3 HFPO-DA	*102*		*25 - 150*	*08/06/21 20:10*	*08/10/21 10:59*	*1*
13C2 10:2 FTS	*91*		*25 - 150*	*08/06/21 20:10*	*08/10/21 10:59*	*1*

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.92**	**J B**	1.0	0.23	ug/L		08/09/21 08:40	08/09/21 22:50	1
Barium	**120**		2.5	0.73	ug/L		08/09/21 08:40	08/09/21 22:50	1
Cadmium	<0.17		0.50	0.17	ug/L		08/09/21 08:40	08/09/21 22:50	1
Chromium	<1.1		5.0	1.1	ug/L		08/09/21 08:40	08/09/21 22:50	1
Lead	<0.19		0.50	0.19	ug/L		08/09/21 08:40	08/09/21 22:50	1
Selenium	**1.5**	**J B ^+**	2.5	0.98	ug/L		08/09/21 08:40	08/10/21 20:56	1
Silver	<0.12		0.50	0.12	ug/L		08/09/21 08:40	08/09/21 22:50	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.098		0.20	0.098	ug/L		08/13/21 10:05	08/16/21 09:44	1

Client: Ramboll US Corporation
Project/Site: Former Mirro 20 - Chilton 1690019558

Job ID: 500-203366-1

Client Sample ID: MW-9

Date Collected: 08/03/21 16:50
Date Received: 08/05/21 09:45

Lab Sample ID: 500-203366-21

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			08/13/21 17:02	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/13/21 17:02	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/13/21 17:02	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/13/21 17:02	1
Bromoform	<0.48		1.0	0.48	ug/L			08/13/21 17:02	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/13/21 17:02	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			08/13/21 17:02	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/13/21 17:02	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/13/21 17:02	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/13/21 17:02	1
Chloroform	<0.37		2.0	0.37	ug/L			08/13/21 17:02	1
Chloromethane	<0.32		1.0	0.32	ug/L			08/13/21 17:02	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/13/21 17:02	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/13/21 17:02	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			08/13/21 17:02	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/13/21 17:02	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/13/21 17:02	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/13/21 17:02	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/13/21 17:02	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/13/21 17:02	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/13/21 17:02	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/13/21 17:02	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/13/21 17:02	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/13/21 17:02	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/13/21 17:02	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/13/21 17:02	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/13/21 17:02	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/13/21 17:02	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/13/21 17:02	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/13/21 17:02	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/13/21 17:02	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/13/21 17:02	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/13/21 17:02	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			08/13/21 17:02	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/13/21 17:02	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/13/21 17:02	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/13/21 17:02	1
Naphthalene	<0.34		1.0	0.34	ug/L			08/13/21 17:02	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/13/21 17:02	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			08/13/21 17:02	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			08/13/21 17:02	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			08/13/21 17:02	1
Styrene	<0.39		1.0	0.39	ug/L			08/13/21 17:02	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			08/13/21 17:02	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/13/21 17:02	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/13/21 17:02	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			08/13/21 17:02	1
Toluene	**0.16**	**J**	0.50	0.15	ug/L			08/13/21 17:02	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			08/13/21 17:02	1

Client Sample ID: MW-9
Lab Sample ID: 500-203366-21
Date Collected: 08/03/21 16:50
Matrix: Water
Date Received: 08/05/21 09:45

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/13/21 17:02	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/13/21 17:02	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/13/21 17:02	1
1,1,1-Trichloroethane	**2.0**		1.0	0.38	ug/L			08/13/21 17:02	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/13/21 17:02	1
Trichloroethene	<0.16		0.50	0.16	ug/L			08/13/21 17:02	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/13/21 17:02	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/13/21 17:02	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			08/13/21 17:02	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			08/13/21 17:02	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/13/21 17:02	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			08/13/21 17:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*72 - 124*		*08/13/21 17:02*	*1*
Dibromofluoromethane (Surr)	*91*		*75 - 120*		*08/13/21 17:02*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*75 - 126*		*08/13/21 17:02*	*1*
Toluene-d8 (Surr)	*99*		*75 - 120*		*08/13/21 17:02*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.2		4.6	2.2	ng/L		08/06/21 20:10	08/09/21 17:02	1
Perfluoropentanoic acid (PFPeA)	**0.49**	**J**	1.9	0.46	ng/L		08/06/21 20:10	08/09/21 17:02	1
Perfluorohexanoic acid (PFHxA)	**0.95**	**J**	1.9	0.54	ng/L		08/06/21 20:10	08/09/21 17:02	1
Perfluoroheptanoic acid (PFHpA)	**0.42**	**J**	1.9	0.23	ng/L		08/06/21 20:10	08/09/21 17:02	1
Perfluorooctanoic acid (PFOA)	**3.8**		1.9	0.79	ng/L		08/06/21 20:10	08/09/21 17:02	1
Perfluorononanoic acid (PFNA)	<0.25		1.9	0.25	ng/L		08/06/21 20:10	08/09/21 17:02	1
Perfluorodecanoic acid (PFDA)	<0.29		1.9	0.29	ng/L		08/06/21 20:10	08/09/21 17:02	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		08/06/21 20:10	08/09/21 17:02	1
Perfluorododecanoic acid (PFDoA)	<0.51		1.9	0.51	ng/L		08/06/21 20:10	08/09/21 17:02	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.9	1.2	ng/L		08/06/21 20:10	08/09/21 17:02	1
Perfluorotetradecanoic acid (PFTeA)	<0.68		1.9	0.68	ng/L		08/06/21 20:10	08/09/21 17:02	1
Perfluorobutanesulfonic acid (PFBS)	**1.2**	**J**	1.9	0.19	ng/L		08/06/21 20:10	08/09/21 17:02	1
Perfluoropentanesulfonic acid (PFPeS)	**0.41**	**J**	1.9	0.28	ng/L		08/06/21 20:10	08/09/21 17:02	1
Perfluorohexanesulfonic acid (PFHxS)	**15**		1.9	0.53	ng/L		08/06/21 20:10	08/09/21 17:02	1
Perfluoroheptanesulfonic Acid (PFHpS)	**0.38**	**J**	1.9	0.18	ng/L		08/06/21 20:10	08/09/21 17:02	1
Perfluorooctanesulfonic acid (PFOS)	**55**		1.9	0.50	ng/L		08/06/21 20:10	08/09/21 17:02	1
Perfluorononanesulfonic acid (PFNS)	<0.34		1.9	0.34	ng/L		08/06/21 20:10	08/09/21 17:02	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		08/06/21 20:10	08/09/21 17:02	1
Perfluorododecanesulfonic acid (PFDoS)	<0.90		1.9	0.90	ng/L		08/06/21 20:10	08/09/21 17:02	1
Perfluorooctanesulfonamide (FOSA)	<0.91		1.9	0.91	ng/L		08/06/21 20:10	08/09/21 17:02	1
NEtFOSA	<0.81		1.9	0.81	ng/L		08/06/21 20:10	08/09/21 17:02	1
NMeFOSA	<0.40		1.9	0.40	ng/L		08/06/21 20:10	08/09/21 17:02	1
NMeFOSAA	<1.1		4.6	1.1	ng/L		08/06/21 20:10	08/09/21 17:02	1
NEtFOSAA	<1.2		4.6	1.2	ng/L		08/06/21 20:10	08/09/21 17:02	1

Client Sample ID: MW-9
Lab Sample ID: 500-203366-21
Date Collected: 08/03/21 16:50
Matrix: Water
Date Received: 08/05/21 09:45

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
NMeFOSE	<1.3		3.7	1.3	ng/L		08/06/21 20:10	08/09/21 17:02	1
NEtFOSE	<0.79		1.9	0.79	ng/L		08/06/21 20:10	08/09/21 17:02	1
4:2 FTS	<0.22		1.9	0.22	ng/L		08/06/21 20:10	08/09/21 17:02	1
6:2 FTS	<2.3		4.6	2.3	ng/L		08/06/21 20:10	08/09/21 17:02	1
8:2 FTS	<0.43		1.9	0.43	ng/L		08/06/21 20:10	08/09/21 17:02	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.37		1.9	0.37	ng/L		08/06/21 20:10	08/09/21 17:02	1
HFPO-DA (GenX)	<1.4		3.7	1.4	ng/L		08/06/21 20:10	08/09/21 17:02	1
9Cl-PF3ONS	<0.22		1.9	0.22	ng/L		08/06/21 20:10	08/09/21 17:02	1
11Cl-PF3OUdS	<0.30		1.9	0.30	ng/L		08/06/21 20:10	08/09/21 17:02	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*93*		*25 - 150*	*08/06/21 20:10*	*08/09/21 17:02*	*1*
13C5 PFPeA	*105*		*25 - 150*	*08/06/21 20:10*	*08/09/21 17:02*	*1*
13C2 PFHxA	*104*		*25 - 150*	*08/06/21 20:10*	*08/09/21 17:02*	*1*
13C4 PFHpA	*104*		*25 - 150*	*08/06/21 20:10*	*08/09/21 17:02*	*1*
13C4 PFOA	*97*		*25 - 150*	*08/06/21 20:10*	*08/09/21 17:02*	*1*
13C5 PFNA	*113*		*25 - 150*	*08/06/21 20:10*	*08/09/21 17:02*	*1*
13C2 PFDA	*109*		*25 - 150*	*08/06/21 20:10*	*08/09/21 17:02*	*1*
13C2 PFUnA	*112*		*25 - 150*	*08/06/21 20:10*	*08/09/21 17:02*	*1*
13C2 PFDoA	*95*		*25 - 150*	*08/06/21 20:10*	*08/09/21 17:02*	*1*
13C2 PFTeDA	*108*		*25 - 150*	*08/06/21 20:10*	*08/09/21 17:02*	*1*
13C3 PFBS	*98*		*25 - 150*	*08/06/21 20:10*	*08/09/21 17:02*	*1*
18O2 PFHxS	*94*		*25 - 150*	*08/06/21 20:10*	*08/09/21 17:02*	*1*
13C4 PFOS	*94*		*25 - 150*	*08/06/21 20:10*	*08/09/21 17:02*	*1*
13C8 FOSA	*103*		*10 - 150*	*08/06/21 20:10*	*08/09/21 17:02*	*1*
d3-NMeFOSAA	*84*		*25 - 150*	*08/06/21 20:10*	*08/09/21 17:02*	*1*
d5-NEtFOSAA	*106*		*25 - 150*	*08/06/21 20:10*	*08/09/21 17:02*	*1*
d-N-MeFOSA-M	*86*		*10 - 150*	*08/06/21 20:10*	*08/09/21 17:02*	*1*
d-N-EtFOSA-M	*83*		*10 - 150*	*08/06/21 20:10*	*08/09/21 17:02*	*1*
d7-N-MeFOSE-M	*83*		*10 - 150*	*08/06/21 20:10*	*08/09/21 17:02*	*1*
d9-N-EtFOSE-M	*101*		*10 - 150*	*08/06/21 20:10*	*08/09/21 17:02*	*1*
M2-4:2 FTS	*117*		*25 - 150*	*08/06/21 20:10*	*08/09/21 17:02*	*1*
M2-6:2 FTS	*118*		*25 - 150*	*08/06/21 20:10*	*08/09/21 17:02*	*1*
M2-8:2 FTS	*122*		*25 - 150*	*08/06/21 20:10*	*08/09/21 17:02*	*1*
13C3 HFPO-DA	*109*		*25 - 150*	*08/06/21 20:10*	*08/09/21 17:02*	*1*
13C2 10:2 FTS	*114*		*25 - 150*	*08/06/21 20:10*	*08/09/21 17:02*	*1*

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.71**	**J**	1.0	0.23	ug/L		08/11/21 08:24	08/11/21 23:23	1
Barium	**75**		2.5	0.73	ug/L		08/11/21 08:24	08/11/21 23:23	1
Cadmium	<0.17		0.50	0.17	ug/L		08/11/21 08:24	08/11/21 23:23	1
Chromium	<1.1		5.0	1.1	ug/L		08/11/21 08:24	08/11/21 23:23	1
Lead	<0.19		0.50	0.19	ug/L		08/11/21 08:24	08/11/21 23:23	1
Selenium	**4.1**		2.5	0.98	ug/L		08/11/21 08:24	08/11/21 23:23	1
Silver	<0.12		0.50	0.12	ug/L		08/11/21 08:24	08/11/21 23:23	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.098		0.20	0.098	ug/L		08/13/21 10:05	08/16/21 09:46	1

Client: Ramboll US Corporation
Project/Site: Former Mirro 20 - Chilton 1690019558

Job ID: 500-203366-1

Client Sample ID: EB-02
Date Collected: 08/03/21 17:15
Date Received: 08/05/21 09:45

Lab Sample ID: 500-203366-22
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			08/15/21 19:10	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/15/21 19:10	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/15/21 19:10	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/15/21 19:10	1
Bromoform	<0.48		1.0	0.48	ug/L			08/15/21 19:10	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/15/21 19:10	1
2-Butanone (MEK)	**2.5**	**J**	5.0	2.1	ug/L			08/15/21 19:10	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/15/21 19:10	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/15/21 19:10	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/15/21 19:10	1
Chloroform	**0.73**	**J**	2.0	0.37	ug/L			08/15/21 19:10	1
Chloromethane	<0.32		1.0	0.32	ug/L			08/15/21 19:10	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/15/21 19:10	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/15/21 19:10	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			08/15/21 19:10	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/15/21 19:10	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/15/21 19:10	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/15/21 19:10	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/15/21 19:10	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/15/21 19:10	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/15/21 19:10	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/15/21 19:10	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/15/21 19:10	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/15/21 19:10	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/15/21 19:10	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/15/21 19:10	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/15/21 19:10	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/15/21 19:10	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/15/21 19:10	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/15/21 19:10	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/15/21 19:10	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/15/21 19:10	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/15/21 19:10	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			08/15/21 19:10	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/15/21 19:10	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/15/21 19:10	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/15/21 19:10	1
Naphthalene	<0.34		1.0	0.34	ug/L			08/15/21 19:10	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/15/21 19:10	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			08/15/21 19:10	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			08/15/21 19:10	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			08/15/21 19:10	1
Styrene	<0.39		1.0	0.39	ug/L			08/15/21 19:10	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			08/15/21 19:10	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/15/21 19:10	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/15/21 19:10	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			08/15/21 19:10	1
Toluene	**0.34**	**J**	0.50	0.15	ug/L			08/15/21 19:10	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			08/15/21 19:10	1

Client Sample ID: EB-02
Lab Sample ID: 500-203366-22
Date Collected: 08/03/21 17:15
Matrix: Water
Date Received: 08/05/21 09:45

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/15/21 19:10	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/15/21 19:10	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/15/21 19:10	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/15/21 19:10	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/15/21 19:10	1
Trichloroethene	<0.16		0.50	0.16	ug/L			08/15/21 19:10	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/15/21 19:10	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/15/21 19:10	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			08/15/21 19:10	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			08/15/21 19:10	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/15/21 19:10	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			08/15/21 19:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*72 - 124*		*08/15/21 19:10*	*1*
Dibromofluoromethane (Surr)	*108*		*75 - 120*		*08/15/21 19:10*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*75 - 126*		*08/15/21 19:10*	*1*
Toluene-d8 (Surr)	*98*		*75 - 120*		*08/15/21 19:10*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.2		4.6	2.2	ng/L		08/06/21 20:10	08/09/21 17:11	1
Perfluoropentanoic acid (PFPeA)	<0.45		1.8	0.45	ng/L		08/06/21 20:10	08/09/21 17:11	1
Perfluorohexanoic acid (PFHxA)	<0.53		1.8	0.53	ng/L		08/06/21 20:10	08/09/21 17:11	1
Perfluoroheptanoic acid (PFHpA)	<0.23		1.8	0.23	ng/L		08/06/21 20:10	08/09/21 17:11	1
Perfluorooctanoic acid (PFOA)	<0.78		1.8	0.78	ng/L		08/06/21 20:10	08/09/21 17:11	1
Perfluorononanoic acid (PFNA)	<0.25		1.8	0.25	ng/L		08/06/21 20:10	08/09/21 17:11	1
Perfluorodecanoic acid (PFDA)	<0.28		1.8	0.28	ng/L		08/06/21 20:10	08/09/21 17:11	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.8	1.0	ng/L		08/06/21 20:10	08/09/21 17:11	1
Perfluorododecanoic acid (PFDoA)	<0.50		1.8	0.50	ng/L		08/06/21 20:10	08/09/21 17:11	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.8	1.2	ng/L		08/06/21 20:10	08/09/21 17:11	1
Perfluorotetradecanoic acid (PFTeA)	<0.67		1.8	0.67	ng/L		08/06/21 20:10	08/09/21 17:11	1
Perfluorobutanesulfonic acid (PFBS)	<0.18		1.8	0.18	ng/L		08/06/21 20:10	08/09/21 17:11	1
Perfluoropentanesulfonic acid (PFPeS)	<0.27		1.8	0.27	ng/L		08/06/21 20:10	08/09/21 17:11	1
Perfluorohexanesulfonic acid (PFHxS)	<0.52		1.8	0.52	ng/L		08/06/21 20:10	08/09/21 17:11	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.17		1.8	0.17	ng/L		08/06/21 20:10	08/09/21 17:11	1
Perfluorooctanesulfonic acid (PFOS)	<0.49		1.8	0.49	ng/L		08/06/21 20:10	08/09/21 17:11	1
Perfluorononanesulfonic acid (PFNS)	<0.34		1.8	0.34	ng/L		08/06/21 20:10	08/09/21 17:11	1
Perfluorodecanesulfonic acid (PFDS)	<0.29		1.8	0.29	ng/L		08/06/21 20:10	08/09/21 17:11	1
Perfluorododecanesulfonic acid (PFDoS)	<0.89		1.8	0.89	ng/L		08/06/21 20:10	08/09/21 17:11	1
Perfluorooctanesulfonamide (FOSA)	<0.90		1.8	0.90	ng/L		08/06/21 20:10	08/09/21 17:11	1
NEtFOSA	<0.80		1.8	0.80	ng/L		08/06/21 20:10	08/09/21 17:11	1
NMeFOSA	<0.39		1.8	0.39	ng/L		08/06/21 20:10	08/09/21 17:11	1
NMeFOSAA	<1.1		4.6	1.1	ng/L		08/06/21 20:10	08/09/21 17:11	1
NEtFOSAA	<1.2		4.6	1.2	ng/L		08/06/21 20:10	08/09/21 17:11	1
NMeFOSE	<1.3		3.7	1.3	ng/L		08/06/21 20:10	08/09/21 17:11	1
NEtFOSE	<0.78		1.8	0.78	ng/L		08/06/21 20:10	08/09/21 17:11	1
4:2 FTS	<0.22		1.8	0.22	ng/L		08/06/21 20:10	08/09/21 17:11	1

Client Sample ID: EB-02
Lab Sample ID: 500-203366-22
Date Collected: 08/03/21 17:15
Matrix: Water
Date Received: 08/05/21 09:45

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
6:2 FTS	<2.3		4.6	2.3	ng/L		08/06/21 20:10	08/09/21 17:11	1
8:2 FTS	<0.42		1.8	0.42	ng/L		08/06/21 20:10	08/09/21 17:11	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.37		1.8	0.37	ng/L		08/06/21 20:10	08/09/21 17:11	1
HFPO-DA (GenX)	<1.4		3.7	1.4	ng/L		08/06/21 20:10	08/09/21 17:11	1
9Cl-PF3ONS	<0.22		1.8	0.22	ng/L		08/06/21 20:10	08/09/21 17:11	1
11Cl-PF3OUdS	<0.29		1.8	0.29	ng/L		08/06/21 20:10	08/09/21 17:11	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*93*		*25 - 150*	*08/06/21 20:10*	*08/09/21 17:11*	*1*
13C5 PFPeA	*99*		*25 - 150*	*08/06/21 20:10*	*08/09/21 17:11*	*1*
13C2 PFHxA	*99*		*25 - 150*	*08/06/21 20:10*	*08/09/21 17:11*	*1*
13C4 PFHpA	*107*		*25 - 150*	*08/06/21 20:10*	*08/09/21 17:11*	*1*
13C4 PFOA	*100*		*25 - 150*	*08/06/21 20:10*	*08/09/21 17:11*	*1*
13C5 PFNA	*102*		*25 - 150*	*08/06/21 20:10*	*08/09/21 17:11*	*1*
13C2 PFDA	*111*		*25 - 150*	*08/06/21 20:10*	*08/09/21 17:11*	*1*
13C2 PFUnA	*115*		*25 - 150*	*08/06/21 20:10*	*08/09/21 17:11*	*1*
13C2 PFDoA	*98*		*25 - 150*	*08/06/21 20:10*	*08/09/21 17:11*	*1*
13C2 PFTeDA	*100*		*25 - 150*	*08/06/21 20:10*	*08/09/21 17:11*	*1*
13C3 PFBS	*91*		*25 - 150*	*08/06/21 20:10*	*08/09/21 17:11*	*1*
18O2 PFHxS	*90*		*25 - 150*	*08/06/21 20:10*	*08/09/21 17:11*	*1*
13C4 PFOS	*92*		*25 - 150*	*08/06/21 20:10*	*08/09/21 17:11*	*1*
13C8 FOSA	*93*		*10 - 150*	*08/06/21 20:10*	*08/09/21 17:11*	*1*
d3-NMeFOSAA	*89*		*25 - 150*	*08/06/21 20:10*	*08/09/21 17:11*	*1*
d5-NEtFOSAA	*97*		*25 - 150*	*08/06/21 20:10*	*08/09/21 17:11*	*1*
d-N-MeFOSA-M	*88*		*10 - 150*	*08/06/21 20:10*	*08/09/21 17:11*	*1*
d-N-EtFOSA-M	*84*		*10 - 150*	*08/06/21 20:10*	*08/09/21 17:11*	*1*
d7-N-MeFOSE-M	*90*		*10 - 150*	*08/06/21 20:10*	*08/09/21 17:11*	*1*
d9-N-EtFOSE-M	*98*		*10 - 150*	*08/06/21 20:10*	*08/09/21 17:11*	*1*
M2-4:2 FTS	*112*		*25 - 150*	*08/06/21 20:10*	*08/09/21 17:11*	*1*
M2-6:2 FTS	*124*		*25 - 150*	*08/06/21 20:10*	*08/09/21 17:11*	*1*
M2-8:2 FTS	*120*		*25 - 150*	*08/06/21 20:10*	*08/09/21 17:11*	*1*
13C3 HFPO-DA	*106*		*25 - 150*	*08/06/21 20:10*	*08/09/21 17:11*	*1*
13C2 10:2 FTS	*122*		*25 - 150*	*08/06/21 20:10*	*08/09/21 17:11*	*1*

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.44**	**J**	1.0	0.23	ug/L		08/11/21 08:24	08/11/21 23:27	1
Barium	<0.73		2.5	0.73	ug/L		08/11/21 08:24	08/11/21 23:27	1
Cadmium	<0.17		0.50	0.17	ug/L		08/11/21 08:24	08/11/21 23:27	1
Chromium	<1.1		5.0	1.1	ug/L		08/11/21 08:24	08/11/21 23:27	1
Lead	<0.19		0.50	0.19	ug/L		08/11/21 08:24	08/11/21 23:27	1
Selenium	<0.98		2.5	0.98	ug/L		08/11/21 08:24	08/11/21 23:27	1
Silver	<0.12		0.50	0.12	ug/L		08/11/21 08:24	08/11/21 23:27	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.098		0.20	0.098	ug/L		08/13/21 10:05	08/16/21 09:52	1

Client: Ramboll US Corporation
Project/Site: Former Mirro 20 - Chilton 1690019558

Job ID: 500-203366-1

Client Sample ID: FB-02
Date Collected: 08/03/21 17:20
Date Received: 08/05/21 09:45

Lab Sample ID: 500-203366-23
Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.3		4.9	2.3	ng/L		08/06/21 20:10	08/09/21 17:49	1
Perfluoropentanoic acid (PFPeA)	<0.48		1.9	0.48	ng/L		08/06/21 20:10	08/09/21 17:49	1
Perfluorohexanoic acid (PFHxA)	<0.56		1.9	0.56	ng/L		08/06/21 20:10	08/09/21 17:49	1
Perfluoroheptanoic acid (PFHpA)	<0.24		1.9	0.24	ng/L		08/06/21 20:10	08/09/21 17:49	1
Perfluorooctanoic acid (PFOA)	<0.83		1.9	0.83	ng/L		08/06/21 20:10	08/09/21 17:49	1
Perfluorononanoic acid (PFNA)	<0.26		1.9	0.26	ng/L		08/06/21 20:10	08/09/21 17:49	1
Perfluorodecanoic acid (PFDA)	<0.30		1.9	0.30	ng/L		08/06/21 20:10	08/09/21 17:49	1
Perfluoroundecanoic acid (PFUnA)	<1.1		1.9	1.1	ng/L		08/06/21 20:10	08/09/21 17:49	1
Perfluorododecanoic acid (PFDoA)	<0.53		1.9	0.53	ng/L		08/06/21 20:10	08/09/21 17:49	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		1.9	1.3	ng/L		08/06/21 20:10	08/09/21 17:49	1
Perfluorotetradecanoic acid (PFTeA)	<0.71		1.9	0.71	ng/L		08/06/21 20:10	08/09/21 17:49	1
Perfluorobutanesulfonic acid (PFBS)	<0.19		1.9	0.19	ng/L		08/06/21 20:10	08/09/21 17:49	1
Perfluoropentanesulfonic acid (PFPeS)	<0.29		1.9	0.29	ng/L		08/06/21 20:10	08/09/21 17:49	1
Perfluorohexanesulfonic acid (PFHxS)	<0.55		1.9	0.55	ng/L		08/06/21 20:10	08/09/21 17:49	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.18		1.9	0.18	ng/L		08/06/21 20:10	08/09/21 17:49	1
Perfluorooctanesulfonic acid (PFOS)	<0.52		1.9	0.52	ng/L		08/06/21 20:10	08/09/21 17:49	1
Perfluorononanesulfonic acid (PFNS)	<0.36		1.9	0.36	ng/L		08/06/21 20:10	08/09/21 17:49	1
Perfluorodecanesulfonic acid (PFDS)	<0.31		1.9	0.31	ng/L		08/06/21 20:10	08/09/21 17:49	1
Perfluorododecanesulfonic acid (PFDoS)	<0.94		1.9	0.94	ng/L		08/06/21 20:10	08/09/21 17:49	1
Perfluorooctanesulfonamide (FOSA)	<0.95		1.9	0.95	ng/L		08/06/21 20:10	08/09/21 17:49	1
NEtFOSA	<0.85		1.9	0.85	ng/L		08/06/21 20:10	08/09/21 17:49	1
NMeFOSA	<0.42		1.9	0.42	ng/L		08/06/21 20:10	08/09/21 17:49	1
NMeFOSAA	<1.2		4.9	1.2	ng/L		08/06/21 20:10	08/09/21 17:49	1
NEtFOSAA	<1.3		4.9	1.3	ng/L		08/06/21 20:10	08/09/21 17:49	1
NMeFOSE	<1.4		3.9	1.4	ng/L		08/06/21 20:10	08/09/21 17:49	1
NEtFOSE	<0.83		1.9	0.83	ng/L		08/06/21 20:10	08/09/21 17:49	1
4:2 FTS	<0.23		1.9	0.23	ng/L		08/06/21 20:10	08/09/21 17:49	1
6:2 FTS	<2.4		4.9	2.4	ng/L		08/06/21 20:10	08/09/21 17:49	1
8:2 FTS	<0.45		1.9	0.45	ng/L		08/06/21 20:10	08/09/21 17:49	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.39		1.9	0.39	ng/L		08/06/21 20:10	08/09/21 17:49	1
HFPO-DA (GenX)	<1.5		3.9	1.5	ng/L		08/06/21 20:10	08/09/21 17:49	1
9Cl-PF3ONS	<0.23		1.9	0.23	ng/L		08/06/21 20:10	08/09/21 17:49	1
11Cl-PF3OUdS	<0.31		1.9	0.31	ng/L		08/06/21 20:10	08/09/21 17:49	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*101*		*25 - 150*	*08/06/21 20:10*	*08/09/21 17:49*	*1*
13C5 PFPeA	*97*		*25 - 150*	*08/06/21 20:10*	*08/09/21 17:49*	*1*
13C2 PFHxA	*99*		*25 - 150*	*08/06/21 20:10*	*08/09/21 17:49*	*1*
13C4 PFHpA	*103*		*25 - 150*	*08/06/21 20:10*	*08/09/21 17:49*	*1*
13C4 PFOA	*105*		*25 - 150*	*08/06/21 20:10*	*08/09/21 17:49*	*1*
13C5 PFNA	*104*		*25 - 150*	*08/06/21 20:10*	*08/09/21 17:49*	*1*
13C2 PFDA	*119*		*25 - 150*	*08/06/21 20:10*	*08/09/21 17:49*	*1*
13C2 PFUnA	*104*		*25 - 150*	*08/06/21 20:10*	*08/09/21 17:49*	*1*
13C2 PFDoA	*100*		*25 - 150*	*08/06/21 20:10*	*08/09/21 17:49*	*1*
13C2 PFTeDA	*108*		*25 - 150*	*08/06/21 20:10*	*08/09/21 17:49*	*1*
13C3 PFBS	*94*		*25 - 150*	*08/06/21 20:10*	*08/09/21 17:49*	*1*
18O2 PFHxS	*94*		*25 - 150*	*08/06/21 20:10*	*08/09/21 17:49*	*1*

Client: Ramboll US Corporation
Project/Site: Former Mirro 20 - Chilton 1690019558

Job ID: 500-203366-1

Client Sample ID: FB-02
Date Collected: 08/03/21 17:20
Date Received: 08/05/21 09:45

Lab Sample ID: 500-203366-23
Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFOS	98		25 - 150	08/06/21 20:10	08/09/21 17:49	1
13C8 FOSA	96		10 - 150	08/06/21 20:10	08/09/21 17:49	1
d3-NMeFOSAA	94		25 - 150	08/06/21 20:10	08/09/21 17:49	1
d5-NEtFOSAA	106		25 - 150	08/06/21 20:10	08/09/21 17:49	1
d-N-MeFOSA-M	91		10 - 150	08/06/21 20:10	08/09/21 17:49	1
d-N-EtFOSA-M	88		10 - 150	08/06/21 20:10	08/09/21 17:49	1
d7-N-MeFOSE-M	93		10 - 150	08/06/21 20:10	08/09/21 17:49	1
d9-N-EtFOSE-M	99		10 - 150	08/06/21 20:10	08/09/21 17:49	1
M2-4:2 FTS	111		25 - 150	08/06/21 20:10	08/09/21 17:49	1
M2-6:2 FTS	134		25 - 150	08/06/21 20:10	08/09/21 17:49	1
M2-8:2 FTS	138		25 - 150	08/06/21 20:10	08/09/21 17:49	1
13C3 HFPO-DA	109		25 - 150	08/06/21 20:10	08/09/21 17:49	1
13C2 10:2 FTS	129		25 - 150	08/06/21 20:10	08/09/21 17:49	1

Client: Ramboll US Corporation
Project/Site: Former Mirro 20 - Chilton 1690019558

Job ID: 500-203366-1

Client Sample ID: FB-01
Date Collected: 08/03/21 17:00
Date Received: 08/05/21 09:45

Lab Sample ID: 500-203366-24
Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.0		4.2	2.0	ng/L		08/06/21 20:10	08/09/21 17:58	1
Perfluoropentanoic acid (PFPeA)	<0.41		1.7	0.41	ng/L		08/06/21 20:10	08/09/21 17:58	1
Perfluorohexanoic acid (PFHxA)	<0.48		1.7	0.48	ng/L		08/06/21 20:10	08/09/21 17:58	1
Perfluoroheptanoic acid (PFHpA)	<0.21		1.7	0.21	ng/L		08/06/21 20:10	08/09/21 17:58	1
Perfluorooctanoic acid (PFOA)	<0.71		1.7	0.71	ng/L		08/06/21 20:10	08/09/21 17:58	1
Perfluorononanoic acid (PFNA)	<0.22		1.7	0.22	ng/L		08/06/21 20:10	08/09/21 17:58	1
Perfluorodecanoic acid (PFDA)	<0.26		1.7	0.26	ng/L		08/06/21 20:10	08/09/21 17:58	1
Perfluoroundecanoic acid (PFUnA)	<0.92		1.7	0.92	ng/L		08/06/21 20:10	08/09/21 17:58	1
Perfluorododecanoic acid (PFDoA)	<0.46		1.7	0.46	ng/L		08/06/21 20:10	08/09/21 17:58	1
Perfluorotridecanoic acid (PFTrDA)	<1.1		1.7	1.1	ng/L		08/06/21 20:10	08/09/21 17:58	1
Perfluorotetradecanoic acid (PFTeA)	<0.61		1.7	0.61	ng/L		08/06/21 20:10	08/09/21 17:58	1
Perfluorobutanesulfonic acid (PFBS)	<0.17		1.7	0.17	ng/L		08/06/21 20:10	08/09/21 17:58	1
Perfluoropentanesulfonic acid (PFPeS)	<0.25		1.7	0.25	ng/L		08/06/21 20:10	08/09/21 17:58	1
Perfluorohexanesulfonic acid (PFHxS)	<0.47		1.7	0.47	ng/L		08/06/21 20:10	08/09/21 17:58	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.16		1.7	0.16	ng/L		08/06/21 20:10	08/09/21 17:58	1
Perfluorooctanesulfonic acid (PFOS)	<0.45		1.7	0.45	ng/L		08/06/21 20:10	08/09/21 17:58	1
Perfluorononanesulfonic acid (PFNS)	<0.31		1.7	0.31	ng/L		08/06/21 20:10	08/09/21 17:58	1
Perfluorodecanesulfonic acid (PFDS)	<0.27		1.7	0.27	ng/L		08/06/21 20:10	08/09/21 17:58	1
Perfluorododecanesulfonic acid (PFDoS)	<0.81		1.7	0.81	ng/L		08/06/21 20:10	08/09/21 17:58	1
Perfluorooctanesulfonamide (FOSA)	<0.82		1.7	0.82	ng/L		08/06/21 20:10	08/09/21 17:58	1
NEtFOSA	<0.72		1.7	0.72	ng/L		08/06/21 20:10	08/09/21 17:58	1
NMeFOSA	<0.36		1.7	0.36	ng/L		08/06/21 20:10	08/09/21 17:58	1
NMeFOSAA	<1.0		4.2	1.0	ng/L		08/06/21 20:10	08/09/21 17:58	1
NEtFOSAA	<1.1		4.2	1.1	ng/L		08/06/21 20:10	08/09/21 17:58	1
NMeFOSE	<1.2		3.3	1.2	ng/L		08/06/21 20:10	08/09/21 17:58	1
NEtFOSE	<0.71		1.7	0.71	ng/L		08/06/21 20:10	08/09/21 17:58	1
4:2 FTS	<0.20		1.7	0.20	ng/L		08/06/21 20:10	08/09/21 17:58	1
6:2 FTS	<2.1		4.2	2.1	ng/L		08/06/21 20:10	08/09/21 17:58	1
8:2 FTS	<0.38		1.7	0.38	ng/L		08/06/21 20:10	08/09/21 17:58	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.33		1.7	0.33	ng/L		08/06/21 20:10	08/09/21 17:58	1
HFPO-DA (GenX)	<1.2		3.3	1.2	ng/L		08/06/21 20:10	08/09/21 17:58	1
9Cl-PF3ONS	<0.20		1.7	0.20	ng/L		08/06/21 20:10	08/09/21 17:58	1
11Cl-PF3OUdS	<0.27		1.7	0.27	ng/L		08/06/21 20:10	08/09/21 17:58	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*96*		*25 - 150*	*08/06/21 20:10*	*08/09/21 17:58*	*1*
13C5 PFPeA	*94*		*25 - 150*	*08/06/21 20:10*	*08/09/21 17:58*	*1*
13C2 PFHxA	*96*		*25 - 150*	*08/06/21 20:10*	*08/09/21 17:58*	*1*
13C4 PFHpA	*107*		*25 - 150*	*08/06/21 20:10*	*08/09/21 17:58*	*1*
13C4 PFOA	*100*		*25 - 150*	*08/06/21 20:10*	*08/09/21 17:58*	*1*
13C5 PFNA	*104*		*25 - 150*	*08/06/21 20:10*	*08/09/21 17:58*	*1*
13C2 PFDA	*109*		*25 - 150*	*08/06/21 20:10*	*08/09/21 17:58*	*1*
13C2 PFUnA	*115*		*25 - 150*	*08/06/21 20:10*	*08/09/21 17:58*	*1*
13C2 PFDoA	*99*		*25 - 150*	*08/06/21 20:10*	*08/09/21 17:58*	*1*
13C2 PFTeDA	*107*		*25 - 150*	*08/06/21 20:10*	*08/09/21 17:58*	*1*
13C3 PFBS	*90*		*25 - 150*	*08/06/21 20:10*	*08/09/21 17:58*	*1*
18O2 PFHxS	*93*		*25 - 150*	*08/06/21 20:10*	*08/09/21 17:58*	*1*

Client: Ramboll US Corporation
Project/Site: Former Mirro 20 - Chilton 1690019558

Job ID: 500-203366-1

Client Sample ID: FB-01
Date Collected: 08/03/21 17:00
Date Received: 08/05/21 09:45

Lab Sample ID: 500-203366-24
Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFOS	96		25 - 150	08/06/21 20:10	08/09/21 17:58	1
13C8 FOSA	100		10 - 150	08/06/21 20:10	08/09/21 17:58	1
d3-NMeFOSAA	96		25 - 150	08/06/21 20:10	08/09/21 17:58	1
d5-NEtFOSAA	108		25 - 150	08/06/21 20:10	08/09/21 17:58	1
d-N-MeFOSA-M	91		10 - 150	08/06/21 20:10	08/09/21 17:58	1
d-N-EtFOSA-M	89		10 - 150	08/06/21 20:10	08/09/21 17:58	1
d7-N-MeFOSE-M	94		10 - 150	08/06/21 20:10	08/09/21 17:58	1
d9-N-EtFOSE-M	107		10 - 150	08/06/21 20:10	08/09/21 17:58	1
M2-4:2 FTS	115		25 - 150	08/06/21 20:10	08/09/21 17:58	1
M2-6:2 FTS	127		25 - 150	08/06/21 20:10	08/09/21 17:58	1
M2-8:2 FTS	122		25 - 150	08/06/21 20:10	08/09/21 17:58	1
13C3 HFPO-DA	105		25 - 150	08/06/21 20:10	08/09/21 17:58	1
13C2 10:2 FTS	126		25 - 150	08/06/21 20:10	08/09/21 17:58	1

Client: Ramboll US Corporation
Project/Site: Former Mirro 20 - Chilton 1690019558

Job ID: 500-203366-1

Client Sample ID: TRIP BLANK

Date Collected: 08/03/21 00:00
Date Received: 08/05/21 09:45

Lab Sample ID: 500-203366-25

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			08/13/21 11:52	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/13/21 11:52	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/13/21 11:52	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/13/21 11:52	1
Bromoform	<0.48		1.0	0.48	ug/L			08/13/21 11:52	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/13/21 11:52	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			08/13/21 11:52	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/13/21 11:52	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/13/21 11:52	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/13/21 11:52	1
Chloroform	<0.37		2.0	0.37	ug/L			08/13/21 11:52	1
Chloromethane	<0.32		1.0	0.32	ug/L			08/13/21 11:52	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/13/21 11:52	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/13/21 11:52	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			08/13/21 11:52	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/13/21 11:52	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/13/21 11:52	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/13/21 11:52	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/13/21 11:52	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/13/21 11:52	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/13/21 11:52	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/13/21 11:52	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/13/21 11:52	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/13/21 11:52	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/13/21 11:52	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/13/21 11:52	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/13/21 11:52	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/13/21 11:52	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/13/21 11:52	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/13/21 11:52	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/13/21 11:52	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/13/21 11:52	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/13/21 11:52	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			08/13/21 11:52	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/13/21 11:52	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/13/21 11:52	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/13/21 11:52	1
Naphthalene	<0.34		1.0	0.34	ug/L			08/13/21 11:52	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/13/21 11:52	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			08/13/21 11:52	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			08/13/21 11:52	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			08/13/21 11:52	1
Styrene	<0.39		1.0	0.39	ug/L			08/13/21 11:52	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			08/13/21 11:52	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/13/21 11:52	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/13/21 11:52	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			08/13/21 11:52	1
Toluene	<0.15		0.50	0.15	ug/L			08/13/21 11:52	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			08/13/21 11:52	1

Client: Ramboll US Corporation
Job ID: 500-203366-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: TRIP BLANK
Lab Sample ID: 500-203366-25
Date Collected: 08/03/21 00:00
Matrix: Water
Date Received: 08/05/21 09:45

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/13/21 11:52	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/13/21 11:52	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/13/21 11:52	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/13/21 11:52	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/13/21 11:52	1
Trichloroethene	<0.16		0.50	0.16	ug/L			08/13/21 11:52	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/13/21 11:52	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/13/21 11:52	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			08/13/21 11:52	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			08/13/21 11:52	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/13/21 11:52	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			08/13/21 11:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*72 - 124*		*08/13/21 11:52*	*1*
Dibromofluoromethane (Surr)	*92*		*75 - 120*		*08/13/21 11:52*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*75 - 126*		*08/13/21 11:52*	*1*
Toluene-d8 (Surr)	*98*		*75 - 120*		*08/13/21 11:52*	*1*

Definitions/Glossary

Client: Ramboll US Corporation
Job ID: 500-203366-1
Project/Site: Former Mirro 20 - Chilton 1690019558

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.

LCMS

Qualifier	Qualifier Description
I	Value is EMPC (estimated maximum possible concentration).
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
^+	Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.
B	Compound was found in the blank and sample.
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL, and the absolute difference between results is < the upper reporting limits for both.
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.
¤	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

GC/MS VOA

Analysis Batch: 614106

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-203366-1	B-5	Total/NA	Water	8260B	
500-203366-2	B-6	Total/NA	Water	8260B	
500-203366-3	B-11	Total/NA	Water	8260B	
500-203366-4	PZ-10	Total/NA	Water	8260B	
500-203366-5	MW-10	Total/NA	Water	8260B	
500-203366-6	PZ-5	Total/NA	Water	8260B	
500-203366-7	PZ-5 DUP	Total/NA	Water	8260B	
500-203366-8	MW-5	Total/NA	Water	8260B	
500-203366-10	MW-8	Total/NA	Water	8260B	
MB 500-614106/7	Method Blank	Total/NA	Water	8260B	
LCS 500-614106/5	Lab Control Sample	Total/NA	Water	8260B	
500-203366-10 MS	MW-8	Total/NA	Water	8260B	
500-203366-10 MSD	MW-8	Total/NA	Water	8260B	

Analysis Batch: 614110

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-203366-9	OMPZ-4	Total/NA	Water	8260B	
500-203366-11	EB-01	Total/NA	Water	8260B	
500-203366-12	B-5A	Total/NA	Water	8260B	
500-203366-13	B-9	Total/NA	Water	8260B	
500-203366-14	B-12	Total/NA	Water	8260B	
500-203366-15	MW-2	Total/NA	Water	8260B	
500-203366-16	MW-1	Total/NA	Water	8260B	
500-203366-17	PZ-8	Total/NA	Water	8260B	
500-203366-18	OMPZ-3	Total/NA	Water	8260B	
500-203366-19	OMPZ-3 DUP	Total/NA	Water	8260B	
500-203366-20	PZ-9	Total/NA	Water	8260B	
500-203366-21	MW-9	Total/NA	Water	8260B	
500-203366-25	TRIP BLANK	Total/NA	Water	8260B	
MB 500-614110/8	Method Blank	Total/NA	Water	8260B	
LCS 500-614110/6	Lab Control Sample	Total/NA	Water	8260B	

Analysis Batch: 614295

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-203366-22	EB-02	Total/NA	Water	8260B	
MB 500-614295/6	Method Blank	Total/NA	Water	8260B	
LCS 500-614295/4	Lab Control Sample	Total/NA	Water	8260B	

GC Semi VOA

Prep Batch: 613143

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-203366-11	EB-01	Total/NA	Water	3510C	
500-203366-13	B-9	Total/NA	Water	3510C	
MB 500-613143/1-A	Method Blank	Total/NA	Water	3510C	
LCS 500-613143/4-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 500-613143/5-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 613365

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-203366-11	EB-01	Total/NA	Water	8082A	613143

GC Semi VOA (Continued)

Analysis Batch: 613365 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-203366-13	B-9	Total/NA	Water	8082A	613143
MB 500-613143/1-A	Method Blank	Total/NA	Water	8082A	613143
LCS 500-613143/4-A	Lab Control Sample	Total/NA	Water	8082A	613143
LCSD 500-613143/5-A	Lab Control Sample Dup	Total/NA	Water	8082A	613143

LCMS

Prep Batch: 514062

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-203366-4	PZ-10	Total/NA	Water	3535	
500-203366-5	MW-10	Total/NA	Water	3535	
500-203366-8	MW-5	Total/NA	Water	3535	
500-203366-9	OMPZ-4	Total/NA	Water	3535	
500-203366-20	PZ-9	Total/NA	Water	3535	
500-203366-21	MW-9	Total/NA	Water	3535	
500-203366-22	EB-02	Total/NA	Water	3535	
500-203366-23	FB-02	Total/NA	Water	3535	
500-203366-24	FB-01	Total/NA	Water	3535	
MB 320-514062/1-A	Method Blank	Total/NA	Water	3535	
LCS 320-514062/2-A	Lab Control Sample	Total/NA	Water	3535	
LCSD 320-514062/3-A	Lab Control Sample Dup	Total/NA	Water	3535	

Prep Batch: 514346

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-203366-1	B-5	Total/NA	Water	3535	
500-203366-2	B-6	Total/NA	Water	3535	
500-203366-3	B-11	Total/NA	Water	3535	
500-203366-6	PZ-5	Total/NA	Water	3535	
500-203366-7	PZ-5 DUP	Total/NA	Water	3535	
500-203366-10	MW-8	Total/NA	Water	3535	
500-203366-11	EB-01	Total/NA	Water	3535	
500-203366-12	B-5A	Total/NA	Water	3535	
500-203366-13	B-9	Total/NA	Water	3535	
500-203366-14	B-12	Total/NA	Water	3535	
500-203366-15	MW-2	Total/NA	Water	3535	
500-203366-16	MW-1	Total/NA	Water	3535	
MB 320-514346/1-A	Method Blank	Total/NA	Water	3535	
LCS 320-514346/2-A	Lab Control Sample	Total/NA	Water	3535	
LCSD 320-514346/3-A	Lab Control Sample Dup	Total/NA	Water	3535	
500-203366-10 MS	MW-8	Total/NA	Water	3535	
500-203366-10 MSD	MW-8	Total/NA	Water	3535	

Analysis Batch: 514536

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-203366-4	PZ-10	Total/NA	Water	537 (modified)	514062
500-203366-5	MW-10	Total/NA	Water	537 (modified)	514062
500-203366-8	MW-5	Total/NA	Water	537 (modified)	514062
500-203366-9	OMPZ-4	Total/NA	Water	537 (modified)	514062
500-203366-21	MW-9	Total/NA	Water	537 (modified)	514062
500-203366-22	EB-02	Total/NA	Water	537 (modified)	514062
500-203366-23	FB-02	Total/NA	Water	537 (modified)	514062

LCMS (Continued)

Analysis Batch: 514536 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-203366-24	FB-01	Total/NA	Water	537 (modified)	514062
MB 320-514062/1-A	Method Blank	Total/NA	Water	537 (modified)	514062
LCS 320-514062/2-A	Lab Control Sample	Total/NA	Water	537 (modified)	514062
LCSD 320-514062/3-A	Lab Control Sample Dup	Total/NA	Water	537 (modified)	514062

Analysis Batch: 514827

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-203366-20	PZ-9	Total/NA	Water	537 (modified)	514062

Analysis Batch: 515763

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-203366-1	B-5	Total/NA	Water	537 (modified)	514346
500-203366-2	B-6	Total/NA	Water	537 (modified)	514346
500-203366-3	B-11	Total/NA	Water	537 (modified)	514346
500-203366-6	PZ-5	Total/NA	Water	537 (modified)	514346
500-203366-7	PZ-5 DUP	Total/NA	Water	537 (modified)	514346
500-203366-10	MW-8	Total/NA	Water	537 (modified)	514346
500-203366-11	EB-01	Total/NA	Water	537 (modified)	514346
500-203366-12	B-5A	Total/NA	Water	537 (modified)	514346
500-203366-13	B-9	Total/NA	Water	537 (modified)	514346
500-203366-14	B-12	Total/NA	Water	537 (modified)	514346
500-203366-15	MW-2	Total/NA	Water	537 (modified)	514346
500-203366-16	MW-1	Total/NA	Water	537 (modified)	514346
MB 320-514346/1-A	Method Blank	Total/NA	Water	537 (modified)	514346
LCS 320-514346/2-A	Lab Control Sample	Total/NA	Water	537 (modified)	514346
LCSD 320-514346/3-A	Lab Control Sample Dup	Total/NA	Water	537 (modified)	514346
500-203366-10 MS	MW-8	Total/NA	Water	537 (modified)	514346
500-203366-10 MSD	MW-8	Total/NA	Water	537 (modified)	514346

Prep Batch: 515852

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-203366-17	PZ-8	Total/NA	Water	3535	
500-203366-18	OMPZ-3	Total/NA	Water	3535	
500-203366-19	OMPZ-3 DUP	Total/NA	Water	3535	
MB 320-515852/1-A	Method Blank	Total/NA	Water	3535	
LCS 320-515852/2-A	Lab Control Sample	Total/NA	Water	3535	
LCSD 320-515852/3-A	Lab Control Sample Dup	Total/NA	Water	3535	

Analysis Batch: 516138

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-203366-17	PZ-8	Total/NA	Water	537 (modified)	515852
500-203366-18	OMPZ-3	Total/NA	Water	537 (modified)	515852
500-203366-19	OMPZ-3 DUP	Total/NA	Water	537 (modified)	515852
MB 320-515852/1-A	Method Blank	Total/NA	Water	537 (modified)	515852
LCS 320-515852/2-A	Lab Control Sample	Total/NA	Water	537 (modified)	515852
LCSD 320-515852/3-A	Lab Control Sample Dup	Total/NA	Water	537 (modified)	515852

Metals

Prep Batch: 613289

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-203366-1	B-5	Dissolved	Water	3005A	
500-203366-2	B-6	Dissolved	Water	3005A	
500-203366-3	B-11	Dissolved	Water	3005A	
500-203366-4	PZ-10	Dissolved	Water	3005A	
500-203366-5	MW-10	Dissolved	Water	3005A	
500-203366-6	PZ-5	Dissolved	Water	3005A	
500-203366-7	PZ-5 DUP	Dissolved	Water	3005A	
500-203366-8	MW-5	Dissolved	Water	3005A	
500-203366-9	OMPZ-4	Dissolved	Water	3005A	
500-203366-10	MW-8	Dissolved	Water	3005A	
500-203366-11	EB-01	Dissolved	Water	3005A	
500-203366-12	B-5A	Dissolved	Water	3005A	
500-203366-13	B-9	Dissolved	Water	3005A	
500-203366-14	B-12	Dissolved	Water	3005A	
500-203366-15	MW-2	Dissolved	Water	3005A	
500-203366-16	MW-1	Dissolved	Water	3005A	
500-203366-17	PZ-8	Dissolved	Water	3005A	
500-203366-18	OMPZ-3	Dissolved	Water	3005A	
500-203366-19	OMPZ-3 DUP	Dissolved	Water	3005A	
500-203366-20	PZ-9	Dissolved	Water	3005A	
MB 500-613289/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-613289/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
500-203366-10 DU	MW-8	Total Recoverable	Water	3005A	

Analysis Batch: 613533

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-203366-1	B-5	Dissolved	Water	6020A	613289
500-203366-2	B-6	Dissolved	Water	6020A	613289
500-203366-3	B-11	Dissolved	Water	6020A	613289
500-203366-4	PZ-10	Dissolved	Water	6020A	613289
500-203366-5	MW-10	Dissolved	Water	6020A	613289
500-203366-6	PZ-5	Dissolved	Water	6020A	613289
500-203366-7	PZ-5 DUP	Dissolved	Water	6020A	613289
500-203366-8	MW-5	Dissolved	Water	6020A	613289
500-203366-9	OMPZ-4	Dissolved	Water	6020A	613289
500-203366-10	MW-8	Dissolved	Water	6020A	613289
500-203366-11	EB-01	Dissolved	Water	6020A	613289
500-203366-12	B-5A	Dissolved	Water	6020A	613289
500-203366-13	B-9	Dissolved	Water	6020A	613289
500-203366-14	B-12	Dissolved	Water	6020A	613289
500-203366-15	MW-2	Dissolved	Water	6020A	613289
500-203366-16	MW-1	Dissolved	Water	6020A	613289
500-203366-17	PZ-8	Dissolved	Water	6020A	613289
500-203366-18	OMPZ-3	Dissolved	Water	6020A	613289
500-203366-19	OMPZ-3 DUP	Dissolved	Water	6020A	613289
500-203366-20	PZ-9	Dissolved	Water	6020A	613289
MB 500-613289/1-A	Method Blank	Total Recoverable	Water	6020A	613289
LCS 500-613289/2-A	Lab Control Sample	Total Recoverable	Water	6020A	613289
500-203366-10 DU	MW-8	Total Recoverable	Water	6020A	613289

Metals

Prep Batch: 613717

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-203366-21	MW-9	Dissolved	Water	3005A	
500-203366-22	EB-02	Dissolved	Water	3005A	
MB 500-613717/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-613717/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 613754

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-203366-1	B-5	Dissolved	Water	6020A	613289
500-203366-2	B-6	Dissolved	Water	6020A	613289
500-203366-3	B-11	Dissolved	Water	6020A	613289
500-203366-4	PZ-10	Dissolved	Water	6020A	613289
500-203366-5	MW-10	Dissolved	Water	6020A	613289
500-203366-6	PZ-5	Dissolved	Water	6020A	613289
500-203366-7	PZ-5 DUP	Dissolved	Water	6020A	613289
500-203366-8	MW-5	Dissolved	Water	6020A	613289
500-203366-9	OMPZ-4	Dissolved	Water	6020A	613289
500-203366-10	MW-8	Dissolved	Water	6020A	613289
500-203366-11	EB-01	Dissolved	Water	6020A	613289
500-203366-12	B-5A	Dissolved	Water	6020A	613289
500-203366-13	B-9	Dissolved	Water	6020A	613289
500-203366-14	B-12	Dissolved	Water	6020A	613289
500-203366-15	MW-2	Dissolved	Water	6020A	613289
500-203366-16	MW-1	Dissolved	Water	6020A	613289
500-203366-17	PZ-8	Dissolved	Water	6020A	613289
500-203366-18	OMPZ-3	Dissolved	Water	6020A	613289
500-203366-19	OMPZ-3 DUP	Dissolved	Water	6020A	613289
500-203366-20	PZ-9	Dissolved	Water	6020A	613289
MB 500-613289/1-A	Method Blank	Total Recoverable	Water	6020A	613289
LCS 500-613289/2-A	Lab Control Sample	Total Recoverable	Water	6020A	613289
500-203366-10 DU	MW-8	Total Recoverable	Water	6020A	613289

Analysis Batch: 613958

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-203366-21	MW-9	Dissolved	Water	6020A	613717
500-203366-22	EB-02	Dissolved	Water	6020A	613717
MB 500-613717/1-A	Method Blank	Total Recoverable	Water	6020A	613717
LCS 500-613717/2-A	Lab Control Sample	Total Recoverable	Water	6020A	613717

Prep Batch: 614166

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-203366-1	B-5	Dissolved	Water	7470A	
500-203366-2	B-6	Dissolved	Water	7470A	
500-203366-3	B-11	Dissolved	Water	7470A	
500-203366-4	PZ-10	Dissolved	Water	7470A	
500-203366-5	MW-10	Dissolved	Water	7470A	
500-203366-6	PZ-5	Dissolved	Water	7470A	
500-203366-7	PZ-5 DUP	Dissolved	Water	7470A	
500-203366-8	MW-5	Dissolved	Water	7470A	
500-203366-9	OMPZ-4	Dissolved	Water	7470A	
500-203366-10	MW-8	Dissolved	Water	7470A	
500-203366-11	EB-01	Dissolved	Water	7470A	

Metals (Continued)

Prep Batch: 614166 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-614166/12-A	Method Blank	Total/NA	Water	7470A	
LCS 500-614166/13-A	Lab Control Sample	Total/NA	Water	7470A	
500-203366-10 DU	MW-8	Total/NA	Water	7470A	

Prep Batch: 614168

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-203366-12	B-5A	Dissolved	Water	7470A	
500-203366-13	B-9	Dissolved	Water	7470A	
500-203366-14	B-12	Dissolved	Water	7470A	
500-203366-15	MW-2	Dissolved	Water	7470A	
500-203366-16	MW-1	Dissolved	Water	7470A	
500-203366-17	PZ-8	Dissolved	Water	7470A	
500-203366-18	OMPZ-3	Dissolved	Water	7470A	
500-203366-19	OMPZ-3 DUP	Dissolved	Water	7470A	
500-203366-20	PZ-9	Dissolved	Water	7470A	
500-203366-21	MW-9	Dissolved	Water	7470A	
500-203366-22	EB-02	Dissolved	Water	7470A	
MB 500-614168/12-A	Method Blank	Total/NA	Water	7470A	
LCS 500-614168/13-A	Lab Control Sample	Total/NA	Water	7470A	
500-203366-19 MS	OMPZ-3 DUP	Total/NA	Water	7470A	
500-203366-19 MSD	OMPZ-3 DUP	Total/NA	Water	7470A	
500-203366-19 DU	OMPZ-3 DUP	Total/NA	Water	7470A	

Analysis Batch: 614435

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-203366-1	B-5	Dissolved	Water	7470A	614166
500-203366-2	B-6	Dissolved	Water	7470A	614166
500-203366-3	B-11	Dissolved	Water	7470A	614166
500-203366-4	PZ-10	Dissolved	Water	7470A	614166
500-203366-5	MW-10	Dissolved	Water	7470A	614166
500-203366-6	PZ-5	Dissolved	Water	7470A	614166
500-203366-7	PZ-5 DUP	Dissolved	Water	7470A	614166
500-203366-8	MW-5	Dissolved	Water	7470A	614166
500-203366-9	OMPZ-4	Dissolved	Water	7470A	614166
500-203366-10	MW-8	Dissolved	Water	7470A	614166
500-203366-11	EB-01	Dissolved	Water	7470A	614166
500-203366-12	B-5A	Dissolved	Water	7470A	614168
500-203366-13	B-9	Dissolved	Water	7470A	614168
500-203366-14	B-12	Dissolved	Water	7470A	614168
500-203366-15	MW-2	Dissolved	Water	7470A	614168
500-203366-16	MW-1	Dissolved	Water	7470A	614168
500-203366-17	PZ-8	Dissolved	Water	7470A	614168
500-203366-18	OMPZ-3	Dissolved	Water	7470A	614168
500-203366-19	OMPZ-3 DUP	Dissolved	Water	7470A	614168
500-203366-20	PZ-9	Dissolved	Water	7470A	614168
500-203366-21	MW-9	Dissolved	Water	7470A	614168
500-203366-22	EB-02	Dissolved	Water	7470A	614168
MB 500-614166/12-A	Method Blank	Total/NA	Water	7470A	614166
MB 500-614168/12-A	Method Blank	Total/NA	Water	7470A	614168
LCS 500-614166/13-A	Lab Control Sample	Total/NA	Water	7470A	614166
LCS 500-614168/13-A	Lab Control Sample	Total/NA	Water	7470A	614168

Metals (Continued)

Analysis Batch: 614435 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-203366-19 MS	OMPZ-3 DUP	Total/NA	Water	7470A	614168
500-203366-19 MSD	OMPZ-3 DUP	Total/NA	Water	7470A	614168
500-203366-10 DU	MW-8	Total/NA	Water	7470A	614166
500-203366-19 DU	OMPZ-3 DUP	Total/NA	Water	7470A	614168

Surrogate Summary

Client: Ramboll US Corporation
Project/Site: Former Mirro 20 - Chilton 1690019558

Job ID: 500-203366-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	DCA	TOL
Lab Sample ID	Client Sample ID	(72-124)	(75-120)	(75-126)	(75-120)
500-203366-1	B-5	94	93	100	98
500-203366-2	B-6	94	92	99	97
500-203366-3	B-11	96	91	97	96
500-203366-4	PZ-10	94	92	96	97
500-203366-5	MW-10	92	91	98	96
500-203366-6	PZ-5	93	91	98	95
500-203366-7	PZ-5 DUP	94	93	101	97
500-203366-8	MW-5	95	90	100	96
500-203366-9	OMPZ-4	93	92	93	98
500-203366-10	MW-8	93	94	98	98
500-203366-10 MS	MW-8	89	96	100	100
500-203366-10 MSD	MW-8	88	97	98	100
500-203366-11	EB-01	94	91	89	98
500-203366-12	B-5A	93	91	90	100
500-203366-13	B-9	98	90	89	100
500-203366-14	B-12	95	93	95	99
500-203366-15	MW-2	96	93	95	98
500-203366-16	MW-1	95	92	93	98
500-203366-17	PZ-8	94	92	93	100
500-203366-18	OMPZ-3	97	92	93	99
500-203366-19	OMPZ-3 DUP	97	93	94	99
500-203366-20	PZ-9	95	92	93	98
500-203366-21	MW-9	95	91	94	99
500-203366-22	EB-02	92	108	105	98
500-203366-25	TRIP BLANK	93	92	92	98
LCS 500-614106/5	Lab Control Sample	88	97	101	99
LCS 500-614110/6	Lab Control Sample	91	95	93	98
LCS 500-614295/4	Lab Control Sample	91	109	105	96
MB 500-614106/7	Method Blank	94	94	100	96
MB 500-614110/8	Method Blank	93	92	93	97
MB 500-614295/6	Method Blank	91	108	104	97

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
		TCX2	DCBP2
Lab Sample ID	Client Sample ID	(30-120)	(30-140)
500-203366-11	EB-01	99	82
500-203366-13	B-9	91	108
LCS 500-613143/4-A	Lab Control Sample	78	97
LCSD 500-613143/5-A	Lab Control Sample Dup	80	101
MB 500-613143/1-A	Method Blank	76	94

Surrogate Legend

Surrogate Summary

Client: Ramboll US Corporation
Job ID: 500-203366-1
Project/Site: Former Mirro 20 - Chilton 1690019558

TCX = Tetrachloro-m-xylene
DCBP = DCB Decachlorobiphenyl

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 500-614106/7
Matrix: Water
Analysis Batch: 614106

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			08/13/21 10:54	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/13/21 10:54	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/13/21 10:54	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/13/21 10:54	1
Bromoform	<0.48		1.0	0.48	ug/L			08/13/21 10:54	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/13/21 10:54	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			08/13/21 10:54	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/13/21 10:54	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/13/21 10:54	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/13/21 10:54	1
Chloroform	<0.37		2.0	0.37	ug/L			08/13/21 10:54	1
Chloromethane	<0.32		1.0	0.32	ug/L			08/13/21 10:54	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/13/21 10:54	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/13/21 10:54	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			08/13/21 10:54	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/13/21 10:54	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/13/21 10:54	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/13/21 10:54	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/13/21 10:54	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/13/21 10:54	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/13/21 10:54	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/13/21 10:54	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/13/21 10:54	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/13/21 10:54	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/13/21 10:54	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/13/21 10:54	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/13/21 10:54	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/13/21 10:54	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/13/21 10:54	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/13/21 10:54	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/13/21 10:54	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/13/21 10:54	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/13/21 10:54	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			08/13/21 10:54	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/13/21 10:54	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/13/21 10:54	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/13/21 10:54	1
Naphthalene	<0.34		1.0	0.34	ug/L			08/13/21 10:54	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/13/21 10:54	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			08/13/21 10:54	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			08/13/21 10:54	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			08/13/21 10:54	1
Styrene	<0.39		1.0	0.39	ug/L			08/13/21 10:54	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			08/13/21 10:54	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/13/21 10:54	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/13/21 10:54	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			08/13/21 10:54	1
Toluene	<0.15		0.50	0.15	ug/L			08/13/21 10:54	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-614106/7
Matrix: Water
Analysis Batch: 614106

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			08/13/21 10:54	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/13/21 10:54	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/13/21 10:54	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/13/21 10:54	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/13/21 10:54	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/13/21 10:54	1
Trichloroethene	<0.16		0.50	0.16	ug/L			08/13/21 10:54	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/13/21 10:54	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/13/21 10:54	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			08/13/21 10:54	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			08/13/21 10:54	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/13/21 10:54	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			08/13/21 10:54	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*72 - 124*		*08/13/21 10:54*	*1*
Dibromofluoromethane (Surr)	*94*		*75 - 120*		*08/13/21 10:54*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 126*		*08/13/21 10:54*	*1*
Toluene-d8 (Surr)	*96*		*75 - 120*		*08/13/21 10:54*	*1*

Lab Sample ID: LCS 500-614106/5
Matrix: Water
Analysis Batch: 614106

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	50.0	46.4		ug/L		93	70 - 120
Bromobenzene	50.0	44.0		ug/L		88	70 - 122
Bromochloromethane	50.0	46.0		ug/L		92	65 - 122
Bromodichloromethane	50.0	46.3		ug/L		93	69 - 120
Bromoform	50.0	42.2		ug/L		84	56 - 132
Bromomethane	50.0	54.3		ug/L		109	40 - 152
2-Butanone (MEK)	50.0	47.0		ug/L		94	46 - 144
Carbon tetrachloride	50.0	49.8		ug/L		100	59 - 133
Chlorobenzene	50.0	46.7		ug/L		93	70 - 120
Chloroethane	50.0	58.7		ug/L		117	48 - 136
Chloroform	50.0	45.8		ug/L		92	70 - 120
Chloromethane	50.0	40.9		ug/L		82	56 - 152
2-Chlorotoluene	50.0	43.9		ug/L		88	70 - 125
4-Chlorotoluene	50.0	44.2		ug/L		88	68 - 124
cis-1,2-Dichloroethene	50.0	45.2		ug/L		90	70 - 125
cis-1,3-Dichloropropene	50.0	46.3		ug/L		93	64 - 127
Dibromochloromethane	50.0	45.4		ug/L		91	68 - 125
1,2-Dibromo-3-Chloropropane	50.0	36.2		ug/L		72	56 - 123
1,2-Dibromoethane	50.0	46.1		ug/L		92	70 - 125
Dibromomethane	50.0	45.6		ug/L		91	70 - 120
1,2-Dichlorobenzene	50.0	44.9		ug/L		90	70 - 125
1,3-Dichlorobenzene	50.0	45.5		ug/L		91	70 - 125
1,4-Dichlorobenzene	50.0	45.4		ug/L		91	70 - 120

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-614106/5
Matrix: Water
Analysis Batch: 614106

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorodifluoromethane	50.0	38.5		ug/L		77	40 - 159
1,1-Dichloroethane	50.0	44.6		ug/L		89	70 - 125
1,2-Dichloroethane	50.0	48.9		ug/L		98	68 - 127
1,1-Dichloroethene	50.0	44.3		ug/L		89	67 - 122
1,2-Dichloropropane	50.0	47.4		ug/L		95	67 - 130
1,3-Dichloropropane	50.0	45.8		ug/L		92	62 - 136
2,2-Dichloropropane	50.0	42.0		ug/L		84	58 - 139
1,1-Dichloropropene	50.0	46.9		ug/L		94	70 - 121
Ethylbenzene	50.0	46.1		ug/L		92	70 - 123
Hexachlorobutadiene	50.0	51.1		ug/L		102	51 - 150
Isopropylbenzene	50.0	43.5		ug/L		87	70 - 126
Methylene Chloride	50.0	45.5		ug/L		91	69 - 125
Methyl tert-butyl ether	50.0	44.9		ug/L		90	55 - 123
Naphthalene	50.0	42.2		ug/L		84	53 - 144
n-Butylbenzene	50.0	45.5		ug/L		91	68 - 125
N-Propylbenzene	50.0	43.5		ug/L		87	69 - 127
p-Isopropyltoluene	50.0	46.0		ug/L		92	70 - 125
sec-Butylbenzene	50.0	45.2		ug/L		90	70 - 123
Styrene	50.0	45.9		ug/L		92	70 - 120
tert-Butylbenzene	50.0	44.7		ug/L		89	70 - 121
1,1,1,2-Tetrachloroethane	50.0	45.4		ug/L		91	70 - 125
1,1,2,2-Tetrachloroethane	50.0	40.2		ug/L		80	62 - 140
Tetrachloroethene	50.0	50.9		ug/L		102	70 - 128
Toluene	50.0	46.2		ug/L		92	70 - 125
trans-1,2-Dichloroethene	50.0	43.9		ug/L		88	70 - 125
trans-1,3-Dichloropropene	50.0	44.3		ug/L		89	62 - 128
1,2,3-Trichlorobenzene	50.0	45.4		ug/L		91	51 - 145
1,2,4-Trichlorobenzene	50.0	46.2		ug/L		92	57 - 137
1,1,1-Trichloroethane	50.0	49.5		ug/L		99	70 - 125
1,1,2-Trichloroethane	50.0	47.3		ug/L		95	71 - 130
Trichloroethene	50.0	47.7		ug/L		95	70 - 125
Trichlorofluoromethane	50.0	50.2		ug/L		100	55 - 128
1,2,3-Trichloropropane	50.0	43.6		ug/L		87	50 - 133
1,2,4-Trimethylbenzene	50.0	44.6		ug/L		89	70 - 123
1,3,5-Trimethylbenzene	50.0	44.6		ug/L		89	70 - 123
Vinyl chloride	50.0	47.6		ug/L		95	64 - 126
Xylenes, Total	100	91.4		ug/L		91	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*88*		*72 - 124*
Dibromofluoromethane (Surr)	*97*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 126*
Toluene-d8 (Surr)	*99*		*75 - 120*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-203366-10 MS
Matrix: Water
Analysis Batch: 614106

Client Sample ID: MW-8
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.15		50.0	51.4		ug/L		103	70 - 120
Bromobenzene	<0.36		50.0	48.8		ug/L		98	70 - 122
Bromochloromethane	<0.43		50.0	50.5		ug/L		101	65 - 122
Bromodichloromethane	<0.37		50.0	48.9		ug/L		98	69 - 120
Bromoform	<0.48		50.0	41.5		ug/L		83	56 - 132
Bromomethane	<0.80		50.0	59.6		ug/L		119	40 - 152
2-Butanone (MEK)	<2.1		50.0	45.4		ug/L		91	46 - 144
Carbon tetrachloride	<0.38		50.0	55.1		ug/L		110	59 - 133
Chlorobenzene	<0.39		50.0	50.2		ug/L		100	70 - 120
Chloroethane	<0.51		50.0	39.6		ug/L		79	48 - 136
Chloroform	<0.37		50.0	50.2		ug/L		100	70 - 120
Chloromethane	<0.32		50.0	43.4		ug/L		87	56 - 152
2-Chlorotoluene	<0.31		50.0	49.1		ug/L		98	70 - 125
4-Chlorotoluene	<0.35		50.0	48.9		ug/L		98	68 - 124
cis-1,2-Dichloroethene	100		50.0	152		ug/L		103	70 - 125
cis-1,3-Dichloropropene	<0.42		50.0	48.2		ug/L		96	64 - 127
Dibromochloromethane	<0.49		50.0	45.8		ug/L		92	68 - 125
1,2-Dibromo-3-Chloropropane	<2.0		50.0	35.8		ug/L		72	56 - 123
1,2-Dibromoethane	<0.39		50.0	46.9		ug/L		94	70 - 125
Dibromomethane	<0.27		50.0	48.6		ug/L		97	70 - 120
1,2-Dichlorobenzene	<0.33		50.0	49.4		ug/L		99	70 - 125
1,3-Dichlorobenzene	<0.40		50.0	50.2		ug/L		100	70 - 125
1,4-Dichlorobenzene	<0.36		50.0	49.3		ug/L		99	70 - 120
Dichlorodifluoromethane	<0.67		50.0	42.6		ug/L		85	40 - 159
1,1-Dichloroethane	<0.41		50.0	50.3		ug/L		101	70 - 125
1,2-Dichloroethane	<0.39		50.0	52.5		ug/L		105	68 - 127
1,1-Dichloroethene	<0.39		50.0	48.4		ug/L		97	67 - 122
1,2-Dichloropropane	<0.43		50.0	50.5		ug/L		101	67 - 130
1,3-Dichloropropane	<0.36		50.0	48.1		ug/L		96	62 - 136
2,2-Dichloropropane	<0.44		50.0	52.4		ug/L		105	58 - 139
1,1-Dichloropropene	<0.30		50.0	52.2		ug/L		104	70 - 121
Ethylbenzene	<0.18		50.0	50.1		ug/L		100	70 - 123
Hexachlorobutadiene	<0.45		50.0	56.6		ug/L		113	51 - 150
Isopropylbenzene	<0.39		50.0	50.0		ug/L		100	70 - 126
Methylene Chloride	<1.6		50.0	49.3		ug/L		99	69 - 125
Methyl tert-butyl ether	<0.39		50.0	47.7		ug/L		95	55 - 123
Naphthalene	<0.34		50.0	46.4		ug/L		93	53 - 144
n-Butylbenzene	<0.39		50.0	50.6		ug/L		101	68 - 125
N-Propylbenzene	<0.41		50.0	49.3		ug/L		99	69 - 127
p-Isopropyltoluene	<0.36		50.0	51.8		ug/L		104	70 - 125
sec-Butylbenzene	<0.40		50.0	51.8		ug/L		104	70 - 123
Styrene	<0.39		50.0	49.2		ug/L		98	70 - 120
tert-Butylbenzene	<0.40		50.0	51.3		ug/L		103	70 - 121
1,1,1,2-Tetrachloroethane	<0.46		50.0	49.4		ug/L		99	70 - 125
1,1,2,2-Tetrachloroethane	<0.40		50.0	42.1		ug/L		84	62 - 140
Tetrachloroethene	15		50.0	71.4		ug/L		114	70 - 128
Toluene	<0.15		50.0	50.6		ug/L		101	70 - 125
trans-1,2-Dichloroethene	1.7		50.0	51.7		ug/L		100	70 - 125

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-203366-10 MS
Matrix: Water
Analysis Batch: 614106

Client Sample ID: MW-8
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
trans-1,3-Dichloropropene	<0.36		50.0	44.9		ug/L		90	62 - 128
1,2,3-Trichlorobenzene	<0.46		50.0	49.2		ug/L		98	51 - 145
1,2,4-Trichlorobenzene	<0.34		50.0	47.8		ug/L		96	57 - 137
1,1,1-Trichloroethane	<0.38		50.0	56.0		ug/L		112	70 - 125
1,1,2-Trichloroethane	<0.35		50.0	49.2		ug/L		98	71 - 130
Trichloroethene	8.5		50.0	61.1		ug/L		105	70 - 125
Trichlorofluoromethane	<0.43		50.0	53.9		ug/L		108	55 - 128
1,2,3-Trichloropropane	<0.41		50.0	44.3		ug/L		89	50 - 133
1,2,4-Trimethylbenzene	<0.36		50.0	49.9		ug/L		100	70 - 123
1,3,5-Trimethylbenzene	<0.25		50.0	50.2		ug/L		100	70 - 123
Vinyl chloride	3.2		50.0	52.9		ug/L		99	64 - 126
Xylenes, Total	<0.22		100	100		ug/L		100	70 - 125

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*89*		*72 - 124*
Dibromofluoromethane (Surr)	*96*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 126*
Toluene-d8 (Surr)	*100*		*75 - 120*

Lab Sample ID: 500-203366-10 MSD
Matrix: Water
Analysis Batch: 614106

Client Sample ID: MW-8
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.15		50.0	52.2		ug/L		104	70 - 120	2	20
Bromobenzene	<0.36		50.0	49.8		ug/L		100	70 - 122	2	20
Bromochloromethane	<0.43		50.0	50.9		ug/L		102	65 - 122	1	20
Bromodichloromethane	<0.37		50.0	50.4		ug/L		101	69 - 120	3	20
Bromoform	<0.48		50.0	43.1		ug/L		86	56 - 132	4	20
Bromomethane	<0.80		50.0	51.0		ug/L		102	40 - 152	16	20
2-Butanone (MEK)	<2.1		50.0	46.3		ug/L		93	46 - 144	2	20
Carbon tetrachloride	<0.38		50.0	56.9		ug/L		114	59 - 133	3	20
Chlorobenzene	<0.39		50.0	52.3		ug/L		105	70 - 120	4	20
Chloroethane	<0.51		50.0	32.9		ug/L		66	48 - 136	18	20
Chloroform	<0.37		50.0	51.6		ug/L		103	70 - 120	3	20
Chloromethane	<0.32		50.0	40.1		ug/L		80	56 - 152	8	20
2-Chlorotoluene	<0.31		50.0	49.8		ug/L		100	70 - 125	1	20
4-Chlorotoluene	<0.35		50.0	49.4		ug/L		99	68 - 124	1	20
cis-1,2-Dichloroethene	100		50.0	155		ug/L		110	70 - 125	2	20
cis-1,3-Dichloropropene	<0.42		50.0	49.3		ug/L		99	64 - 127	2	20
Dibromochloromethane	<0.49		50.0	48.6		ug/L		97	68 - 125	6	20
1,2-Dibromo-3-Chloropropane	<2.0		50.0	37.7		ug/L		75	56 - 123	5	20
1,2-Dibromoethane	<0.39		50.0	48.6		ug/L		97	70 - 125	4	20
Dibromomethane	<0.27		50.0	48.4		ug/L		97	70 - 120	0	20
1,2-Dichlorobenzene	<0.33		50.0	50.2		ug/L		100	70 - 125	2	20
1,3-Dichlorobenzene	<0.40		50.0	50.6		ug/L		101	70 - 125	1	20
1,4-Dichlorobenzene	<0.36		50.0	50.3		ug/L		101	70 - 120	2	20
Dichlorodifluoromethane	<0.67		50.0	38.6		ug/L		77	40 - 159	10	20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-203366-10 MSD
Matrix: Water
Analysis Batch: 614106

Client Sample ID: MW-8
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-Dichloroethane	<0.41		50.0	50.9		ug/L		102	70 - 125	1	20
1,2-Dichloroethane	<0.39		50.0	54.3		ug/L		109	68 - 127	3	20
1,1-Dichloroethene	<0.39		50.0	49.0		ug/L		98	67 - 122	1	20
1,2-Dichloropropane	<0.43		50.0	52.5		ug/L		105	67 - 130	4	20
1,3-Dichloropropane	<0.36		50.0	48.9		ug/L		98	62 - 136	2	20
2,2-Dichloropropane	<0.44		50.0	54.4		ug/L		109	58 - 139	4	20
1,1-Dichloropropene	<0.30		50.0	52.4		ug/L		105	70 - 121	1	20
Ethylbenzene	<0.18		50.0	52.0		ug/L		104	70 - 123	4	20
Hexachlorobutadiene	<0.45		50.0	56.0		ug/L		112	51 - 150	1	20
Isopropylbenzene	<0.39		50.0	50.7		ug/L		101	70 - 126	1	20
Methylene Chloride	<1.6		50.0	50.9		ug/L		102	69 - 125	3	20
Methyl tert-butyl ether	<0.39		50.0	48.7		ug/L		97	55 - 123	2	20
Naphthalene	<0.34		50.0	49.6		ug/L		99	53 - 144	7	20
n-Butylbenzene	<0.39		50.0	51.0		ug/L		102	68 - 125	1	20
N-Propylbenzene	<0.41		50.0	50.0		ug/L		100	69 - 127	1	20
p-Isopropyltoluene	<0.36		50.0	51.5		ug/L		103	70 - 125	0	20
sec-Butylbenzene	<0.40		50.0	51.2		ug/L		102	70 - 123	1	20
Styrene	<0.39		50.0	51.3		ug/L		103	70 - 120	4	20
tert-Butylbenzene	<0.40		50.0	51.3		ug/L		103	70 - 121	0	20
1,1,1,2-Tetrachloroethane	<0.46		50.0	51.1		ug/L		102	70 - 125	3	20
1,1,2,2-Tetrachloroethane	<0.40		50.0	42.7		ug/L		85	62 - 140	1	20
Tetrachloroethene	15		50.0	73.0		ug/L		117	70 - 128	2	20
Toluene	<0.15		50.0	52.4		ug/L		105	70 - 125	3	20
trans-1,2-Dichloroethene	1.7		50.0	52.6		ug/L		102	70 - 125	2	20
trans-1,3-Dichloropropene	<0.36		50.0	46.8		ug/L		94	62 - 128	4	20
1,2,3-Trichlorobenzene	<0.46		50.0	53.2		ug/L		106	51 - 145	8	20
1,2,4-Trichlorobenzene	<0.34		50.0	50.6		ug/L		101	57 - 137	6	20
1,1,1-Trichloroethane	<0.38		50.0	57.4		ug/L		115	70 - 125	3	20
1,1,2-Trichloroethane	<0.35		50.0	51.8		ug/L		104	71 - 130	5	20
Trichloroethene	8.5		50.0	62.4		ug/L		108	70 - 125	2	20
Trichlorofluoromethane	<0.43		50.0	50.8		ug/L		102	55 - 128	6	20
1,2,3-Trichloropropane	<0.41		50.0	45.0		ug/L		90	50 - 133	2	20
1,2,4-Trimethylbenzene	<0.36		50.0	50.1		ug/L		100	70 - 123	0	20
1,3,5-Trimethylbenzene	<0.25		50.0	50.5		ug/L		101	70 - 123	0	20
Vinyl chloride	3.2		50.0	49.6		ug/L		93	64 - 126	6	20
Xylenes, Total	<0.22		100	103		ug/L		103	70 - 125	3	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*88*		*72 - 124*
Dibromofluoromethane (Surr)	*97*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 126*
Toluene-d8 (Surr)	*100*		*75 - 120*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-614110/8
Matrix: Water
Analysis Batch: 614110

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			08/13/21 11:26	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/13/21 11:26	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/13/21 11:26	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/13/21 11:26	1
Bromoform	<0.48		1.0	0.48	ug/L			08/13/21 11:26	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/13/21 11:26	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			08/13/21 11:26	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/13/21 11:26	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/13/21 11:26	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/13/21 11:26	1
Chloroform	<0.37		2.0	0.37	ug/L			08/13/21 11:26	1
Chloromethane	<0.32		1.0	0.32	ug/L			08/13/21 11:26	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/13/21 11:26	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/13/21 11:26	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			08/13/21 11:26	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/13/21 11:26	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/13/21 11:26	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/13/21 11:26	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/13/21 11:26	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/13/21 11:26	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/13/21 11:26	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/13/21 11:26	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/13/21 11:26	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/13/21 11:26	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/13/21 11:26	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/13/21 11:26	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/13/21 11:26	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/13/21 11:26	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/13/21 11:26	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/13/21 11:26	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/13/21 11:26	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/13/21 11:26	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/13/21 11:26	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			08/13/21 11:26	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/13/21 11:26	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/13/21 11:26	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/13/21 11:26	1
Naphthalene	<0.34		1.0	0.34	ug/L			08/13/21 11:26	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/13/21 11:26	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			08/13/21 11:26	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			08/13/21 11:26	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			08/13/21 11:26	1
Styrene	<0.39		1.0	0.39	ug/L			08/13/21 11:26	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			08/13/21 11:26	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/13/21 11:26	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/13/21 11:26	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			08/13/21 11:26	1
Toluene	<0.15		0.50	0.15	ug/L			08/13/21 11:26	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-614110/8
Matrix: Water
Analysis Batch: 614110

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			08/13/21 11:26	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/13/21 11:26	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/13/21 11:26	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/13/21 11:26	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/13/21 11:26	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/13/21 11:26	1
Trichloroethene	<0.16		0.50	0.16	ug/L			08/13/21 11:26	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/13/21 11:26	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/13/21 11:26	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			08/13/21 11:26	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			08/13/21 11:26	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/13/21 11:26	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			08/13/21 11:26	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*72 - 124*		*08/13/21 11:26*	*1*
Dibromofluoromethane (Surr)	*92*		*75 - 120*		*08/13/21 11:26*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*75 - 126*		*08/13/21 11:26*	*1*
Toluene-d8 (Surr)	*97*		*75 - 120*		*08/13/21 11:26*	*1*

Lab Sample ID: LCS 500-614110/6
Matrix: Water
Analysis Batch: 614110

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	50.0	41.4		ug/L		83	70 - 120
Bromobenzene	50.0	44.1		ug/L		88	70 - 122
Bromochloromethane	50.0	44.4		ug/L		89	65 - 122
Bromodichloromethane	50.0	42.3		ug/L		85	69 - 120
Bromoform	50.0	44.4		ug/L		89	56 - 132
Bromomethane	50.0	42.6		ug/L		85	40 - 152
2-Butanone (MEK)	50.0	36.4		ug/L		73	46 - 144
Carbon tetrachloride	50.0	43.6		ug/L		87	59 - 133
Chlorobenzene	50.0	44.7		ug/L		89	70 - 120
Chloroethane	50.0	33.5		ug/L		67	48 - 136
Chloroform	50.0	42.3		ug/L		85	70 - 120
Chloromethane	50.0	34.7		ug/L		69	56 - 152
2-Chlorotoluene	50.0	41.2		ug/L		82	70 - 125
4-Chlorotoluene	50.0	41.3		ug/L		83	68 - 124
cis-1,2-Dichloroethene	50.0	42.2		ug/L		84	70 - 125
cis-1,3-Dichloropropene	50.0	44.3		ug/L		89	64 - 127
Dibromochloromethane	50.0	45.1		ug/L		90	68 - 125
1,2-Dibromo-3-Chloropropane	50.0	43.1		ug/L		86	56 - 123
1,2-Dibromoethane	50.0	46.3		ug/L		93	70 - 125
Dibromomethane	50.0	44.9		ug/L		90	70 - 120
1,2-Dichlorobenzene	50.0	45.6		ug/L		91	70 - 125
1,3-Dichlorobenzene	50.0	44.3		ug/L		89	70 - 125
1,4-Dichlorobenzene	50.0	45.4		ug/L		91	70 - 120

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-614110/6
Matrix: Water
Analysis Batch: 614110

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorodifluoromethane	50.0	38.5		ug/L		77	40 - 159
1,1-Dichloroethane	50.0	40.5		ug/L		81	70 - 125
1,2-Dichloroethane	50.0	42.3		ug/L		85	68 - 127
1,1-Dichloroethene	50.0	41.4		ug/L		83	67 - 122
1,2-Dichloropropane	50.0	42.2		ug/L		84	67 - 130
1,3-Dichloropropane	50.0	45.9		ug/L		92	62 - 136
2,2-Dichloropropane	50.0	39.2		ug/L		78	58 - 139
1,1-Dichloropropene	50.0	42.7		ug/L		85	70 - 121
Ethylbenzene	50.0	44.0		ug/L		88	70 - 123
Hexachlorobutadiene	50.0	46.7		ug/L		93	51 - 150
Isopropylbenzene	50.0	41.8		ug/L		84	70 - 126
Methylene Chloride	50.0	41.6		ug/L		83	69 - 125
Methyl tert-butyl ether	50.0	44.0		ug/L		88	55 - 123
Naphthalene	50.0	50.3		ug/L		101	53 - 144
n-Butylbenzene	50.0	41.6		ug/L		83	68 - 125
N-Propylbenzene	50.0	41.1		ug/L		82	69 - 127
p-Isopropyltoluene	50.0	42.7		ug/L		85	70 - 125
sec-Butylbenzene	50.0	41.2		ug/L		82	70 - 123
Styrene	50.0	44.4		ug/L		89	70 - 120
tert-Butylbenzene	50.0	42.4		ug/L		85	70 - 121
1,1,1,2-Tetrachloroethane	50.0	46.0		ug/L		92	70 - 125
1,1,2,2-Tetrachloroethane	50.0	42.9		ug/L		86	62 - 140
Tetrachloroethene	50.0	47.3		ug/L		95	70 - 128
Toluene	50.0	44.1		ug/L		88	70 - 125
trans-1,2-Dichloroethene	50.0	41.1		ug/L		82	70 - 125
trans-1,3-Dichloropropene	50.0	43.0		ug/L		86	62 - 128
1,2,3-Trichlorobenzene	50.0	52.0		ug/L		104	51 - 145
1,2,4-Trichlorobenzene	50.0	50.1		ug/L		100	57 - 137
1,1,1-Trichloroethane	50.0	41.9		ug/L		84	70 - 125
1,1,2-Trichloroethane	50.0	42.8		ug/L		86	71 - 130
Trichloroethene	50.0	45.9		ug/L		92	70 - 125
Trichlorofluoromethane	50.0	44.6		ug/L		89	55 - 128
1,2,3-Trichloropropane	50.0	44.1		ug/L		88	50 - 133
1,2,4-Trimethylbenzene	50.0	42.2		ug/L		84	70 - 123
1,3,5-Trimethylbenzene	50.0	42.0		ug/L		84	70 - 123
Vinyl chloride	50.0	41.4		ug/L		83	64 - 126
Xylenes, Total	100	84.9		ug/L		85	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*91*		*72 - 124*
Dibromofluoromethane (Surr)	*95*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*93*		*75 - 126*
Toluene-d8 (Surr)	*98*		*75 - 120*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-614295/6
Matrix: Water
Analysis Batch: 614295

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			08/15/21 12:40	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/15/21 12:40	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/15/21 12:40	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/15/21 12:40	1
Bromoform	<0.48		1.0	0.48	ug/L			08/15/21 12:40	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/15/21 12:40	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			08/15/21 12:40	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/15/21 12:40	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/15/21 12:40	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/15/21 12:40	1
Chloroform	<0.37		2.0	0.37	ug/L			08/15/21 12:40	1
Chloromethane	<0.32		1.0	0.32	ug/L			08/15/21 12:40	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/15/21 12:40	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/15/21 12:40	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			08/15/21 12:40	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/15/21 12:40	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/15/21 12:40	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/15/21 12:40	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/15/21 12:40	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/15/21 12:40	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/15/21 12:40	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/15/21 12:40	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/15/21 12:40	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/15/21 12:40	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/15/21 12:40	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/15/21 12:40	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/15/21 12:40	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/15/21 12:40	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/15/21 12:40	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/15/21 12:40	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/15/21 12:40	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/15/21 12:40	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/15/21 12:40	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			08/15/21 12:40	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/15/21 12:40	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/15/21 12:40	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/15/21 12:40	1
Naphthalene	<0.34		1.0	0.34	ug/L			08/15/21 12:40	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/15/21 12:40	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			08/15/21 12:40	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			08/15/21 12:40	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			08/15/21 12:40	1
Styrene	<0.39		1.0	0.39	ug/L			08/15/21 12:40	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			08/15/21 12:40	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/15/21 12:40	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/15/21 12:40	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			08/15/21 12:40	1
Toluene	<0.15		0.50	0.15	ug/L			08/15/21 12:40	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-614295/6
Matrix: Water
Analysis Batch: 614295

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			08/15/21 12:40	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/15/21 12:40	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/15/21 12:40	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/15/21 12:40	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/15/21 12:40	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/15/21 12:40	1
Trichloroethene	<0.16		0.50	0.16	ug/L			08/15/21 12:40	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/15/21 12:40	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/15/21 12:40	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			08/15/21 12:40	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			08/15/21 12:40	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/15/21 12:40	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			08/15/21 12:40	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*72 - 124*		*08/15/21 12:40*	*1*
Dibromofluoromethane (Surr)	*108*		*75 - 120*		*08/15/21 12:40*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 126*		*08/15/21 12:40*	*1*
Toluene-d8 (Surr)	*97*		*75 - 120*		*08/15/21 12:40*	*1*

Lab Sample ID: LCS 500-614295/4
Matrix: Water
Analysis Batch: 614295

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	50.0	50.4		ug/L		101	70 - 120
Bromobenzene	50.0	44.7		ug/L		89	70 - 122
Bromochloromethane	50.0	52.0		ug/L		104	65 - 122
Bromodichloromethane	50.0	49.4		ug/L		99	69 - 120
Bromoform	50.0	50.6		ug/L		101	56 - 132
Bromomethane	50.0	67.1		ug/L		134	40 - 152
2-Butanone (MEK)	50.0	50.6		ug/L		101	46 - 144
Carbon tetrachloride	50.0	50.9		ug/L		102	59 - 133
Chlorobenzene	50.0	45.5		ug/L		91	70 - 120
Chloroethane	50.0	46.6		ug/L		93	48 - 136
Chloroform	50.0	47.3		ug/L		95	70 - 120
Chloromethane	50.0	33.4		ug/L		67	56 - 152
2-Chlorotoluene	50.0	43.8		ug/L		88	70 - 125
4-Chlorotoluene	50.0	43.9		ug/L		88	68 - 124
cis-1,2-Dichloroethene	50.0	47.5		ug/L		95	70 - 125
cis-1,3-Dichloropropene	50.0	47.9		ug/L		96	64 - 127
Dibromochloromethane	50.0	48.0		ug/L		96	68 - 125
1,2-Dibromo-3-Chloropropane	50.0	45.2		ug/L		90	56 - 123
1,2-Dibromoethane	50.0	46.4		ug/L		93	70 - 125
Dibromomethane	50.0	55.2		ug/L		110	70 - 120
1,2-Dichlorobenzene	50.0	43.7		ug/L		87	70 - 125
1,3-Dichlorobenzene	50.0	44.9		ug/L		90	70 - 125
1,4-Dichlorobenzene	50.0	44.2		ug/L		88	70 - 120

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-614295/4
Matrix: Water
Analysis Batch: 614295

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorodifluoromethane	50.0	37.7		ug/L		75	40 - 159
1,1-Dichloroethane	50.0	44.4		ug/L		89	70 - 125
1,2-Dichloroethane	50.0	45.6		ug/L		91	68 - 127
1,1-Dichloroethene	50.0	45.7		ug/L		91	67 - 122
1,2-Dichloropropane	50.0	45.8		ug/L		92	67 - 130
1,3-Dichloropropane	50.0	49.6		ug/L		99	62 - 136
2,2-Dichloropropane	50.0	49.2		ug/L		98	58 - 139
1,1-Dichloropropene	50.0	51.5		ug/L		103	70 - 121
Ethylbenzene	50.0	44.6		ug/L		89	70 - 123
Hexachlorobutadiene	50.0	43.3		ug/L		87	51 - 150
Isopropylbenzene	50.0	45.2		ug/L		90	70 - 126
Methylene Chloride	50.0	46.3		ug/L		93	69 - 125
Methyl tert-butyl ether	50.0	45.5		ug/L		91	55 - 123
Naphthalene	50.0	40.0		ug/L		80	53 - 144
n-Butylbenzene	50.0	45.9		ug/L		92	68 - 125
N-Propylbenzene	50.0	44.8		ug/L		90	69 - 127
p-Isopropyltoluene	50.0	44.2		ug/L		88	70 - 125
sec-Butylbenzene	50.0	44.9		ug/L		90	70 - 123
Styrene	50.0	47.4		ug/L		95	70 - 120
tert-Butylbenzene	50.0	42.7		ug/L		85	70 - 121
1,1,1,2-Tetrachloroethane	50.0	48.1		ug/L		96	70 - 125
1,1,2,2-Tetrachloroethane	50.0	45.6		ug/L		91	62 - 140
Tetrachloroethene	50.0	45.0		ug/L		90	70 - 128
Toluene	50.0	45.8		ug/L		92	70 - 125
trans-1,2-Dichloroethene	50.0	47.0		ug/L		94	70 - 125
trans-1,3-Dichloropropene	50.0	48.1		ug/L		96	62 - 128
1,2,3-Trichlorobenzene	50.0	39.8		ug/L		80	51 - 145
1,2,4-Trichlorobenzene	50.0	42.3		ug/L		85	57 - 137
1,1,1-Trichloroethane	50.0	49.2		ug/L		98	70 - 125
1,1,2-Trichloroethane	50.0	46.8		ug/L		94	71 - 130
Trichloroethene	50.0	51.5		ug/L		103	70 - 125
Trichlorofluoromethane	50.0	51.6		ug/L		103	55 - 128
1,2,3-Trichloropropane	50.0	48.6		ug/L		97	50 - 133
1,2,4-Trimethylbenzene	50.0	44.7		ug/L		89	70 - 123
1,3,5-Trimethylbenzene	50.0	44.0		ug/L		88	70 - 123
Vinyl chloride	50.0	43.8		ug/L		88	64 - 126
Xylenes, Total	100	88.4		ug/L		88	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*91*		*72 - 124*
Dibromofluoromethane (Surr)	*109*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*105*		*75 - 126*
Toluene-d8 (Surr)	*96*		*75 - 120*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 500-613143/1-A
Matrix: Water
Analysis Batch: 613365

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 613143

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.067		0.40	0.067	ug/L		08/06/21 19:21	08/09/21 16:55	1
PCB-1221	<0.20		0.40	0.20	ug/L		08/06/21 19:21	08/09/21 16:55	1
PCB-1232	<0.20		0.40	0.20	ug/L		08/06/21 19:21	08/09/21 16:55	1
PCB-1242	<0.20		0.40	0.20	ug/L		08/06/21 19:21	08/09/21 16:55	1
PCB-1248	<0.20		0.40	0.20	ug/L		08/06/21 19:21	08/09/21 16:55	1
PCB-1254	<0.20		0.40	0.20	ug/L		08/06/21 19:21	08/09/21 16:55	1
PCB-1260	<0.070		0.40	0.070	ug/L		08/06/21 19:21	08/09/21 16:55	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*76*		*30 - 120*	*08/06/21 19:21*	*08/09/21 16:55*	*1*
DCB Decachlorobiphenyl	*94*		*30 - 140*	*08/06/21 19:21*	*08/09/21 16:55*	*1*

Lab Sample ID: LCS 500-613143/4-A
Matrix: Water
Analysis Batch: 613365

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 613143

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016			4.00	3.81		ug/L		95	56 - 120		
PCB-1260			4.00	4.52		ug/L		113	53 - 137		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*78*		*30 - 120*
DCB Decachlorobiphenyl	*97*		*30 - 140*

Lab Sample ID: LCSD 500-613143/5-A
Matrix: Water
Analysis Batch: 613365

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 613143

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016			4.00	3.90		ug/L		98	56 - 120	2	20
PCB-1260			4.00	4.63		ug/L		116	53 - 137	3	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Tetrachloro-m-xylene	*80*		*30 - 120*
DCB Decachlorobiphenyl	*101*		*30 - 140*

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-514062/1-A
Matrix: Water
Analysis Batch: 514536

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 514062

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.4		5.0	2.4	ng/L		08/06/21 20:10	08/09/21 15:48	1
Perfluoropentanoic acid (PFPeA)	<0.49		2.0	0.49	ng/L		08/06/21 20:10	08/09/21 15:48	1
Perfluorohexanoic acid (PFHxA)	<0.58		2.0	0.58	ng/L		08/06/21 20:10	08/09/21 15:48	1
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		08/06/21 20:10	08/09/21 15:48	1
Perfluorooctanoic acid (PFOA)	<0.85		2.0	0.85	ng/L		08/06/21 20:10	08/09/21 15:48	1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: MB 320-514062/1-A
Matrix: Water
Analysis Batch: 514536

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 514062

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		08/06/21 20:10	08/09/21 15:48	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		08/06/21 20:10	08/09/21 15:48	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		08/06/21 20:10	08/09/21 15:48	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		08/06/21 20:10	08/09/21 15:48	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		08/06/21 20:10	08/09/21 15:48	1
Perfluorotetradecanoic acid (PFTeA)	<0.73		2.0	0.73	ng/L		08/06/21 20:10	08/09/21 15:48	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		08/06/21 20:10	08/09/21 15:48	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		08/06/21 20:10	08/09/21 15:48	1
Perfluorohexanesulfonic acid (PFHxS)	<0.57		2.0	0.57	ng/L		08/06/21 20:10	08/09/21 15:48	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.19		2.0	0.19	ng/L		08/06/21 20:10	08/09/21 15:48	1
Perfluorooctanesulfonic acid (PFOS)	<0.54		2.0	0.54	ng/L		08/06/21 20:10	08/09/21 15:48	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		08/06/21 20:10	08/09/21 15:48	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		08/06/21 20:10	08/09/21 15:48	1
Perfluorododecanesulfonic acid (PFDoS)	<0.97		2.0	0.97	ng/L		08/06/21 20:10	08/09/21 15:48	1
Perfluorooctanesulfonamide (FOSA)	<0.98		2.0	0.98	ng/L		08/06/21 20:10	08/09/21 15:48	1
NEtFOSA	<0.87		2.0	0.87	ng/L		08/06/21 20:10	08/09/21 15:48	1
NMeFOSA	<0.43		2.0	0.43	ng/L		08/06/21 20:10	08/09/21 15:48	1
NMeFOSAA	<1.2		5.0	1.2	ng/L		08/06/21 20:10	08/09/21 15:48	1
NEtFOSAA	<1.3		5.0	1.3	ng/L		08/06/21 20:10	08/09/21 15:48	1
NMeFOSE	<1.4		4.0	1.4	ng/L		08/06/21 20:10	08/09/21 15:48	1
NEtFOSE	<0.85		2.0	0.85	ng/L		08/06/21 20:10	08/09/21 15:48	1
4:2 FTS	<0.24		2.0	0.24	ng/L		08/06/21 20:10	08/09/21 15:48	1
6:2 FTS	<2.5		5.0	2.5	ng/L		08/06/21 20:10	08/09/21 15:48	1
8:2 FTS	<0.46		2.0	0.46	ng/L		08/06/21 20:10	08/09/21 15:48	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		08/06/21 20:10	08/09/21 15:48	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		08/06/21 20:10	08/09/21 15:48	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		08/06/21 20:10	08/09/21 15:48	1
11Cl-PF3OUdS	<0.32		2.0	0.32	ng/L		08/06/21 20:10	08/09/21 15:48	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*94*		*25 - 150*	*08/06/21 20:10*	*08/09/21 15:48*	*1*
13C5 PFPeA	*91*		*25 - 150*	*08/06/21 20:10*	*08/09/21 15:48*	*1*
13C2 PFHxA	*101*		*25 - 150*	*08/06/21 20:10*	*08/09/21 15:48*	*1*
13C4 PFHpA	*101*		*25 - 150*	*08/06/21 20:10*	*08/09/21 15:48*	*1*
13C4 PFOA	*101*		*25 - 150*	*08/06/21 20:10*	*08/09/21 15:48*	*1*
13C5 PFNA	*102*		*25 - 150*	*08/06/21 20:10*	*08/09/21 15:48*	*1*
13C2 PFDA	*114*		*25 - 150*	*08/06/21 20:10*	*08/09/21 15:48*	*1*
13C2 PFUnA	*112*		*25 - 150*	*08/06/21 20:10*	*08/09/21 15:48*	*1*
13C2 PFDoA	*92*		*25 - 150*	*08/06/21 20:10*	*08/09/21 15:48*	*1*
13C2 PFTeDA	*97*		*25 - 150*	*08/06/21 20:10*	*08/09/21 15:48*	*1*
13C3 PFBS	*91*		*25 - 150*	*08/06/21 20:10*	*08/09/21 15:48*	*1*
18O2 PFHxS	*95*		*25 - 150*	*08/06/21 20:10*	*08/09/21 15:48*	*1*
13C4 PFOS	*95*		*25 - 150*	*08/06/21 20:10*	*08/09/21 15:48*	*1*
13C8 FOSA	*99*		*10 - 150*	*08/06/21 20:10*	*08/09/21 15:48*	*1*
d3-NMeFOSAA	*94*		*25 - 150*	*08/06/21 20:10*	*08/09/21 15:48*	*1*
d5-NEtFOSAA	*102*		*25 - 150*	*08/06/21 20:10*	*08/09/21 15:48*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: MB 320-514062/1-A
Matrix: Water
Analysis Batch: 514536

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 514062

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
d-N-MeFOSA-M	86		10 - 150	08/06/21 20:10	08/09/21 15:48	1
d-N-EtFOSA-M	83		10 - 150	08/06/21 20:10	08/09/21 15:48	1
d7-N-MeFOSE-M	85		10 - 150	08/06/21 20:10	08/09/21 15:48	1
d9-N-EtFOSE-M	96		10 - 150	08/06/21 20:10	08/09/21 15:48	1
M2-4:2 FTS	112		25 - 150	08/06/21 20:10	08/09/21 15:48	1
M2-6:2 FTS	132		25 - 150	08/06/21 20:10	08/09/21 15:48	1
M2-8:2 FTS	124		25 - 150	08/06/21 20:10	08/09/21 15:48	1
13C3 HFPO-DA	102		25 - 150	08/06/21 20:10	08/09/21 15:48	1
13C2 10:2 FTS	122		25 - 150	08/06/21 20:10	08/09/21 15:48	1

Lab Sample ID: LCS 320-514062/2-A
Matrix: Water
Analysis Batch: 514536

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 514062

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorobutanoic acid (PFBA)	40.0	45.4		ng/L		114	60 - 135
Perfluoropentanoic acid (PFPeA)	40.0	39.3		ng/L		98	60 - 135
Perfluorohexanoic acid (PFHxA)	40.0	39.4		ng/L		99	60 - 135
Perfluoroheptanoic acid (PFHpA)	40.0	41.5		ng/L		104	60 - 135
Perfluorooctanoic acid (PFOA)	40.0	41.7		ng/L		104	60 - 135
Perfluorononanoic acid (PFNA)	40.0	40.4		ng/L		101	60 - 135
Perfluorodecanoic acid (PFDA)	40.0	36.0		ng/L		90	60 - 135
Perfluoroundecanoic acid (PFUnA)	40.0	40.1		ng/L		100	60 - 135
Perfluorododecanoic acid (PFDoA)	40.0	39.5		ng/L		99	60 - 135
Perfluorotridecanoic acid (PFTrDA)	40.0	42.4		ng/L		106	60 - 135
Perfluorotetradecanoic acid (PFTeA)	40.0	40.7		ng/L		102	60 - 135
Perfluorobutanesulfonic acid (PFBS)	35.4	38.6		ng/L		109	60 - 135
Perfluoropentanesulfonic acid (PFPeS)	37.5	43.6		ng/L		116	60 - 135
Perfluorohexanesulfonic acid (PFHxS)	36.4	36.2		ng/L		100	60 - 135
Perfluoroheptanesulfonic Acid (PFHpS)	38.1	37.6		ng/L		99	60 - 135
Perfluorooctanesulfonic acid (PFOS)	37.1	38.0		ng/L		102	60 - 135
Perfluorononanesulfonic acid (PFNS)	38.4	37.0		ng/L		96	60 - 135
Perfluorodecanesulfonic acid (PFDS)	38.6	38.1		ng/L		99	60 - 135
Perfluorododecanesulfonic acid (PFDoS)	38.7	39.2		ng/L		101	60 - 135
Perfluorooctanesulfonamide (FOSA)	40.0	36.0		ng/L		90	60 - 135
NEtFOSA	40.0	35.0		ng/L		88	60 - 135
NMeFOSA	40.0	41.4		ng/L		103	60 - 135
NMeFOSAA	40.0	47.7		ng/L		119	60 - 135
NEtFOSAA	40.0	39.5		ng/L		99	60 - 135

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-514062/2-A
Matrix: Water
Analysis Batch: 514536

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 514062

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
NMeFOSE	40.0	44.2		ng/L		110	60 - 135
NEtFOSE	40.0	39.9		ng/L		100	60 - 135
4:2 FTS	37.4	37.3		ng/L		100	60 - 135
6:2 FTS	37.9	33.4		ng/L		88	60 - 135
8:2 FTS	38.3	33.4		ng/L		87	60 - 135
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.7	39.2		ng/L		104	60 - 135
HFPO-DA (GenX)	40.0	40.9		ng/L		102	60 - 135
9Cl-PF3ONS	37.3	34.4		ng/L		92	60 - 135
11Cl-PF3OUdS	37.7	35.1		ng/L		93	60 - 135

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*94*		*25 - 150*
13C5 PFPeA	*103*		*25 - 150*
13C2 PFHxA	*102*		*25 - 150*
13C4 PFHpA	*107*		*25 - 150*
13C4 PFOA	*106*		*25 - 150*
13C5 PFNA	*107*		*25 - 150*
13C2 PFDA	*115*		*25 - 150*
13C2 PFUnA	*117*		*25 - 150*
13C2 PFDoA	*99*		*25 - 150*
13C2 PFTeDA	*113*		*25 - 150*
13C3 PFBS	*97*		*25 - 150*
18O2 PFHxS	*99*		*25 - 150*
13C4 PFOS	*102*		*25 - 150*
13C8 FOSA	*100*		*10 - 150*
d3-NMeFOSAA	*96*		*25 - 150*
d5-NEtFOSAA	*106*		*25 - 150*
d-N-MeFOSA-M	*93*		*10 - 150*
d-N-EtFOSA-M	*89*		*10 - 150*
d7-N-MeFOSE-M	*88*		*10 - 150*
d9-N-EtFOSE-M	*100*		*10 - 150*
M2-4:2 FTS	*122*		*25 - 150*
M2-6:2 FTS	*127*		*25 - 150*
M2-8:2 FTS	*124*		*25 - 150*
13C3 HFPO-DA	*105*		*25 - 150*
13C2 10:2 FTS	*127*		*25 - 150*

Lab Sample ID: LCSD 320-514062/3-A
Matrix: Water
Analysis Batch: 514536

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 514062

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	40.0	42.1		ng/L		105	60 - 135	8	30
Perfluoropentanoic acid (PFPeA)	40.0	42.2		ng/L		105	60 - 135	7	30
Perfluorohexanoic acid (PFHxA)	40.0	40.4		ng/L		101	60 - 135	3	30
Perfluoroheptanoic acid (PFHpA)	40.0	38.7		ng/L		97	60 - 135	7	30
Perfluorooctanoic acid (PFOA)	40.0	42.8		ng/L		107	60 - 135	2	30
Perfluorononanoic acid (PFNA)	40.0	40.0		ng/L		100	60 - 135	1	30

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCSD 320-514062/3-A
Matrix: Water
Analysis Batch: 514536

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 514062

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorodecanoic acid (PFDA)			40.0	33.5		ng/L		84	60 - 135	7	30
Perfluoroundecanoic acid (PFUnA)			40.0	39.5		ng/L		99	60 - 135	2	30
Perfluorododecanoic acid (PFDoA)			40.0	38.7		ng/L		97	60 - 135	2	30
Perfluorotridecanoic acid (PFTrDA)			40.0	40.6		ng/L		101	60 - 135	4	30
Perfluorotetradecanoic acid (PFTeA)			40.0	40.5		ng/L		101	60 - 135	1	30
Perfluorobutanesulfonic acid (PFBS)			35.4	37.1		ng/L		105	60 - 135	4	30
Perfluoropentanesulfonic acid (PFPeS)			37.5	44.5		ng/L		119	60 - 135	2	30
Perfluorohexanesulfonic acid (PFHxS)			36.4	36.6		ng/L		100	60 - 135	1	30
Perfluoroheptanesulfonic Acid (PFHpS)			38.1	38.0		ng/L		100	60 - 135	1	30
Perfluorooctanesulfonic acid (PFOS)			37.1	37.1		ng/L		100	60 - 135	3	30
Perfluorononanesulfonic acid (PFNS)			38.4	39.4		ng/L		103	60 - 135	6	30
Perfluorodecanesulfonic acid (PFDS)			38.6	39.6		ng/L		103	60 - 135	4	30
Perfluorododecanesulfonic acid (PFDoS)			38.7	42.0		ng/L		108	60 - 135	7	30
Perfluorooctanesulfonamide (FOSA)			40.0	36.7		ng/L		92	60 - 135	2	30
NEtFOSA			40.0	38.7		ng/L		97	60 - 135	10	30
NMeFOSA			40.0	42.5		ng/L		106	60 - 135	3	30
NMeFOSAA			40.0	48.0		ng/L		120	60 - 135	1	30
NEtFOSAA			40.0	42.9		ng/L		107	60 - 135	8	30
NMeFOSE			40.0	41.1		ng/L		103	60 - 135	7	30
NEtFOSE			40.0	42.9		ng/L		107	60 - 135	7	30
4:2 FTS			37.4	39.6		ng/L		106	60 - 135	6	30
6:2 FTS			37.9	32.7		ng/L		86	60 - 135	2	30
8:2 FTS			38.3	34.5		ng/L		90	60 - 135	3	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)			37.7	40.3		ng/L		107	60 - 135	3	30
HFPO-DA (GenX)			40.0	38.2		ng/L		95	60 - 135	7	30
9Cl-PF3ONS			37.3	35.8		ng/L		96	60 - 135	4	30
11Cl-PF3OUdS			37.7	37.6		ng/L		100	60 - 135	7	30

Isotope Dilution	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
13C4 PFBA	*96*		*25 - 150*
13C5 PFPeA	*96*		*25 - 150*
13C2 PFHxA	*98*		*25 - 150*
13C4 PFHpA	*108*		*25 - 150*
13C4 PFOA	*100*		*25 - 150*
13C5 PFNA	*108*		*25 - 150*
13C2 PFDA	*115*		*25 - 150*
13C2 PFUnA	*116*		*25 - 150*
13C2 PFDoA	*102*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCSD 320-514062/3-A
Matrix: Water
Analysis Batch: 514536

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 514062

Isotope Dilution	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
13C2 PFTeDA	*104*		*25 - 150*
13C3 PFBS	*94*		*25 - 150*
18O2 PFHxS	*96*		*25 - 150*
13C4 PFOS	*97*		*25 - 150*
13C8 FOSA	*98*		*10 - 150*
d3-NMeFOSAA	*95*		*25 - 150*
d5-NEtFOSAA	*100*		*25 - 150*
d-N-MeFOSA-M	*84*		*10 - 150*
d-N-EtFOSA-M	*80*		*10 - 150*
d7-N-MeFOSE-M	*91*		*10 - 150*
d9-N-EtFOSE-M	*89*		*10 - 150*
M2-4:2 FTS	*119*		*25 - 150*
M2-6:2 FTS	*126*		*25 - 150*
M2-8:2 FTS	*128*		*25 - 150*
13C3 HFPO-DA	*104*		*25 - 150*
13C2 10:2 FTS	*124*		*25 - 150*

Lab Sample ID: MB 320-514346/1-A
Matrix: Water
Analysis Batch: 515763

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 514346

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.4		5.0	2.4	ng/L		08/09/21 05:29	08/13/21 17:39	1
Perfluoropentanoic acid (PFPeA)	<0.49		2.0	0.49	ng/L		08/09/21 05:29	08/13/21 17:39	1
Perfluorohexanoic acid (PFHxA)	<0.58		2.0	0.58	ng/L		08/09/21 05:29	08/13/21 17:39	1
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		08/09/21 05:29	08/13/21 17:39	1
Perfluorooctanoic acid (PFOA)	<0.85		2.0	0.85	ng/L		08/09/21 05:29	08/13/21 17:39	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		08/09/21 05:29	08/13/21 17:39	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		08/09/21 05:29	08/13/21 17:39	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		08/09/21 05:29	08/13/21 17:39	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		08/09/21 05:29	08/13/21 17:39	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		08/09/21 05:29	08/13/21 17:39	1
Perfluorotetradecanoic acid (PFTeA)	<0.73		2.0	0.73	ng/L		08/09/21 05:29	08/13/21 17:39	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		08/09/21 05:29	08/13/21 17:39	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		08/09/21 05:29	08/13/21 17:39	1
Perfluorohexanesulfonic acid (PFHxS)	<0.57		2.0	0.57	ng/L		08/09/21 05:29	08/13/21 17:39	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.19		2.0	0.19	ng/L		08/09/21 05:29	08/13/21 17:39	1
Perfluorooctanesulfonic acid (PFOS)	<0.54		2.0	0.54	ng/L		08/09/21 05:29	08/13/21 17:39	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		08/09/21 05:29	08/13/21 17:39	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		08/09/21 05:29	08/13/21 17:39	1
Perfluorododecanesulfonic acid (PFDoS)	<0.97		2.0	0.97	ng/L		08/09/21 05:29	08/13/21 17:39	1
Perfluorooctanesulfonamide (FOSA)	<0.98		2.0	0.98	ng/L		08/09/21 05:29	08/13/21 17:39	1
NEtFOSA	<0.87		2.0	0.87	ng/L		08/09/21 05:29	08/13/21 17:39	1
NMeFOSA	<0.43		2.0	0.43	ng/L		08/09/21 05:29	08/13/21 17:39	1
NMeFOSAA	<1.2		5.0	1.2	ng/L		08/09/21 05:29	08/13/21 17:39	1
NEtFOSAA	<1.3		5.0	1.3	ng/L		08/09/21 05:29	08/13/21 17:39	1
NMeFOSE	<1.4		4.0	1.4	ng/L		08/09/21 05:29	08/13/21 17:39	1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: MB 320-514346/1-A
Matrix: Water
Analysis Batch: 515763

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 514346

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
NEtFOSE	<0.85		2.0	0.85	ng/L		08/09/21 05:29	08/13/21 17:39	1
4:2 FTS	<0.24		2.0	0.24	ng/L		08/09/21 05:29	08/13/21 17:39	1
6:2 FTS	<2.5		5.0	2.5	ng/L		08/09/21 05:29	08/13/21 17:39	1
8:2 FTS	<0.46		2.0	0.46	ng/L		08/09/21 05:29	08/13/21 17:39	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		08/09/21 05:29	08/13/21 17:39	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		08/09/21 05:29	08/13/21 17:39	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		08/09/21 05:29	08/13/21 17:39	1
11Cl-PF3OUdS	<0.32		2.0	0.32	ng/L		08/09/21 05:29	08/13/21 17:39	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*89*		*25 - 150*	*08/09/21 05:29*	*08/13/21 17:39*	*1*
13C5 PFPeA	*95*		*25 - 150*	*08/09/21 05:29*	*08/13/21 17:39*	*1*
13C2 PFHxA	*90*		*25 - 150*	*08/09/21 05:29*	*08/13/21 17:39*	*1*
13C4 PFHpA	*99*		*25 - 150*	*08/09/21 05:29*	*08/13/21 17:39*	*1*
13C4 PFOA	*96*		*25 - 150*	*08/09/21 05:29*	*08/13/21 17:39*	*1*
13C5 PFNA	*95*		*25 - 150*	*08/09/21 05:29*	*08/13/21 17:39*	*1*
13C2 PFDA	*103*		*25 - 150*	*08/09/21 05:29*	*08/13/21 17:39*	*1*
13C2 PFUnA	*98*		*25 - 150*	*08/09/21 05:29*	*08/13/21 17:39*	*1*
13C2 PFDoA	*101*		*25 - 150*	*08/09/21 05:29*	*08/13/21 17:39*	*1*
13C2 PFTeDA	*104*		*25 - 150*	*08/09/21 05:29*	*08/13/21 17:39*	*1*
13C3 PFBS	*105*		*25 - 150*	*08/09/21 05:29*	*08/13/21 17:39*	*1*
18O2 PFHxS	*94*		*25 - 150*	*08/09/21 05:29*	*08/13/21 17:39*	*1*
13C4 PFOS	*94*		*25 - 150*	*08/09/21 05:29*	*08/13/21 17:39*	*1*
13C8 FOSA	*90*		*10 - 150*	*08/09/21 05:29*	*08/13/21 17:39*	*1*
d3-NMeFOSAA	*92*		*25 - 150*	*08/09/21 05:29*	*08/13/21 17:39*	*1*
d5-NEtFOSAA	*95*		*25 - 150*	*08/09/21 05:29*	*08/13/21 17:39*	*1*
d-N-MeFOSA-M	*69*		*10 - 150*	*08/09/21 05:29*	*08/13/21 17:39*	*1*
d-N-EtFOSA-M	*71*		*10 - 150*	*08/09/21 05:29*	*08/13/21 17:39*	*1*
d7-N-MeFOSE-M	*82*		*10 - 150*	*08/09/21 05:29*	*08/13/21 17:39*	*1*
d9-N-EtFOSE-M	*89*		*10 - 150*	*08/09/21 05:29*	*08/13/21 17:39*	*1*
M2-4:2 FTS	*89*		*25 - 150*	*08/09/21 05:29*	*08/13/21 17:39*	*1*
M2-6:2 FTS	*100*		*25 - 150*	*08/09/21 05:29*	*08/13/21 17:39*	*1*
M2-8:2 FTS	*97*		*25 - 150*	*08/09/21 05:29*	*08/13/21 17:39*	*1*
13C3 HFPO-DA	*97*		*25 - 150*	*08/09/21 05:29*	*08/13/21 17:39*	*1*
13C2 10:2 FTS	*105*		*25 - 150*	*08/09/21 05:29*	*08/13/21 17:39*	*1*

Lab Sample ID: LCS 320-514346/2-A
Matrix: Water
Analysis Batch: 515763

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 514346

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorobutanoic acid (PFBA)	40.0	43.4		ng/L		108	60 - 135
Perfluoropentanoic acid (PFPeA)	40.0	43.4		ng/L		108	60 - 135
Perfluorohexanoic acid (PFHxA)	40.0	43.0		ng/L		107	60 - 135
Perfluoroheptanoic acid (PFHpA)	40.0	42.2		ng/L		106	60 - 135
Perfluorooctanoic acid (PFOA)	40.0	45.3		ng/L		113	60 - 135
Perfluorononanoic acid (PFNA)	40.0	44.3		ng/L		111	60 - 135
Perfluorodecanoic acid (PFDA)	40.0	39.1		ng/L		98	60 - 135

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-514346/2-A
Matrix: Water
Analysis Batch: 515763

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 514346

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluoroundecanoic acid (PFUnA)	40.0	44.8		ng/L		112	60 - 135
Perfluorododecanoic acid (PFDoA)	40.0	39.4		ng/L		98	60 - 135
Perfluorotridecanoic acid (PFTrDA)	40.0	43.4		ng/L		109	60 - 135
Perfluorotetradecanoic acid (PFTeA)	40.0	44.2		ng/L		111	60 - 135
Perfluorobutanesulfonic acid (PFBS)	35.4	35.1		ng/L		99	60 - 135
Perfluoropentanesulfonic acid (PFPeS)	37.5	39.0		ng/L		104	60 - 135
Perfluorohexanesulfonic acid (PFHxS)	36.4	37.7		ng/L		104	60 - 135
Perfluoroheptanesulfonic Acid (PFHpS)	38.1	41.2		ng/L		108	60 - 135
Perfluorooctanesulfonic acid (PFOS)	37.1	40.3		ng/L		108	60 - 135
Perfluorononanesulfonic acid (PFNS)	38.4	40.6		ng/L		106	60 - 135
Perfluorodecanesulfonic acid (PFDS)	38.6	40.0		ng/L		104	60 - 135
Perfluorododecanesulfonic acid (PFDoS)	38.7	41.9		ng/L		108	60 - 135
Perfluorooctanesulfonamide (FOSA)	40.0	39.3		ng/L		98	60 - 135
NEtFOSA	40.0	35.8		ng/L		89	60 - 135
NMeFOSA	40.0	42.6		ng/L		107	60 - 135
NMeFOSAA	40.0	42.4		ng/L		106	60 - 135
NEtFOSAA	40.0	41.1		ng/L		103	60 - 135
NMeFOSE	40.0	41.7		ng/L		104	60 - 135
NEtFOSE	40.0	45.0		ng/L		113	60 - 135
4:2 FTS	37.4	40.5		ng/L		108	60 - 135
6:2 FTS	37.9	34.2		ng/L		90	60 - 135
8:2 FTS	38.3	36.5		ng/L		95	60 - 135
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.7	41.5		ng/L		110	60 - 135
HFPO-DA (GenX)	40.0	39.8		ng/L		100	60 - 135
9Cl-PF3ONS	37.3	38.3		ng/L		103	60 - 135
11Cl-PF3OUdS	37.7	38.4		ng/L		102	60 - 135

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*96*		*25 - 150*
13C5 PFPeA	*94*		*25 - 150*
13C2 PFHxA	*95*		*25 - 150*
13C4 PFHpA	*106*		*25 - 150*
13C4 PFOA	*98*		*25 - 150*
13C5 PFNA	*98*		*25 - 150*
13C2 PFDA	*108*		*25 - 150*
13C2 PFUnA	*109*		*25 - 150*
13C2 PFDoA	*108*		*25 - 150*
13C2 PFTeDA	*104*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-514346/2-A
Matrix: Water
Analysis Batch: 515763

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 514346

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
13C3 PFBS	109		25 - 150
18O2 PFHxS	98		25 - 150
13C4 PFOS	97		25 - 150
13C8 FOSA	97		10 - 150
d3-NMeFOSAA	100		25 - 150
d5-NEtFOSAA	105		25 - 150
d-N-MeFOSA-M	78		10 - 150
d-N-EtFOSA-M	80		10 - 150
d7-N-MeFOSE-M	93		10 - 150
d9-N-EtFOSE-M	92		10 - 150
M2-4:2 FTS	98		25 - 150
M2-6:2 FTS	102		25 - 150
M2-8:2 FTS	104		25 - 150
13C3 HFPO-DA	103		25 - 150
13C2 10:2 FTS	106		25 - 150

Lab Sample ID: LCSD 320-514346/3-A
Matrix: Water
Analysis Batch: 515763

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 514346

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)			40.0	46.0		ng/L		115	60 - 135	6	30
Perfluoropentanoic acid (PFPeA)			40.0	41.9		ng/L		105	60 - 135	3	30
Perfluorohexanoic acid (PFHxA)			40.0	41.3		ng/L		103	60 - 135	4	30
Perfluoroheptanoic acid (PFHpA)			40.0	42.3		ng/L		106	60 - 135	0	30
Perfluorooctanoic acid (PFOA)			40.0	44.0		ng/L		110	60 - 135	3	30
Perfluorononanoic acid (PFNA)			40.0	45.9		ng/L		115	60 - 135	4	30
Perfluorodecanoic acid (PFDA)			40.0	40.7		ng/L		102	60 - 135	4	30
Perfluoroundecanoic acid (PFUnA)			40.0	40.3		ng/L		101	60 - 135	11	30
Perfluorododecanoic acid (PFDoA)			40.0	41.5		ng/L		104	60 - 135	5	30
Perfluorotridecanoic acid (PFTrDA)			40.0	43.6		ng/L		109	60 - 135	0	30
Perfluorotetradecanoic acid (PFTeA)			40.0	42.7		ng/L		107	60 - 135	4	30
Perfluorobutanesulfonic acid (PFBS)			35.4	33.4		ng/L		94	60 - 135	5	30
Perfluoropentanesulfonic acid (PFPeS)			37.5	40.1		ng/L		107	60 - 135	3	30
Perfluorohexanesulfonic acid (PFHxS)			36.4	35.5		ng/L		98	60 - 135	6	30
Perfluoroheptanesulfonic Acid (PFHpS)			38.1	40.6		ng/L		107	60 - 135	1	30
Perfluorooctanesulfonic acid (PFOS)			37.1	39.4		ng/L		106	60 - 135	2	30
Perfluorononanesulfonic acid (PFNS)			38.4	38.8		ng/L		101	60 - 135	5	30
Perfluorodecanesulfonic acid (PFDS)			38.6	41.2		ng/L		107	60 - 135	3	30
Perfluorododecanesulfonic acid (PFDoS)			38.7	41.0		ng/L		106	60 - 135	2	30

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCSD 320-514346/3-A
Matrix: Water
Analysis Batch: 515763

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 514346

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorooctanesulfonamide (FOSA)			40.0	38.7		ng/L		97	60 - 135	1	30
NEtFOSA			40.0	36.1		ng/L		90	60 - 135	1	30
NMeFOSA			40.0	42.7		ng/L		107	60 - 135	0	30
NMeFOSAA			40.0	42.1		ng/L		105	60 - 135	1	30
NEtFOSAA			40.0	44.7		ng/L		112	60 - 135	8	30
NMeFOSE			40.0	45.1		ng/L		113	60 - 135	8	30
NEtFOSE			40.0	43.7		ng/L		109	60 - 135	3	30
4:2 FTS			37.4	39.5		ng/L		106	60 - 135	2	30
6:2 FTS			37.9	35.8		ng/L		94	60 - 135	5	30
8:2 FTS			38.3	34.8		ng/L		91	60 - 135	5	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)			37.7	40.2		ng/L		107	60 - 135	3	30
HFPO-DA (GenX)			40.0	41.3		ng/L		103	60 - 135	4	30
9Cl-PF3ONS			37.3	37.2		ng/L		100	60 - 135	3	30
11Cl-PF3OUdS			37.7	40.4		ng/L		107	60 - 135	5	30

Isotope Dilution	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
13C4 PFBA	*91*		*25 - 150*
13C5 PFPeA	*97*		*25 - 150*
13C2 PFHxA	*96*		*25 - 150*
13C4 PFHpA	*101*		*25 - 150*
13C4 PFOA	*98*		*25 - 150*
13C5 PFNA	*95*		*25 - 150*
13C2 PFDA	*103*		*25 - 150*
13C2 PFUnA	*106*		*25 - 150*
13C2 PFDoA	*103*		*25 - 150*
13C2 PFTeDA	*102*		*25 - 150*
13C3 PFBS	*107*		*25 - 150*
18O2 PFHxS	*98*		*25 - 150*
13C4 PFOS	*94*		*25 - 150*
13C8 FOSA	*95*		*10 - 150*
d3-NMeFOSAA	*98*		*25 - 150*
d5-NEtFOSAA	*96*		*25 - 150*
d-N-MeFOSA-M	*81*		*10 - 150*
d-N-EtFOSA-M	*78*		*10 - 150*
d7-N-MeFOSE-M	*85*		*10 - 150*
d9-N-EtFOSE-M	*91*		*10 - 150*
M2-4:2 FTS	*101*		*25 - 150*
M2-6:2 FTS	*100*		*25 - 150*
M2-8:2 FTS	*98*		*25 - 150*
13C3 HFPO-DA	*103*		*25 - 150*
13C2 10:2 FTS	*102*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 500-203366-10 MS
Matrix: Water
Analysis Batch: 515763

Client Sample ID: MW-8
Prep Type: Total/NA
Prep Batch: 514346

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorobutanoic acid (PFBA)	<2.1		36.4	40.4		ng/L		111	70 - 130
Perfluoropentanoic acid (PFPeA)	<0.44		36.4	40.5		ng/L		111	70 - 130
Perfluorohexanoic acid (PFHxA)	0.69	J	36.4	40.0		ng/L		108	70 - 130
Perfluoroheptanoic acid (PFHpA)	0.27	J	36.4	38.1		ng/L		104	70 - 130
Perfluorooctanoic acid (PFOA)	4.1		36.4	47.2		ng/L		118	70 - 130
Perfluorononanoic acid (PFNA)	<0.24		36.4	41.0		ng/L		113	70 - 130
Perfluorodecanoic acid (PFDA)	0.33	J	36.4	34.4		ng/L		93	70 - 130
Perfluoroundecanoic acid (PFUnA)	<0.98		36.4	42.2		ng/L		116	70 - 130
Perfluorododecanoic acid (PFDoA)	<0.49		36.4	36.5		ng/L		100	70 - 130
Perfluorotridecanoic acid (PFTrDA)	<1.2		36.4	39.1		ng/L		107	70 - 130
Perfluorotetradecanoic acid (PFTeA)	<0.65		36.4	38.0		ng/L		104	70 - 130
Perfluorobutanesulfonic acid (PFBS)	1.0	J	32.2	30.8		ng/L		92	70 - 130
Perfluoropentanesulfonic acid (PFPeS)	<0.27		34.2	35.8		ng/L		105	70 - 130
Perfluorohexanesulfonic acid (PFHxS)	3.9		33.2	37.7		ng/L		102	70 - 130
Perfluoroheptanesulfonic Acid (PFHpS)	<0.17		34.7	38.2		ng/L		110	70 - 130
Perfluorooctanesulfonic acid (PFOS)	2.4		33.8	38.3		ng/L		106	70 - 130
Perfluorononanesulfonic acid (PFNS)	<0.33		35.0	37.3		ng/L		107	70 - 130
Perfluorodecanesulfonic acid (PFDS)	<0.29		35.1	35.8		ng/L		102	70 - 130
Perfluorododecanesulfonic acid (PFDoS)	<0.87		35.3	34.9		ng/L		99	70 - 130
Perfluorooctanesulfonamide (FOSA)	<0.87		36.4	34.9		ng/L		96	70 - 130
NEtFOSA	<0.78		36.4	35.4		ng/L		97	70 - 130
NMeFOSA	<0.38		36.4	40.0		ng/L		110	70 - 130
NMeFOSAA	<1.1		36.4	37.7		ng/L		103	70 - 130
NEtFOSAA	<1.2		36.4	39.0		ng/L		107	70 - 130
NMeFOSE	<1.2		36.4	43.0		ng/L		118	70 - 130
NEtFOSE	<0.76		36.4	38.3		ng/L		105	70 - 130
4:2 FTS	<0.21		34.0	35.8		ng/L		105	70 - 130
6:2 FTS	<2.2		34.5	33.2		ng/L		96	70 - 130
8:2 FTS	<0.41		34.9	31.4		ng/L		90	70 - 130
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.36		34.3	38.1		ng/L		111	70 - 130
HFPO-DA (GenX)	<1.3		36.4	36.8		ng/L		101	70 - 130
9Cl-PF3ONS	<0.21		34.0	33.5		ng/L		99	70 - 130
11Cl-PF3OUdS	<0.29		34.3	34.1		ng/L		99	70 - 130

Isotope Dilution	*MS %Recovery*	*MS Qualifier*	*Limits*
13C4 PFBA	*78*		*25 - 150*
13C5 PFPeA	*87*		*25 - 150*
13C2 PFHxA	*87*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 500-203366-10 MS
Matrix: Water
Analysis Batch: 515763

Client Sample ID: MW-8
Prep Type: Total/NA
Prep Batch: 514346

Isotope Dilution	*MS %Recovery*	*MS Qualifier*	*Limits*
13C4 PFHpA	*95*		*25 - 150*
13C4 PFOA	*90*		*25 - 150*
13C5 PFNA	*91*		*25 - 150*
13C2 PFDA	*94*		*25 - 150*
13C2 PFUnA	*80*		*25 - 150*
13C2 PFDoA	*88*		*25 - 150*
13C2 PFTeDA	*95*		*25 - 150*
13C3 PFBS	*102*		*25 - 150*
18O2 PFHxS	*87*		*25 - 150*
13C4 PFOS	*85*		*25 - 150*
13C8 FOSA	*92*		*10 - 150*
d3-NMeFOSAA	*85*		*25 - 150*
d5-NEtFOSAA	*85*		*25 - 150*
d-N-MeFOSA-M	*79*		*10 - 150*
d-N-EtFOSA-M	*77*		*10 - 150*
d7-N-MeFOSE-M	*70*		*10 - 150*
d9-N-EtFOSE-M	*82*		*10 - 150*
M2-4:2 FTS	*100*		*25 - 150*
M2-6:2 FTS	*110*		*25 - 150*
M2-8:2 FTS	*104*		*25 - 150*
13C3 HFPO-DA	*94*		*25 - 150*
13C2 10:2 FTS	*98*		*25 - 150*

Lab Sample ID: 500-203366-10 MSD
Matrix: Water
Analysis Batch: 515763

Client Sample ID: MW-8
Prep Type: Total/NA
Prep Batch: 514346

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	<2.1		35.3	39.7		ng/L		112	70 - 130	2	30
Perfluoropentanoic acid (PFPeA)	<0.44		35.3	38.9		ng/L		110	70 - 130	4	30
Perfluorohexanoic acid (PFHxA)	0.69	J	35.3	36.6		ng/L		101	70 - 130	9	30
Perfluoroheptanoic acid (PFHpA)	0.27	J	35.3	35.6		ng/L		100	70 - 130	7	30
Perfluorooctanoic acid (PFOA)	4.1		35.3	46.4		ng/L		120	70 - 130	2	30
Perfluorononanoic acid (PFNA)	<0.24		35.3	40.9		ng/L		116	70 - 130	0	30
Perfluorodecanoic acid (PFDA)	0.33	J	35.3	35.9		ng/L		101	70 - 130	4	30
Perfluoroundecanoic acid (PFUnA)	<0.98		35.3	40.4		ng/L		114	70 - 130	4	30
Perfluorododecanoic acid (PFDoA)	<0.49		35.3	35.7		ng/L		101	70 - 130	2	30
Perfluorotridecanoic acid (PFTrDA)	<1.2		35.3	36.4		ng/L		103	70 - 130	7	30
Perfluorotetradecanoic acid (PFTeA)	<0.65		35.3	39.9		ng/L		113	70 - 130	5	30
Perfluorobutanesulfonic acid (PFBS)	1.0	J	31.2	32.4		ng/L		100	70 - 130	5	30
Perfluoropentanesulfonic acid (PFPeS)	<0.27		33.1	34.4		ng/L		104	70 - 130	4	30
Perfluorohexanesulfonic acid (PFHxS)	3.9		32.2	35.9		ng/L		100	70 - 130	5	30
Perfluoroheptanesulfonic Acid (PFHpS)	<0.17		33.6	36.3		ng/L		108	70 - 130	5	30

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 500-203366-10 MSD
Matrix: Water
Analysis Batch: 515763

Client Sample ID: MW-8
Prep Type: Total/NA
Prep Batch: 514346

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorooctanesulfonic acid (PFOS)	2.4		32.8	38.7		ng/L		111	70 - 130	1	30
Perfluorononanesulfonic acid (PFNS)	<0.33		33.9	35.9		ng/L		106	70 - 130	4	30
Perfluorodecanesulfonic acid (PFDS)	<0.29		34.1	36.8		ng/L		108	70 - 130	3	30
Perfluorododecanesulfonic acid (PFDoS)	<0.87		34.2	36.9		ng/L		108	70 - 130	6	30
Perfluorooctanesulfonamide (FOSA)	<0.87		35.3	34.0		ng/L		96	70 - 130	3	30
NEtFOSA	<0.78		35.3	33.4		ng/L		95	70 - 130	6	30
NMeFOSA	<0.38		35.3	41.4		ng/L		117	70 - 130	3	30
NMeFOSAA	<1.1		35.3	37.3		ng/L		106	70 - 130	1	30
NEtFOSAA	<1.2		35.3	36.2		ng/L		102	70 - 130	8	30
NMeFOSE	<1.2		35.3	38.0		ng/L		108	70 - 130	12	30
NEtFOSE	<0.76		35.3	34.7		ng/L		98	70 - 130	10	30
4:2 FTS	<0.21		33.0	38.3		ng/L		116	70 - 130	7	30
6:2 FTS	<2.2		33.5	28.5		ng/L		85	70 - 130	15	30
8:2 FTS	<0.41		33.9	30.0		ng/L		89	70 - 130	4	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.36		33.3	35.9		ng/L		108	70 - 130	6	30
HFPO-DA (GenX)	<1.3		35.3	36.2		ng/L		102	70 - 130	2	30
9Cl-PF3ONS	<0.21		32.9	32.8		ng/L		100	70 - 130	2	30
11Cl-PF3OUdS	<0.29		33.3	33.3		ng/L		100	70 - 130	2	30

Isotope Dilution	*MSD %Recovery*	*MSD Qualifier*	*Limits*
13C4 PFBA	*78*		*25 - 150*
13C5 PFPeA	*90*		*25 - 150*
13C2 PFHxA	*89*		*25 - 150*
13C4 PFHpA	*98*		*25 - 150*
13C4 PFOA	*89*		*25 - 150*
13C5 PFNA	*90*		*25 - 150*
13C2 PFDA	*103*		*25 - 150*
13C2 PFUnA	*94*		*25 - 150*
13C2 PFDoA	*95*		*25 - 150*
13C2 PFTeDA	*87*		*25 - 150*
13C3 PFBS	*102*		*25 - 150*
18O2 PFHxS	*94*		*25 - 150*
13C4 PFOS	*87*		*25 - 150*
13C8 FOSA	*94*		*10 - 150*
d3-NMeFOSAA	*89*		*25 - 150*
d5-NEtFOSAA	*90*		*25 - 150*
d-N-MeFOSA-M	*82*		*10 - 150*
d-N-EtFOSA-M	*75*		*10 - 150*
d7-N-MeFOSE-M	*86*		*10 - 150*
d9-N-EtFOSE-M	*88*		*10 - 150*
M2-4:2 FTS	*93*		*25 - 150*
M2-6:2 FTS	*112*		*25 - 150*
M2-8:2 FTS	*105*		*25 - 150*
13C3 HFPO-DA	*95*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 500-203366-10 MSD
Matrix: Water
Analysis Batch: 515763

Client Sample ID: MW-8
Prep Type: Total/NA
Prep Batch: 514346

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
13C2 10:2 FTS	95		25 - 150

Lab Sample ID: MB 320-515852/1-A
Matrix: Water
Analysis Batch: 516138

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 515852

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.4		5.0	2.4	ng/L		08/13/21 05:11	08/13/21 13:23	1
Perfluoropentanoic acid (PFPeA)	<0.49		2.0	0.49	ng/L		08/13/21 05:11	08/13/21 13:23	1
Perfluorohexanoic acid (PFHxA)	<0.58		2.0	0.58	ng/L		08/13/21 05:11	08/13/21 13:23	1
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		08/13/21 05:11	08/13/21 13:23	1
Perfluorooctanoic acid (PFOA)	<0.85		2.0	0.85	ng/L		08/13/21 05:11	08/13/21 13:23	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		08/13/21 05:11	08/13/21 13:23	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		08/13/21 05:11	08/13/21 13:23	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		08/13/21 05:11	08/13/21 13:23	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		08/13/21 05:11	08/13/21 13:23	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		08/13/21 05:11	08/13/21 13:23	1
Perfluorotetradecanoic acid (PFTeA)	<0.73		2.0	0.73	ng/L		08/13/21 05:11	08/13/21 13:23	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		08/13/21 05:11	08/13/21 13:23	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		08/13/21 05:11	08/13/21 13:23	1
Perfluorohexanesulfonic acid (PFHxS)	<0.57		2.0	0.57	ng/L		08/13/21 05:11	08/13/21 13:23	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.19		2.0	0.19	ng/L		08/13/21 05:11	08/13/21 13:23	1
Perfluorooctanesulfonic acid (PFOS)	<0.54		2.0	0.54	ng/L		08/13/21 05:11	08/13/21 13:23	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		08/13/21 05:11	08/13/21 13:23	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		08/13/21 05:11	08/13/21 13:23	1
Perfluorododecanesulfonic acid (PFDoS)	<0.97		2.0	0.97	ng/L		08/13/21 05:11	08/13/21 13:23	1
Perfluorooctanesulfonamide (FOSA)	<0.98		2.0	0.98	ng/L		08/13/21 05:11	08/13/21 13:23	1
NEtFOSA	<0.87		2.0	0.87	ng/L		08/13/21 05:11	08/13/21 13:23	1
NMeFOSA	<0.43		2.0	0.43	ng/L		08/13/21 05:11	08/13/21 13:23	1
NMeFOSAA	<1.2		5.0	1.2	ng/L		08/13/21 05:11	08/13/21 13:23	1
NEtFOSAA	<1.3		5.0	1.3	ng/L		08/13/21 05:11	08/13/21 13:23	1
NMeFOSE	<1.4		4.0	1.4	ng/L		08/13/21 05:11	08/13/21 13:23	1
NEtFOSE	<0.85		2.0	0.85	ng/L		08/13/21 05:11	08/13/21 13:23	1
4:2 FTS	<0.24		2.0	0.24	ng/L		08/13/21 05:11	08/13/21 13:23	1
6:2 FTS	<2.5		5.0	2.5	ng/L		08/13/21 05:11	08/13/21 13:23	1
8:2 FTS	<0.46		2.0	0.46	ng/L		08/13/21 05:11	08/13/21 13:23	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		08/13/21 05:11	08/13/21 13:23	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		08/13/21 05:11	08/13/21 13:23	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		08/13/21 05:11	08/13/21 13:23	1
11Cl-PF3OUdS	<0.32		2.0	0.32	ng/L		08/13/21 05:11	08/13/21 13:23	1

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	93		25 - 150	08/13/21 05:11	08/13/21 13:23	1
13C5 PFPeA	85		25 - 150	08/13/21 05:11	08/13/21 13:23	1
13C2 PFHxA	85		25 - 150	08/13/21 05:11	08/13/21 13:23	1
13C4 PFHpA	91		25 - 150	08/13/21 05:11	08/13/21 13:23	1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: MB 320-515852/1-A
Matrix: Water
Analysis Batch: 516138

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 515852

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFOA	94		25 - 150	08/13/21 05:11	08/13/21 13:23	1
13C5 PFNA	89		25 - 150	08/13/21 05:11	08/13/21 13:23	1
13C2 PFDA	85		25 - 150	08/13/21 05:11	08/13/21 13:23	1
13C2 PFUnA	88		25 - 150	08/13/21 05:11	08/13/21 13:23	1
13C2 PFDoA	95		25 - 150	08/13/21 05:11	08/13/21 13:23	1
13C2 PFTeDA	112		25 - 150	08/13/21 05:11	08/13/21 13:23	1
13C3 PFBS	93		25 - 150	08/13/21 05:11	08/13/21 13:23	1
18O2 PFHxS	93		25 - 150	08/13/21 05:11	08/13/21 13:23	1
13C4 PFOS	86		25 - 150	08/13/21 05:11	08/13/21 13:23	1
13C8 FOSA	86		10 - 150	08/13/21 05:11	08/13/21 13:23	1
d3-NMeFOSAA	87		25 - 150	08/13/21 05:11	08/13/21 13:23	1
d5-NEtFOSAA	89		25 - 150	08/13/21 05:11	08/13/21 13:23	1
d-N-MeFOSA-M	74		10 - 150	08/13/21 05:11	08/13/21 13:23	1
d-N-EtFOSA-M	71		10 - 150	08/13/21 05:11	08/13/21 13:23	1
d7-N-MeFOSE-M	65		10 - 150	08/13/21 05:11	08/13/21 13:23	1
d9-N-EtFOSE-M	82		10 - 150	08/13/21 05:11	08/13/21 13:23	1
M2-4:2 FTS	91		25 - 150	08/13/21 05:11	08/13/21 13:23	1
M2-6:2 FTS	94		25 - 150	08/13/21 05:11	08/13/21 13:23	1
M2-8:2 FTS	87		25 - 150	08/13/21 05:11	08/13/21 13:23	1
13C3 HFPO-DA	96		25 - 150	08/13/21 05:11	08/13/21 13:23	1
13C2 10:2 FTS	89		25 - 150	08/13/21 05:11	08/13/21 13:23	1

Lab Sample ID: LCS 320-515852/2-A
Matrix: Water
Analysis Batch: 516138

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 515852

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorobutanoic acid (PFBA)	40.0	42.4		ng/L		106	60 - 135
Perfluoropentanoic acid (PFPeA)	40.0	41.7		ng/L		104	60 - 135
Perfluorohexanoic acid (PFHxA)	40.0	44.1		ng/L		110	60 - 135
Perfluoroheptanoic acid (PFHpA)	40.0	42.9		ng/L		107	60 - 135
Perfluorooctanoic acid (PFOA)	40.0	40.6		ng/L		102	60 - 135
Perfluorononanoic acid (PFNA)	40.0	40.8		ng/L		102	60 - 135
Perfluorodecanoic acid (PFDA)	40.0	41.5		ng/L		104	60 - 135
Perfluoroundecanoic acid (PFUnA)	40.0	43.3		ng/L		108	60 - 135
Perfluorododecanoic acid (PFDoA)	40.0	38.2		ng/L		95	60 - 135
Perfluorotridecanoic acid (PFTrDA)	40.0	43.3		ng/L		108	60 - 135
Perfluorotetradecanoic acid (PFTeA)	40.0	41.5		ng/L		104	60 - 135
Perfluorobutanesulfonic acid (PFBS)	35.4	36.8		ng/L		104	60 - 135
Perfluoropentanesulfonic acid (PFPeS)	37.5	46.9		ng/L		125	60 - 135
Perfluorohexanesulfonic acid (PFHxS)	36.4	37.4		ng/L		103	60 - 135
Perfluoroheptanesulfonic Acid (PFHpS)	38.1	43.0		ng/L		113	60 - 135

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-515852/2-A
Matrix: Water
Analysis Batch: 516138

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 515852

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorooctanesulfonic acid (PFOS)	37.1	36.2		ng/L		98	60 - 135
Perfluorononanesulfonic acid (PFNS)	38.4	36.9		ng/L		96	60 - 135
Perfluorodecanesulfonic acid (PFDS)	38.6	39.6		ng/L		103	60 - 135
Perfluorododecanesulfonic acid (PFDoS)	38.7	48.2		ng/L		124	60 - 135
Perfluorooctanesulfonamide (FOSA)	40.0	38.5		ng/L		96	60 - 135
NEtFOSA	40.0	43.4		ng/L		109	60 - 135
NMeFOSA	40.0	44.8		ng/L		112	60 - 135
NMeFOSAA	40.0	38.6		ng/L		96	60 - 135
NEtFOSAA	40.0	44.0		ng/L		110	60 - 135
NMeFOSE	40.0	42.3		ng/L		106	60 - 135
NEtFOSE	40.0	39.5		ng/L		99	60 - 135
4:2 FTS	37.4	40.8		ng/L		109	60 - 135
6:2 FTS	37.9	37.4		ng/L		99	60 - 135
8:2 FTS	38.3	32.2		ng/L		84	60 - 135
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.7	44.4		ng/L		118	60 - 135
HFPO-DA (GenX)	40.0	42.6		ng/L		106	60 - 135
9Cl-PF3ONS	37.3	36.7		ng/L		98	60 - 135
11Cl-PF3OUdS	37.7	42.9		ng/L		114	60 - 135

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*93*		*25 - 150*
13C5 PFPeA	*88*		*25 - 150*
13C2 PFHxA	*79*		*25 - 150*
13C4 PFHpA	*87*		*25 - 150*
13C4 PFOA	*96*		*25 - 150*
13C5 PFNA	*89*		*25 - 150*
13C2 PFDA	*85*		*25 - 150*
13C2 PFUnA	*83*		*25 - 150*
13C2 PFDoA	*92*		*25 - 150*
13C2 PFTeDA	*109*		*25 - 150*
13C3 PFBS	*89*		*25 - 150*
18O2 PFHxS	*88*		*25 - 150*
13C4 PFOS	*86*		*25 - 150*
13C8 FOSA	*86*		*10 - 150*
d3-NMeFOSAA	*84*		*25 - 150*
d5-NEtFOSAA	*87*		*25 - 150*
d-N-MeFOSA-M	*72*		*10 - 150*
d-N-EtFOSA-M	*71*		*10 - 150*
d7-N-MeFOSE-M	*76*		*10 - 150*
d9-N-EtFOSE-M	*80*		*10 - 150*
M2-4:2 FTS	*80*		*25 - 150*
M2-6:2 FTS	*87*		*25 - 150*
M2-8:2 FTS	*79*		*25 - 150*
13C3 HFPO-DA	*89*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-515852/2-A
Matrix: Water
Analysis Batch: 516138

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 515852

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
13C2 10:2 FTS	79		25 - 150

Lab Sample ID: LCSD 320-515852/3-A
Matrix: Water
Analysis Batch: 516138

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 515852

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)			40.0	41.2		ng/L		103	60 - 135	3	30
Perfluoropentanoic acid (PFPeA)			40.0	41.6		ng/L		104	60 - 135	0	30
Perfluorohexanoic acid (PFHxA)			40.0	41.9		ng/L		105	60 - 135	5	30
Perfluoroheptanoic acid (PFHpA)			40.0	44.3		ng/L		111	60 - 135	3	30
Perfluorooctanoic acid (PFOA)			40.0	40.2		ng/L		101	60 - 135	1	30
Perfluorononanoic acid (PFNA)			40.0	41.1		ng/L		103	60 - 135	1	30
Perfluorodecanoic acid (PFDA)			40.0	42.0		ng/L		105	60 - 135	1	30
Perfluoroundecanoic acid (PFUnA)			40.0	44.4		ng/L		111	60 - 135	3	30
Perfluorododecanoic acid (PFDoA)			40.0	40.0		ng/L		100	60 - 135	5	30
Perfluorotridecanoic acid (PFTrDA)			40.0	43.9		ng/L		110	60 - 135	1	30
Perfluorotetradecanoic acid (PFTeA)			40.0	43.3		ng/L		108	60 - 135	4	30
Perfluorobutanesulfonic acid (PFBS)			35.4	34.8		ng/L		99	60 - 135	6	30
Perfluoropentanesulfonic acid (PFPeS)			37.5	40.7		ng/L		109	60 - 135	14	30
Perfluorohexanesulfonic acid (PFHxS)			36.4	36.4		ng/L		100	60 - 135	3	30
Perfluoroheptanesulfonic Acid (PFHpS)			38.1	41.4		ng/L		109	60 - 135	4	30
Perfluorooctanesulfonic acid (PFOS)			37.1	36.5		ng/L		98	60 - 135	1	30
Perfluorononanesulfonic acid (PFNS)			38.4	37.4		ng/L		97	60 - 135	1	30
Perfluorodecanesulfonic acid (PFDS)			38.6	37.9		ng/L		98	60 - 135	4	30
Perfluorododecanesulfonic acid (PFDoS)			38.7	45.2		ng/L		117	60 - 135	6	30
Perfluorooctanesulfonamide (FOSA)			40.0	39.1		ng/L		98	60 - 135	2	30
NEtFOSA			40.0	42.6		ng/L		106	60 - 135	2	30
NMeFOSA			40.0	39.8		ng/L		99	60 - 135	12	30
NMeFOSAA			40.0	43.9		ng/L		110	60 - 135	13	30
NEtFOSAA			40.0	41.9		ng/L		105	60 - 135	5	30
NMeFOSE			40.0	43.8		ng/L		109	60 - 135	3	30
NEtFOSE			40.0	36.0		ng/L		90	60 - 135	9	30
4:2 FTS			37.4	37.1		ng/L		99	60 - 135	10	30
6:2 FTS			37.9	36.9		ng/L		97	60 - 135	1	30
8:2 FTS			38.3	36.3		ng/L		95	60 - 135	12	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)			37.7	39.0		ng/L		104	60 - 135	13	30
HFPO-DA (GenX)			40.0	48.7		ng/L		122	60 - 135	13	30

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCSD 320-515852/3-A
Matrix: Water
Analysis Batch: 516138

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 515852

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
9Cl-PF3ONS			37.3	35.8		ng/L		96	60 - 135	2	30
11Cl-PF3OUdS			37.7	40.8		ng/L		108	60 - 135	5	30

Isotope Dilution	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
13C4 PFBA	*96*		*25 - 150*
13C5 PFPeA	*89*		*25 - 150*
13C2 PFHxA	*86*		*25 - 150*
13C4 PFHpA	*88*		*25 - 150*
13C4 PFOA	*102*		*25 - 150*
13C5 PFNA	*91*		*25 - 150*
13C2 PFDA	*86*		*25 - 150*
13C2 PFUnA	*87*		*25 - 150*
13C2 PFDoA	*95*		*25 - 150*
13C2 PFTeDA	*119*		*25 - 150*
13C3 PFBS	*101*		*25 - 150*
18O2 PFHxS	*97*		*25 - 150*
13C4 PFOS	*96*		*25 - 150*
13C8 FOSA	*89*		*10 - 150*
d3-NMeFOSAA	*85*		*25 - 150*
d5-NEtFOSAA	*90*		*25 - 150*
d-N-MeFOSA-M	*80*		*10 - 150*
d-N-EtFOSA-M	*80*		*10 - 150*
d7-N-MeFOSE-M	*73*		*10 - 150*
d9-N-EtFOSE-M	*84*		*10 - 150*
M2-4:2 FTS	*88*		*25 - 150*
M2-6:2 FTS	*95*		*25 - 150*
M2-8:2 FTS	*93*		*25 - 150*
13C3 HFPO-DA	*83*		*25 - 150*
13C2 10:2 FTS	*89*		*25 - 150*

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MB 500-613289/1-A
Matrix: Water
Analysis Batch: 613533

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 613289

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.387	J	1.0	0.23	ug/L		08/09/21 08:40	08/09/21 21:10	1
Barium	<0.73		2.5	0.73	ug/L		08/09/21 08:40	08/09/21 21:10	1
Cadmium	<0.17		0.50	0.17	ug/L		08/09/21 08:40	08/09/21 21:10	1
Chromium	<1.1		5.0	1.1	ug/L		08/09/21 08:40	08/09/21 21:10	1
Lead	<0.19		0.50	0.19	ug/L		08/09/21 08:40	08/09/21 21:10	1
Silver	<0.12		0.50	0.12	ug/L		08/09/21 08:40	08/09/21 21:10	1

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 500-613289/1-A
Matrix: Water
Analysis Batch: 613754

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 613289

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	1.18	J ^+	2.5	0.98	ug/L		08/09/21 08:40	08/10/21 19:35	1

Lab Sample ID: LCS 500-613289/2-A
Matrix: Water
Analysis Batch: 613533

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 613289

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	100	100		ug/L		100	80 - 120
Barium	500	496		ug/L		99	80 - 120
Cadmium	50.0	46.8		ug/L		94	80 - 120
Chromium	200	182		ug/L		91	80 - 120
Lead	100	98.0		ug/L		98	80 - 120
Silver	50.0	47.9		ug/L		96	80 - 120

Lab Sample ID: LCS 500-613289/2-A
Matrix: Water
Analysis Batch: 613754

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 613289

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Selenium	100	107	^+	ug/L		107	80 - 120

Lab Sample ID: 500-203366-10 DU
Matrix: Water
Analysis Batch: 613533

Client Sample ID: MW-8
Prep Type: Total Recoverable
Prep Batch: 613289

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Arsenic	0.82	J B	1.24	F5	ug/L		40	20
Barium	100		106		ug/L		4	20
Cadmium	<0.17		<0.17		ug/L		NC	20
Chromium	<1.1		<1.1		ug/L		NC	20
Lead	<0.19		<0.19		ug/L		NC	20
Silver	<0.12		<0.12		ug/L		NC	20

Lab Sample ID: 500-203366-10 DU
Matrix: Water
Analysis Batch: 613754

Client Sample ID: MW-8
Prep Type: Total Recoverable
Prep Batch: 613289

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Barium	110		108		ug/L		0.8	20
Cadmium	<0.17		<0.17		ug/L		NC	20
Chromium	<1.1		<1.1		ug/L		NC	20
Lead	<0.19		<0.19		ug/L		NC	20
Selenium	1.9	J B ^+	1.80	J ^+	ug/L		6	20

Lab Sample ID: MB 500-613717/1-A
Matrix: Water
Analysis Batch: 613958

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 613717

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.23		1.0	0.23	ug/L		08/11/21 08:24	08/11/21 22:24	1

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 500-613717/1-A
Matrix: Water
Analysis Batch: 613958

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 613717

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	<0.73		2.5	0.73	ug/L		08/11/21 08:24	08/11/21 22:24	1
Cadmium	<0.17		0.50	0.17	ug/L		08/11/21 08:24	08/11/21 22:24	1
Chromium	<1.1		5.0	1.1	ug/L		08/11/21 08:24	08/11/21 22:24	1
Lead	<0.19		0.50	0.19	ug/L		08/11/21 08:24	08/11/21 22:24	1
Selenium	<0.98		2.5	0.98	ug/L		08/11/21 08:24	08/11/21 22:24	1
Silver	<0.12		0.50	0.12	ug/L		08/11/21 08:24	08/11/21 22:24	1

Lab Sample ID: LCS 500-613717/2-A
Matrix: Water
Analysis Batch: 613958

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 613717

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	100	101		ug/L		101	80 - 120
Barium	500	519		ug/L		104	80 - 120
Cadmium	50.0	51.0		ug/L		102	80 - 120
Chromium	200	210		ug/L		105	80 - 120
Lead	100	108		ug/L		108	80 - 120
Selenium	100	100		ug/L		100	80 - 120
Silver	50.0	54.2		ug/L		108	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 500-614166/12-A
Matrix: Water
Analysis Batch: 614435

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 614166

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.098		0.20	0.098	ug/L		08/13/21 10:05	08/16/21 08:05	1

Lab Sample ID: LCS 500-614166/13-A
Matrix: Water
Analysis Batch: 614435

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 614166

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	2.00	2.22		ug/L		111	80 - 120

Lab Sample ID: 500-203366-10 DU
Matrix: Water
Analysis Batch: 614435

Client Sample ID: MW-8
Prep Type: Total/NA
Prep Batch: 614166

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	<0.098		<0.098		ug/L		NC	20

Lab Sample ID: MB 500-614168/12-A
Matrix: Water
Analysis Batch: 614435

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 614168

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.098		0.20	0.098	ug/L		08/13/21 10:05	08/16/21 09:12	1

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 500-614168/13-A
Matrix: Water
Analysis Batch: 614435

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 614168

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury			2.00	2.15		ug/L		107	80 - 120		

Lab Sample ID: 500-203366-19 MS
Matrix: Water
Analysis Batch: 614435

Client Sample ID: OMPZ-3 DUP
Prep Type: Total/NA
Prep Batch: 614168

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury	<0.098		1.00	0.950		ug/L		95	75 - 125		

Lab Sample ID: 500-203366-19 MSD
Matrix: Water
Analysis Batch: 614435

Client Sample ID: OMPZ-3 DUP
Prep Type: Total/NA
Prep Batch: 614168

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	<0.098		1.00	0.910		ug/L		91	75 - 125	4	20

Lab Sample ID: 500-203366-19 DU
Matrix: Water
Analysis Batch: 614435

Client Sample ID: OMPZ-3 DUP
Prep Type: Total/NA
Prep Batch: 614168

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	<0.098		<0.098		ug/L		NC	20

Lab Chronicle

Client: Ramboll US Corporation
Project/Site: Former Mirro 20 - Chilton 1690019558

Job ID: 500-203366-1

Client Sample ID: B-5

Lab Sample ID: 500-203366-1

Date Collected: 08/03/21 07:45

Matrix: Water

Date Received: 08/05/21 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	614106	08/13/21 13:48	STW	TAL CHI
Total/NA	Prep	3535			514346	08/09/21 05:29	EFG	TAL SAC
Total/NA	Analysis	537 (modified)		1	515763	08/13/21 18:06	RS1	TAL SAC
Dissolved	Prep	3005A			613289	08/09/21 08:40	BDE	TAL CHI
Dissolved	Analysis	6020A		1	613533	08/09/21 21:17	FXG	TAL CHI
Dissolved	Prep	3005A			613289	08/09/21 08:40	BDE	TAL CHI
Dissolved	Analysis	6020A		1	613754	08/10/21 19:40	FXG	TAL CHI
Dissolved	Prep	7470A			614166	08/13/21 10:05	MJG	TAL CHI
Dissolved	Analysis	7470A		1	614435	08/16/21 08:09	MJG	TAL CHI

Client Sample ID: B-6

Lab Sample ID: 500-203366-2

Date Collected: 08/03/21 08:45

Matrix: Water

Date Received: 08/05/21 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	614106	08/13/21 14:13	STW	TAL CHI
Total/NA	Prep	3535			514346	08/09/21 05:29	EFG	TAL SAC
Total/NA	Analysis	537 (modified)		1	515763	08/13/21 18:15	RS1	TAL SAC
Dissolved	Prep	3005A			613289	08/09/21 08:40	BDE	TAL CHI
Dissolved	Analysis	6020A		1	613533	08/09/21 21:21	FXG	TAL CHI
Dissolved	Prep	3005A			613289	08/09/21 08:40	BDE	TAL CHI
Dissolved	Analysis	6020A		1	613754	08/10/21 19:43	FXG	TAL CHI
Dissolved	Prep	7470A			614166	08/13/21 10:05	MJG	TAL CHI
Dissolved	Analysis	7470A		1	614435	08/16/21 08:11	MJG	TAL CHI

Client Sample ID: B-11

Lab Sample ID: 500-203366-3

Date Collected: 08/03/21 09:35

Matrix: Water

Date Received: 08/05/21 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	614106	08/13/21 14:38	STW	TAL CHI
Total/NA	Prep	3535			514346	08/09/21 05:29	EFG	TAL SAC
Total/NA	Analysis	537 (modified)		1	515763	08/13/21 18:24	RS1	TAL SAC
Dissolved	Prep	3005A			613289	08/09/21 08:40	BDE	TAL CHI
Dissolved	Analysis	6020A		1	613533	08/09/21 21:24	FXG	TAL CHI
Dissolved	Prep	3005A			613289	08/09/21 08:40	BDE	TAL CHI
Dissolved	Analysis	6020A		1	613754	08/10/21 19:46	FXG	TAL CHI
Dissolved	Prep	7470A			614166	08/13/21 10:05	MJG	TAL CHI
Dissolved	Analysis	7470A		1	614435	08/16/21 08:13	MJG	TAL CHI

Lab Chronicle

Client: Ramboll US Corporation
Project/Site: Former Mirro 20 - Chilton 1690019558

Job ID: 500-203366-1

Client Sample ID: PZ-10

Lab Sample ID: 500-203366-4

Date Collected: 08/03/21 11:50
Date Received: 08/05/21 09:45

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	614106	08/13/21 15:03	STW	TAL CHI
Total/NA	Prep	3535			514062	08/06/21 20:10	PV	TAL SAC
Total/NA	Analysis	537 (modified)		1	514536	08/09/21 16:16	D1R	TAL SAC
Dissolved	Prep	3005A			613289	08/09/21 08:40	BDE	TAL CHI
Dissolved	Analysis	6020A		1	613533	08/09/21 21:27	FXG	TAL CHI
Dissolved	Prep	3005A			613289	08/09/21 08:40	BDE	TAL CHI
Dissolved	Analysis	6020A		1	613754	08/10/21 19:49	FXG	TAL CHI
Dissolved	Prep	7470A			614166	08/13/21 10:05	MJG	TAL CHI
Dissolved	Analysis	7470A		1	614435	08/16/21 08:15	MJG	TAL CHI

Client Sample ID: MW-10

Lab Sample ID: 500-203366-5

Date Collected: 08/03/21 12:35
Date Received: 08/05/21 09:45

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	614106	08/13/21 15:27	STW	TAL CHI
Total/NA	Prep	3535			514062	08/06/21 20:10	PV	TAL SAC
Total/NA	Analysis	537 (modified)		1	514536	08/09/21 16:25	D1R	TAL SAC
Dissolved	Prep	3005A			613289	08/09/21 08:40	BDE	TAL CHI
Dissolved	Analysis	6020A		1	613533	08/09/21 21:31	FXG	TAL CHI
Dissolved	Prep	3005A			613289	08/09/21 08:40	BDE	TAL CHI
Dissolved	Analysis	6020A		1	613754	08/10/21 19:51	FXG	TAL CHI
Dissolved	Prep	7470A			614166	08/13/21 10:05	MJG	TAL CHI
Dissolved	Analysis	7470A		1	614435	08/16/21 08:17	MJG	TAL CHI

Client Sample ID: PZ-5

Lab Sample ID: 500-203366-6

Date Collected: 08/03/21 13:30
Date Received: 08/05/21 09:45

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	614106	08/13/21 15:52	STW	TAL CHI
Total/NA	Prep	3535			514346	08/09/21 05:29	EFG	TAL SAC
Total/NA	Analysis	537 (modified)		1	515763	08/13/21 18:52	RS1	TAL SAC
Dissolved	Prep	3005A			613289	08/09/21 08:40	BDE	TAL CHI
Dissolved	Analysis	6020A		1	613533	08/09/21 21:34	FXG	TAL CHI
Dissolved	Prep	3005A			613289	08/09/21 08:40	BDE	TAL CHI
Dissolved	Analysis	6020A		1	613754	08/10/21 19:54	FXG	TAL CHI
Dissolved	Prep	7470A			614166	08/13/21 10:05	MJG	TAL CHI
Dissolved	Analysis	7470A		1	614435	08/16/21 08:20	MJG	TAL CHI

Lab Chronicle

Client: Ramboll US Corporation
Job ID: 500-203366-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: PZ-5 DUP
Lab Sample ID: 500-203366-7
Date Collected: 08/03/21 13:30
Matrix: Water
Date Received: 08/05/21 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	614106	08/13/21 16:17	STW	TAL CHI
Total/NA	Prep	3535			514346	08/09/21 05:29	EFG	TAL SAC
Total/NA	Analysis	537 (modified)		1	515763	08/13/21 19:01	RS1	TAL SAC
Dissolved	Prep	3005A			613289	08/09/21 08:40	BDE	TAL CHI
Dissolved	Analysis	6020A		1	613533	08/09/21 21:38	FXG	TAL CHI
Dissolved	Prep	3005A			613289	08/09/21 08:40	BDE	TAL CHI
Dissolved	Analysis	6020A		1	613754	08/10/21 19:57	FXG	TAL CHI
Dissolved	Prep	7470A			614166	08/13/21 10:05	MJG	TAL CHI
Dissolved	Analysis	7470A		1	614435	08/16/21 08:22	MJG	TAL CHI

Client Sample ID: MW-5
Lab Sample ID: 500-203366-8
Date Collected: 08/03/21 14:20
Matrix: Water
Date Received: 08/05/21 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	614106	08/13/21 16:41	STW	TAL CHI
Total/NA	Prep	3535			514062	08/06/21 20:10	PV	TAL SAC
Total/NA	Analysis	537 (modified)		1	514536	08/09/21 16:34	D1R	TAL SAC
Dissolved	Prep	3005A			613289	08/09/21 08:40	BDE	TAL CHI
Dissolved	Analysis	6020A		1	613533	08/09/21 21:41	FXG	TAL CHI
Dissolved	Prep	3005A			613289	08/09/21 08:40	BDE	TAL CHI
Dissolved	Analysis	6020A		1	613754	08/10/21 20:00	FXG	TAL CHI
Dissolved	Prep	7470A			614166	08/13/21 10:05	MJG	TAL CHI
Dissolved	Analysis	7470A		1	614435	08/16/21 08:49	MJG	TAL CHI

Client Sample ID: OMPZ-4
Lab Sample ID: 500-203366-9
Date Collected: 08/03/21 15:20
Matrix: Water
Date Received: 08/05/21 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	614110	08/13/21 12:18	STW	TAL CHI
Total/NA	Prep	3535			514062	08/06/21 20:10	PV	TAL SAC
Total/NA	Analysis	537 (modified)		1	514536	08/09/21 16:44	D1R	TAL SAC
Dissolved	Prep	3005A			613289	08/09/21 08:40	BDE	TAL CHI
Dissolved	Analysis	6020A		1	613533	08/09/21 21:51	FXG	TAL CHI
Dissolved	Prep	3005A			613289	08/09/21 08:40	BDE	TAL CHI
Dissolved	Analysis	6020A		1	613754	08/10/21 20:08	FXG	TAL CHI
Dissolved	Prep	7470A			614166	08/13/21 10:05	MJG	TAL CHI
Dissolved	Analysis	7470A		1	614435	08/16/21 08:51	MJG	TAL CHI

Lab Chronicle

Client: Ramboll US Corporation
Job ID: 500-203366-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: MW-8
Lab Sample ID: 500-203366-10
Date Collected: 08/03/21 16:20
Matrix: Water
Date Received: 08/05/21 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	614106	08/13/21 17:06	STW	TAL CHI
Total/NA	Prep	3535			514346	08/09/21 05:29	EFG	TAL SAC
Total/NA	Analysis	537 (modified)		1	515763	08/13/21 19:55	RS1	TAL SAC
Dissolved	Prep	3005A			613289	08/09/21 08:40	BDE	TAL CHI
Dissolved	Analysis	6020A		1	613533	08/09/21 21:55	FXG	TAL CHI
Dissolved	Prep	3005A			613289	08/09/21 08:40	BDE	TAL CHI
Dissolved	Analysis	6020A		1	613754	08/10/21 20:11	FXG	TAL CHI
Dissolved	Prep	7470A			614166	08/13/21 10:05	MJG	TAL CHI
Dissolved	Analysis	7470A		1	614435	08/16/21 09:01	MJG	TAL CHI

Client Sample ID: EB-01
Lab Sample ID: 500-203366-11
Date Collected: 08/03/21 17:15
Matrix: Water
Date Received: 08/05/21 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	614110	08/13/21 12:43	STW	TAL CHI
Total/NA	Prep	3510C			613143	08/06/21 19:21	JP1	TAL CHI
Total/NA	Analysis	8082A		1	613365	08/09/21 18:16	SS	TAL CHI
Total/NA	Prep	3535			514346	08/09/21 05:29	EFG	TAL SAC
Total/NA	Analysis	537 (modified)		1	515763	08/13/21 20:23	RS1	TAL SAC
Dissolved	Prep	3005A			613289	08/09/21 08:40	BDE	TAL CHI
Dissolved	Analysis	6020A		1	613533	08/09/21 22:12	FXG	TAL CHI
Dissolved	Prep	3005A			613289	08/09/21 08:40	BDE	TAL CHI
Dissolved	Analysis	6020A		1	613754	08/10/21 20:25	FXG	TAL CHI
Dissolved	Prep	7470A			614166	08/13/21 10:05	MJG	TAL CHI
Dissolved	Analysis	7470A		1	614435	08/16/21 09:10	MJG	TAL CHI

Client Sample ID: B-5A
Lab Sample ID: 500-203366-12
Date Collected: 08/03/21 07:45
Matrix: Water
Date Received: 08/05/21 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	614110	08/13/21 13:09	STW	TAL CHI
Total/NA	Prep	3535			514346	08/09/21 05:29	EFG	TAL SAC
Total/NA	Analysis	537 (modified)		1	515763	08/13/21 20:32	RS1	TAL SAC
Dissolved	Prep	3005A			613289	08/09/21 08:40	BDE	TAL CHI
Dissolved	Analysis	6020A		1	613533	08/09/21 22:16	FXG	TAL CHI
Dissolved	Prep	3005A			613289	08/09/21 08:40	BDE	TAL CHI
Dissolved	Analysis	6020A		1	613754	08/10/21 20:28	FXG	TAL CHI
Dissolved	Prep	7470A			614168	08/13/21 10:05	MJG	TAL CHI
Dissolved	Analysis	7470A		1	614435	08/16/21 09:16	MJG	TAL CHI

Lab Chronicle

Client: Ramboll US Corporation
Project/Site: Former Mirro 20 - Chilton 1690019558

Job ID: 500-203366-1

Client Sample ID: B-9

Lab Sample ID: 500-203366-13

Date Collected: 08/03/21 08:55
Matrix: Water
Date Received: 08/05/21 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	614110	08/13/21 13:35	STW	TAL CHI
Total/NA	Prep	3510C			613143	08/06/21 19:21	JP1	TAL CHI
Total/NA	Analysis	8082A		1	613365	08/09/21 18:32	SS	TAL CHI
Total/NA	Prep	3535			514346	08/09/21 05:29	EFG	TAL SAC
Total/NA	Analysis	537 (modified)		1	515763	08/13/21 20:41	RS1	TAL SAC
Dissolved	Prep	3005A			613289	08/09/21 08:40	BDE	TAL CHI
Dissolved	Analysis	6020A		1	613533	08/09/21 22:19	FXG	TAL CHI
Dissolved	Prep	3005A			613289	08/09/21 08:40	BDE	TAL CHI
Dissolved	Analysis	6020A		1	613754	08/10/21 20:31	FXG	TAL CHI
Dissolved	Prep	7470A			614168	08/13/21 10:05	MJG	TAL CHI
Dissolved	Analysis	7470A		1	614435	08/16/21 09:18	MJG	TAL CHI

Client Sample ID: B-12

Lab Sample ID: 500-203366-14

Date Collected: 08/03/21 10:00
Matrix: Water
Date Received: 08/05/21 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	614110	08/13/21 14:01	STW	TAL CHI
Total/NA	Prep	3535			514346	08/09/21 05:29	EFG	TAL SAC
Total/NA	Analysis	537 (modified)		1	515763	08/13/21 20:50	RS1	TAL SAC
Dissolved	Prep	3005A			613289	08/09/21 08:40	BDE	TAL CHI
Dissolved	Analysis	6020A		1	613533	08/09/21 22:22	FXG	TAL CHI
Dissolved	Prep	3005A			613289	08/09/21 08:40	BDE	TAL CHI
Dissolved	Analysis	6020A		1	613754	08/10/21 20:34	FXG	TAL CHI
Dissolved	Prep	7470A			614168	08/13/21 10:05	MJG	TAL CHI
Dissolved	Analysis	7470A		1	614435	08/16/21 09:20	MJG	TAL CHI

Client Sample ID: MW-2

Lab Sample ID: 500-203366-15

Date Collected: 08/03/21 11:25
Matrix: Water
Date Received: 08/05/21 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	614110	08/13/21 14:27	STW	TAL CHI
Total/NA	Prep	3535			514346	08/09/21 05:29	EFG	TAL SAC
Total/NA	Analysis	537 (modified)		1	515763	08/13/21 20:59	RS1	TAL SAC
Dissolved	Prep	3005A			613289	08/09/21 08:40	BDE	TAL CHI
Dissolved	Analysis	6020A		1	613533	08/09/21 22:33	FXG	TAL CHI
Dissolved	Prep	3005A			613289	08/09/21 08:40	BDE	TAL CHI
Dissolved	Analysis	6020A		1	613754	08/10/21 20:42	FXG	TAL CHI
Dissolved	Prep	7470A			614168	08/13/21 10:05	MJG	TAL CHI
Dissolved	Analysis	7470A		1	614435	08/16/21 09:27	MJG	TAL CHI

Lab Chronicle

Client: Ramboll US Corporation
Project/Site: Former Mirro 20 - Chilton 1690019558

Job ID: 500-203366-1

Client Sample ID: MW-1

Lab Sample ID: 500-203366-16

Date Collected: 08/03/21 12:15
Matrix: Water
Date Received: 08/05/21 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	614110	08/13/21 14:53	STW	TAL CHI
Total/NA	Prep	3535			514346	08/09/21 05:29	EFG	TAL SAC
Total/NA	Analysis	537 (modified)		1	515763	08/13/21 21:36	RS1	TAL SAC
Dissolved	Prep	3005A			613289	08/09/21 08:40	BDE	TAL CHI
Dissolved	Analysis	6020A		1	613533	08/09/21 22:36	FXG	TAL CHI
Dissolved	Prep	3005A			613289	08/09/21 08:40	BDE	TAL CHI
Dissolved	Analysis	6020A		1	613754	08/10/21 20:45	FXG	TAL CHI
Dissolved	Prep	7470A			614168	08/13/21 10:05	MJG	TAL CHI
Dissolved	Analysis	7470A		1	614435	08/16/21 09:29	MJG	TAL CHI

Client Sample ID: PZ-8

Lab Sample ID: 500-203366-17

Date Collected: 08/03/21 13:35
Matrix: Water
Date Received: 08/05/21 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	614110	08/13/21 15:19	STW	TAL CHI
Total/NA	Prep	3535			515852	08/13/21 05:11	HK	TAL SAC
Total/NA	Analysis	537 (modified)		1	516138	08/13/21 14:10	JRB	TAL SAC
Dissolved	Prep	3005A			613289	08/09/21 08:40	BDE	TAL CHI
Dissolved	Analysis	6020A		1	613533	08/09/21 22:40	FXG	TAL CHI
Dissolved	Prep	3005A			613289	08/09/21 08:40	BDE	TAL CHI
Dissolved	Analysis	6020A		1	613754	08/10/21 20:48	FXG	TAL CHI
Dissolved	Prep	7470A			614168	08/13/21 10:05	MJG	TAL CHI
Dissolved	Analysis	7470A		1	614435	08/16/21 09:31	MJG	TAL CHI

Client Sample ID: OMPZ-3

Lab Sample ID: 500-203366-18

Date Collected: 08/03/21 15:00
Matrix: Water
Date Received: 08/05/21 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	614110	08/13/21 15:45	STW	TAL CHI
Total/NA	Prep	3535			515852	08/13/21 05:11	HK	TAL SAC
Total/NA	Analysis	537 (modified)		1	516138	08/13/21 14:20	JRB	TAL SAC
Dissolved	Prep	3005A			613289	08/09/21 08:40	BDE	TAL CHI
Dissolved	Analysis	6020A		1	613533	08/09/21 22:43	FXG	TAL CHI
Dissolved	Prep	3005A			613289	08/09/21 08:40	BDE	TAL CHI
Dissolved	Analysis	6020A		1	613754	08/10/21 20:51	FXG	TAL CHI
Dissolved	Prep	7470A			614168	08/13/21 10:05	MJG	TAL CHI
Dissolved	Analysis	7470A		1	614435	08/16/21 09:33	MJG	TAL CHI

Client Sample ID: OMPZ-3 DUP
Lab Sample ID: 500-203366-19

Date Collected: 08/03/21 15:00
Matrix: Water
Date Received: 08/05/21 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	614110	08/13/21 16:11	STW	TAL CHI
Total/NA	Prep	3535			515852	08/13/21 05:11	HK	TAL SAC
Total/NA	Analysis	537 (modified)		1	516138	08/13/21 14:29	JRB	TAL SAC
Dissolved	Prep	3005A			613289	08/09/21 08:40	BDE	TAL CHI
Dissolved	Analysis	6020A		1	613533	08/09/21 22:47	FXG	TAL CHI
Dissolved	Prep	3005A			613289	08/09/21 08:40	BDE	TAL CHI
Dissolved	Analysis	6020A		1	613754	08/10/21 20:53	FXG	TAL CHI
Dissolved	Prep	7470A			614168	08/13/21 10:05	MJG	TAL CHI
Dissolved	Analysis	7470A		1	614435	08/16/21 09:35	MJG	TAL CHI

Client Sample ID: PZ-9
Lab Sample ID: 500-203366-20

Date Collected: 08/03/21 16:00
Matrix: Water
Date Received: 08/05/21 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	614110	08/13/21 16:37	STW	TAL CHI
Total/NA	Prep	3535			514062	08/06/21 20:10	PV	TAL SAC
Total/NA	Analysis	537 (modified)		1	514827	08/10/21 10:59	K1S	TAL SAC
Dissolved	Prep	3005A			613289	08/09/21 08:40	BDE	TAL CHI
Dissolved	Analysis	6020A		1	613533	08/09/21 22:50	FXG	TAL CHI
Dissolved	Prep	3005A			613289	08/09/21 08:40	BDE	TAL CHI
Dissolved	Analysis	6020A		1	613754	08/10/21 20:56	FXG	TAL CHI
Dissolved	Prep	7470A			614168	08/13/21 10:05	MJG	TAL CHI
Dissolved	Analysis	7470A		1	614435	08/16/21 09:44	MJG	TAL CHI

Client Sample ID: MW-9
Lab Sample ID: 500-203366-21

Date Collected: 08/03/21 16:50
Matrix: Water
Date Received: 08/05/21 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	614110	08/13/21 17:02	STW	TAL CHI
Total/NA	Prep	3535			514062	08/06/21 20:10	PV	TAL SAC
Total/NA	Analysis	537 (modified)		1	514536	08/09/21 17:02	D1R	TAL SAC
Dissolved	Prep	3005A			613717	08/11/21 08:24	BDE	TAL CHI
Dissolved	Analysis	6020A		1	613958	08/11/21 23:23	FXG	TAL CHI
Dissolved	Prep	7470A			614168	08/13/21 10:05	MJG	TAL CHI
Dissolved	Analysis	7470A		1	614435	08/16/21 09:46	MJG	TAL CHI

Client Sample ID: EB-02
Lab Sample ID: 500-203366-22

Date Collected: 08/03/21 17:15
Matrix: Water
Date Received: 08/05/21 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	614295	08/15/21 19:10	PMF	TAL CHI

Lab Chronicle

Client: Ramboll US Corporation
Job ID: 500-203366-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: EB-02
Lab Sample ID: 500-203366-22
Date Collected: 08/03/21 17:15
Matrix: Water
Date Received: 08/05/21 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			514062	08/06/21 20:10	PV	TAL SAC
Total/NA	Analysis	537 (modified)		1	514536	08/09/21 17:11	D1R	TAL SAC
Dissolved	Prep	3005A			613717	08/11/21 08:24	BDE	TAL CHI
Dissolved	Analysis	6020A		1	613958	08/11/21 23:27	FXG	TAL CHI
Dissolved	Prep	7470A			614168	08/13/21 10:05	MJG	TAL CHI
Dissolved	Analysis	7470A		1	614435	08/16/21 09:52	MJG	TAL CHI

Client Sample ID: FB-02
Lab Sample ID: 500-203366-23
Date Collected: 08/03/21 17:20
Matrix: Water
Date Received: 08/05/21 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			514062	08/06/21 20:10	PV	TAL SAC
Total/NA	Analysis	537 (modified)		1	514536	08/09/21 17:49	D1R	TAL SAC

Client Sample ID: FB-01
Lab Sample ID: 500-203366-24
Date Collected: 08/03/21 17:00
Matrix: Water
Date Received: 08/05/21 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			514062	08/06/21 20:10	PV	TAL SAC
Total/NA	Analysis	537 (modified)		1	514536	08/09/21 17:58	D1R	TAL SAC

Client Sample ID: TRIP BLANK
Lab Sample ID: 500-203366-25
Date Collected: 08/03/21 00:00
Matrix: Water
Date Received: 08/05/21 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	614110	08/13/21 11:52	STW	TAL CHI

Laboratory References:

TAL CHI = Eurofins TestAmerica, Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Accreditation/Certification Summary

Client: Ramboll US Corporation
Job ID: 500-203366-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Laboratory: Eurofins TestAmerica, Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	999580010	08-31-21

Laboratory: Eurofins TestAmerica, Sacramento

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	998204680	08-17-21

Eurofins TestAmerica, Chicago
2417 Bond Street
University Park, IL 60484
Phone (708) 534-5200 Phone (708) 534-5211

Chain of Custody Record

eurofins

Client Information	Sampler: D. GLASFORD	Lab PM: Fredrick, Sandie	Carrier Tracking No(s):	COC No: 500-93555-41597.1
Client Contact: Susan Petrofske	Phone: 262 573 6315	E-Mail: sandra.fredrick@eurofinset.com	State of Origin: WI	Page: Page 1 of 3
Company: Ramboll US Corporation	PWSID:			Job #: 500-203366
Address: 234 W. Florida Street Fifth Floor	Due Date Requested:			
City: Milwaukee	TAT Requested (days):			
State, Zip: WI, 53204	Compliance Project: Δ Yes Δ No			
Phone:	PO #: 1690019558			
Email: SPETROFSKE@ramboll.com / DGLASFORD@RAMBOLL.COM	WO #:			
Project Name: Former Mirro 20 - Chilton 1690019558	Project #: 50019131			
Site:	SSOW#:			

Analysis Requested

500-203366 COC

Preservation Codes:

A - HCL
B - NaOH
C - Zn Acetate
D - Nitric Acid
E - NaHSO4
F - MeOH
G - Amchlor
H - Ascorbic Acid
I - Ice
J - DI Water
K - EDTA
L - EDA
M - Hexane
N - None
O - AsNaO2
P - Na2O4S
Q - Na2SO3
R - Na2S2O3
S - H2SO4
T - TSP Dodecahydrate
U - Acetone
V - MCAA
W - pH 4-5
Z - other (specify)

Other:

	Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	PFC_IDA_WI - PFAS, Standard List (33 analytes)	8260B - VOC	6020A, 7470A RCRA	8082A - PCB	Total Number of containers	Special Instructions/Note:
				Preservation Code:				N	A	D	N		
1	B-5	8-3-21	745	G	Water			X	X	X			
2	B-6		845		Water			X	X	X			
3	B-11		935		Water			X	X	X			
4	PZ-10		1150		Water			X	X	X			
5	MW-10		1235		Water			X	X	X			
6	PZ-5		1330		Water			X	X	X			
7	PZ-5 DUP		1330		Water			X	X	X			
8	MW-5		1420		Water			X	X	X			
9	OMPZ-4		1520		Water			X	X	X			
10	MW-8		1620		Water			X	X	X			ADDITIONAL VOLUME FOR MS/MSD
11	EB-01		1715		Water			X	X	X	X		

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ 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:	Date/Time:	Company	Received by:	Date/Time:	Company
1		8.4.21 8:00	Ramboll		8-4-21 8:00	TA
2		8.4.21 17:00	TA	Stephanie Hernandez	8/5/21 0945	TA-CHI
3						

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 3.3, 2.1

Eurofins TestAmerica, Chicago
2417 Bond Street
University Park, IL 60484
Phone (708) 534-5200 Phone (708) 534-5211

Chain of Custody Record

eurofins Environment Testing America

Client Information	Sampler: Andrea Zecca	Lab PM: Fredrick, Sandie	Carrier Tracking No(s):	COC No: 500-93555-41597.1
Client Contact: Susan Petrofske	Phone:	E-Mail: sandra.fredrick@eurofinset.com	State of Origin: WI	Page: Page 7 of 3
Company: Ramboll US Corporation	PWSID:			Job #: 500-203166
Address: 234 W. Florida Street Fifth Floor	Due Date Requested:			
City: Milwaukee	TAT Requested (days):			
State, Zip: WI, 53204	Compliance Project: Δ Yes Δ No			
Phone:	PO #: 1690019558			
Email: SPETROFSKE@ramboll.com	WO #:			
Project Name: Former Mirro 20 - Chilton 1690019558	Project #: 50019131			
Site:	SSOW#:			

Analysis Requested

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:

	Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	PFC_IDA_WI - PFAS, Standard List (33 analytes)	8260B - VOC	6020A, 7470A RCRA	8082A - PCB	Total Number of containers	Special Instructions/Note:
				Preservation Code:				N	A	D	N		
12	B-5A	8-3-21	7:45	Comp	Water			X	X	X	[redacted]		
13	B-9	8-3-21	8:55	Comp	Water			X	X	X	X		
14	B-12	8-3-21	10:00	Comp	Water			X	X	X			
15	MW-2	8-3-21	11:25	Comp	Water			X	X	X			
16	MW-1	8-3-21	12:15	Comp	Water			X	X	X			
17	PZ-8	8-3-21	13:35	Comp	Water			X	X	X			
18	OMPZ-3	8-3-21	15:00	Comp	Water			X	X	X			
19	OMPZ-3 DUP	8-3-21	15:00	Comp	Water			X	X	X			
20	PZ-7	8-3-21	16:00	Comp	Water			X	X	X			
21	MW-9	8-3-21	16:58	Comp	Water			X	X	X			
22	EB-02	8-3-21	17:15	Grab	Water			X	X	X			

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ 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:	Date/Time: 8-4-21 800	Company: RAMBOLL	Received by:	Date/Time: 8-4-21 800	Company: TA
Relinquished by:	Date/Time: 8.4.21 1700	Company: TA	Received by: Stephenie Hernandez	Date/Time: 8/5/21 0945	Company: E-TA-CHI
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Eurofins TestAmerica, Chicago
2417 Bond Street
University Park, IL 60484
Phone (708) 534-5200 Phone (708) 534-5211

Chain of Custody Record

eurofins Environment Testing America

Client Information	Sampler: Andrea Zecca	Lab PM: Fredrick, Sandie	Carrier Tracking No(s):	COC No: 500-93555-41597.1
Client Contact: Susan Petrofske	Phone:	E-Mail: sandra.fredrick@eurofinset.com	State of Origin: WI	Page: Page 3 of 3
Company: Ramboll US Corporation	PWSID:	Analysis Requested		Job #: 500-203516
Address: 234 W. Florida Street Fifth Floor	Due Date Requested:			Preservation Codes:
City: Milwaukee	TAT Requested (days):			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:
State, Zip: WI, 53204	Compliance Project: Δ Yes Δ No			
Phone:	PO #: 1690019558			
Email: SPETROFSKE@ramboll.com	WO #:			
Project Name: Former Mirro 20 - Chilton 1690019558	Project #: 50019131			
Site:	SSOW#:			

	Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	PFC_IDA_WI - PFAS, Standard List (33 analytes)	8260B - VOC	6020A, 7470A RCRA	8082A - PCB	Total Number of containers	Special Instructions/Note:
				Preservation Code:				N	A	D	N		
23	FB-02	8-3-21	17:20	grab	Water			X	X				
24	FB-01	8-3-21	17:00	G	Water			X					
25	TRIP BLANK	—	—	—	Water				X				
					Water								
					Water								
					Water								
					Water								
					Water								
					Water								
					Water								

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

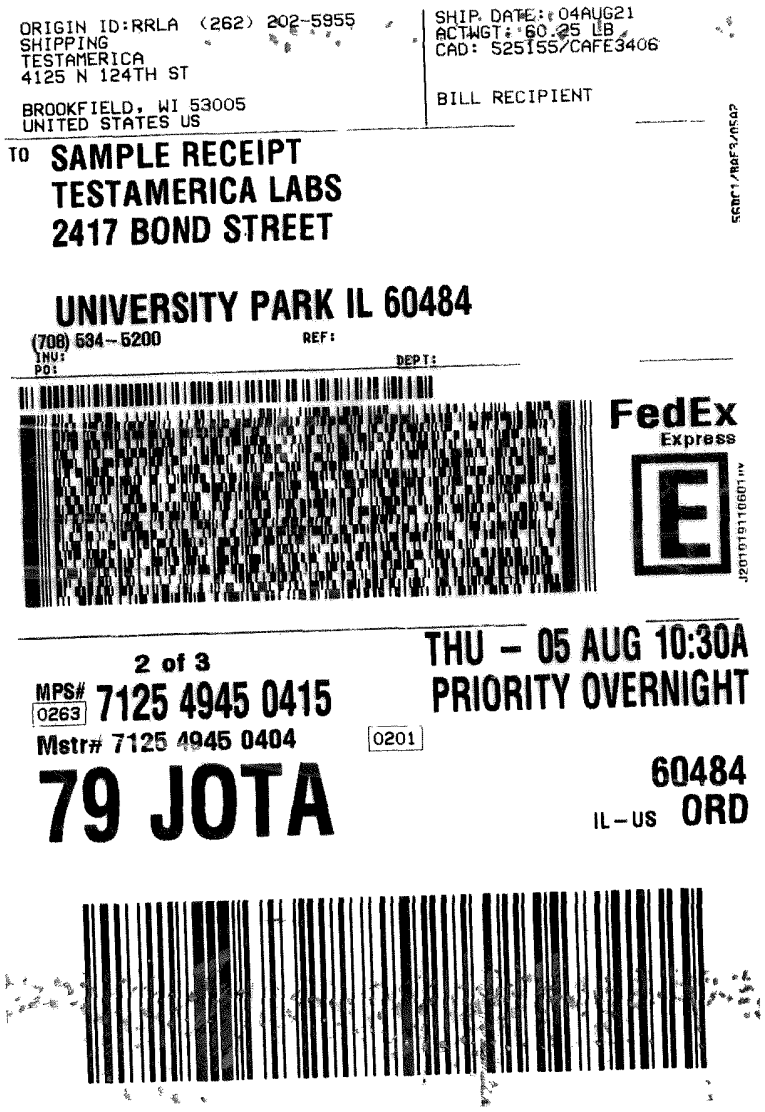
Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		8.4.21 800	RAMBOLL		8.4.21 800	TA
2	Relinquished by:	8.4.21 1700	TA	Received by: Stephanie Hernandez	8/5/21 0945	EHA-CHI
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks:



ORIGIN ID:RRLA (262) 202-5955
SHIPPING
TESTAMERICA
4125 N 124TH ST

BROOKFIELD, WI 53005
UNITED STATES US

SHIP DATE: 04AUG21
ACTWGT: 60.25 LB
CAD: 525155/CAFE3406

BILL RECIPIENT

TO SAMPLE RECEIPT
TESTAMERICA LABS
2417 BOND STREET

UNIVERSITY PARK IL 60484

(708) 534-5200 REF:
INV:
PO: DEPT:

FedEx Express

2 of 3
MPS# 0263 7125 4945 0415
Mstr# 7125 4945 0404

0201

THU - 05 AUG 10:30A
PRIORITY OVERNIGHT

79 JOTA

60484
IL-US ORD

500-203366 Wayb

ORIGIN ID:RRLA (262) 202-5955
SHIPPING
TESTAMERICA
4125 N 124TH ST

BROOKFIELD, WI 53005
UNITED STATES US

SHIP DATE:
ACTWGT: 61.7
CAD: 525155/CAFE3406

BILL RECIPIENT

TO SAMPLE RECEIPT
TESTAMERICA LABS
2417 BOND STREET

UNIVERSITY PARK IL 60484

(708) 534-5200 REF:
INV:
PO: DEPT:

FedEx Express

1 of 3
TRK# 0201 7125 4945 0404
MASTER

THU - 05 AUG 10:30A
PRIORITY OVERNIGHT

79 JOTA

60484
IL-US ORD

Eurofins TestAmerica, Chicago
2417 Bond Street
University Park, IL 60484
Phone: 708-534-5200 Fax: 708-534-5211

Chain of Custody Record

eurofins Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Fredrick, Sandie	Carrier Tracking No(s):	COC No: 500-151198.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: sandra.fredrick@eurofinset.com	State of Origin: Wisconsin	Page: Page 1 of 3
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State - Wisconsin; State Program - Wisconsin		Job #: 500-203366-1
Address: 880 Riverside Parkway, ,	Due Date Requested: 8/18/2021			
City: West Sacramento	TAT Requested (days):			
State, Zip: CA, 95605				
Phone: 916-373-5600(Tel) 916-372-1059(Fax)	PO #:			
Email:	WO #:			
Project Name: Former Mirro 20 - Chilton 1690019558	Project #: 50019131			
Site:	SSOW#:			

Analysis Requested

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:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	PFC_IDA_WI/3535_PFC_28D PFAS, Standard List (33 analytes)	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
B-5 (500-203366-1)	8/3/21	07:45 Central		Water			X	2	
B-6 (500-203366-2)	8/3/21	08:45 Central		Water			X	2	
B-11 (500-203366-3)	8/3/21	09:35 Central		Water			X	2	
PZ-10 (500-203366-4)	8/3/21	11:50 Central		Water			X	2	
MW-10 (500-203366-5)	8/3/21	12:35 Central		Water			X	2	
PZ-5 (500-203366-6)	8/3/21	13:30 Central		Water			X	2	
PZ-5 DUP (500-203366-7)	8/3/21	13:30 Central		Water			X	2	
MW-5 (500-203366-8)	8/3/21	14:20 Central		Water			X	2	
OMPZ-4 (500-203366-9)	8/3/21	15:20 Central		Water			X	2	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

Possible Hazard Identification
Unconfirmed

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*

Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by: Shiri Scott	Date/Time: 8/5/21 1530	Company: BTACHI	Received by: [signature]	Date/Time: 8/6/21 10:15	Company: BTASAC
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No (Yes circled) | Custody Seal No.: 1452126 | Cooler Temperature(s) °C and Other Remarks: 4.5C

Ver: 06/08/2021

Eurofins TestAmerica, Chicago
2417 Bond Street
University Park, IL 60484
Phone: 708-534-5200 Fax: 708-534-5211

Chain of Custody Record

eurofins Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Fredrick, Sandie	Carrier Tracking No(s):	COC No: 500-151198.2
Client Contact: Shipping/Receiving	Phone:	E-Mail: sandra.fredrick@eurofinset.com	State of Origin: Wisconsin	Page: Page 2 of 3
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State - Wisconsin; State Program - Wisconsin		Job #: 500-203366-1
Address: 880 Riverside Parkway, ,	Due Date Requested: 8/18/2021			
City: West Sacramento	TAT Requested (days):			
State, Zip: CA, 95605				
Phone: 916-373-5600(Tel) 916-372-1059(Fax)	PO #:			
Email:	WO #:			
Project Name: Former Mirro 20 - Chilton 1690019558	Project #: 50019131			
Site:	SSOW#:			

Analysis Requested

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:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	PFC_IDA_WI/3535_PFC_28D PFAS, Standard List (33 analytes)	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
MW-8 (500-203366-10)	8/3/21	16:20 Central		Water			X	2	
MW-8 (500-203366-10MS)	8/3/21	16:20 Central	MS	Water			X	2	
MW-8 (500-203366-10MSD)	8/3/21	16:20 Central	MSD	Water			X	2	
EB-01 (500-203366-11)	8/3/21	17:15 Central		Water			X	2	
B-5A (500-203366-12)	8/3/21	07:45 Central		Water			X	2	
B-9 (500-203366-13)	8/3/21	08:55 Central		Water			X	2	
B-12 (500-203366-14)	8/3/21	10:00 Central		Water			X	2	
MW-2 (500-203366-15)	8/3/21	11:25 Central		Water			X	2	
MW-1 (500-203366-16)	8/3/21	12:15 Central		Water			X	2	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

Possible Hazard Identification
Unconfirmed

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*

Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by: Shui Scott	Date/Time: 8/5/21 1530	Company: ETA-CHI	Received by: [signature]	Date/Time: 8/6/21 10:15	Company: LSTESCO
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☑ Yes Δ No | Custody Seal No.: 1452126 | Cooler Temperature(s) °C and Other Remarks: 4.5c

Ver: 06/08/2021

Eurofins TestAmerica, Chicago
2417 Bond Street
University Park, IL 60484
Phone: 708-534-5200 Fax: 708-534-5211

Chain of Custody Record

eurofins Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Fredrick, Sandie	Carrier Tracking No(s):	COC No: 500-151198.3
Client Contact: Shipping/Receiving	Phone:	E-Mail: sandra.fredrick@eurofinset.com	State of Origin: Wisconsin	Page: Page 3 of 3
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State - Wisconsin; State Program - Wisconsin		Job #: 500-203366-1
Address: 880 Riverside Parkway, ,	Due Date Requested: 8/18/2021			
City: West Sacramento	TAT Requested (days):			
State, Zip: CA, 95605				
Phone: 916-373-5600(Tel) 916-372-1059(Fax)	PO #:			
Email:	WO #:			
Project Name: Former Mirro 20 - Chilton 1690019558	Project #: 50019131			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	PFC_IDA_WI/3535_PFC_28D PFAS, Standard List (33 analytes)	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
PZ-8 (500-203366-17)	8/3/21	13:35 Central		Water			X	2	
OMPZ-3 (500-203366-18)	8/3/21	15:00 Central		Water			X	2	
OMPZ-3 DUP (500-203366-19)	8/3/21	15:00 Central		Water			X	2	
PZ-9 (500-203366-20)	8/3/21	16:00 Central		Water			X	2	
MW-9 (500-203366-21)	8/3/21	16:50 Central		Water			X	2	
EB-02 (500-203366-22)	8/3/21	17:15 Central		Water			X	2	
EB-02 (500-203366-23)	8/3/21	17:20 Central		Water			X	2	
FB-01 (500-203366-24)	8/3/21	17:00 Central		Water			X	2	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

Possible Hazard Identification
Unconfirmed

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*

Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by: Shiv Scott	Date/Time: 8/5/21 1530	Company: ETA CHI	Received by: [signature]	Date/Time: 8/6/21 10:15	Company: [illegible]
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No — Custody Seal No.: 1452126 — Cooler Temperature(s) °C and Other Remarks: 4.5C

Ver: 06/08/2021

Eurofins TestAmerica, Chicago
2417 Bond Street
University Park, IL 60484
Phone: 708-534-5200 Fax: 708-534-5211

Chain of Custody Record

eurofins Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Fredrick, Sandie	Carrier Tracking No(s):	COC No: 500-151198.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: sandra.fredrick@eurofinset.com	State of Origin: Wisconsin	Page: Page 1 of 3
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State - Wisconsin; State Program - Wisconsin		Job #: 500-203366-1
Address: 880 Riverside Parkway, ,	Due Date Requested: 8/18/2021			
City: West Sacramento	TAT Requested (days):			
State, Zip: CA, 95605				
Phone: 916-373-5600(Tel) 916-372-1059(Fax)	PO #:			
Email:	WO #:			
Project Name: Former Mirro 20 - Chilton 1690019558	Project #: 50019131			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	PFC_IDA_WI/3535_PFC_28D PFAS, Standard List (33 analytes)	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
B-5 (500-203366-1)	8/3/21	07:45 Central		Water			X	2	
B-6 (500-203366-2)	8/3/21	08:45 Central		Water			X	2	
B-11 (500-203366-3)	8/3/21	09:35 Central		Water			X	2	
PZ-10 (500-203366-4)	8/3/21	11:50 Central		Water			X	2	
MW-10 (500-203366-5)	8/3/21	12:35 Central		Water			X	2	
PZ-5 (500-203366-6)	8/3/21	13:30 Central		Water			X	2	
PZ-5 DUP (500-203366-7)	8/3/21	13:30 Central		Water			X	2	
MW-5 (500-203366-8)	8/3/21	14:20 Central		Water			X	2	
OMPZ-4 (500-203366-9)	8/3/21	15:20 Central		Water			X	2	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Shiri Scott	8/5/21 1530	BTACHI	[signature]	8/6/21 10:15	BTASAC

Custody Seals Intact:	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:
Δ Yes Δ No	1452126, 1452114	4.5c, 10.4°C

Ver: 06/08/2021

Eurofins TestAmerica, Chicago
2417 Bond Street
University Park, IL 60484
Phone: 708-534-5200 Fax: 708-534-5211

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Fredrick, Sandie	Carrier Tracking No(s):	COC No: 500-151198.2
Client Contact: Shipping/Receiving	Phone:	E-Mail: sandra.fredrick@eurofinset.com	State of Origin: Wisconsin	Page: Page 2 of 3
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State - Wisconsin; State Program - Wisconsin		Job #: 500-203366-1
Address: 880 Riverside Parkway, ,	Due Date Requested: 8/18/2021			
City: West Sacramento	TAT Requested (days):			
State, Zip: CA, 95605				
Phone: 916-373-5600(Tel) 916-372-1059(Fax)	PO #:			
Email:	WO #:			
Project Name: Former Mirro 20 - Chilton 1690019558	Project #: 50019131			
Site:	SSOW#:			

Analysis Requested

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:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	PFC_IDA_WI/3535_PFC_28D PFAS, Standard List (33 analytes)	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
MW-8 (500-203366-10)	8/3/21	16:20 Central		Water			X	2	
MW-8 (500-203366-10MS)	8/3/21	16:20 Central	MS	Water			X	2	
MW-8 (500-203366-10MSD)	8/3/21	16:20 Central	MSD	Water			X	2	
EB-01 (500-203366-11)	8/3/21	17:15 Central		Water			X	2	
B-5A (500-203366-12)	8/3/21	07:45 Central		Water			X	2	
B-9 (500-203366-13)	8/3/21	08:55 Central		Water			X	2	
B-12 (500-203366-14)	8/3/21	10:00 Central		Water			X	2	
MW-2 (500-203366-15)	8/3/21	11:25 Central		Water			X	2	
MW-1 (500-203366-16)	8/3/21	12:15 Central		Water			X	2	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmenca laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	8/5/21 1530	ETA-CHL	[signature]	8/6/21 10:15	ESTASOC
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.: 1452126	Cooler Temperature(s) °C and Other Remarks: 4.5c

Ver: 06/08/2021

Eurofins TestAmerica, Chicago
2417 Bond Street
University Park, IL 60484
Phone: 708-534-5200 Fax: 708-534-5211

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Fredrick, Sandie	Carrier Tracking No(s):	COC No: 500-151198.3
Client Contact: Shipping/Receiving	Phone:	E-Mail: sandra.fredrick@eurofinset.com	State of Origin: Wisconsin	Page: Page 3 of 3
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State - Wisconsin; State Program - Wisconsin		Job #: 500-203366-1
Address: 880 Riverside Parkway, ,	Due Date Requested: 8/18/2021			
City: West Sacramento	TAT Requested (days):			
State, Zip: CA, 95605				
Phone: 916-373-5600(Tel) 916-372-1059(Fax)	PO #:			
Email:	WO #:			
Project Name: Former Mirro 20 - Chilton 1690019558	Project #: 50019131			
Site:	SSOW#:			

Analysis Requested

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:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	PFC_IDA_WI/3535_PFC_28D PFAS, Standard List (33 analytes)	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
PZ-8 (500-203366-17)	8/3/21	13:35 Central		Water			X	2	
OMPZ-3 (500-203366-18)	8/3/21	15:00 Central		Water			X	2	
OMPZ-3 DUP (500-203366-19)	8/3/21	15:00 Central		Water			X	2	
PZ-9 (500-203366-20)	8/3/21	16:00 Central		Water			X	2	
MW-9 (500-203366-21)	8/3/21	16:50 Central		Water			X	2	
EB-02 (500-203366-22)	8/3/21	17:15 Central		Water			X	2	
EB-02 (500-203366-23)	8/3/21	17:20 Central		Water			X	2	
FB-01 (500-203366-24)	8/3/21	17:00 Central		Water			X	2	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by: [signature]	Date/Time: 8/5/21 1530	Company: BTA CHI	Received by: [signature]	Date/Time: 8/6/21 10:15	Company: [signature]
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.: 1452126	Cooler Temperature(s) °C and Other Remarks: 4.5C

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Ramboll US Corporation

Job Number: 500-203366-1

Login Number: 203366
List Number: 1
Creator: Hernandez, Stephanie

List Source: Eurofins TestAmerica, Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= 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	3.3,2.1
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.	False	Refer to Job Narrative for details.
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 <6mm (1/4").	False	Headspace larger than 1/4" in one or more vials, one vial with accpt. headspace
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Ramboll US Corporation

Job Number: 500-203366-1

Login Number: 203366
List Number: 2
Creator: Simmons, Jason C

List Source: Eurofins TestAmerica, Sacramento
List Creation: 08/06/21 02:34 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	1542126
Sample custody seals, if present, are intact.	N/A	
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	4.5c
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?	False	Received project as a subcontract.
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.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Ramboll US Corporation

Job Number: 500-203366-1

Login Number: 203366
List Number: 4
Creator: Nelson, Kym D

List Source: Eurofins TestAmerica, Sacramento

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	1452114
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	Water present in cooler; indicates evidence of melted ice.
Cooler Temperature is acceptable.	False	Cooler temperature outside required temperature criteria.
Cooler Temperature is recorded.	True	10.4C
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?	False	Received project as a subcontract.
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.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing TestAmerica

Sacramento
Sample Receiving Notes

500-203366 Field Sheet

Job: _____

Tracking # : 1893445284490

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations.
File in the job folder with the COC.

Therm. ID: L-07 Corr. Factor: (+ / -) — °C

Ice / Wet / Gel _____ Other _____

Cooler Custody Seal: 140126

Cooler ID: —

Temp Observed: 4.5 °C Corrected: 4.5 °C

From: Temp Blank ☐ Sample ☑

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☑	☐
Cooler Temperature is acceptable?	☑	☐	☐
Frozen samples show signs of thaw?	☐	☐	☑

Initials: LB Date: 8/6/21

Unpacking/Labeling The Samples	Yes	No	NA
CoC is complete w/o discrepancies?	☑	☐	☐
Samples compromised/tampered with?	☐	☑	☐
Sample containers have legible labels?	☑	☐	☐
Sample custody seal?	☐	☐	☑
Containers are not broken or leaking?	☑	☐	☐
Sample date/times are provided?	☑	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled?	☑	☐	☐
Sample preservatives verified?	☐	☐	☑
Samples w/o discrepancies?	☑	☐	☐
Zero headspace?*	☐	☐	☑
Alkalinity has no headspace?	☐	☐	☑
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☑
Multiphasic samples are not present?	☑	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: LB Date: 8/6/21

Notes: _____

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☑	☐	☐
Samples received within hold time?	☑	☐	☐
NCM Filed?	☐	☐	☑
Log Release checked in TALS?	☑	☐	☐

Initials: LB Date: 8/6/21

eurofins | Environment Testing TestAmerica

Sacramento
Sample Receiving Notes

Place Field Sheet Label Here

Tracking # : 512065085438

Job: _____

SO / PO / FO / (SAT) / 2-Day / Ground / UPS / CDO / Courier
GSO / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations.
File in the job folder with the COC.

Therm. ID: L-06 Corr. Factor: (+ / -) — °C

Ice _____ Wet ✓ Gel _____ Other _____

Cooler Custody Seal: 14521114

Cooler ID: —

Temp Observed: 10.4 °C Corrected: 10.4 °C

From: Temp Blank ☐ Sample ☑

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☑	☐
Cooler Temperature is acceptable?	☐	☑	☐
Frozen samples show signs of thaw?	☐	☐	☑

Initials: _____ Date: 8/7/21

Unpacking/Labeling The Samples	Yes	No	NA
CoC is complete w/o discrepancies?	☐	☑	☐
Samples compromised/tampered with?	☐	☐	☐
Sample containers have legible labels?	☑	☐	☐
Sample custody seal?	☐	☐	☑
Containers are not broken or leaking?	☑	☐	☐
Sample date/times are provided?	☑	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled?	☑	☐	☐
Sample preservatives verified?	☐	☐	☑
Samples w/o discrepancies?	☑	☐	☐
Zero headspace?*	☐	☐	☑
Alkalinity has no headspace?	☐	☐	☑
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☑
Multiphasic samples are not present?	☑	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: _____ Date: 8/9/21

Notes: Cooler out of temp. Failed cooling agent present in the form of water. Cooler packed 12 Samples into 2 Ziplock bags.

8/7/21

NO COC SO 8/7/21

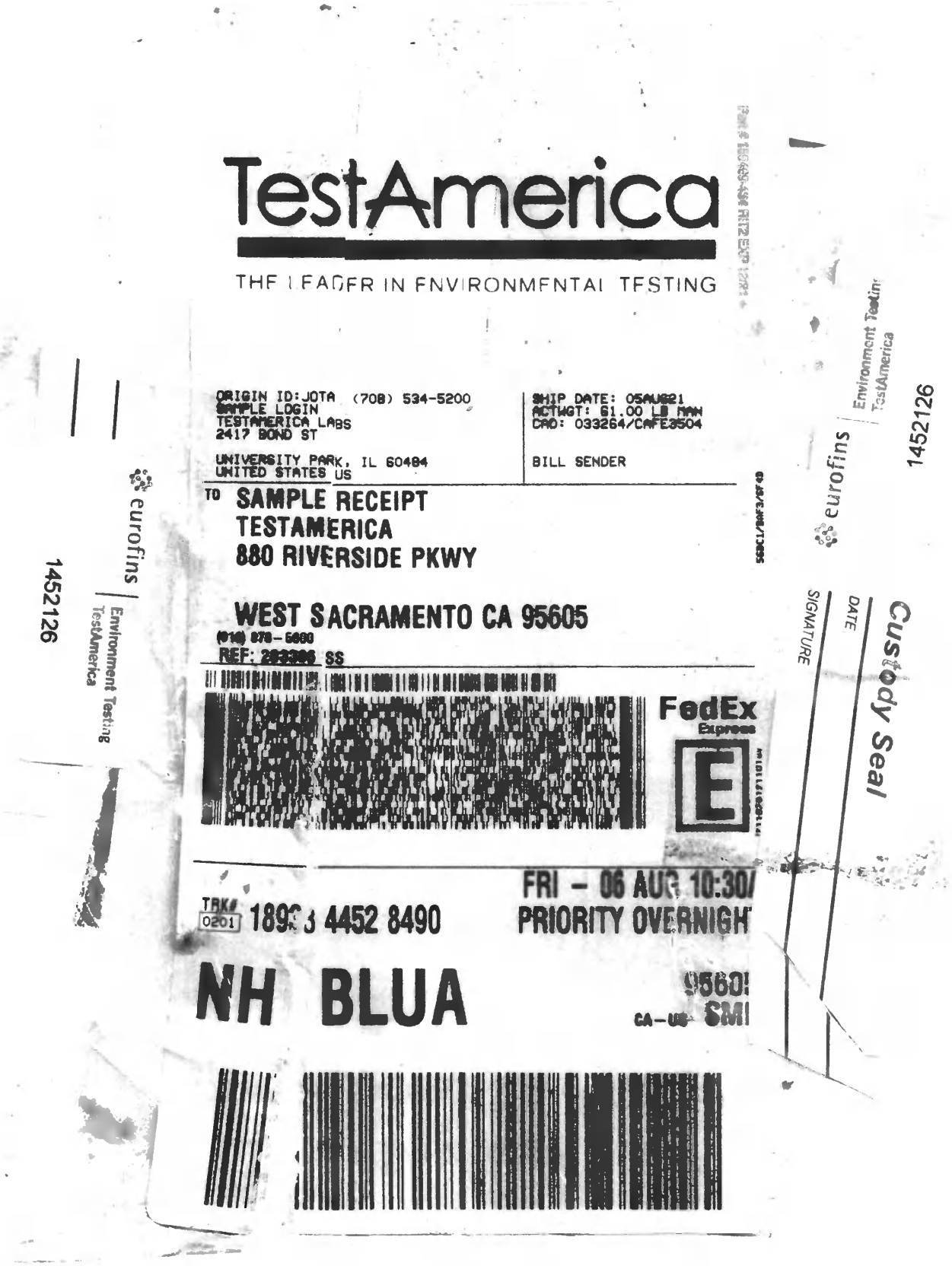
SDG-203366
1 17-19

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☑	☐	☐
Samples received within hold time?	☑	☐	☐
NCM Filed?	☐	☐	☐
Log Release checked in TALS?	☑	☐	☐

Initials: _____ Date: 8/9/21

eurofins
Environment Testing
TestAmerica
1452114
Custody Seal
DATE
SIGNATURE
ORIGIN ID:BLUA (609) 651-6478
DEANDRE COOLEY
NRG ENERGY, INC.
529 EAST ROMERO ROAD
ROMEOVILLE, IL 60446
UNITED STATES US
SHIP DATE: 16JUL21
ACTWGT: 10.00 LB MAN
CAD: 0575589/CAFE3409
TO SAMPLE RECEIVING
TESTAMERICA WEST SACRAMENTO
880 RIVERSIDE PARKWAY
WEST SACRAMENTO CA 95605
(916) 373-5600
REF: S320-41283
RMA:
FedEx Express
FedEx.
TRK# 0221 5120 6508 5438
SATURDAY AA
PRIORITY OVERNIGHT
X0 BLUA
95605
CA-US
SMF
472819 06Aug 08:25 MEMH 550C1/BAF3/32A6



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ORIGIN ID:JOTA (708) 534-5200
SAMPLE LOGIN
TESTAMERICA LABS
2417 BOND ST

UNIVERSITY PARK, IL 60484
UNITED STATES US

SHIP DATE: 05AUG21
ACTWGT: 61.00 LB MAN
CAD: 033264/CAFE3504

BILL SENDER

TO SAMPLE RECEIPT
TESTAMERICA
880 RIVERSIDE PKWY

WEST SACRAMENTO CA 95605
(916) 878-5600
REF: 283306 SS

FedEx Express

E

TRK# 0201 189[illegible]3 4452 8490

FRI - 06 AUG 10:30/
PRIORITY OVERNIGH

NH BLUA

9560[illegible]
CA-US SMI

eurofins | Environment Testing TestAmerica

1452126

Custody Seal

DATE

SIGNATURE

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Isotope Dilution Summary

Client: Ramboll US Corporation
Project/Site: Former Mirro 20 - Chilton 1690019558

Job ID: 500-203366-1

Method: 537 (modified) - Fluorinated Alkyl Substances

Matrix: Water

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFBA (25-150)	PFPeA (25-150)	PFHxA (25-150)	C4PFHA (25-150)	PFOA (25-150)	PFNA (25-150)	PFDA (25-150)	PFUnA (25-150)
500-203366-1	B-5	84	95	90	102	92	97	107	91
500-203366-2	B-6	75	87	89	93	94	95	96	82
500-203366-3	B-11	80	92	90	99	95	95	103	96
500-203366-4	PZ-10	76	85	88	90	90	87	95	88
500-203366-5	MW-10	77	95	98	102	104	96	105	97
500-203366-6	PZ-5	86	94	90	96	94	100	98	95
500-203366-7	PZ-5 DUP	87	97	93	97	100	104	102	96
500-203366-8	MW-5	82	94	102	104	98	103	106	101
500-203366-9	OMPZ-4	85	103	109	108	109	104	111	110
500-203366-10	MW-8	81	92	88	97	89	97	100	84
500-203366-10 MS	MW-8	78	87	87	95	90	91	94	80
500-203366-10 MSD	MW-8	78	90	89	98	89	90	103	94
500-203366-11	EB-01	88	93	91	94	89	86	97	99
500-203366-12	B-5A	80	92	92	101	96	93	101	93
500-203366-13	B-9	82	92	90	95	93	96	100	97
500-203366-14	B-12	81	89	88	96	88	93	99	92
500-203366-15	MW-2	78	87	85	94	93	94	92	95
500-203366-16	MW-1	83	87	91	100	94	99	107	102
500-203366-17	PZ-8	84	88	80	90	96	95	86	86
500-203366-18	OMPZ-3	87	86	77	88	96	94	86	76
500-203366-19	OMPZ-3 DUP	85	83	75	83	92	92	85	81
500-203366-20	PZ-9	86	94	98	104	97	103	102	94
500-203366-21	MW-9	93	105	104	104	97	113	109	112
500-203366-22	EB-02	93	99	99	107	100	102	111	115
500-203366-23	FB-02	101	97	99	103	105	104	119	104
500-203366-24	FB-01	96	94	96	107	100	104	109	115
LCS 320-514062/2-A	Lab Control Sample	94	103	102	107	106	107	115	117
LCS 320-514346/2-A	Lab Control Sample	96	94	95	106	98	98	108	109
LCS 320-515852/2-A	Lab Control Sample	93	88	79	87	96	89	85	83
LCSD 320-514062/3-A	Lab Control Sample Dup	96	96	98	108	100	108	115	116
LCSD 320-514346/3-A	Lab Control Sample Dup	91	97	96	101	98	95	103	106
LCSD 320-515852/3-A	Lab Control Sample Dup	96	89	86	88	102	91	86	87
MB 320-514062/1-A	Method Blank	94	91	101	101	101	102	114	112
MB 320-514346/1-A	Method Blank	89	95	90	99	96	95	103	98
MB 320-515852/1-A	Method Blank	93	85	85	91	94	89	85	88

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFDoA (25-150)	PFTDA (25-150)	C3PFBS (25-150)	PFHxS (25-150)	PFOS (25-150)	PFOSA (10-150)	d3NMFOS (25-150)	d5NEFOS (25-150)
500-203366-1	B-5	85	99	105	94	88	96	87	89
500-203366-2	B-6	76	75	102	91	85	91	78	88
500-203366-3	B-11	89	100	108	95	92	99	86	89
500-203366-4	PZ-10	80	99	84	85	80	86	76	84
500-203366-5	MW-10	96	90	95	93	94	99	84	93
500-203366-6	PZ-5	93	95	103	92	88	93	83	88
500-203366-7	PZ-5 DUP	91	98	110	92	92	98	88	91
500-203366-8	MW-5	94	94	92	95	94	101	86	100
500-203366-9	OMPZ-4	97	100	95	98	95	105	93	100
500-203366-10	MW-8	86	91	101	86	84	90	83	91
500-203366-10 MS	MW-8	88	95	102	87	85	92	85	85

Isotope Dilution Summary

Client: Ramboll US Corporation
Job ID: 500-203366-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Matrix: Water
Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFDoA (25-150)	PFTDA (25-150)	C3PFBS (25-150)	PFHxS (25-150)	PFOS (25-150)	PFOSA (10-150)	d3NMFOS (25-150)	d5NEFOS (25-150)
500-203366-10 MSD	MW-8	95	87	102	94	87	94	89	90
500-203366-11	EB-01	95	96	104	94	89	91	90	99
500-203366-12	B-5A	77	88	100	93	89	92	83	87
500-203366-13	B-9	89	86	97	94	86	93	86	94
500-203366-14	B-12	86	94	104	89	88	90	85	88
500-203366-15	MW-2	79	98	98	89	88	91	83	86
500-203366-16	MW-1	89	103	104	93	92	96	89	95
500-203366-17	PZ-8	92	104	101	92	95	94	80	95
500-203366-18	OMPZ-3	102	112	98	94	88	95	86	92
500-203366-19	OMPZ-3 DUP	85	110	94	92	85	89	83	86
500-203366-20	PZ-9	91	89	91	97	88	90	74	86
500-203366-21	MW-9	95	108	98	94	94	103	84	106
500-203366-22	EB-02	98	100	91	90	92	93	89	97
500-203366-23	FB-02	100	108	94	94	98	96	94	106
500-203366-24	FB-01	99	107	90	93	96	100	96	108
LCS 320-514062/2-A	Lab Control Sample	99	113	97	99	102	100	96	106
LCS 320-514346/2-A	Lab Control Sample	108	104	109	98	97	97	100	105
LCS 320-515852/2-A	Lab Control Sample	92	109	89	88	86	86	84	87
LCSD 320-514062/3-A	Lab Control Sample Dup	102	104	94	96	97	98	95	100
LCSD 320-514346/3-A	Lab Control Sample Dup	103	102	107	98	94	95	98	96
LCSD 320-515852/3-A	Lab Control Sample Dup	95	119	101	97	96	89	85	90
MB 320-514062/1-A	Method Blank	92	97	91	95	95	99	94	102
MB 320-514346/1-A	Method Blank	101	104	105	94	94	90	92	95
MB 320-515852/1-A	Method Blank	95	112	93	93	86	86	87	89

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	dMeFOSA (10-150)	dEtFOSA (10-150)	NMFM (10-150)	NEFM (10-150)	M242FTS (25-150)	M262FTS (25-150)	M282FTS (25-150)	HFPODA (25-150)
500-203366-1	B-5	82	75	77	80	96	103	99	97
500-203366-2	B-6	73	66	67	71	114	142	121	92
500-203366-3	B-11	84	77	72	87	98	107	104	95
500-203366-4	PZ-10	75	71	76	76	104	117	105	90
500-203366-5	MW-10	82	79	80	82	107	127	120	102
500-203366-6	PZ-5	73	68	74	82	101	110	99	102
500-203366-7	PZ-5 DUP	75	72	74	80	103	103	100	102
500-203366-8	MW-5	84	78	81	84	122	134	126	103
500-203366-9	OMPZ-4	90	83	85	102	122	140	125	112
500-203366-10	MW-8	80	72	80	85	105	111	97	94
500-203366-10 MS	MW-8	79	77	70	82	100	110	104	94
500-203366-10 MSD	MW-8	82	75	86	88	93	112	105	95
500-203366-11	EB-01	75	72	76	86	98	98	100	91
500-203366-12	B-5A	74	69	71	74	102	117	99	98
500-203366-13	B-9	73	68	76	82	101	113	99	95
500-203366-14	B-12	71	67	78	79	91	96	90	91
500-203366-15	MW-2	78	71	80	81	94	107	96	88
500-203366-16	MW-1	77	73	81	82	98	101	103	95
500-203366-17	PZ-8	82	73	72	82	90	103	85	90
500-203366-18	OMPZ-3	74	70	67	86	83	101	76	94
500-203366-19	OMPZ-3 DUP	65	67	64	71	77	96	70	86
500-203366-20	PZ-9	76	74	71	75	109	131	116	102
500-203366-21	MW-9	86	83	83	101	117	118	122	109

Isotope Dilution Summary

Client: Ramboll US Corporation
Job ID: 500-203366-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Matrix: Water
Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	dMeFOSA (10-150)	dEtFOSA (10-150)	NMFM (10-150)	NEFM (10-150)	M242FTS (25-150)	M262FTS (25-150)	M282FTS (25-150)	HFPODA (25-150)
500-203366-22	EB-02	88	84	90	98	112	124	120	106
500-203366-23	FB-02	91	88	93	99	111	134	138	109
500-203366-24	FB-01	91	89	94	107	115	127	122	105
LCS 320-514062/2-A	Lab Control Sample	93	89	88	100	122	127	124	105
LCS 320-514346/2-A	Lab Control Sample	78	80	93	92	98	102	104	103
LCS 320-515852/2-A	Lab Control Sample	72	71	76	80	80	87	79	89
LCSD 320-514062/3-A	Lab Control Sample Dup	84	80	91	89	119	126	128	104
LCSD 320-514346/3-A	Lab Control Sample Dup	81	78	85	91	101	100	98	103
LCSD 320-515852/3-A	Lab Control Sample Dup	80	80	73	84	88	95	93	83
MB 320-514062/1-A	Method Blank	86	83	85	96	112	132	124	102
MB 320-514346/1-A	Method Blank	69	71	82	89	89	100	97	97
MB 320-515852/1-A	Method Blank	74	71	65	82	91	94	87	96

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	M102FTS (25-150)							
500-203366-1	B-5	98							
500-203366-2	B-6	97							
500-203366-3	B-11	103							
500-203366-4	PZ-10	94							
500-203366-5	MW-10	114							
500-203366-6	PZ-5	92							
500-203366-7	PZ-5 DUP	91							
500-203366-8	MW-5	111							
500-203366-9	OMPZ-4	113							
500-203366-10	MW-8	91							
500-203366-10 MS	MW-8	98							
500-203366-10 MSD	MW-8	95							
500-203366-11	EB-01	102							
500-203366-12	B-5A	87							
500-203366-13	B-9	101							
500-203366-14	B-12	94							
500-203366-15	MW-2	94							
500-203366-16	MW-1	102							
500-203366-17	PZ-8	79							
500-203366-18	OMPZ-3	79							
500-203366-19	OMPZ-3 DUP	79							
500-203366-20	PZ-9	91							
500-203366-21	MW-9	114							
500-203366-22	EB-02	122							
500-203366-23	FB-02	129							
500-203366-24	FB-01	126							
LCS 320-514062/2-A	Lab Control Sample	127							
LCS 320-514346/2-A	Lab Control Sample	106							
LCS 320-515852/2-A	Lab Control Sample	79							
LCSD 320-514062/3-A	Lab Control Sample Dup	124							
LCSD 320-514346/3-A	Lab Control Sample Dup	102							
LCSD 320-515852/3-A	Lab Control Sample Dup	89							
MB 320-514062/1-A	Method Blank	122							
MB 320-514346/1-A	Method Blank	105							
MB 320-515852/1-A	Method Blank	89							

Isotope Dilution Summary

Client: Ramboll US Corporation
Job ID: 500-203366-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Surrogate Legend

PFBA = 13C4 PFBA
PFPeA = 13C5 PFPeA
PFHxA = 13C2 PFHxA
C4PFHA = 13C4 PFHpA
PFOA = 13C4 PFOA
PFNA = 13C5 PFNA
PFDA = 13C2 PFDA
PFUnA = 13C2 PFUnA
PFDoA = 13C2 PFDoA
PFTDA = 13C2 PFTeDA
C3PFBS = 13C3 PFBS
PFHxS = 18O2 PFHxS
PFOS = 13C4 PFOS
PFOSA = 13C8 FOSA
d3NMFOS = d3-NMeFOSAA
d5NEFOS = d5-NEtFOSAA
dMeFOSA = d-N-MeFOSA-M
dEtFOSA = d-N-EtFOSA-M
NMFM = d7-N-MeFOSE-M
NEFM = d9-N-EtFOSE-M
M242FTS = M2-4:2 FTS
M262FTS = M2-6:2 FTS
M282FTS = M2-8:2 FTS
HFPODA = 13C3 HFPO-DA
M102FTS = 13C2 10:2 FTS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

August 11, 2021

Susan Petrofske
Ramboll US Consulting, Inc.
234 West Florida St.
5th floor
Milwaukee, WI 53204

RE: Project: 1690019558 MIRRO PLANT 20
Pace Project No.: 10573629

Dear Susan Petrofske:

Enclosed are the analytical results for sample(s) received by the laboratory on August 07, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Minneapolis

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Carolynne Trout

Carolynne Trout
carolynne.trout@pacelabs.com
1(612)607-6351
Project Manager

Enclosures

cc: Paul Lindquist, Ramboll US Consulting, Inc.

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Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

CERTIFICATIONS

Project: 1690019558 MIRRO PLANT 20
Pace Project No.: 10573629

Pace Analytical Services, LLC - Minneapolis MN
1700 Elm Street SE, Minneapolis, MN 55414
A2LA Certification #: 2926.01*
1800 Elm Street SE, Minneapolis, MN 55414--Satellite Air Lab
Alabama Certification #: 40770
Alaska Contaminated Sites Certification #: 17-009*
Alaska DW Certification #: MN00064
Arizona Certification #: AZ0014*
Arkansas DW Certification #: MN00064
Arkansas WW Certification #: 88-0680
California Certification #: 2929
Colorado Certification #: MN00064
Connecticut Certification #: PH-0256
EPA Region 8 Tribal Water Systems+Wyoming DW Certification #: via MN 027-053-137
Florida Certification #: E87605*
Georgia Certification #: 959
Hawaii Certification #: MN00064
Idaho Certification #: MN00064
Illinois Certification #: 200011
Indiana Certification #: C-MN-01
Iowa Certification #: 368
Kansas Certification #: E-10167
Kentucky DW Certification #: 90062
Kentucky WW Certification #: 90062
Louisiana DEQ Certification #: AI-03086*
Louisiana DW Certification #: MN00064
Maine Certification #: MN00064*
Maryland Certification #: 322
Michigan Certification #: 9909
Minnesota Certification #: 027-053-137*
Minnesota Dept of Ag Approval: via MN 027-053-137
Minnesota Petrofund Registration #: 1240*
Mississippi Certification #: MN00064
Missouri Certification #: 10100
Montana Certification #: CERT0092
Nebraska Certification #: NE-OS-18-06
Nevada Certification #: MN00064
New Hampshire Certification #: 2081*
New Jersey Certification #: MN002
New York Certification #: 11647*
North Carolina DW Certification #: 27700
North Carolina WW Certification #: 530
North Dakota Certification #: R-036
Ohio DW Certification #: 41244
Ohio VAP Certification (1700) #: CL101
Ohio VAP Certification (1800) #: CL110*
Oklahoma Certification #: 9507*
Oregon Primary Certification #: MN300001
Oregon Secondary Certification #: MN200001*
Pennsylvania Certification #: 68-00563*
Puerto Rico Certification #: MN00064
South Carolina Certification #:74003001
Tennessee Certification #: TN02818
Texas Certification #: T104704192*
Utah Certification #: MN00064*
Vermont Certification #: VT-027053137
Virginia Certification #: 460163*
Washington Certification #: C486*
West Virginia DEP Certification #: 382
West Virginia DW Certification #: 9952 C
Wisconsin Certification #: 999407970
Wyoming UST Certification #: via A2LA 2926.01
USDA Permit #: P330-19-00208
*Please Note: Applicable air certifications are denoted with an asterisk (*).

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SAMPLE SUMMARY

Project: 1690019558 MIRRO PLANT 20
Pace Project No.: 10573629

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10573629001	**IA-B-1**	Air	08/06/21 13:25	08/07/21 09:00
10573629002	**IA-B-1 Cert#0838**	Air		08/07/21 09:00
10573629003	**IA-B-2**	Air	08/06/21 13:27	08/07/21 09:00
10573629004	**IA-B-2 Cert#2135**	Air		08/07/21 09:00
10573629005	**IA-B-3**	Air	08/06/21 13:29	08/07/21 09:00
10573629006	**IA-B-3 Cert#2052**	Air		08/07/21 09:00
10573629007	**OA**	Air	08/06/21 13:31	08/07/21 09:00
10573629008	**OA Cert#2035**	Air		08/07/21 09:00
10573629009	**VP-1**	Air	08/06/21 14:21	08/07/21 09:00
10573629010	**VP-1 Cert#0240**	Air		08/07/21 09:00
10573629011	**VP-2**	Air	08/06/21 14:52	08/07/21 09:00
10573629012	**VP-2 Cert#0224**	Air		08/07/21 09:00
10573629013	**VP-3**	Air	08/06/21 14:22	08/07/21 09:00
10573629014	**VP-3 Cert#0326**	Air		08/07/21 09:00
10573629015	**VP-4**	Air	08/06/21 15:04	08/07/21 09:00
10573629016	**VP-4 Cert#1750**	Air		08/07/21 09:00

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 1690019558 MIRRO PLANT 20
Pace Project No.: 10573629

Lab ID	Sample ID	Method	Analysts	Analytes Reported
10573629001	**IA-B-1**	TO-15	MJL	18
10573629002	**IA-B-1 Cert#0838**	TO-15	EMC	18
10573629003	**IA-B-2**	TO-15	MJL	18
10573629004	**IA-B-2 Cert#2135**	TO-15	GT	18
10573629005	**IA-B-3**	TO-15	MJL	18
10573629006	**IA-B-3 Cert#2052**	TO-15	EMC	18
10573629007	**OA**	TO-15	MJL	18
10573629008	**OA Cert#2035**	TO-15	GT	18
10573629009	**VP-1**	TO-15	MJL	18
10573629010	**VP-1 Cert#0240**	TO-15	HMH	18
10573629011	**VP-2**	TO-15	MJL	18
10573629012	**VP-2 Cert#0224**	TO-15	AFV	18
10573629013	**VP-3**	TO-15	MJL	18
10573629014	**VP-3 Cert#0326**	TO-15	AFV	18
10573629015	**VP-4**	TO-15	MJL	18
10573629016	**VP-4 Cert#1750**	TO-15	AFV	18

PASI-M = Pace Analytical Services - Minneapolis

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PROJECT NARRATIVE

Project: 1690019558 MIRRO PLANT 20
Pace Project No.: 10573629

Method: **TO-15**
Description: TO15 MSV AIR
Client: Ramboll Environ- WI AIR
Date: August 11, 2021

General Information:
8 samples were analyzed for TO-15 by Pace Analytical Services Minneapolis. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: 1690019558 MIRRO PLANT 20
Pace Project No.: 10573629

Method: **TO-15**
Description: Individual Can Certification
Client: Ramboll Environ- WI AIR
Date: August 11, 2021

General Information:
8 samples were analyzed for TO-15 by Pace Analytical Services Minneapolis. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

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ANALYTICAL RESULTS

Project: 1690019558 MIRRO PLANT 20
Pace Project No.: 10573629

Sample: IA-B-1 **Lab ID: 10573629001** Collected: 08/06/21 13:25 Received: 08/07/21 09:00 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15 Pace Analytical Services - Minneapolis								
Benzene	**1.4**	ug/m3	0.50	0.18	1.55		08/09/21 14:30	71-43-2	
1,2-Dichloroethane	**<0.30**	ug/m3	1.3	0.30	1.55		08/09/21 14:30	107-06-2	
1,1-Dichloroethene	**<0.21**	ug/m3	1.2	0.21	1.55		08/09/21 14:30	75-35-4	
cis-1,2-Dichloroethene	**0.32J**	ug/m3	1.2	0.30	1.55		08/09/21 14:30	156-59-2	
trans-1,2-Dichloroethene	**<0.26**	ug/m3	1.2	0.26	1.55		08/09/21 14:30	156-60-5	
Ethylbenzene	**1.3J**	ug/m3	1.4	0.48	1.55		08/09/21 14:30	100-41-4	
Methyl-tert-butyl ether	**<0.20**	ug/m3	5.7	0.20	1.55		08/09/21 14:30	1634-04-4	
Naphthalene	**<3.4**	ug/m3	4.1	3.4	1.55		08/09/21 14:30	91-20-3	
Tetrachloroethene	**2.7**	ug/m3	1.1	0.45	1.55		08/09/21 14:30	127-18-4	
Toluene	**6.1**	ug/m3	1.2	0.38	1.55		08/09/21 14:30	108-88-3	
1,1,1-Trichloroethane	**<0.29**	ug/m3	1.7	0.29	1.55		08/09/21 14:30	71-55-6	
Trichloroethene	**<0.30**	ug/m3	0.85	0.30	1.55		08/09/21 14:30	79-01-6	
1,2,4-Trimethylbenzene	**2.7**	ug/m3	1.5	0.55	1.55		08/09/21 14:30	95-63-6	
1,3,5-Trimethylbenzene	**1.3J**	ug/m3	1.5	0.45	1.55		08/09/21 14:30	108-67-8	
Vinyl chloride	**<0.13**	ug/m3	0.40	0.13	1.55		08/09/21 14:30	75-01-4	
Xylene (Total)	**6.3**	ug/m3	4.1	1.0	1.55		08/09/21 14:30	1330-20-7	
m&p-Xylene	**4.2**	ug/m3	2.7	1.0	1.55		08/09/21 14:30	179601-23-1	
o-Xylene	**2.1**	ug/m3	1.4	0.42	1.55		08/09/21 14:30	95-47-6	

Sample: IA-B-1 Cert#0838 **Lab ID: 10573629002** Collected: Received: 08/07/21 09:00 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Individual Can Certification	Analytical Method: TO-15 Pace Analytical Services - Minneapolis								
Benzene	**<0.11**	ug/m3	0.32	0.11	1		07/23/21 11:33	71-43-2	
1,2-Dichloroethane	**<0.19**	ug/m3	0.82	0.19	1		07/23/21 11:33	107-06-2	
1,1-Dichloroethene	**<0.14**	ug/m3	0.81	0.14	1		07/23/21 11:33	75-35-4	
cis-1,2-Dichloroethene	**<0.20**	ug/m3	0.81	0.20	1		07/23/21 11:33	156-59-2	
trans-1,2-Dichloroethene	**<0.17**	ug/m3	0.81	0.17	1		07/23/21 11:33	156-60-5	
Ethylbenzene	**<0.31**	ug/m3	0.88	0.31	1		07/23/21 11:33	100-41-4	
Methyl-tert-butyl ether	**<0.13**	ug/m3	3.7	0.13	1		07/23/21 11:33	1634-04-4	
Naphthalene	**<2.2**	ug/m3	2.7	2.2	1		07/23/21 11:33	91-20-3	
Tetrachloroethene	**<0.29**	ug/m3	0.69	0.29	1		07/23/21 11:33	127-18-4	
Toluene	**<0.24**	ug/m3	0.77	0.24	1		07/23/21 11:33	108-88-3	
1,1,1-Trichloroethane	**<0.19**	ug/m3	1.1	0.19	1		07/23/21 11:33	71-55-6	
Trichloroethene	**<0.20**	ug/m3	0.55	0.20	1		07/23/21 11:33	79-01-6	
1,2,4-Trimethylbenzene	**<0.35**	ug/m3	1.0	0.35	1		07/23/21 11:33	95-63-6	
1,3,5-Trimethylbenzene	**<0.29**	ug/m3	1.0	0.29	1		07/23/21 11:33	108-67-8	
Vinyl chloride	**<0.087**	ug/m3	0.26	0.087	1		07/23/21 11:33	75-01-4	
Xylene (Total)	**<0.64**	ug/m3	2.6	0.64	1		07/23/21 11:33	1330-20-7	
m&p-Xylene	**<0.64**	ug/m3	1.8	0.64	1		07/23/21 11:33	179601-23-1	
o-Xylene	**<0.27**	ug/m3	0.88	0.27	1		07/23/21 11:33	95-47-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1690019558 MIRRO PLANT 20
Pace Project No.: 10573629

Sample: IA-B-2 **Lab ID: 10573629003** Collected: 08/06/21 13:27 Received: 08/07/21 09:00 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15 Pace Analytical Services - Minneapolis								
Benzene	**1.3**	ug/m3	0.48	0.17	1.49		08/09/21 15:05	71-43-2	
1,2-Dichloroethane	**<0.29**	ug/m3	1.2	0.29	1.49		08/09/21 15:05	107-06-2	
1,1-Dichloroethene	**<0.21**	ug/m3	1.2	0.21	1.49		08/09/21 15:05	75-35-4	
cis-1,2-Dichloroethene	**<0.29**	ug/m3	1.2	0.29	1.49		08/09/21 15:05	156-59-2	
trans-1,2-Dichloroethene	**<0.25**	ug/m3	1.2	0.25	1.49		08/09/21 15:05	156-60-5	
Ethylbenzene	**1.4**	ug/m3	1.3	0.46	1.49		08/09/21 15:05	100-41-4	
Methyl-tert-butyl ether	**<0.19**	ug/m3	5.5	0.19	1.49		08/09/21 15:05	1634-04-4	
Naphthalene	**3.3J**	ug/m3	4.0	3.2	1.49		08/09/21 15:05	91-20-3	
Tetrachloroethene	**1.8**	ug/m3	1.0	0.44	1.49		08/09/21 15:05	127-18-4	
Toluene	**6.7**	ug/m3	1.1	0.36	1.49		08/09/21 15:05	108-88-3	
1,1,1-Trichloroethane	**<0.28**	ug/m3	1.7	0.28	1.49		08/09/21 15:05	71-55-6	
Trichloroethene	**<0.29**	ug/m3	0.81	0.29	1.49		08/09/21 15:05	79-01-6	
1,2,4-Trimethylbenzene	**3.4**	ug/m3	1.5	0.53	1.49		08/09/21 15:05	95-63-6	
1,3,5-Trimethylbenzene	**1.8**	ug/m3	1.5	0.43	1.49		08/09/21 15:05	108-67-8	
Vinyl chloride	**<0.13**	ug/m3	0.39	0.13	1.49		08/09/21 15:05	75-01-4	
Xylene (Total)	**6.7**	ug/m3	3.9	0.96	1.49		08/09/21 15:05	1330-20-7	
m&p-Xylene	**4.5**	ug/m3	2.6	0.96	1.49		08/09/21 15:05	179601-23-1	
o-Xylene	**2.1**	ug/m3	1.3	0.40	1.49		08/09/21 15:05	95-47-6	

Sample: IA-B-2 Cert#2135 **Lab ID: 10573629004** Collected: Received: 08/07/21 09:00 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Individual Can Certification	Analytical Method: TO-15 Pace Analytical Services - Minneapolis								
Benzene	**<0.057**	ug/m3	0.16	0.057	0.5		07/21/21 18:14	71-43-2	
1,2-Dichloroethane	**<0.097**	ug/m3	0.41	0.097	0.5		07/21/21 18:14	107-06-2	
1,1-Dichloroethene	**<0.069**	ug/m3	0.40	0.069	0.5		07/21/21 18:14	75-35-4	
cis-1,2-Dichloroethene	**<0.098**	ug/m3	0.40	0.098	0.5		07/21/21 18:14	156-59-2	
trans-1,2-Dichloroethene	**<0.084**	ug/m3	0.40	0.084	0.5		07/21/21 18:14	156-60-5	
Ethylbenzene	**<0.15**	ug/m3	0.44	0.15	0.5		07/21/21 18:14	100-41-4	
Methyl-tert-butyl ether	**<0.063**	ug/m3	1.8	0.063	0.5		07/21/21 18:14	1634-04-4	
Naphthalene	**<1.1**	ug/m3	1.3	1.1	0.5		07/21/21 18:14	91-20-3	
Tetrachloroethene	**<0.15**	ug/m3	0.34	0.15	0.5		07/21/21 18:14	127-18-4	
Toluene	**<0.12**	ug/m3	0.38	0.12	0.5		07/21/21 18:14	108-88-3	
1,1,1-Trichloroethane	**<0.093**	ug/m3	0.56	0.093	0.5		07/21/21 18:14	71-55-6	
Trichloroethene	**<0.098**	ug/m3	0.27	0.098	0.5		07/21/21 18:14	79-01-6	
1,2,4-Trimethylbenzene	**<0.18**	ug/m3	0.50	0.18	0.5		07/21/21 18:14	95-63-6	
1,3,5-Trimethylbenzene	**<0.14**	ug/m3	0.50	0.14	0.5		07/21/21 18:14	108-67-8	
Vinyl chloride	**<0.043**	ug/m3	0.13	0.043	0.5		07/21/21 18:14	75-01-4	
Xylene (Total)	**<0.32**	ug/m3	1.3	0.32	0.5		07/21/21 18:14	1330-20-7	
m&p-Xylene	**<0.32**	ug/m3	0.88	0.32	0.5		07/21/21 18:14	179601-23-1	
o-Xylene	**<0.14**	ug/m3	0.44	0.14	0.5		07/21/21 18:14	95-47-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1690019558 MIRRO PLANT 20
Pace Project No.: 10573629

Sample: IA-B-3 **Lab ID: 10573629005** Collected: 08/06/21 13:29 Received: 08/07/21 09:00 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15 Pace Analytical Services - Minneapolis								
Benzene	**1.3**	ug/m3	0.50	0.18	1.55		08/09/21 15:41	71-43-2	
1,2-Dichloroethane	**<0.30**	ug/m3	1.3	0.30	1.55		08/09/21 15:41	107-06-2	
1,1-Dichloroethene	**<0.21**	ug/m3	1.2	0.21	1.55		08/09/21 15:41	75-35-4	
cis-1,2-Dichloroethene	**<0.30**	ug/m3	1.2	0.30	1.55		08/09/21 15:41	156-59-2	
trans-1,2-Dichloroethene	**<0.26**	ug/m3	1.2	0.26	1.55		08/09/21 15:41	156-60-5	
Ethylbenzene	**1.5**	ug/m3	1.4	0.48	1.55		08/09/21 15:41	100-41-4	
Methyl-tert-butyl ether	**<0.20**	ug/m3	5.7	0.20	1.55		08/09/21 15:41	1634-04-4	
Naphthalene	**<3.4**	ug/m3	4.1	3.4	1.55		08/09/21 15:41	91-20-3	
Tetrachloroethene	**1.3**	ug/m3	1.1	0.45	1.55		08/09/21 15:41	127-18-4	
Toluene	**7.4**	ug/m3	1.2	0.38	1.55		08/09/21 15:41	108-88-3	
1,1,1-Trichloroethane	**<0.29**	ug/m3	1.7	0.29	1.55		08/09/21 15:41	71-55-6	
Trichloroethene	**<0.30**	ug/m3	0.85	0.30	1.55		08/09/21 15:41	79-01-6	
1,2,4-Trimethylbenzene	**4.0**	ug/m3	1.5	0.55	1.55		08/09/21 15:41	95-63-6	
1,3,5-Trimethylbenzene	**1.7**	ug/m3	1.5	0.45	1.55		08/09/21 15:41	108-67-8	
Vinyl chloride	**<0.13**	ug/m3	0.40	0.13	1.55		08/09/21 15:41	75-01-4	
Xylene (Total)	**7.6**	ug/m3	4.1	1.0	1.55		08/09/21 15:41	1330-20-7	
m&p-Xylene	**5.1**	ug/m3	2.7	1.0	1.55		08/09/21 15:41	179601-23-1	
o-Xylene	**2.5**	ug/m3	1.4	0.42	1.55		08/09/21 15:41	95-47-6	

Sample: IA-B-3 Cert#2052 **Lab ID: 10573629006** Collected: Received: 08/07/21 09:00 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Individual Can Certification	Analytical Method: TO-15 Pace Analytical Services - Minneapolis								
Benzene	**<0.11**	ug/m3	0.32	0.11	1		07/27/21 11:19	71-43-2	
1,2-Dichloroethane	**<0.19**	ug/m3	0.82	0.19	1		07/27/21 11:19	107-06-2	
1,1-Dichloroethene	**<0.14**	ug/m3	0.81	0.14	1		07/27/21 11:19	75-35-4	
cis-1,2-Dichloroethene	**<0.20**	ug/m3	0.81	0.20	1		07/27/21 11:19	156-59-2	
trans-1,2-Dichloroethene	**<0.17**	ug/m3	0.81	0.17	1		07/27/21 11:19	156-60-5	
Ethylbenzene	**<0.31**	ug/m3	0.88	0.31	1		07/27/21 11:19	100-41-4	
Methyl-tert-butyl ether	**<0.13**	ug/m3	3.7	0.13	1		07/27/21 11:19	1634-04-4	
Naphthalene	**<2.2**	ug/m3	2.7	2.2	1		07/27/21 11:19	91-20-3	
Tetrachloroethene	**<0.29**	ug/m3	0.69	0.29	1		07/27/21 11:19	127-18-4	
Toluene	**<0.24**	ug/m3	0.77	0.24	1		07/27/21 11:19	108-88-3	
1,1,1-Trichloroethane	**<0.19**	ug/m3	1.1	0.19	1		07/27/21 11:19	71-55-6	
Trichloroethene	**<0.20**	ug/m3	0.55	0.20	1		07/27/21 11:19	79-01-6	
1,2,4-Trimethylbenzene	**<0.35**	ug/m3	1.0	0.35	1		07/27/21 11:19	95-63-6	
1,3,5-Trimethylbenzene	**<0.29**	ug/m3	1.0	0.29	1		07/27/21 11:19	108-67-8	
Vinyl chloride	**<0.087**	ug/m3	0.26	0.087	1		07/27/21 11:19	75-01-4	
Xylene (Total)	**<0.64**	ug/m3	2.6	0.64	1		07/27/21 11:19	1330-20-7	
m&p-Xylene	**<0.64**	ug/m3	1.8	0.64	1		07/27/21 11:19	179601-23-1	
o-Xylene	**<0.27**	ug/m3	0.88	0.27	1		07/27/21 11:19	95-47-6	

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ANALYTICAL RESULTS

Project: 1690019558 MIRRO PLANT 20
Pace Project No.: 10573629

Sample: OA **Lab ID: 10573629007** Collected: 08/06/21 13:31 Received: 08/07/21 09:00 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15 Pace Analytical Services - Minneapolis								
Benzene	**0.39J**	ug/m3	0.52	0.18	1.61		08/09/21 16:17	71-43-2	
1,2-Dichloroethane	**<0.31**	ug/m3	1.3	0.31	1.61		08/09/21 16:17	107-06-2	
1,1-Dichloroethene	**<0.22**	ug/m3	1.3	0.22	1.61		08/09/21 16:17	75-35-4	
cis-1,2-Dichloroethene	**<0.31**	ug/m3	1.3	0.31	1.61		08/09/21 16:17	156-59-2	
trans-1,2-Dichloroethene	**<0.27**	ug/m3	1.3	0.27	1.61		08/09/21 16:17	156-60-5	
Ethylbenzene	**<0.50**	ug/m3	1.4	0.50	1.61		08/09/21 16:17	100-41-4	
Methyl-tert-butyl ether	**<0.20**	ug/m3	5.9	0.20	1.61		08/09/21 16:17	1634-04-4	
Naphthalene	**<3.5**	ug/m3	4.3	3.5	1.61		08/09/21 16:17	91-20-3	
Tetrachloroethene	**<0.47**	ug/m3	1.1	0.47	1.61		08/09/21 16:17	127-18-4	
Toluene	**0.50J**	ug/m3	1.2	0.39	1.61		08/09/21 16:17	108-88-3	
1,1,1-Trichloroethane	**<0.30**	ug/m3	1.8	0.30	1.61		08/09/21 16:17	71-55-6	
Trichloroethene	**<0.32**	ug/m3	0.88	0.32	1.61		08/09/21 16:17	79-01-6	
1,2,4-Trimethylbenzene	**<0.57**	ug/m3	1.6	0.57	1.61		08/09/21 16:17	95-63-6	
1,3,5-Trimethylbenzene	**<0.47**	ug/m3	1.6	0.47	1.61		08/09/21 16:17	108-67-8	
Vinyl chloride	**<0.14**	ug/m3	0.42	0.14	1.61		08/09/21 16:17	75-01-4	
Xylene (Total)	**<1.0**	ug/m3	4.3	1.0	1.61		08/09/21 16:17	1330-20-7	
m&p-Xylene	**<1.0**	ug/m3	2.8	1.0	1.61		08/09/21 16:17	179601-23-1	
o-Xylene	**<0.44**	ug/m3	1.4	0.44	1.61		08/09/21 16:17	95-47-6	

Sample: OA Cert#2035 **Lab ID: 10573629008** Collected: Received: 08/07/21 09:00 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Individual Can Certification	Analytical Method: TO-15 Pace Analytical Services - Minneapolis								
Benzene	**<0.057**	ug/m3	0.16	0.057	0.5		07/26/21 10:00	71-43-2	
1,2-Dichloroethane	**<0.097**	ug/m3	0.41	0.097	0.5		07/26/21 10:00	107-06-2	
1,1-Dichloroethene	**<0.069**	ug/m3	0.40	0.069	0.5		07/26/21 10:00	75-35-4	
cis-1,2-Dichloroethene	**<0.098**	ug/m3	0.40	0.098	0.5		07/26/21 10:00	156-59-2	
trans-1,2-Dichloroethene	**<0.084**	ug/m3	0.40	0.084	0.5		07/26/21 10:00	156-60-5	
Ethylbenzene	**<0.15**	ug/m3	0.44	0.15	0.5		07/26/21 10:00	100-41-4	
Methyl-tert-butyl ether	**<0.063**	ug/m3	1.8	0.063	0.5		07/26/21 10:00	1634-04-4	
Naphthalene	**<1.1**	ug/m3	1.3	1.1	0.5		07/26/21 10:00	91-20-3	
Tetrachloroethene	**0.16J**	ug/m3	0.34	0.15	0.5		07/26/21 10:00	127-18-4	
Toluene	**<0.12**	ug/m3	0.38	0.12	0.5		07/26/21 10:00	108-88-3	
1,1,1-Trichloroethane	**<0.093**	ug/m3	0.56	0.093	0.5		07/26/21 10:00	71-55-6	
Trichloroethene	**<0.098**	ug/m3	0.27	0.098	0.5		07/26/21 10:00	79-01-6	
1,2,4-Trimethylbenzene	**<0.18**	ug/m3	0.50	0.18	0.5		07/26/21 10:00	95-63-6	
1,3,5-Trimethylbenzene	**<0.14**	ug/m3	0.50	0.14	0.5		07/26/21 10:00	108-67-8	
Vinyl chloride	**<0.043**	ug/m3	0.13	0.043	0.5		07/26/21 10:00	75-01-4	
Xylene (Total)	**<0.32**	ug/m3	1.3	0.32	0.5		07/26/21 10:00	1330-20-7	
m&p-Xylene	**<0.32**	ug/m3	0.88	0.32	0.5		07/26/21 10:00	179601-23-1	
o-Xylene	**<0.14**	ug/m3	0.44	0.14	0.5		07/26/21 10:00	95-47-6	

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ANALYTICAL RESULTS

Project: 1690019558 MIRRO PLANT 20
Pace Project No.: 10573629

Sample: VP-1 **Lab ID: 10573629009** Collected: 08/06/21 14:21 Received: 08/07/21 09:00 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15 Pace Analytical Services - Minneapolis								
Benzene	**<3.4**	ug/m3	9.7	3.4	29.8		08/09/21 18:25	71-43-2	
1,2-Dichloroethane	**<5.8**	ug/m3	24.5	5.8	29.8		08/09/21 18:25	107-06-2	
1,1-Dichloroethene	**<4.1**	ug/m3	24.0	4.1	29.8		08/09/21 18:25	75-35-4	
cis-1,2-Dichloroethene	**<5.8**	ug/m3	24.0	5.8	29.8		08/09/21 18:25	156-59-2	
trans-1,2-Dichloroethene	**<5.0**	ug/m3	24.0	5.0	29.8		08/09/21 18:25	156-60-5	
Ethylbenzene	**<9.2**	ug/m3	26.3	9.2	29.8		08/09/21 18:25	100-41-4	
Methyl-tert-butyl ether	**<3.8**	ug/m3	109	3.8	29.8		08/09/21 18:25	1634-04-4	
Naphthalene	**<64.7**	ug/m3	79.3	64.7	29.8		08/09/21 18:25	91-20-3	
Tetrachloroethene	**1220**	ug/m3	20.5	8.7	29.8		08/09/21 18:25	127-18-4	
Toluene	**<7.3**	ug/m3	22.8	7.3	29.8		08/09/21 18:25	108-88-3	
1,1,1-Trichloroethane	**45.9**	ug/m3	33.1	5.5	29.8		08/09/21 18:25	71-55-6	
Trichloroethene	**<5.8**	ug/m3	16.3	5.8	29.8		08/09/21 18:25	79-01-6	
1,2,4-Trimethylbenzene	**<10.5**	ug/m3	29.8	10.5	29.8		08/09/21 18:25	95-63-6	
1,3,5-Trimethylbenzene	**<8.6**	ug/m3	29.8	8.6	29.8		08/09/21 18:25	108-67-8	
Vinyl chloride	**<2.6**	ug/m3	7.7	2.6	29.8		08/09/21 18:25	75-01-4	
Xylene (Total)	**<19.1**	ug/m3	79.0	19.1	29.8		08/09/21 18:25	1330-20-7	
m&p-Xylene	**<19.1**	ug/m3	52.7	19.1	29.8		08/09/21 18:25	179601-23-1	
o-Xylene	**<8.1**	ug/m3	26.3	8.1	29.8		08/09/21 18:25	95-47-6	

Sample: VP-1 Cert#0240 **Lab ID: 10573629010** Collected: Received: 08/07/21 09:00 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Individual Can Certification	Analytical Method: TO-15 Pace Analytical Services - Minneapolis								
Benzene	**<0.11**	ug/m3	0.32	0.11	1		07/28/21 10:47	71-43-2	
1,2-Dichloroethane	**<0.19**	ug/m3	0.82	0.19	1		07/28/21 10:47	107-06-2	
1,1-Dichloroethene	**<0.14**	ug/m3	0.81	0.14	1		07/28/21 10:47	75-35-4	
cis-1,2-Dichloroethene	**<0.20**	ug/m3	0.81	0.20	1		07/28/21 10:47	156-59-2	
trans-1,2-Dichloroethene	**<0.17**	ug/m3	0.81	0.17	1		07/28/21 10:47	156-60-5	
Ethylbenzene	**<0.31**	ug/m3	2.2	0.31	1		07/28/21 10:47	100-41-4	
Methyl-tert-butyl ether	**<0.13**	ug/m3	3.7	0.13	1		07/28/21 10:47	1634-04-4	
Naphthalene	**<2.2**	ug/m3	2.7	2.2	1		07/28/21 10:47	91-20-3	
Tetrachloroethene	**<0.29**	ug/m3	0.69	0.29	1		07/28/21 10:47	127-18-4	
Toluene	**<0.24**	ug/m3	0.77	0.24	1		07/28/21 10:47	108-88-3	
1,1,1-Trichloroethane	**<0.19**	ug/m3	1.1	0.19	1		07/28/21 10:47	71-55-6	
Trichloroethene	**<0.20**	ug/m3	0.55	0.20	1		07/28/21 10:47	79-01-6	
1,2,4-Trimethylbenzene	**<0.35**	ug/m3	1.0	0.35	1		07/28/21 10:47	95-63-6	
1,3,5-Trimethylbenzene	**<0.29**	ug/m3	1.0	0.29	1		07/28/21 10:47	108-67-8	
Vinyl chloride	**<0.087**	ug/m3	0.26	0.087	1		07/28/21 10:47	75-01-4	
Xylene (Total)	**<0.64**	ug/m3	2.6	0.64	1		07/28/21 10:47	1330-20-7	
m&p-Xylene	**<0.64**	ug/m3	1.8	0.64	1		07/28/21 10:47	179601-23-1	
o-Xylene	**<0.27**	ug/m3	0.88	0.27	1		07/28/21 10:47	95-47-6	

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ANALYTICAL RESULTS

Project: 1690019558 MIRRO PLANT 20
Pace Project No.: 10573629

Sample: VP-2 **Lab ID: 10573629011** Collected: 08/06/21 14:52 Received: 08/07/21 09:00 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15 Pace Analytical Services - Minneapolis								
Benzene	**<1.8**	ug/m3	5.2	1.8	16.1		08/09/21 17:54	71-43-2	
1,2-Dichloroethane	**<3.1**	ug/m3	13.3	3.1	16.1		08/09/21 17:54	107-06-2	
1,1-Dichloroethene	**<2.2**	ug/m3	13.0	2.2	16.1		08/09/21 17:54	75-35-4	
cis-1,2-Dichloroethene	**<3.1**	ug/m3	13.0	3.1	16.1		08/09/21 17:54	156-59-2	
trans-1,2-Dichloroethene	**<2.7**	ug/m3	13.0	2.7	16.1		08/09/21 17:54	156-60-5	
Ethylbenzene	**<5.0**	ug/m3	14.2	5.0	16.1		08/09/21 17:54	100-41-4	
Methyl-tert-butyl ether	**<2.0**	ug/m3	58.9	2.0	16.1		08/09/21 17:54	1634-04-4	
Naphthalene	**<34.9**	ug/m3	42.8	34.9	16.1		08/09/21 17:54	91-20-3	
Tetrachloroethene	**878**	ug/m3	11.1	4.7	16.1		08/09/21 17:54	127-18-4	
Toluene	**<3.9**	ug/m3	12.3	3.9	16.1		08/09/21 17:54	108-88-3	
1,1,1-Trichloroethane	**40.1**	ug/m3	17.9	3.0	16.1		08/09/21 17:54	71-55-6	
Trichloroethene	**<3.2**	ug/m3	8.8	3.2	16.1		08/09/21 17:54	79-01-6	
1,2,4-Trimethylbenzene	**<5.7**	ug/m3	16.1	5.7	16.1		08/09/21 17:54	95-63-6	
1,3,5-Trimethylbenzene	**<4.7**	ug/m3	16.1	4.7	16.1		08/09/21 17:54	108-67-8	
Vinyl chloride	**<1.4**	ug/m3	4.2	1.4	16.1		08/09/21 17:54	75-01-4	
Xylene (Total)	**<10.3**	ug/m3	42.7	10.3	16.1		08/09/21 17:54	1330-20-7	
m&p-Xylene	**<10.3**	ug/m3	28.5	10.3	16.1		08/09/21 17:54	179601-23-1	
o-Xylene	**<4.4**	ug/m3	14.2	4.4	16.1		08/09/21 17:54	95-47-6	

Sample: VP-2 Cert#0224 **Lab ID: 10573629012** Collected: Received: 08/07/21 09:00 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Individual Can Certification	Analytical Method: TO-15 Pace Analytical Services - Minneapolis								
Benzene	**<0.11**	ug/m3	0.32	0.11	1		07/22/21 12:24	71-43-2	
1,2-Dichloroethane	**<0.19**	ug/m3	0.82	0.19	1		07/22/21 12:24	107-06-2	
1,1-Dichloroethene	**<0.14**	ug/m3	0.81	0.14	1		07/22/21 12:24	75-35-4	
cis-1,2-Dichloroethene	**<0.20**	ug/m3	0.81	0.20	1		07/22/21 12:24	156-59-2	
trans-1,2-Dichloroethene	**<0.17**	ug/m3	0.81	0.17	1		07/22/21 12:24	156-60-5	
Ethylbenzene	**<0.31**	ug/m3	0.88	0.31	1		07/22/21 12:24	100-41-4	
Methyl-tert-butyl ether	**<0.13**	ug/m3	3.7	0.13	1		07/22/21 12:24	1634-04-4	
Naphthalene	**<2.2**	ug/m3	2.7	2.2	1		07/22/21 12:24	91-20-3	
Tetrachloroethene	**0.53J**	ug/m3	0.69	0.29	1		07/22/21 12:24	127-18-4	
Toluene	**<0.24**	ug/m3	1.9	0.24	1		07/22/21 12:24	108-88-3	
1,1,1-Trichloroethane	**<0.19**	ug/m3	1.1	0.19	1		07/22/21 12:24	71-55-6	
Trichloroethene	**<0.20**	ug/m3	1.1	0.20	1		07/22/21 12:24	79-01-6	
1,2,4-Trimethylbenzene	**<0.35**	ug/m3	1.0	0.35	1		07/22/21 12:24	95-63-6	
1,3,5-Trimethylbenzene	**<0.29**	ug/m3	1.0	0.29	1		07/22/21 12:24	108-67-8	
Vinyl chloride	**<0.087**	ug/m3	0.52	0.087	1		07/22/21 12:24	75-01-4	
Xylene (Total)	**<0.64**	ug/m3	2.6	0.64	1		07/22/21 12:24	1330-20-7	
m&p-Xylene	**<0.64**	ug/m3	1.8	0.64	1		07/22/21 12:24	179601-23-1	
o-Xylene	**<0.27**	ug/m3	0.88	0.27	1		07/22/21 12:24	95-47-6	

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ANALYTICAL RESULTS

Project: 1690019558 MIRRO PLANT 20
Pace Project No.: 10573629

Sample: VP-3 **Lab ID: 10573629013** Collected: 08/06/21 14:22 Received: 08/07/21 09:00 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15 Pace Analytical Services - Minneapolis								
Benzene	**<0.83**	ug/m3	2.4	0.83	7.3		08/09/21 17:23	71-43-2	
1,2-Dichloroethane	**<1.4**	ug/m3	6.0	1.4	7.3		08/09/21 17:23	107-06-2	
1,1-Dichloroethene	**<1.0**	ug/m3	5.9	1.0	7.3		08/09/21 17:23	75-35-4	
cis-1,2-Dichloroethene	**<1.4**	ug/m3	5.9	1.4	7.3		08/09/21 17:23	156-59-2	
trans-1,2-Dichloroethene	**<1.2**	ug/m3	5.9	1.2	7.3		08/09/21 17:23	156-60-5	
Ethylbenzene	**<2.3**	ug/m3	6.4	2.3	7.3		08/09/21 17:23	100-41-4	
Methyl-tert-butyl ether	**<0.92**	ug/m3	26.7	0.92	7.3		08/09/21 17:23	1634-04-4	
Naphthalene	**<15.8**	ug/m3	19.4	15.8	7.3		08/09/21 17:23	91-20-3	
Tetrachloroethene	**501**	ug/m3	5.0	2.1	7.3		08/09/21 17:23	127-18-4	
Toluene	**2.1J**	ug/m3	5.6	1.8	7.3		08/09/21 17:23	108-88-3	
1,1,1-Trichloroethane	**15.9**	ug/m3	8.1	1.4	7.3		08/09/21 17:23	71-55-6	
Trichloroethene	**<1.4**	ug/m3	4.0	1.4	7.3		08/09/21 17:23	79-01-6	
1,2,4-Trimethylbenzene	**<2.6**	ug/m3	7.3	2.6	7.3		08/09/21 17:23	95-63-6	
1,3,5-Trimethylbenzene	**2.3J**	ug/m3	7.3	2.1	7.3		08/09/21 17:23	108-67-8	
Vinyl chloride	**<0.63**	ug/m3	1.9	0.63	7.3		08/09/21 17:23	75-01-4	
Xylene (Total)	**<4.7**	ug/m3	19.3	4.7	7.3		08/09/21 17:23	1330-20-7	
m&p-Xylene	**<4.7**	ug/m3	12.9	4.7	7.3		08/09/21 17:23	179601-23-1	
o-Xylene	**<2.0**	ug/m3	6.4	2.0	7.3		08/09/21 17:23	95-47-6	

Sample: VP-3 Cert#0326 **Lab ID: 10573629014** Collected: Received: 08/07/21 09:00 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Individual Can Certification	Analytical Method: TO-15 Pace Analytical Services - Minneapolis								
Benzene	**<0.11**	ug/m3	0.32	0.11	1		07/27/21 22:43	71-43-2	
1,2-Dichloroethane	**<0.19**	ug/m3	0.82	0.19	1		07/27/21 22:43	107-06-2	
1,1-Dichloroethene	**<0.14**	ug/m3	0.81	0.14	1		07/27/21 22:43	75-35-4	
cis-1,2-Dichloroethene	**<0.20**	ug/m3	0.81	0.20	1		07/27/21 22:43	156-59-2	
trans-1,2-Dichloroethene	**<0.17**	ug/m3	0.81	0.17	1		07/27/21 22:43	156-60-5	
Ethylbenzene	**<0.31**	ug/m3	0.88	0.31	1		07/27/21 22:43	100-41-4	
Methyl-tert-butyl ether	**0.38J**	ug/m3	3.7	0.13	1		07/27/21 22:43	1634-04-4	
Naphthalene	**<2.2**	ug/m3	2.7	2.2	1		07/27/21 22:43	91-20-3	
Tetrachloroethene	**<0.29**	ug/m3	0.69	0.29	1		07/27/21 22:43	127-18-4	
Toluene	**<0.24**	ug/m3	1.9	0.24	1		07/27/21 22:43	108-88-3	
1,1,1-Trichloroethane	**<0.19**	ug/m3	1.1	0.19	1		07/27/21 22:43	71-55-6	
Trichloroethene	**<0.20**	ug/m3	1.1	0.20	1		07/27/21 22:43	79-01-6	
1,2,4-Trimethylbenzene	**<0.35**	ug/m3	1.0	0.35	1		07/27/21 22:43	95-63-6	
1,3,5-Trimethylbenzene	**<0.29**	ug/m3	1.0	0.29	1		07/27/21 22:43	108-67-8	
Vinyl chloride	**<0.087**	ug/m3	0.52	0.087	1		07/27/21 22:43	75-01-4	
Xylene (Total)	**<0.64**	ug/m3	2.6	0.64	1		07/27/21 22:43	1330-20-7	
m&p-Xylene	**<0.64**	ug/m3	1.8	0.64	1		07/27/21 22:43	179601-23-1	
o-Xylene	**<0.27**	ug/m3	0.88	0.27	1		07/27/21 22:43	95-47-6	

REPORT OF LABORATORY ANALYSIS

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1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 1690019558 MIRRO PLANT 20
Pace Project No.: 10573629

Sample: VP-4 **Lab ID: 10573629015** Collected: 08/06/21 15:04 Received: 08/07/21 09:00 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15 Pace Analytical Services - Minneapolis								
Benzene	**1.7**	ug/m3	0.48	0.17	1.49		08/09/21 16:52	71-43-2	
1,2-Dichloroethane	**<0.29**	ug/m3	1.2	0.29	1.49		08/09/21 16:52	107-06-2	
1,1-Dichloroethene	**<0.21**	ug/m3	1.2	0.21	1.49		08/09/21 16:52	75-35-4	
cis-1,2-Dichloroethene	**<0.29**	ug/m3	1.2	0.29	1.49		08/09/21 16:52	156-59-2	
trans-1,2-Dichloroethene	**<0.25**	ug/m3	1.2	0.25	1.49		08/09/21 16:52	156-60-5	
Ethylbenzene	**1.2J**	ug/m3	1.3	0.46	1.49		08/09/21 16:52	100-41-4	
Methyl-tert-butyl ether	**<0.19**	ug/m3	5.5	0.19	1.49		08/09/21 16:52	1634-04-4	
Naphthalene	**3.8J**	ug/m3	4.0	3.2	1.49		08/09/21 16:52	91-20-3	
Tetrachloroethene	**74.9**	ug/m3	1.0	0.44	1.49		08/09/21 16:52	127-18-4	
Toluene	**5.9**	ug/m3	1.1	0.36	1.49		08/09/21 16:52	108-88-3	
1,1,1-Trichloroethane	**4.6**	ug/m3	1.7	0.28	1.49		08/09/21 16:52	71-55-6	
Trichloroethene	**0.47J**	ug/m3	0.81	0.29	1.49		08/09/21 16:52	79-01-6	
1,2,4-Trimethylbenzene	**2.9**	ug/m3	1.5	0.53	1.49		08/09/21 16:52	95-63-6	
1,3,5-Trimethylbenzene	**<0.43**	ug/m3	1.5	0.43	1.49		08/09/21 16:52	108-67-8	
Vinyl chloride	**<0.13**	ug/m3	0.39	0.13	1.49		08/09/21 16:52	75-01-4	
Xylene (Total)	**7.1**	ug/m3	3.9	0.96	1.49		08/09/21 16:52	1330-20-7	
m&p-Xylene	**4.7**	ug/m3	2.6	0.96	1.49		08/09/21 16:52	179601-23-1	
o-Xylene	**2.5**	ug/m3	1.3	0.40	1.49		08/09/21 16:52	95-47-6	

Sample: VP-4 Cert#1750 **Lab ID: 10573629016** Collected: Received: 08/07/21 09:00 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Individual Can Certification	Analytical Method: TO-15 Pace Analytical Services - Minneapolis								
Benzene	**<0.057**	ug/m3	0.16	0.057	0.5		07/01/21 09:39	71-43-2	
1,2-Dichloroethane	**<0.097**	ug/m3	0.41	0.097	0.5		07/01/21 09:39	107-06-2	
1,1-Dichloroethene	**<0.069**	ug/m3	0.40	0.069	0.5		07/01/21 09:39	75-35-4	
cis-1,2-Dichloroethene	**<0.098**	ug/m3	0.40	0.098	0.5		07/01/21 09:39	156-59-2	
trans-1,2-Dichloroethene	**<0.084**	ug/m3	0.40	0.084	0.5		07/01/21 09:39	156-60-5	
Ethylbenzene	**<0.15**	ug/m3	0.44	0.15	0.5		07/01/21 09:39	100-41-4	
Methyl-tert-butyl ether	**<0.063**	ug/m3	1.8	0.063	0.5		07/01/21 09:39	1634-04-4	
Naphthalene	**<1.1**	ug/m3	1.3	1.1	0.5		07/01/21 09:39	91-20-3	
Tetrachloroethene	**<0.15**	ug/m3	0.69	0.15	0.5		07/01/21 09:39	127-18-4	
Toluene	**<0.12**	ug/m3	0.38	0.12	0.5		07/01/21 09:39	108-88-3	
1,1,1-Trichloroethane	**<0.093**	ug/m3	0.56	0.093	0.5		07/01/21 09:39	71-55-6	
Trichloroethene	**<0.098**	ug/m3	0.27	0.098	0.5		07/01/21 09:39	79-01-6	
1,2,4-Trimethylbenzene	**<0.18**	ug/m3	0.50	0.18	0.5		07/01/21 09:39	95-63-6	
1,3,5-Trimethylbenzene	**<0.14**	ug/m3	0.50	0.14	0.5		07/01/21 09:39	108-67-8	
Vinyl chloride	**<0.043**	ug/m3	0.13	0.043	0.5		07/01/21 09:39	75-01-4	
Xylene (Total)	**<0.32**	ug/m3	1.3	0.32	0.5		07/01/21 09:39	1330-20-7	
m&p-Xylene	**<0.32**	ug/m3	0.88	0.32	0.5		07/01/21 09:39	179601-23-1	
o-Xylene	**<0.14**	ug/m3	0.44	0.14	0.5		07/01/21 09:39	95-47-6	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1690019558 MIRRO PLANT 20
Pace Project No.: 10573629

QC Batch: 762154
QC Batch Method: TO-15
Analysis Method: TO-15
Analysis Description: TO15 MSV AIR Low Level
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10573629001, 10573629003, 10573629005, 10573629007, 10573629009, 10573629011, 10573629013, 10573629015

METHOD BLANK: 4063584 Matrix: Air
Associated Lab Samples: 10573629001, 10573629003, 10573629005, 10573629007, 10573629009, 10573629011, 10573629013, 10573629015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/m3	<0.093	0.56	08/09/21 10:11	
1,1-Dichloroethene	ug/m3	<0.069	0.40	08/09/21 10:11	
1,2,4-Trimethylbenzene	ug/m3	<0.18	0.50	08/09/21 10:11	
1,2-Dichloroethane	ug/m3	<0.097	0.41	08/09/21 10:11	
1,3,5-Trimethylbenzene	ug/m3	<0.14	0.50	08/09/21 10:11	
Benzene	ug/m3	<0.057	0.16	08/09/21 10:11	
cis-1,2-Dichloroethene	ug/m3	<0.098	0.40	08/09/21 10:11	
Ethylbenzene	ug/m3	<0.15	0.44	08/09/21 10:11	
m&p-Xylene	ug/m3	<0.32	0.88	08/09/21 10:11	
Methyl-tert-butyl ether	ug/m3	<0.063	1.8	08/09/21 10:11	
Naphthalene	ug/m3	<1.1	1.3	08/09/21 10:11	
o-Xylene	ug/m3	<0.14	0.44	08/09/21 10:11	
Tetrachloroethene	ug/m3	<0.15	0.34	08/09/21 10:11	
Toluene	ug/m3	<0.12	0.38	08/09/21 10:11	
trans-1,2-Dichloroethene	ug/m3	<0.084	0.40	08/09/21 10:11	
Trichloroethene	ug/m3	<0.098	0.27	08/09/21 10:11	
Vinyl chloride	ug/m3	<0.043	0.13	08/09/21 10:11	
Xylene (Total)	ug/m3	<0.32	1.3	08/09/21 10:11	

LABORATORY CONTROL SAMPLE: 4063585

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/m3	59.3	59.3	100	70-130	
1,1-Dichloroethene	ug/m3	43.5	41.0	94	70-130	
1,2,4-Trimethylbenzene	ug/m3	54	65.7	122	70-142	
1,2-Dichloroethane	ug/m3	44.4	44.5	100	70-132	
1,3,5-Trimethylbenzene	ug/m3	53.7	62.5	116	70-143	
Benzene	ug/m3	34.8	35.7	102	70-131	
cis-1,2-Dichloroethene	ug/m3	43.4	43.2	99	70-137	
Ethylbenzene	ug/m3	47.8	54.6	114	70-142	
m&p-Xylene	ug/m3	95.4	109	114	70-141	
Methyl-tert-butyl ether	ug/m3	39.6	38.4	97	70-143	
Naphthalene	ug/m3	65.2	58.5	90	67-132	
o-Xylene	ug/m3	47.6	54.0	114	70-141	
Tetrachloroethene	ug/m3	73.4	71.2	97	70-130	
Toluene	ug/m3	41.6	45.6	110	70-138	
trans-1,2-Dichloroethene	ug/m3	43.6	41.1	94	70-130	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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(612)607-1700

QUALITY CONTROL DATA

Project: 1690019558 MIRRO PLANT 20
Pace Project No.: 10573629

LABORATORY CONTROL SAMPLE: 4063585

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Trichloroethene	ug/m3	58.4	59.3	101	70-130	
Vinyl chloride	ug/m3	28	26.5	95	70-137	
Xylene (Total)	ug/m3	143	163	114	70-130	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALIFIERS

Project: 1690019558 MIRRO PLANT 20
Pace Project No.: 10573629

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 1690019558 MIRRO PLANT 20
Pace Project No.: 10573629

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10573629001	**IA-B-1**	TO-15	762154		
10573629003	**IA-B-2**	TO-15	762154		
10573629005	**IA-B-3**	TO-15	762154		
10573629007	**OA**	TO-15	762154		
10573629009	**VP-1**	TO-15	762154		
10573629011	**VP-2**	TO-15	762154		
10573629013	**VP-3**	TO-15	762154		
10573629015	**VP-4**	TO-15	762154		
10573629002	**IA-B-1 Cert#0838**	TO-15	762811		
10573629004	**IA-B-2 Cert#2135**	TO-15	762811		
10573629006	**IA-B-3 Cert#2052**	TO-15	762811		
10573629008	**OA Cert#2035**	TO-15	762811		
10573629010	**VP-1 Cert#0240**	TO-15	762811		
10573629012	**VP-2 Cert#0224**	TO-15	762811		
10573629014	**VP-3 Cert#0326**	TO-15	762811		
10573629016	**VP-4 Cert#1750**	TO-15	762811		

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AIR: CHAI[illegible] [illegible]cument

The Chain-of-Custody is a [illegible]

WO# : 10573629

10573629

51085

Page: 1 of 1

Section A Required Client Information:

Company: RAMBOLL
Address: 234 W. FLORIDA ST. 5TH FLOOR MILWAUKEE, WI 53204
Email To: KYLE HEIMSTEAD
Phone: 262 901 0129 Fax:
Requested Due Date/TAT: 08/10/2021

Section B Required Project Information:

Report To: SUSAN PETROFSKE
Copy To: PAUL LINDQUIST
Purchase Order No.:
Project Name: MIRRO PLANT 20
Project Number: 16900 19558

Section C Invoice Information:

Attention: SUSAN PETROFSKE
Company Name: RAMBOLL
Address:
Pace Quote Reference:
Pace Project Manager/Sales Rep.
Pace Profile #: 42848

Program: ☐ UST ☐ Superfund ☐ Emissions ☐ Clean Air Act ☐ Voluntary Clean Up ☐ Dry Clean ☐ RCRA ☐ Other____

Location of Sampling by State: WI

Reporting Units: ug/m³ X mg/m³ ___ PPBV ___ PPMV ___ Other ___

Report Level II.___ III.___ IV.___ Other____

Method:

'Section D Required Client Information

AIR SAMPLE ID
Sample IDs MUST BE UNIQUE

Valid Media Codes

MEDIA	CODE
Tedlar Bag	TB
1 Liter Summa Can	1LC
6 Liter Summa Can	6LC
Low Volume Puff	LVP
High Volume Puff	HVP
Other	PM10

ITEM #	'Section D Required Client Information AIR SAMPLE ID	MEDIA CODE	PID Reading (Client only)	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE - END/GRAB DATE	COMPOSITE - END/GRAB TIME	Canister Pressure (Initial Field - in Hg)	Canister Pressure (Final Field - in Hg)	Summa Can Number	Flow Control Number	PM10	3C - Fixed Gas (%)	TO-3 BTEX	TO-3M (Methane)	TO-14	TO-15 Full List VOCs	TO-15 Short List BTEX	TO-15 Short List Chlorinated	TO-15 Short List (other)	Pace Lab ID
1	IA-B-1	6LL		8/6/21	0549	8/6/21	1325	-30	-3	0838	1011									X	001 002
2	IA-B-2	6LL		8/6/21	0551	8/6/21	1327	-30	-3	2135	0081									X	003 004
3	IA-B-3	6LL		8/6/21	0553	8/6/21	1329	-30	-3	2052	0154									X	005 006
4	OA	6LL		8/6/21	0601	8/6/21	1331	-30	-3	2035	1893									X	007 008
5	SS-1	6LL		8/6/21	1337	8/6/21	1421	-29	-3	0240	2993									X	009 010
6	SS-2	6LL		8/6/21	1415	8/6/21	1452	-30	-3	224	3197									X	011 012
7	SS-3	6LL		8/6/21	1340	8/6/21	1422	-29	-3	0326	3131									X	013 014
8	SS-4	6LL		8/6/21	1420	8/6/21	1504	-29	-3	1750	1003									X	015 016
9																					
10																					
11																					
12																					

Comments :
- REPORT ANALYTES PREVIOUSLY REPORTED FOR THIS PROJECT

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
KYLE HEIMSTEAD/RAMBOLL	8/6/21	1700	[signature] PACE	8.7.21	900

SAMPLE CONDITIONS

Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact
—	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: KYLE HEIMSTEAD
SIGNATURE of SAMPLER: [signature]
DATE Signed (MM / DD / YY): 08/06/2021

ORIGINAL

Pace Analytical®	Document Name: **Sample Condition Upon Receipt (SCUR) - Air**	Document Revised: 24Mar2020 **Page 1 of 1**
	Document No.: **ENV-FRM-MIN4-0113 Rev.00**	Pace Analytical Services - **Minneapolis**

Air Sample Condition Upon Receipt **Client Name:** RAMBOLL **Project #:** **WO#: 10573629**

PM: CT1 **Due Date: 08/16/21**

CLIENT: Ramboll-WI

Courier: ☒ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Pace ☐ SpeeDee ☐ Commercial **See Exception** ☐

Tracking Number: 9550 9946 8920, 8931

Custody Seal on Cooler/Box Present? ☐ Yes ☒ No **Seals Intact?** ☐ Yes ☒ No

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☒ Foam ☐ None ☐ Tin Can ☐ Other:_____ **Temp Blank rec:** ☐ Yes ☒ No

Temp. (TO17 and TO13 samples only) (°C): X **Corrected Temp (°C):** X **Thermometer Used:** ☐ G87A9170600254 ☐ G87A9155100842

Temp should be above freezing to 6°C **Correction Factor:** X **Date & Initials of Person Examining Contents:** 8.7.21 CMy

Type of ice Received ☐ Blue ☐ Wet ☒ None

				Comments:
Chain of Custody Present?	☒ Yes	☐ No		1.
Chain of Custody Filled Out?	☒ Yes	☐ No		2.
Chain of Custody Relinquished?	☒ Yes	☐ No		3.
Sampler Name and/or Signature on COC?	☒ Yes	☐ No	☐ N/A	4.
Samples Arrived within Hold Time?	☒ Yes	☐ No		5.
Short Hold Time Analysis (<72 hr)?	☐ Yes	☒ No		6.
Rush Turn Around Time Requested?	☒ Yes	☐ No		7.
Sufficient Volume?	☒ Yes	☐ No		8.
Correct Containers Used? **(Tedlar bags not acceptable container for TO-14, TO-15 or APH)** -Pace Containers Used?	☒ Yes ☒ Yes	☐ No ☐ No		9.
Containers Intact? **(visual inspection/no leaks when pressurized)**	☒ Yes	☐ No		10.
Media: (Air Can) Airbag Filter TDT Passive				11. Individually Certified Cans (Y) N (list which samples)
Is sufficient information available to reconcile samples to the COC?	☒ Yes	☐ No		SS-1 FC# IS WRONG ON COC 12.
Do cans need to be pressurized? **(DO NOT PRESSURIZE 3C or ASTM 1946!!!)**	☒ Yes	☐ No		13.

Gauge # ☐ 10AIR26 ☒ 10AIR34 ☐ 10AIR35 ☐ 4097

Canisters					Canisters				
Sample Number	Can ID	Flow Controller	Initial Pressure	Final Pressure	Sample Number	Can ID	Flow Controller	Initial Pressure	Final Pressure
1A - B-1	0839	1011	-4	+5					
" 2	2135	0061	-3	"					
" 3	2052	0154	-4	"					
0A	2035	1893	-5	"					
SS-1	0240	2933	-3	"					
" 2	0224	3197	-5	"					
" 3	0326	3121	-2.5	"					
" 4	1750	1003	-3	"					

CLIENT NOTIFICATION/RESOLUTION **Field Data Required?** ☐ Yes ☐ No

Person Contacted: _____ Date/Time: _____

Comments/Resolution: _____

Project Manager Review: Carolyne Trout **Date:** 8/9/21

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

Laboratory Job ID: 500-205623-1
Client Project/Site: Former Mirro 20 - Chilton 1690019558

For:
Ramboll US Corporation
234 W. Florida Street
Fifth Floor
Milwaukee, Wisconsin 53204

Attn: Susan Petrofske

Authorized for release by:
10/1/2021 1:33:58 PM

Sandie Fredrick, Project Manager II
(920)261-1660
sandra.fredrick@eurofinset.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

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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: Ramboll US Corporation
Project/Site: Former Mirro 20 - Chilton 1690019558

Job ID: 500-205623-1

Job ID: 500-205623-1

Laboratory: Eurofins TestAmerica, Chicago

Narrative

Job Narrative
500-205623-1

Comments
No additional comments.

Receipt
The samples were received on 9/23/2021 10:10 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 5.8º C.

GC/MS VOA
Method 8260B: The matrix spike/ matrix spike duplicate (MS/MSD) for the following sample was analyzed outside the 12 hour tune window. No further action was taken.(500-205623-A-1-A MS) and (500-205623-A-1-A MSD)

Method 8260B: The laboratory control sample (LCS) for 500-620069, 500-620069, 500-620069, 500-620069, 500-620069, 500-620069, 500-620069, 500-620069, 500-620069, 500-620069, 500-620069, 500-620069, 500-620069, 500-620069 and 500-620069 recovered outside control limits for the many analytes. This is a prepped 5035 LCS. The daily instrument LCS was acceptable, and the data has been reported. SB-100 (2-4) (500-205623-1), MW-12 (2-4) (500-205623-2), MW-11 (0-4) (500-205623-3), SB-101 (2-4) (500-205623-4), SB-102 (2-4) (500-205623-5), SB-104 (2-4) (500-205623-6), SB-103 (1.5-3.5) (500-205623-7), SB-106 (2-4) (500-205623-8), SB-105 (2-4) (500-205623-9), SB-108 (2-4) (500-205623-10), SB-107 (2-4) (500-205623-11), PZ-13 (2-4) (500-205623-12), PZ-14 (2-4) (500-205623-13), PZ-14 (5-6) (500-205623-14) and Trip Blank (500-205623-15)

Method 8260B: The laboratory control sample (LCS) for 500-620804 recovered outside control limits for the following analytes: Bromomethane, chloroethane, and 1,2-Dibromo-3-Chloropropane. These analytes were biased high/low 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) analyzed in batch 500-620612 was outside the method criteria for the following analyte(s): Benzo[a]pyrene. The affected analyte failed high in the CCV and is not detected (ND) in client samples. As indicated in the reference method, sample analysis may proceed.

Method 8270D: The following sample was diluted due to the nature of the sample matrix: SB-106 (2-4) (500-205623-8). Elevated reporting limits (RLs) are provided.

Method 8270D: Perylene-d12 Internal standard (ISTD) response for the following samples was outside of acceptance limits. The samples were run a second time with concurring results. Results with the highest ISTD recovery have been reported SB-105 (2-4) (500-205623-9).

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: Ramboll US Corporation
Job ID: 500-205623-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: SB-100 (2-4) — Lab Sample ID: 500-205623-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Anthracene	13	J	39	6.6	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	33	J	39	5.3	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	37	J	39	7.7	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	55		39	8.6	ug/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	19	J	39	13	ug/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	23	J	39	12	ug/Kg	1	☼	8270D	Total/NA
Chrysene	44		39	11	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	71		39	7.4	ug/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	18	J	39	10	ug/Kg	1	☼	8270D	Total/NA
Naphthalene	14	J	39	6.1	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	59		39	5.5	ug/Kg	1	☼	8270D	Total/NA
Pyrene	57		39	7.9	ug/Kg	1	☼	8270D	Total/NA
1-Methylnaphthalene	13	J	80	9.7	ug/Kg	1	☼	8270D	Total/NA
2-Methylnaphthalene	16	J	80	7.3	ug/Kg	1	☼	8270D	Total/NA

Client Sample ID: MW-12 (2-4) — Lab Sample ID: 500-205623-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	36	J	45	6.1	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	45		45	8.8	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	52		45	9.9	ug/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	17	J	45	13	ug/Kg	1	☼	8270D	Total/NA
Chrysene	39	J	45	12	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	65		45	8.5	ug/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	17	J	45	12	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	43	J	45	6.4	ug/Kg	1	☼	8270D	Total/NA
Pyrene	55		45	9.1	ug/Kg	1	☼	8270D	Total/NA
1-Methylnaphthalene	11	J	92	11	ug/Kg	1	☼	8270D	Total/NA
2-Methylnaphthalene	9.2	J	92	8.4	ug/Kg	1	☼	8270D	Total/NA
Arsenic	3.8		1.2	0.42	mg/Kg	1	☼	6010B	Total/NA
Barium	99	B	1.2	0.14	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.48	B	0.24	0.044	mg/Kg	1	☼	6010B	Total/NA
Chromium	23		1.2	0.60	mg/Kg	1	☼	6010B	Total/NA
Lead	21		0.61	0.28	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.82	J	1.2	0.72	mg/Kg	1	☼	6010B	Total/NA
Silver	0.22	J	0.61	0.16	mg/Kg	1	☼	6010B	Total/NA
Mercury	110		22	7.4	ug/Kg	1	☼	7471B	Total/NA

Client Sample ID: MW-11 (0-4) — Lab Sample ID: 500-205623-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	12	J	45	8.1	ug/Kg	1	☼	8270D	Total/NA
Acenaphthylene	6.2	J	45	5.9	ug/Kg	1	☼	8270D	Total/NA
Anthracene	32	J	45	7.5	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	120		45	6.0	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	170		45	8.7	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	260		45	9.7	ug/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	65		45	14	ug/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	85		45	13	ug/Kg	1	☼	8270D	Total/NA
Chrysene	160		45	12	ug/Kg	1	☼	8270D	Total/NA
Dibenz(a,h)anthracene	20	J	45	8.7	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	300		45	8.3	ug/Kg	1	☼	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Chicago

Client Sample ID: MW-11 (0-4) (Continued) — Lab Sample ID: 500-205623-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Fluorene	13	J	45	6.3	ug/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	63		45	12	ug/Kg	1	☼	8270D	Total/NA
Naphthalene	16	J	45	6.9	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	160		45	6.3	ug/Kg	1	☼	8270D	Total/NA
Pyrene	230		45	8.9	ug/Kg	1	☼	8270D	Total/NA
1-Methylnaphthalene	14	J	91	11	ug/Kg	1	☼	8270D	Total/NA
2-Methylnaphthalene	14	J	91	8.3	ug/Kg	1	☼	8270D	Total/NA
Arsenic	2.2		1.4	0.47	mg/Kg	1	☼	6010B	Total/NA
Barium	58	B	1.4	0.16	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.50	B	0.27	0.049	mg/Kg	1	☼	6010B	Total/NA
Chromium	16		1.4	0.68	mg/Kg	1	☼	6010B	Total/NA
Lead	47		0.68	0.32	mg/Kg	1	☼	6010B	Total/NA
Silver	0.21	J	0.68	0.18	mg/Kg	1	☼	6010B	Total/NA
Mercury	64		21	7.0	ug/Kg	1	☼	7471B	Total/NA

Client Sample ID: SB-101 (2-4) — Lab Sample ID: 500-205623-4

No Detections.

Client Sample ID: SB-102 (2-4) — Lab Sample ID: 500-205623-5

No Detections.

Client Sample ID: SB-104 (2-4) — Lab Sample ID: 500-205623-6

No Detections.

Client Sample ID: SB-103 (1.5-3.5) — Lab Sample ID: 500-205623-7

No Detections.

Client Sample ID: SB-106 (2-4) — Lab Sample ID: 500-205623-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	15	J	23	14	ug/Kg	50	☼	8260B	Total/NA
Fluoranthene	140	J	240	44	ug/Kg	5	☼	8270D	Total/NA
Fluorene	51	J	240	33	ug/Kg	5	☼	8270D	Total/NA
Naphthalene	54	J	240	37	ug/Kg	5	☼	8270D	Total/NA
Phenanthrene	100	J	240	33	ug/Kg	5	☼	8270D	Total/NA
Pyrene	260		240	47	ug/Kg	5	☼	8270D	Total/NA
2-Methylnaphthalene	49	J	480	44	ug/Kg	5	☼	8270D	Total/NA

Client Sample ID: SB-105 (2-4) — Lab Sample ID: 500-205623-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	39		23	13	ug/Kg	50	☼	8260B	Total/NA
Ethylbenzene	18	J	23	17	ug/Kg	50	☼	8260B	Total/NA
Naphthalene	35	J	90	30	ug/Kg	50	☼	8260B	Total/NA
Toluene	61		23	13	ug/Kg	50	☼	8260B	Total/NA
Xylenes, Total	110		45	20	ug/Kg	50	☼	8260B	Total/NA
Acenaphthene	14	J	45	8.1	ug/Kg	1	☼	8270D	Total/NA
Acenaphthylene	47		45	5.9	ug/Kg	1	☼	8270D	Total/NA
Anthracene	67		45	7.5	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	110		45	6.1	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	160	*3	45	8.7	ug/Kg	1	☼	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SB-105 (2-4) (Continued) — Lab Sample ID: 500-205623-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[g,h,i]perylene	85	*3	45	15	ug/Kg	1	☼	8270D	Total/NA
Chrysene	120		45	12	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	200		45	8.4	ug/Kg	1	☼	8270D	Total/NA
Fluorene	52		45	6.3	ug/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	73	*3	45	12	ug/Kg	1	☼	8270D	Total/NA
Naphthalene	220		45	6.9	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	230		45	6.3	ug/Kg	1	☼	8270D	Total/NA
Pyrene	370		45	8.9	ug/Kg	1	☼	8270D	Total/NA
1-Methylnaphthalene	99		91	11	ug/Kg	1	☼	8270D	Total/NA
2-Methylnaphthalene	170		91	8.3	ug/Kg	1	☼	8270D	Total/NA

Client Sample ID: SB-108 (2-4) — Lab Sample ID: 500-205623-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	8.8	J	43	5.8	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	14	J	43	9.3	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	19	J	43	8.0	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	20	J	43	6.0	ug/Kg	1	☼	8270D	Total/NA
Pyrene	18	J	43	8.6	ug/Kg	1	☼	8270D	Total/NA

Client Sample ID: SB-107 (2-4) — Lab Sample ID: 500-205623-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthylene	8.8	J	41	5.5	ug/Kg	1	☼	8270D	Total/NA
Anthracene	27	J	41	7.0	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	85		41	5.6	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	100		41	8.1	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	140		41	9.0	ug/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	36	J	41	13	ug/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	47		41	12	ug/Kg	1	☼	8270D	Total/NA
Chrysene	97		41	11	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	190		41	7.7	ug/Kg	1	☼	8270D	Total/NA
Fluorene	9.3	J	41	5.9	ug/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	28	J	41	11	ug/Kg	1	☼	8270D	Total/NA
Naphthalene	17	J	41	6.4	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	110		41	5.8	ug/Kg	1	☼	8270D	Total/NA
Pyrene	170		41	8.3	ug/Kg	1	☼	8270D	Total/NA
1-Methylnaphthalene	19	J	84	10	ug/Kg	1	☼	8270D	Total/NA
2-Methylnaphthalene	22	J	84	7.7	ug/Kg	1	☼	8270D	Total/NA

Client Sample ID: PZ-13 (2-4) — Lab Sample ID: 500-205623-12

No Detections.

Client Sample ID: PZ-14 (2-4) — Lab Sample ID: 500-205623-13

No Detections.

Client Sample ID: PZ-14 (5-6) — Lab Sample ID: 500-205623-14

No Detections.

Client Sample ID: Trip Blank — Lab Sample ID: 500-205623-15

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Ramboll US Corporation
Job ID: 500-205623-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL CHI
6010B	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
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 TestAmerica, Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: Ramboll US Corporation
Job ID: 500-205623-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-205623-1	SB-100 (2-4)	Solid	09/20/21 11:25	09/23/21 10:10
500-205623-2	MW-12 (2-4)	Solid	09/20/21 13:20	09/23/21 10:10
500-205623-3	MW-11 (0-4)	Solid	09/20/21 14:30	09/23/21 10:10
500-205623-4	SB-101 (2-4)	Solid	09/21/21 09:20	09/23/21 10:10
500-205623-5	SB-102 (2-4)	Solid	09/21/21 09:35	09/23/21 10:10
500-205623-6	SB-104 (2-4)	Solid	09/21/21 09:45	09/23/21 10:10
500-205623-7	SB-103 (1.5-3.5)	Solid	09/21/21 10:00	09/23/21 10:10
500-205623-8	SB-106 (2-4)	Solid	09/21/21 10:20	09/23/21 10:10
500-205623-9	SB-105 (2-4)	Solid	09/21/21 10:40	09/23/21 10:10
500-205623-10	SB-108 (2-4)	Solid	09/21/21 11:00	09/23/21 10:10
500-205623-11	SB-107 (2-4)	Solid	09/21/21 11:10	09/23/21 10:10
500-205623-12	PZ-13 (2-4)	Solid	09/21/21 12:00	09/23/21 10:10
500-205623-13	PZ-14 (2-4)	Solid	09/22/21 09:45	09/23/21 10:10
500-205623-14	PZ-14 (5-6)	Solid	09/22/21 09:50	09/23/21 10:10
500-205623-15	Trip Blank	Solid	09/20/21 00:00	09/23/21 10:10

Client: Ramboll US Corporation
Job ID: 500-205623-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: SB-100 (2-4)
Lab Sample ID: 500-205623-1
Date Collected: 09/20/21 11:25
Matrix: Solid
Date Received: 09/23/21 10:10
Percent Solids: 82.4

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<10		18	10	ug/Kg	☼	09/20/21 11:25	09/29/21 14:18	50
Bromobenzene	<25		71	25	ug/Kg	☼	09/20/21 11:25	09/29/21 14:18	50
Bromochloromethane	<30		71	30	ug/Kg	☼	09/20/21 11:25	09/29/21 14:18	50
Bromodichloromethane	<26		71	26	ug/Kg	☼	09/20/21 11:25	09/29/21 14:18	50
Bromoform	<34		71	34	ug/Kg	☼	09/20/21 11:25	09/29/21 14:18	50
Bromomethane	<57	*+	210	57	ug/Kg	☼	09/20/21 11:25	09/29/21 14:18	50
2-Butanone (MEK)	<150		360	150	ug/Kg	☼	09/20/21 11:25	09/29/21 14:18	50
Carbon tetrachloride	<27	*+	71	27	ug/Kg	☼	09/20/21 11:25	09/29/21 14:18	50
Chlorobenzene	<27		71	27	ug/Kg	☼	09/20/21 11:25	09/29/21 14:18	50
Chloroethane	<36	*+	71	36	ug/Kg	☼	09/20/21 11:25	09/29/21 14:18	50
Chloroform	<26		140	26	ug/Kg	☼	09/20/21 11:25	09/29/21 14:18	50
Chloromethane	<23		71	23	ug/Kg	☼	09/20/21 11:25	09/29/21 14:18	50
2-Chlorotoluene	<22		71	22	ug/Kg	☼	09/20/21 11:25	09/29/21 14:18	50
4-Chlorotoluene	<25		71	25	ug/Kg	☼	09/20/21 11:25	09/29/21 14:18	50
cis-1,2-Dichloroethene	<29		71	29	ug/Kg	☼	09/20/21 11:25	09/29/21 14:18	50
cis-1,3-Dichloropropene	<30		71	30	ug/Kg	☼	09/20/21 11:25	09/29/21 14:18	50
Dibromochloromethane	<35		71	35	ug/Kg	☼	09/20/21 11:25	09/29/21 14:18	50
1,2-Dibromo-3-Chloropropane	<140	*-	360	140	ug/Kg	☼	09/20/21 11:25	09/29/21 14:18	50
1,2-Dibromoethane	<27		71	27	ug/Kg	☼	09/20/21 11:25	09/29/21 14:18	50
Dibromomethane	<19		71	19	ug/Kg	☼	09/20/21 11:25	09/29/21 14:18	50
1,2-Dichlorobenzene	<24		71	24	ug/Kg	☼	09/20/21 11:25	09/29/21 14:18	50
1,3-Dichlorobenzene	<28		71	28	ug/Kg	☼	09/20/21 11:25	09/29/21 14:18	50
1,4-Dichlorobenzene	<26		71	26	ug/Kg	☼	09/20/21 11:25	09/29/21 14:18	50
Dichlorodifluoromethane	<48		210	48	ug/Kg	☼	09/20/21 11:25	09/29/21 14:18	50
1,1-Dichloroethane	<29		71	29	ug/Kg	☼	09/20/21 11:25	09/29/21 14:18	50
1,2-Dichloroethane	<28		71	28	ug/Kg	☼	09/20/21 11:25	09/29/21 14:18	50
1,1-Dichloroethene	<28		71	28	ug/Kg	☼	09/20/21 11:25	09/29/21 14:18	50
1,2-Dichloropropane	<30		71	30	ug/Kg	☼	09/20/21 11:25	09/29/21 14:18	50
1,3-Dichloropropane	<26		71	26	ug/Kg	☼	09/20/21 11:25	09/29/21 14:18	50
2,2-Dichloropropane	<32	*+	71	32	ug/Kg	☼	09/20/21 11:25	09/29/21 14:18	50
1,1-Dichloropropene	<21		71	21	ug/Kg	☼	09/20/21 11:25	09/29/21 14:18	50
Ethylbenzene	<13		18	13	ug/Kg	☼	09/20/21 11:25	09/29/21 14:18	50
Hexachlorobutadiene	<32		71	32	ug/Kg	☼	09/20/21 11:25	09/29/21 14:18	50
Isopropylbenzene	<27		71	27	ug/Kg	☼	09/20/21 11:25	09/29/21 14:18	50
Isopropyl ether	<20		71	20	ug/Kg	☼	09/20/21 11:25	09/29/21 14:18	50
Methylene Chloride	<120		360	120	ug/Kg	☼	09/20/21 11:25	09/29/21 14:18	50
Methyl tert-butyl ether	<28		71	28	ug/Kg	☼	09/20/21 11:25	09/29/21 14:18	50
Naphthalene	<24		71	24	ug/Kg	☼	09/20/21 11:25	09/29/21 14:18	50
n-Butylbenzene	<28		71	28	ug/Kg	☼	09/20/21 11:25	09/29/21 14:18	50
N-Propylbenzene	<29		71	29	ug/Kg	☼	09/20/21 11:25	09/29/21 14:18	50
p-Isopropyltoluene	<26		71	26	ug/Kg	☼	09/20/21 11:25	09/29/21 14:18	50
sec-Butylbenzene	<28		71	28	ug/Kg	☼	09/20/21 11:25	09/29/21 14:18	50
Styrene	<27		71	27	ug/Kg	☼	09/20/21 11:25	09/29/21 14:18	50
tert-Butylbenzene	<28		71	28	ug/Kg	☼	09/20/21 11:25	09/29/21 14:18	50
1,1,1,2-Tetrachloroethane	<33		71	33	ug/Kg	☼	09/20/21 11:25	09/29/21 14:18	50
1,1,2,2-Tetrachloroethane	<28		71	28	ug/Kg	☼	09/20/21 11:25	09/29/21 14:18	50
Tetrachloroethene	<26		71	26	ug/Kg	☼	09/20/21 11:25	09/29/21 14:18	50
Toluene	<10		18	10	ug/Kg	☼	09/20/21 11:25	09/29/21 14:18	50
trans-1,2-Dichloroethene	<25		71	25	ug/Kg	☼	09/20/21 11:25	09/29/21 14:18	50

Client Sample ID: SB-100 (2-4)
Date Collected: 09/20/21 11:25
Date Received: 09/23/21 10:10

Lab Sample ID: 500-205623-1
Matrix: Solid
Percent Solids: 82.4

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<26		71	26	ug/Kg	☼	09/20/21 11:25	09/29/21 14:18	50
1,2,3-Trichlorobenzene	<33		71	33	ug/Kg	☼	09/20/21 11:25	09/29/21 14:18	50
1,2,4-Trichlorobenzene	<24		71	24	ug/Kg	☼	09/20/21 11:25	09/29/21 14:18	50
1,1,1-Trichloroethane	<27	*+	71	27	ug/Kg	☼	09/20/21 11:25	09/29/21 14:18	50
1,1,2-Trichloroethane	<25		71	25	ug/Kg	☼	09/20/21 11:25	09/29/21 14:18	50
Trichloroethene	<12		36	12	ug/Kg	☼	09/20/21 11:25	09/29/21 14:18	50
Trichlorofluoromethane	<30	*+	71	30	ug/Kg	☼	09/20/21 11:25	09/29/21 14:18	50
1,2,3-Trichloropropane	<29		140	29	ug/Kg	☼	09/20/21 11:25	09/29/21 14:18	50
1,2,4-Trimethylbenzene	<25		71	25	ug/Kg	☼	09/20/21 11:25	09/29/21 14:18	50
1,3,5-Trimethylbenzene	<27		71	27	ug/Kg	☼	09/20/21 11:25	09/29/21 14:18	50
Vinyl chloride	<19		71	19	ug/Kg	☼	09/20/21 11:25	09/29/21 14:18	50
Xylenes, Total	<16		36	16	ug/Kg	☼	09/20/21 11:25	09/29/21 14:18	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*72 - 124*	*09/20/21 11:25*	*09/29/21 14:18*	*50*
Dibromofluoromethane (Surr)	*91*		*75 - 120*	*09/20/21 11:25*	*09/29/21 14:18*	*50*
1,2-Dichloroethane-d4 (Surr)	*109*		*75 - 126*	*09/20/21 11:25*	*09/29/21 14:18*	*50*
Toluene-d8 (Surr)	*89*		*75 - 120*	*09/20/21 11:25*	*09/29/21 14:18*	*50*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<7.1		39	7.1	ug/Kg	☼	09/24/21 18:00	09/27/21 13:03	1
Acenaphthylene	<5.2		39	5.2	ug/Kg	☼	09/24/21 18:00	09/27/21 13:03	1
Anthracene	**13**	**J**	39	6.6	ug/Kg	☼	09/24/21 18:00	09/27/21 13:03	1
Benzo[a]anthracene	**33**	**J**	39	5.3	ug/Kg	☼	09/24/21 18:00	09/27/21 13:03	1
Benzo[a]pyrene	**37**	**J**	39	7.7	ug/Kg	☼	09/24/21 18:00	09/27/21 13:03	1
Benzo[b]fluoranthene	**55**		39	8.6	ug/Kg	☼	09/24/21 18:00	09/27/21 13:03	1
Benzo[g,h,i]perylene	**19**	**J**	39	13	ug/Kg	☼	09/24/21 18:00	09/27/21 13:03	1
Benzo[k]fluoranthene	**23**	**J**	39	12	ug/Kg	☼	09/24/21 18:00	09/27/21 13:03	1
Chrysene	**44**		39	11	ug/Kg	☼	09/24/21 18:00	09/27/21 13:03	1
Dibenz(a,h)anthracene	<7.7		39	7.7	ug/Kg	☼	09/24/21 18:00	09/27/21 13:03	1
Fluoranthene	**71**		39	7.4	ug/Kg	☼	09/24/21 18:00	09/27/21 13:03	1
Fluorene	<5.6		39	5.6	ug/Kg	☼	09/24/21 18:00	09/27/21 13:03	1
Indeno[1,2,3-cd]pyrene	**18**	**J**	39	10	ug/Kg	☼	09/24/21 18:00	09/27/21 13:03	1
Naphthalene	**14**	**J**	39	6.1	ug/Kg	☼	09/24/21 18:00	09/27/21 13:03	1
Phenanthrene	**59**		39	5.5	ug/Kg	☼	09/24/21 18:00	09/27/21 13:03	1
Pyrene	**57**		39	7.9	ug/Kg	☼	09/24/21 18:00	09/27/21 13:03	1
1-Methylnaphthalene	**13**	**J**	80	9.7	ug/Kg	☼	09/24/21 18:00	09/27/21 13:03	1
2-Methylnaphthalene	**16**	**J**	80	7.3	ug/Kg	☼	09/24/21 18:00	09/27/21 13:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*71*		*37 - 147*	*09/24/21 18:00*	*09/27/21 13:03*	*1*
Terphenyl-d14 (Surr)	*79*		*42 - 157*	*09/24/21 18:00*	*09/27/21 13:03*	*1*
2-Fluorobiphenyl (Surr)	*80*		*43 - 145*	*09/24/21 18:00*	*09/27/21 13:03*	*1*

Client: Ramboll US Corporation
Job ID: 500-205623-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: MW-12 (2-4)
Lab Sample ID: 500-205623-2
Date Collected: 09/20/21 13:20
Matrix: Solid
Date Received: 09/23/21 10:10
Percent Solids: 70.6

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<13		23	13	ug/Kg	☼	09/20/21 13:20	09/29/21 14:43	50
Bromobenzene	<32		91	32	ug/Kg	☼	09/20/21 13:20	09/29/21 14:43	50
Bromochloromethane	<39		91	39	ug/Kg	☼	09/20/21 13:20	09/29/21 14:43	50
Bromodichloromethane	<34		91	34	ug/Kg	☼	09/20/21 13:20	09/29/21 14:43	50
Bromoform	<44		91	44	ug/Kg	☼	09/20/21 13:20	09/29/21 14:43	50
Bromomethane	<72	*+	270	72	ug/Kg	☼	09/20/21 13:20	09/29/21 14:43	50
2-Butanone (MEK)	<190		450	190	ug/Kg	☼	09/20/21 13:20	09/29/21 14:43	50
Carbon tetrachloride	<35	*+	91	35	ug/Kg	☼	09/20/21 13:20	09/29/21 14:43	50
Chlorobenzene	<35		91	35	ug/Kg	☼	09/20/21 13:20	09/29/21 14:43	50
Chloroethane	<46	*+	91	46	ug/Kg	☼	09/20/21 13:20	09/29/21 14:43	50
Chloroform	<34		180	34	ug/Kg	☼	09/20/21 13:20	09/29/21 14:43	50
Chloromethane	<29		91	29	ug/Kg	☼	09/20/21 13:20	09/29/21 14:43	50
2-Chlorotoluene	<29		91	29	ug/Kg	☼	09/20/21 13:20	09/29/21 14:43	50
4-Chlorotoluene	<32		91	32	ug/Kg	☼	09/20/21 13:20	09/29/21 14:43	50
cis-1,2-Dichloroethene	<37		91	37	ug/Kg	☼	09/20/21 13:20	09/29/21 14:43	50
cis-1,3-Dichloropropene	<38		91	38	ug/Kg	☼	09/20/21 13:20	09/29/21 14:43	50
Dibromochloromethane	<44		91	44	ug/Kg	☼	09/20/21 13:20	09/29/21 14:43	50
1,2-Dibromo-3-Chloropropane	<180	*-	450	180	ug/Kg	☼	09/20/21 13:20	09/29/21 14:43	50
1,2-Dibromoethane	<35		91	35	ug/Kg	☼	09/20/21 13:20	09/29/21 14:43	50
Dibromomethane	<25		91	25	ug/Kg	☼	09/20/21 13:20	09/29/21 14:43	50
1,2-Dichlorobenzene	<30		91	30	ug/Kg	☼	09/20/21 13:20	09/29/21 14:43	50
1,3-Dichlorobenzene	<36		91	36	ug/Kg	☼	09/20/21 13:20	09/29/21 14:43	50
1,4-Dichlorobenzene	<33		91	33	ug/Kg	☼	09/20/21 13:20	09/29/21 14:43	50
Dichlorodifluoromethane	<61		270	61	ug/Kg	☼	09/20/21 13:20	09/29/21 14:43	50
1,1-Dichloroethane	<37		91	37	ug/Kg	☼	09/20/21 13:20	09/29/21 14:43	50
1,2-Dichloroethane	<36		91	36	ug/Kg	☼	09/20/21 13:20	09/29/21 14:43	50
1,1-Dichloroethene	<35		91	35	ug/Kg	☼	09/20/21 13:20	09/29/21 14:43	50
1,2-Dichloropropane	<39		91	39	ug/Kg	☼	09/20/21 13:20	09/29/21 14:43	50
1,3-Dichloropropane	<33		91	33	ug/Kg	☼	09/20/21 13:20	09/29/21 14:43	50
2,2-Dichloropropane	<40	*+	91	40	ug/Kg	☼	09/20/21 13:20	09/29/21 14:43	50
1,1-Dichloropropene	<27		91	27	ug/Kg	☼	09/20/21 13:20	09/29/21 14:43	50
Ethylbenzene	<17		23	17	ug/Kg	☼	09/20/21 13:20	09/29/21 14:43	50
Hexachlorobutadiene	<41		91	41	ug/Kg	☼	09/20/21 13:20	09/29/21 14:43	50
Isopropylbenzene	<35		91	35	ug/Kg	☼	09/20/21 13:20	09/29/21 14:43	50
Isopropyl ether	<25		91	25	ug/Kg	☼	09/20/21 13:20	09/29/21 14:43	50
Methylene Chloride	<150		450	150	ug/Kg	☼	09/20/21 13:20	09/29/21 14:43	50
Methyl tert-butyl ether	<36		91	36	ug/Kg	☼	09/20/21 13:20	09/29/21 14:43	50
Naphthalene	<30		91	30	ug/Kg	☼	09/20/21 13:20	09/29/21 14:43	50
n-Butylbenzene	<35		91	35	ug/Kg	☼	09/20/21 13:20	09/29/21 14:43	50
N-Propylbenzene	<38		91	38	ug/Kg	☼	09/20/21 13:20	09/29/21 14:43	50
p-Isopropyltoluene	<33		91	33	ug/Kg	☼	09/20/21 13:20	09/29/21 14:43	50
sec-Butylbenzene	<36		91	36	ug/Kg	☼	09/20/21 13:20	09/29/21 14:43	50
Styrene	<35		91	35	ug/Kg	☼	09/20/21 13:20	09/29/21 14:43	50
tert-Butylbenzene	<36		91	36	ug/Kg	☼	09/20/21 13:20	09/29/21 14:43	50
1,1,1,2-Tetrachloroethane	<42		91	42	ug/Kg	☼	09/20/21 13:20	09/29/21 14:43	50
1,1,2,2-Tetrachloroethane	<36		91	36	ug/Kg	☼	09/20/21 13:20	09/29/21 14:43	50
Tetrachloroethene	<34		91	34	ug/Kg	☼	09/20/21 13:20	09/29/21 14:43	50
Toluene	<13		23	13	ug/Kg	☼	09/20/21 13:20	09/29/21 14:43	50
trans-1,2-Dichloroethene	<32		91	32	ug/Kg	☼	09/20/21 13:20	09/29/21 14:43	50

Client Sample ID: MW-12 (2-4)
Date Collected: 09/20/21 13:20
Date Received: 09/23/21 10:10

Lab Sample ID: 500-205623-2
Matrix: Solid
Percent Solids: 70.6

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<33		91	33	ug/Kg	☼	09/20/21 13:20	09/29/21 14:43	50
1,2,3-Trichlorobenzene	<42		91	42	ug/Kg	☼	09/20/21 13:20	09/29/21 14:43	50
1,2,4-Trichlorobenzene	<31		91	31	ug/Kg	☼	09/20/21 13:20	09/29/21 14:43	50
1,1,1-Trichloroethane	<35	*+	91	35	ug/Kg	☼	09/20/21 13:20	09/29/21 14:43	50
1,1,2-Trichloroethane	<32		91	32	ug/Kg	☼	09/20/21 13:20	09/29/21 14:43	50
Trichloroethene	<15		45	15	ug/Kg	☼	09/20/21 13:20	09/29/21 14:43	50
Trichlorofluoromethane	<39	*+	91	39	ug/Kg	☼	09/20/21 13:20	09/29/21 14:43	50
1,2,3-Trichloropropane	<38		180	38	ug/Kg	☼	09/20/21 13:20	09/29/21 14:43	50
1,2,4-Trimethylbenzene	<33		91	33	ug/Kg	☼	09/20/21 13:20	09/29/21 14:43	50
1,3,5-Trimethylbenzene	<35		91	35	ug/Kg	☼	09/20/21 13:20	09/29/21 14:43	50
Vinyl chloride	<24		91	24	ug/Kg	☼	09/20/21 13:20	09/29/21 14:43	50
Xylenes, Total	<20		45	20	ug/Kg	☼	09/20/21 13:20	09/29/21 14:43	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*72 - 124*	*09/20/21 13:20*	*09/29/21 14:43*	*50*
Dibromofluoromethane (Surr)	*93*		*75 - 120*	*09/20/21 13:20*	*09/29/21 14:43*	*50*
1,2-Dichloroethane-d4 (Surr)	*107*		*75 - 126*	*09/20/21 13:20*	*09/29/21 14:43*	*50*
Toluene-d8 (Surr)	*89*		*75 - 120*	*09/20/21 13:20*	*09/29/21 14:43*	*50*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<8.2		45	8.2	ug/Kg	☼	09/24/21 18:00	09/27/21 13:27	1
Acenaphthylene	<6.0		45	6.0	ug/Kg	☼	09/24/21 18:00	09/27/21 13:27	1
Anthracene	<7.6		45	7.6	ug/Kg	☼	09/24/21 18:00	09/27/21 13:27	1
Benzo[a]anthracene	**36**	**J**	45	6.1	ug/Kg	☼	09/24/21 18:00	09/27/21 13:27	1
Benzo[a]pyrene	**45**		45	8.8	ug/Kg	☼	09/24/21 18:00	09/27/21 13:27	1
Benzo[b]fluoranthene	**52**		45	9.9	ug/Kg	☼	09/24/21 18:00	09/27/21 13:27	1
Benzo[g,h,i]perylene	<15		45	15	ug/Kg	☼	09/24/21 18:00	09/27/21 13:27	1
Benzo[k]fluoranthene	**17**	**J**	45	13	ug/Kg	☼	09/24/21 18:00	09/27/21 13:27	1
Chrysene	**39**	**J**	45	12	ug/Kg	☼	09/24/21 18:00	09/27/21 13:27	1
Dibenz(a,h)anthracene	<8.8		45	8.8	ug/Kg	☼	09/24/21 18:00	09/27/21 13:27	1
Fluoranthene	**65**		45	8.5	ug/Kg	☼	09/24/21 18:00	09/27/21 13:27	1
Fluorene	<6.4		45	6.4	ug/Kg	☼	09/24/21 18:00	09/27/21 13:27	1
Indeno[1,2,3-cd]pyrene	**17**	**J**	45	12	ug/Kg	☼	09/24/21 18:00	09/27/21 13:27	1
Naphthalene	<7.0		45	7.0	ug/Kg	☼	09/24/21 18:00	09/27/21 13:27	1
Phenanthrene	**43**	**J**	45	6.4	ug/Kg	☼	09/24/21 18:00	09/27/21 13:27	1
Pyrene	**55**		45	9.1	ug/Kg	☼	09/24/21 18:00	09/27/21 13:27	1
1-Methylnaphthalene	**11**	**J**	92	11	ug/Kg	☼	09/24/21 18:00	09/27/21 13:27	1
2-Methylnaphthalene	**9.2**	**J**	92	8.4	ug/Kg	☼	09/24/21 18:00	09/27/21 13:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*66*		*37 - 147*	*09/24/21 18:00*	*09/27/21 13:27*	*1*
Terphenyl-d14 (Surr)	*81*		*42 - 157*	*09/24/21 18:00*	*09/27/21 13:27*	*1*
2-Fluorobiphenyl (Surr)	*77*		*43 - 145*	*09/24/21 18:00*	*09/27/21 13:27*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**3.8**		1.2	0.42	mg/Kg	☼	09/28/21 11:11	09/29/21 21:15	1
Barium	**99**	**B**	1.2	0.14	mg/Kg	☼	09/28/21 11:11	09/29/21 21:15	1
Cadmium	**0.48**	**B**	0.24	0.044	mg/Kg	☼	09/28/21 11:11	09/29/21 21:15	1

Client: Ramboll US Corporation
Job ID: 500-205623-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: MW-12 (2-4)
Lab Sample ID: 500-205623-2
Date Collected: 09/20/21 13:20
Matrix: Solid
Date Received: 09/23/21 10:10
Percent Solids: 70.6

Method: 6010B - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	23		1.2	0.60	mg/Kg	☼	09/28/21 11:11	09/29/21 21:15	1
Lead	21		0.61	0.28	mg/Kg	☼	09/28/21 11:11	09/29/21 21:15	1
Selenium	0.82	J	1.2	0.72	mg/Kg	☼	09/28/21 11:11	09/29/21 21:15	1
Silver	0.22	J	0.61	0.16	mg/Kg	☼	09/28/21 11:11	09/29/21 21:15	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	110		22	7.4	ug/Kg	☼	09/30/21 13:05	10/01/21 08:38	1

Client: Ramboll US Corporation
Job ID: 500-205623-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: MW-11 (0-4)
Lab Sample ID: 500-205623-3
Date Collected: 09/20/21 14:30
Matrix: Solid
Date Received: 09/23/21 10:10
Percent Solids: 72.2

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<13		22	13	ug/Kg	☼	09/20/21 14:30	09/29/21 15:08	50
Bromobenzene	<32		89	32	ug/Kg	☼	09/20/21 14:30	09/29/21 15:08	50
Bromochloromethane	<38		89	38	ug/Kg	☼	09/20/21 14:30	09/29/21 15:08	50
Bromodichloromethane	<33		89	33	ug/Kg	☼	09/20/21 14:30	09/29/21 15:08	50
Bromoform	<43		89	43	ug/Kg	☼	09/20/21 14:30	09/29/21 15:08	50
Bromomethane	<71	*+	270	71	ug/Kg	☼	09/20/21 14:30	09/29/21 15:08	50
2-Butanone (MEK)	<190		440	190	ug/Kg	☼	09/20/21 14:30	09/29/21 15:08	50
Carbon tetrachloride	<34	*+	89	34	ug/Kg	☼	09/20/21 14:30	09/29/21 15:08	50
Chlorobenzene	<34		89	34	ug/Kg	☼	09/20/21 14:30	09/29/21 15:08	50
Chloroethane	<45	*+	89	45	ug/Kg	☼	09/20/21 14:30	09/29/21 15:08	50
Chloroform	<33		180	33	ug/Kg	☼	09/20/21 14:30	09/29/21 15:08	50
Chloromethane	<28		89	28	ug/Kg	☼	09/20/21 14:30	09/29/21 15:08	50
2-Chlorotoluene	<28		89	28	ug/Kg	☼	09/20/21 14:30	09/29/21 15:08	50
4-Chlorotoluene	<31		89	31	ug/Kg	☼	09/20/21 14:30	09/29/21 15:08	50
cis-1,2-Dichloroethene	<36		89	36	ug/Kg	☼	09/20/21 14:30	09/29/21 15:08	50
cis-1,3-Dichloropropene	<37		89	37	ug/Kg	☼	09/20/21 14:30	09/29/21 15:08	50
Dibromochloromethane	<43		89	43	ug/Kg	☼	09/20/21 14:30	09/29/21 15:08	50
1,2-Dibromo-3-Chloropropane	<180	*-	440	180	ug/Kg	☼	09/20/21 14:30	09/29/21 15:08	50
1,2-Dibromoethane	<34		89	34	ug/Kg	☼	09/20/21 14:30	09/29/21 15:08	50
Dibromomethane	<24		89	24	ug/Kg	☼	09/20/21 14:30	09/29/21 15:08	50
1,2-Dichlorobenzene	<30		89	30	ug/Kg	☼	09/20/21 14:30	09/29/21 15:08	50
1,3-Dichlorobenzene	<35		89	35	ug/Kg	☼	09/20/21 14:30	09/29/21 15:08	50
1,4-Dichlorobenzene	<32		89	32	ug/Kg	☼	09/20/21 14:30	09/29/21 15:08	50
Dichlorodifluoromethane	<60		270	60	ug/Kg	☼	09/20/21 14:30	09/29/21 15:08	50
1,1-Dichloroethane	<36		89	36	ug/Kg	☼	09/20/21 14:30	09/29/21 15:08	50
1,2-Dichloroethane	<35		89	35	ug/Kg	☼	09/20/21 14:30	09/29/21 15:08	50
1,1-Dichloroethene	<35		89	35	ug/Kg	☼	09/20/21 14:30	09/29/21 15:08	50
1,2-Dichloropropane	<38		89	38	ug/Kg	☼	09/20/21 14:30	09/29/21 15:08	50
1,3-Dichloropropane	<32		89	32	ug/Kg	☼	09/20/21 14:30	09/29/21 15:08	50
2,2-Dichloropropane	<39	*+	89	39	ug/Kg	☼	09/20/21 14:30	09/29/21 15:08	50
1,1-Dichloropropene	<26		89	26	ug/Kg	☼	09/20/21 14:30	09/29/21 15:08	50
Ethylbenzene	<16		22	16	ug/Kg	☼	09/20/21 14:30	09/29/21 15:08	50
Hexachlorobutadiene	<40		89	40	ug/Kg	☼	09/20/21 14:30	09/29/21 15:08	50
Isopropylbenzene	<34		89	34	ug/Kg	☼	09/20/21 14:30	09/29/21 15:08	50
Isopropyl ether	<24		89	24	ug/Kg	☼	09/20/21 14:30	09/29/21 15:08	50
Methylene Chloride	<140		440	140	ug/Kg	☼	09/20/21 14:30	09/29/21 15:08	50
Methyl tert-butyl ether	<35		89	35	ug/Kg	☼	09/20/21 14:30	09/29/21 15:08	50
Naphthalene	<30		89	30	ug/Kg	☼	09/20/21 14:30	09/29/21 15:08	50
n-Butylbenzene	<34		89	34	ug/Kg	☼	09/20/21 14:30	09/29/21 15:08	50
N-Propylbenzene	<37		89	37	ug/Kg	☼	09/20/21 14:30	09/29/21 15:08	50
p-Isopropyltoluene	<32		89	32	ug/Kg	☼	09/20/21 14:30	09/29/21 15:08	50
sec-Butylbenzene	<35		89	35	ug/Kg	☼	09/20/21 14:30	09/29/21 15:08	50
Styrene	<34		89	34	ug/Kg	☼	09/20/21 14:30	09/29/21 15:08	50
tert-Butylbenzene	<35		89	35	ug/Kg	☼	09/20/21 14:30	09/29/21 15:08	50
1,1,1,2-Tetrachloroethane	<41		89	41	ug/Kg	☼	09/20/21 14:30	09/29/21 15:08	50
1,1,2,2-Tetrachloroethane	<35		89	35	ug/Kg	☼	09/20/21 14:30	09/29/21 15:08	50
Tetrachloroethene	<33		89	33	ug/Kg	☼	09/20/21 14:30	09/29/21 15:08	50
Toluene	<13		22	13	ug/Kg	☼	09/20/21 14:30	09/29/21 15:08	50
trans-1,2-Dichloroethene	<31		89	31	ug/Kg	☼	09/20/21 14:30	09/29/21 15:08	50

Client Sample ID: MW-11 (0-4)
Date Collected: 09/20/21 14:30
Date Received: 09/23/21 10:10

Lab Sample ID: 500-205623-3
Matrix: Solid
Percent Solids: 72.2

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<32		89	32	ug/Kg	☼	09/20/21 14:30	09/29/21 15:08	50
1,2,3-Trichlorobenzene	<41		89	41	ug/Kg	☼	09/20/21 14:30	09/29/21 15:08	50
1,2,4-Trichlorobenzene	<30		89	30	ug/Kg	☼	09/20/21 14:30	09/29/21 15:08	50
1,1,1-Trichloroethane	<34	*+	89	34	ug/Kg	☼	09/20/21 14:30	09/29/21 15:08	50
1,1,2-Trichloroethane	<31		89	31	ug/Kg	☼	09/20/21 14:30	09/29/21 15:08	50
Trichloroethene	<15		44	15	ug/Kg	☼	09/20/21 14:30	09/29/21 15:08	50
Trichlorofluoromethane	<38	*+	89	38	ug/Kg	☼	09/20/21 14:30	09/29/21 15:08	50
1,2,3-Trichloropropane	<37		180	37	ug/Kg	☼	09/20/21 14:30	09/29/21 15:08	50
1,2,4-Trimethylbenzene	<32		89	32	ug/Kg	☼	09/20/21 14:30	09/29/21 15:08	50
1,3,5-Trimethylbenzene	<34		89	34	ug/Kg	☼	09/20/21 14:30	09/29/21 15:08	50
Vinyl chloride	<23		89	23	ug/Kg	☼	09/20/21 14:30	09/29/21 15:08	50
Xylenes, Total	<20		44	20	ug/Kg	☼	09/20/21 14:30	09/29/21 15:08	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*72 - 124*	*09/20/21 14:30*	*09/29/21 15:08*	*50*
Dibromofluoromethane (Surr)	*94*		*75 - 120*	*09/20/21 14:30*	*09/29/21 15:08*	*50*
1,2-Dichloroethane-d4 (Surr)	*109*		*75 - 126*	*09/20/21 14:30*	*09/29/21 15:08*	*50*
Toluene-d8 (Surr)	*88*		*75 - 120*	*09/20/21 14:30*	*09/29/21 15:08*	*50*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**12**	**J**	45	8.1	ug/Kg	☼	09/24/21 18:00	09/27/21 13:50	1
Acenaphthylene	**6.2**	**J**	45	5.9	ug/Kg	☼	09/24/21 18:00	09/27/21 13:50	1
Anthracene	**32**	**J**	45	7.5	ug/Kg	☼	09/24/21 18:00	09/27/21 13:50	1
Benzo[a]anthracene	**120**		45	6.0	ug/Kg	☼	09/24/21 18:00	09/27/21 13:50	1
Benzo[a]pyrene	**170**		45	8.7	ug/Kg	☼	09/24/21 18:00	09/27/21 13:50	1
Benzo[b]fluoranthene	**260**		45	9.7	ug/Kg	☼	09/24/21 18:00	09/27/21 13:50	1
Benzo[g,h,i]perylene	**65**		45	14	ug/Kg	☼	09/24/21 18:00	09/27/21 13:50	1
Benzo[k]fluoranthene	**85**		45	13	ug/Kg	☼	09/24/21 18:00	09/27/21 13:50	1
Chrysene	**160**		45	12	ug/Kg	☼	09/24/21 18:00	09/27/21 13:50	1
Dibenz(a,h)anthracene	**20**	**J**	45	8.7	ug/Kg	☼	09/24/21 18:00	09/27/21 13:50	1
Fluoranthene	**300**		45	8.3	ug/Kg	☼	09/24/21 18:00	09/27/21 13:50	1
Fluorene	**13**	**J**	45	6.3	ug/Kg	☼	09/24/21 18:00	09/27/21 13:50	1
Indeno[1,2,3-cd]pyrene	**63**		45	12	ug/Kg	☼	09/24/21 18:00	09/27/21 13:50	1
Naphthalene	**16**	**J**	45	6.9	ug/Kg	☼	09/24/21 18:00	09/27/21 13:50	1
Phenanthrene	**160**		45	6.3	ug/Kg	☼	09/24/21 18:00	09/27/21 13:50	1
Pyrene	**230**		45	8.9	ug/Kg	☼	09/24/21 18:00	09/27/21 13:50	1
1-Methylnaphthalene	**14**	**J**	91	11	ug/Kg	☼	09/24/21 18:00	09/27/21 13:50	1
2-Methylnaphthalene	**14**	**J**	91	8.3	ug/Kg	☼	09/24/21 18:00	09/27/21 13:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*71*		*37 - 147*	*09/24/21 18:00*	*09/27/21 13:50*	*1*
Terphenyl-d14 (Surr)	*83*		*42 - 157*	*09/24/21 18:00*	*09/27/21 13:50*	*1*
2-Fluorobiphenyl (Surr)	*79*		*43 - 145*	*09/24/21 18:00*	*09/27/21 13:50*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**2.2**		1.4	0.47	mg/Kg	☼	09/28/21 11:11	09/29/21 21:18	1
Barium	**58**	**B**	1.4	0.16	mg/Kg	☼	09/28/21 11:11	09/29/21 21:18	1
Cadmium	**0.50**	**B**	0.27	0.049	mg/Kg	☼	09/28/21 11:11	09/29/21 21:18	1

Client: Ramboll US Corporation
Job ID: 500-205623-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: MW-11 (0-4)
Lab Sample ID: 500-205623-3
Date Collected: 09/20/21 14:30
Matrix: Solid
Date Received: 09/23/21 10:10
Percent Solids: 72.2

Method: 6010B - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	16		1.4	0.68	mg/Kg	☼	09/28/21 11:11	09/29/21 21:18	1
Lead	47		0.68	0.32	mg/Kg	☼	09/28/21 11:11	09/29/21 21:18	1
Selenium	<0.80		1.4	0.80	mg/Kg	☼	09/28/21 11:11	09/29/21 21:18	1
Silver	0.21	J	0.68	0.18	mg/Kg	☼	09/28/21 11:11	09/29/21 21:18	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	64		21	7.0	ug/Kg	☼	09/30/21 13:05	10/01/21 08:40	1

Client: Ramboll US Corporation
Job ID: 500-205623-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: SB-101 (2-4)
Lab Sample ID: 500-205623-4
Date Collected: 09/21/21 09:20
Matrix: Solid
Date Received: 09/23/21 10:10
Percent Solids: 73.6

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<13		22	13	ug/Kg	☼	09/21/21 09:20	09/29/21 15:33	50
Bromobenzene	<31		86	31	ug/Kg	☼	09/21/21 09:20	09/29/21 15:33	50
Bromochloromethane	<37		86	37	ug/Kg	☼	09/21/21 09:20	09/29/21 15:33	50
Bromodichloromethane	<32		86	32	ug/Kg	☼	09/21/21 09:20	09/29/21 15:33	50
Bromoform	<42		86	42	ug/Kg	☼	09/21/21 09:20	09/29/21 15:33	50
Bromomethane	<69	*+	260	69	ug/Kg	☼	09/21/21 09:20	09/29/21 15:33	50
2-Butanone (MEK)	<180		430	180	ug/Kg	☼	09/21/21 09:20	09/29/21 15:33	50
Carbon tetrachloride	<33	*+	86	33	ug/Kg	☼	09/21/21 09:20	09/29/21 15:33	50
Chlorobenzene	<33		86	33	ug/Kg	☼	09/21/21 09:20	09/29/21 15:33	50
Chloroethane	<44	*+	86	44	ug/Kg	☼	09/21/21 09:20	09/29/21 15:33	50
Chloroform	<32		170	32	ug/Kg	☼	09/21/21 09:20	09/29/21 15:33	50
Chloromethane	<28		86	28	ug/Kg	☼	09/21/21 09:20	09/29/21 15:33	50
2-Chlorotoluene	<27		86	27	ug/Kg	☼	09/21/21 09:20	09/29/21 15:33	50
4-Chlorotoluene	<30		86	30	ug/Kg	☼	09/21/21 09:20	09/29/21 15:33	50
cis-1,2-Dichloroethene	<35		86	35	ug/Kg	☼	09/21/21 09:20	09/29/21 15:33	50
cis-1,3-Dichloropropene	<36		86	36	ug/Kg	☼	09/21/21 09:20	09/29/21 15:33	50
Dibromochloromethane	<42		86	42	ug/Kg	☼	09/21/21 09:20	09/29/21 15:33	50
1,2-Dibromo-3-Chloropropane	<170	*-	430	170	ug/Kg	☼	09/21/21 09:20	09/29/21 15:33	50
1,2-Dibromoethane	<33		86	33	ug/Kg	☼	09/21/21 09:20	09/29/21 15:33	50
Dibromomethane	<23		86	23	ug/Kg	☼	09/21/21 09:20	09/29/21 15:33	50
1,2-Dichlorobenzene	<29		86	29	ug/Kg	☼	09/21/21 09:20	09/29/21 15:33	50
1,3-Dichlorobenzene	<35		86	35	ug/Kg	☼	09/21/21 09:20	09/29/21 15:33	50
1,4-Dichlorobenzene	<31		86	31	ug/Kg	☼	09/21/21 09:20	09/29/21 15:33	50
Dichlorodifluoromethane	<58		260	58	ug/Kg	☼	09/21/21 09:20	09/29/21 15:33	50
1,1-Dichloroethane	<35		86	35	ug/Kg	☼	09/21/21 09:20	09/29/21 15:33	50
1,2-Dichloroethane	<34		86	34	ug/Kg	☼	09/21/21 09:20	09/29/21 15:33	50
1,1-Dichloroethene	<34		86	34	ug/Kg	☼	09/21/21 09:20	09/29/21 15:33	50
1,2-Dichloropropane	<37		86	37	ug/Kg	☼	09/21/21 09:20	09/29/21 15:33	50
1,3-Dichloropropane	<31		86	31	ug/Kg	☼	09/21/21 09:20	09/29/21 15:33	50
2,2-Dichloropropane	<38	*+	86	38	ug/Kg	☼	09/21/21 09:20	09/29/21 15:33	50
1,1-Dichloropropene	<26		86	26	ug/Kg	☼	09/21/21 09:20	09/29/21 15:33	50
Ethylbenzene	<16		22	16	ug/Kg	☼	09/21/21 09:20	09/29/21 15:33	50
Hexachlorobutadiene	<39		86	39	ug/Kg	☼	09/21/21 09:20	09/29/21 15:33	50
Isopropylbenzene	<33		86	33	ug/Kg	☼	09/21/21 09:20	09/29/21 15:33	50
Isopropyl ether	<24		86	24	ug/Kg	☼	09/21/21 09:20	09/29/21 15:33	50
Methylene Chloride	<140		430	140	ug/Kg	☼	09/21/21 09:20	09/29/21 15:33	50
Methyl tert-butyl ether	<34		86	34	ug/Kg	☼	09/21/21 09:20	09/29/21 15:33	50
Naphthalene	<29		86	29	ug/Kg	☼	09/21/21 09:20	09/29/21 15:33	50
n-Butylbenzene	<34		86	34	ug/Kg	☼	09/21/21 09:20	09/29/21 15:33	50
N-Propylbenzene	<36		86	36	ug/Kg	☼	09/21/21 09:20	09/29/21 15:33	50
p-Isopropyltoluene	<31		86	31	ug/Kg	☼	09/21/21 09:20	09/29/21 15:33	50
sec-Butylbenzene	<34		86	34	ug/Kg	☼	09/21/21 09:20	09/29/21 15:33	50
Styrene	<33		86	33	ug/Kg	☼	09/21/21 09:20	09/29/21 15:33	50
tert-Butylbenzene	<34		86	34	ug/Kg	☼	09/21/21 09:20	09/29/21 15:33	50
1,1,1,2-Tetrachloroethane	<40		86	40	ug/Kg	☼	09/21/21 09:20	09/29/21 15:33	50
1,1,2,2-Tetrachloroethane	<34		86	34	ug/Kg	☼	09/21/21 09:20	09/29/21 15:33	50
Tetrachloroethene	<32		86	32	ug/Kg	☼	09/21/21 09:20	09/29/21 15:33	50
Toluene	<13		22	13	ug/Kg	☼	09/21/21 09:20	09/29/21 15:33	50
trans-1,2-Dichloroethene	<30		86	30	ug/Kg	☼	09/21/21 09:20	09/29/21 15:33	50

Client: Ramboll US Corporation
Job ID: 500-205623-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: SB-101 (2-4)
Lab Sample ID: 500-205623-4
Date Collected: 09/21/21 09:20
Matrix: Solid
Date Received: 09/23/21 10:10
Percent Solids: 73.6

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<31		86	31	ug/Kg	☼	09/21/21 09:20	09/29/21 15:33	50
1,2,3-Trichlorobenzene	<40		86	40	ug/Kg	☼	09/21/21 09:20	09/29/21 15:33	50
1,2,4-Trichlorobenzene	<30		86	30	ug/Kg	☼	09/21/21 09:20	09/29/21 15:33	50
1,1,1-Trichloroethane	<33	*+	86	33	ug/Kg	☼	09/21/21 09:20	09/29/21 15:33	50
1,1,2-Trichloroethane	<30		86	30	ug/Kg	☼	09/21/21 09:20	09/29/21 15:33	50
Trichloroethene	<14		43	14	ug/Kg	☼	09/21/21 09:20	09/29/21 15:33	50
Trichlorofluoromethane	<37	*+	86	37	ug/Kg	☼	09/21/21 09:20	09/29/21 15:33	50
1,2,3-Trichloropropane	<36		170	36	ug/Kg	☼	09/21/21 09:20	09/29/21 15:33	50
1,2,4-Trimethylbenzene	<31		86	31	ug/Kg	☼	09/21/21 09:20	09/29/21 15:33	50
1,3,5-Trimethylbenzene	<33		86	33	ug/Kg	☼	09/21/21 09:20	09/29/21 15:33	50
Vinyl chloride	<23		86	23	ug/Kg	☼	09/21/21 09:20	09/29/21 15:33	50
Xylenes, Total	<19		43	19	ug/Kg	☼	09/21/21 09:20	09/29/21 15:33	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*72 - 124*	*09/21/21 09:20*	*09/29/21 15:33*	*50*
Dibromofluoromethane (Surr)	*92*		*75 - 120*	*09/21/21 09:20*	*09/29/21 15:33*	*50*
1,2-Dichloroethane-d4 (Surr)	*109*		*75 - 126*	*09/21/21 09:20*	*09/29/21 15:33*	*50*
Toluene-d8 (Surr)	*90*		*75 - 120*	*09/21/21 09:20*	*09/29/21 15:33*	*50*

Client: Ramboll US Corporation
Job ID: 500-205623-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: SB-102 (2-4)
Lab Sample ID: 500-205623-5
Date Collected: 09/21/21 09:35
Matrix: Solid
Date Received: 09/23/21 10:10
Percent Solids: 73.9

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<12		21	12	ug/Kg	☼	09/21/21 09:35	09/29/21 15:58	50
Bromobenzene	<30		85	30	ug/Kg	☼	09/21/21 09:35	09/29/21 15:58	50
Bromochloromethane	<36		85	36	ug/Kg	☼	09/21/21 09:35	09/29/21 15:58	50
Bromodichloromethane	<32		85	32	ug/Kg	☼	09/21/21 09:35	09/29/21 15:58	50
Bromoform	<41		85	41	ug/Kg	☼	09/21/21 09:35	09/29/21 15:58	50
Bromomethane	<68	*+	250	68	ug/Kg	☼	09/21/21 09:35	09/29/21 15:58	50
2-Butanone (MEK)	<180		420	180	ug/Kg	☼	09/21/21 09:35	09/29/21 15:58	50
Carbon tetrachloride	<33	*+	85	33	ug/Kg	☼	09/21/21 09:35	09/29/21 15:58	50
Chlorobenzene	<33		85	33	ug/Kg	☼	09/21/21 09:35	09/29/21 15:58	50
Chloroethane	<43	*+	85	43	ug/Kg	☼	09/21/21 09:35	09/29/21 15:58	50
Chloroform	<31		170	31	ug/Kg	☼	09/21/21 09:35	09/29/21 15:58	50
Chloromethane	<27		85	27	ug/Kg	☼	09/21/21 09:35	09/29/21 15:58	50
2-Chlorotoluene	<27		85	27	ug/Kg	☼	09/21/21 09:35	09/29/21 15:58	50
4-Chlorotoluene	<30		85	30	ug/Kg	☼	09/21/21 09:35	09/29/21 15:58	50
cis-1,2-Dichloroethene	<35		85	35	ug/Kg	☼	09/21/21 09:35	09/29/21 15:58	50
cis-1,3-Dichloropropene	<35		85	35	ug/Kg	☼	09/21/21 09:35	09/29/21 15:58	50
Dibromochloromethane	<41		85	41	ug/Kg	☼	09/21/21 09:35	09/29/21 15:58	50
1,2-Dibromo-3-Chloropropane	<170	*-	420	170	ug/Kg	☼	09/21/21 09:35	09/29/21 15:58	50
1,2-Dibromoethane	<33		85	33	ug/Kg	☼	09/21/21 09:35	09/29/21 15:58	50
Dibromomethane	<23		85	23	ug/Kg	☼	09/21/21 09:35	09/29/21 15:58	50
1,2-Dichlorobenzene	<28		85	28	ug/Kg	☼	09/21/21 09:35	09/29/21 15:58	50
1,3-Dichlorobenzene	<34		85	34	ug/Kg	☼	09/21/21 09:35	09/29/21 15:58	50
1,4-Dichlorobenzene	<31		85	31	ug/Kg	☼	09/21/21 09:35	09/29/21 15:58	50
Dichlorodifluoromethane	<57		250	57	ug/Kg	☼	09/21/21 09:35	09/29/21 15:58	50
1,1-Dichloroethane	<35		85	35	ug/Kg	☼	09/21/21 09:35	09/29/21 15:58	50
1,2-Dichloroethane	<33		85	33	ug/Kg	☼	09/21/21 09:35	09/29/21 15:58	50
1,1-Dichloroethene	<33		85	33	ug/Kg	☼	09/21/21 09:35	09/29/21 15:58	50
1,2-Dichloropropane	<36		85	36	ug/Kg	☼	09/21/21 09:35	09/29/21 15:58	50
1,3-Dichloropropane	<31		85	31	ug/Kg	☼	09/21/21 09:35	09/29/21 15:58	50
2,2-Dichloropropane	<38	*+	85	38	ug/Kg	☼	09/21/21 09:35	09/29/21 15:58	50
1,1-Dichloropropene	<25		85	25	ug/Kg	☼	09/21/21 09:35	09/29/21 15:58	50
Ethylbenzene	<16		21	16	ug/Kg	☼	09/21/21 09:35	09/29/21 15:58	50
Hexachlorobutadiene	<38		85	38	ug/Kg	☼	09/21/21 09:35	09/29/21 15:58	50
Isopropylbenzene	<33		85	33	ug/Kg	☼	09/21/21 09:35	09/29/21 15:58	50
Isopropyl ether	<23		85	23	ug/Kg	☼	09/21/21 09:35	09/29/21 15:58	50
Methylene Chloride	<140		420	140	ug/Kg	☼	09/21/21 09:35	09/29/21 15:58	50
Methyl tert-butyl ether	<33		85	33	ug/Kg	☼	09/21/21 09:35	09/29/21 15:58	50
Naphthalene	<28		85	28	ug/Kg	☼	09/21/21 09:35	09/29/21 15:58	50
n-Butylbenzene	<33		85	33	ug/Kg	☼	09/21/21 09:35	09/29/21 15:58	50
N-Propylbenzene	<35		85	35	ug/Kg	☼	09/21/21 09:35	09/29/21 15:58	50
p-Isopropyltoluene	<31		85	31	ug/Kg	☼	09/21/21 09:35	09/29/21 15:58	50
sec-Butylbenzene	<34		85	34	ug/Kg	☼	09/21/21 09:35	09/29/21 15:58	50
Styrene	<33		85	33	ug/Kg	☼	09/21/21 09:35	09/29/21 15:58	50
tert-Butylbenzene	<34		85	34	ug/Kg	☼	09/21/21 09:35	09/29/21 15:58	50
1,1,1,2-Tetrachloroethane	<39		85	39	ug/Kg	☼	09/21/21 09:35	09/29/21 15:58	50
1,1,2,2-Tetrachloroethane	<34		85	34	ug/Kg	☼	09/21/21 09:35	09/29/21 15:58	50
Tetrachloroethene	<31		85	31	ug/Kg	☼	09/21/21 09:35	09/29/21 15:58	50
Toluene	<12		21	12	ug/Kg	☼	09/21/21 09:35	09/29/21 15:58	50
trans-1,2-Dichloroethene	<30		85	30	ug/Kg	☼	09/21/21 09:35	09/29/21 15:58	50

Client: Ramboll US Corporation
Job ID: 500-205623-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: SB-102 (2-4)
Lab Sample ID: 500-205623-5
Date Collected: 09/21/21 09:35
Matrix: Solid
Date Received: 09/23/21 10:10
Percent Solids: 73.9

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<31		85	31	ug/Kg	☼	09/21/21 09:35	09/29/21 15:58	50
1,2,3-Trichlorobenzene	<39		85	39	ug/Kg	☼	09/21/21 09:35	09/29/21 15:58	50
1,2,4-Trichlorobenzene	<29		85	29	ug/Kg	☼	09/21/21 09:35	09/29/21 15:58	50
1,1,1-Trichloroethane	<32	*+	85	32	ug/Kg	☼	09/21/21 09:35	09/29/21 15:58	50
1,1,2-Trichloroethane	<30		85	30	ug/Kg	☼	09/21/21 09:35	09/29/21 15:58	50
Trichloroethene	<14		42	14	ug/Kg	☼	09/21/21 09:35	09/29/21 15:58	50
Trichlorofluoromethane	<36	*+	85	36	ug/Kg	☼	09/21/21 09:35	09/29/21 15:58	50
1,2,3-Trichloropropane	<35		170	35	ug/Kg	☼	09/21/21 09:35	09/29/21 15:58	50
1,2,4-Trimethylbenzene	<30		85	30	ug/Kg	☼	09/21/21 09:35	09/29/21 15:58	50
1,3,5-Trimethylbenzene	<32		85	32	ug/Kg	☼	09/21/21 09:35	09/29/21 15:58	50
Vinyl chloride	<22		85	22	ug/Kg	☼	09/21/21 09:35	09/29/21 15:58	50
Xylenes, Total	<19		42	19	ug/Kg	☼	09/21/21 09:35	09/29/21 15:58	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*72 - 124*	*09/21/21 09:35*	*09/29/21 15:58*	*50*
Dibromofluoromethane (Surr)	*91*		*75 - 120*	*09/21/21 09:35*	*09/29/21 15:58*	*50*
1,2-Dichloroethane-d4 (Surr)	*108*		*75 - 126*	*09/21/21 09:35*	*09/29/21 15:58*	*50*
Toluene-d8 (Surr)	*87*		*75 - 120*	*09/21/21 09:35*	*09/29/21 15:58*	*50*

Client: Ramboll US Corporation
Job ID: 500-205623-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: SB-104 (2-4)
Lab Sample ID: 500-205623-6
Date Collected: 09/21/21 09:45
Matrix: Solid
Date Received: 09/23/21 10:10
Percent Solids: 71.5

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<13		23	13	ug/Kg	☼	09/21/21 09:45	09/29/21 16:24	50
Bromobenzene	<32		90	32	ug/Kg	☼	09/21/21 09:45	09/29/21 16:24	50
Bromochloromethane	<39		90	39	ug/Kg	☼	09/21/21 09:45	09/29/21 16:24	50
Bromodichloromethane	<34		90	34	ug/Kg	☼	09/21/21 09:45	09/29/21 16:24	50
Bromoform	<44		90	44	ug/Kg	☼	09/21/21 09:45	09/29/21 16:24	50
Bromomethane	<72	*+	270	72	ug/Kg	☼	09/21/21 09:45	09/29/21 16:24	50
2-Butanone (MEK)	<190		450	190	ug/Kg	☼	09/21/21 09:45	09/29/21 16:24	50
Carbon tetrachloride	<35	*+	90	35	ug/Kg	☼	09/21/21 09:45	09/29/21 16:24	50
Chlorobenzene	<35		90	35	ug/Kg	☼	09/21/21 09:45	09/29/21 16:24	50
Chloroethane	<45	*+	90	45	ug/Kg	☼	09/21/21 09:45	09/29/21 16:24	50
Chloroform	<33		180	33	ug/Kg	☼	09/21/21 09:45	09/29/21 16:24	50
Chloromethane	<29		90	29	ug/Kg	☼	09/21/21 09:45	09/29/21 16:24	50
2-Chlorotoluene	<28		90	28	ug/Kg	☼	09/21/21 09:45	09/29/21 16:24	50
4-Chlorotoluene	<32		90	32	ug/Kg	☼	09/21/21 09:45	09/29/21 16:24	50
cis-1,2-Dichloroethene	<37		90	37	ug/Kg	☼	09/21/21 09:45	09/29/21 16:24	50
cis-1,3-Dichloropropene	<38		90	38	ug/Kg	☼	09/21/21 09:45	09/29/21 16:24	50
Dibromochloromethane	<44		90	44	ug/Kg	☼	09/21/21 09:45	09/29/21 16:24	50
1,2-Dibromo-3-Chloropropane	<180	*-	450	180	ug/Kg	☼	09/21/21 09:45	09/29/21 16:24	50
1,2-Dibromoethane	<35		90	35	ug/Kg	☼	09/21/21 09:45	09/29/21 16:24	50
Dibromomethane	<24		90	24	ug/Kg	☼	09/21/21 09:45	09/29/21 16:24	50
1,2-Dichlorobenzene	<30		90	30	ug/Kg	☼	09/21/21 09:45	09/29/21 16:24	50
1,3-Dichlorobenzene	<36		90	36	ug/Kg	☼	09/21/21 09:45	09/29/21 16:24	50
1,4-Dichlorobenzene	<33		90	33	ug/Kg	☼	09/21/21 09:45	09/29/21 16:24	50
Dichlorodifluoromethane	<61		270	61	ug/Kg	☼	09/21/21 09:45	09/29/21 16:24	50
1,1-Dichloroethane	<37		90	37	ug/Kg	☼	09/21/21 09:45	09/29/21 16:24	50
1,2-Dichloroethane	<35		90	35	ug/Kg	☼	09/21/21 09:45	09/29/21 16:24	50
1,1-Dichloroethene	<35		90	35	ug/Kg	☼	09/21/21 09:45	09/29/21 16:24	50
1,2-Dichloropropane	<39		90	39	ug/Kg	☼	09/21/21 09:45	09/29/21 16:24	50
1,3-Dichloropropane	<33		90	33	ug/Kg	☼	09/21/21 09:45	09/29/21 16:24	50
2,2-Dichloropropane	<40	*+	90	40	ug/Kg	☼	09/21/21 09:45	09/29/21 16:24	50
1,1-Dichloropropene	<27		90	27	ug/Kg	☼	09/21/21 09:45	09/29/21 16:24	50
Ethylbenzene	<17		23	17	ug/Kg	☼	09/21/21 09:45	09/29/21 16:24	50
Hexachlorobutadiene	<40		90	40	ug/Kg	☼	09/21/21 09:45	09/29/21 16:24	50
Isopropylbenzene	<35		90	35	ug/Kg	☼	09/21/21 09:45	09/29/21 16:24	50
Isopropyl ether	<25		90	25	ug/Kg	☼	09/21/21 09:45	09/29/21 16:24	50
Methylene Chloride	<150		450	150	ug/Kg	☼	09/21/21 09:45	09/29/21 16:24	50
Methyl tert-butyl ether	<36		90	36	ug/Kg	☼	09/21/21 09:45	09/29/21 16:24	50
Naphthalene	<30		90	30	ug/Kg	☼	09/21/21 09:45	09/29/21 16:24	50
n-Butylbenzene	<35		90	35	ug/Kg	☼	09/21/21 09:45	09/29/21 16:24	50
N-Propylbenzene	<37		90	37	ug/Kg	☼	09/21/21 09:45	09/29/21 16:24	50
p-Isopropyltoluene	<33		90	33	ug/Kg	☼	09/21/21 09:45	09/29/21 16:24	50
sec-Butylbenzene	<36		90	36	ug/Kg	☼	09/21/21 09:45	09/29/21 16:24	50
Styrene	<35		90	35	ug/Kg	☼	09/21/21 09:45	09/29/21 16:24	50
tert-Butylbenzene	<36		90	36	ug/Kg	☼	09/21/21 09:45	09/29/21 16:24	50
1,1,1,2-Tetrachloroethane	<42		90	42	ug/Kg	☼	09/21/21 09:45	09/29/21 16:24	50
1,1,2,2-Tetrachloroethane	<36		90	36	ug/Kg	☼	09/21/21 09:45	09/29/21 16:24	50
Tetrachloroethene	<33		90	33	ug/Kg	☼	09/21/21 09:45	09/29/21 16:24	50
Toluene	<13		23	13	ug/Kg	☼	09/21/21 09:45	09/29/21 16:24	50
trans-1,2-Dichloroethene	<32		90	32	ug/Kg	☼	09/21/21 09:45	09/29/21 16:24	50

Client: Ramboll US Corporation
Job ID: 500-205623-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: SB-104 (2-4)
Lab Sample ID: 500-205623-6
Date Collected: 09/21/21 09:45
Matrix: Solid
Date Received: 09/23/21 10:10
Percent Solids: 71.5

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<33		90	33	ug/Kg	☼	09/21/21 09:45	09/29/21 16:24	50
1,2,3-Trichlorobenzene	<41		90	41	ug/Kg	☼	09/21/21 09:45	09/29/21 16:24	50
1,2,4-Trichlorobenzene	<31		90	31	ug/Kg	☼	09/21/21 09:45	09/29/21 16:24	50
1,1,1-Trichloroethane	<34	*+	90	34	ug/Kg	☼	09/21/21 09:45	09/29/21 16:24	50
1,1,2-Trichloroethane	<32		90	32	ug/Kg	☼	09/21/21 09:45	09/29/21 16:24	50
Trichloroethene	<15		45	15	ug/Kg	☼	09/21/21 09:45	09/29/21 16:24	50
Trichlorofluoromethane	<39	*+	90	39	ug/Kg	☼	09/21/21 09:45	09/29/21 16:24	50
1,2,3-Trichloropropane	<37		180	37	ug/Kg	☼	09/21/21 09:45	09/29/21 16:24	50
1,2,4-Trimethylbenzene	<32		90	32	ug/Kg	☼	09/21/21 09:45	09/29/21 16:24	50
1,3,5-Trimethylbenzene	<34		90	34	ug/Kg	☼	09/21/21 09:45	09/29/21 16:24	50
Vinyl chloride	<24		90	24	ug/Kg	☼	09/21/21 09:45	09/29/21 16:24	50
Xylenes, Total	<20		45	20	ug/Kg	☼	09/21/21 09:45	09/29/21 16:24	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*72 - 124*	*09/21/21 09:45*	*09/29/21 16:24*	*50*
Dibromofluoromethane (Surr)	*91*		*75 - 120*	*09/21/21 09:45*	*09/29/21 16:24*	*50*
1,2-Dichloroethane-d4 (Surr)	*109*		*75 - 126*	*09/21/21 09:45*	*09/29/21 16:24*	*50*
Toluene-d8 (Surr)	*89*		*75 - 120*	*09/21/21 09:45*	*09/29/21 16:24*	*50*

Client: Ramboll US Corporation
Job ID: 500-205623-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: SB-103 (1.5-3.5)
Lab Sample ID: 500-205623-7
Date Collected: 09/21/21 10:00
Matrix: Solid
Date Received: 09/23/21 10:10
Percent Solids: 75.9

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<12		21	12	ug/Kg	☼	09/21/21 10:00	09/29/21 16:49	50
Bromobenzene	<29		82	29	ug/Kg	☼	09/21/21 10:00	09/29/21 16:49	50
Bromochloromethane	<35		82	35	ug/Kg	☼	09/21/21 10:00	09/29/21 16:49	50
Bromodichloromethane	<31		82	31	ug/Kg	☼	09/21/21 10:00	09/29/21 16:49	50
Bromoform	<40		82	40	ug/Kg	☼	09/21/21 10:00	09/29/21 16:49	50
Bromomethane	<65	*+	250	65	ug/Kg	☼	09/21/21 10:00	09/29/21 16:49	50
2-Butanone (MEK)	<170		410	170	ug/Kg	☼	09/21/21 10:00	09/29/21 16:49	50
Carbon tetrachloride	<31	*+	82	31	ug/Kg	☼	09/21/21 10:00	09/29/21 16:49	50
Chlorobenzene	<32		82	32	ug/Kg	☼	09/21/21 10:00	09/29/21 16:49	50
Chloroethane	<41	*+	82	41	ug/Kg	☼	09/21/21 10:00	09/29/21 16:49	50
Chloroform	<30		160	30	ug/Kg	☼	09/21/21 10:00	09/29/21 16:49	50
Chloromethane	<26		82	26	ug/Kg	☼	09/21/21 10:00	09/29/21 16:49	50
2-Chlorotoluene	<26		82	26	ug/Kg	☼	09/21/21 10:00	09/29/21 16:49	50
4-Chlorotoluene	<29		82	29	ug/Kg	☼	09/21/21 10:00	09/29/21 16:49	50
cis-1,2-Dichloroethene	<33		82	33	ug/Kg	☼	09/21/21 10:00	09/29/21 16:49	50
cis-1,3-Dichloropropene	<34		82	34	ug/Kg	☼	09/21/21 10:00	09/29/21 16:49	50
Dibromochloromethane	<40		82	40	ug/Kg	☼	09/21/21 10:00	09/29/21 16:49	50
1,2-Dibromo-3-Chloropropane	<160	*-	410	160	ug/Kg	☼	09/21/21 10:00	09/29/21 16:49	50
1,2-Dibromoethane	<32		82	32	ug/Kg	☼	09/21/21 10:00	09/29/21 16:49	50
Dibromomethane	<22		82	22	ug/Kg	☼	09/21/21 10:00	09/29/21 16:49	50
1,2-Dichlorobenzene	<27		82	27	ug/Kg	☼	09/21/21 10:00	09/29/21 16:49	50
1,3-Dichlorobenzene	<33		82	33	ug/Kg	☼	09/21/21 10:00	09/29/21 16:49	50
1,4-Dichlorobenzene	<30		82	30	ug/Kg	☼	09/21/21 10:00	09/29/21 16:49	50
Dichlorodifluoromethane	<55		250	55	ug/Kg	☼	09/21/21 10:00	09/29/21 16:49	50
1,1-Dichloroethane	<34		82	34	ug/Kg	☼	09/21/21 10:00	09/29/21 16:49	50
1,2-Dichloroethane	<32		82	32	ug/Kg	☼	09/21/21 10:00	09/29/21 16:49	50
1,1-Dichloroethene	<32		82	32	ug/Kg	☼	09/21/21 10:00	09/29/21 16:49	50
1,2-Dichloropropane	<35		82	35	ug/Kg	☼	09/21/21 10:00	09/29/21 16:49	50
1,3-Dichloropropane	<30		82	30	ug/Kg	☼	09/21/21 10:00	09/29/21 16:49	50
2,2-Dichloropropane	<36	*+	82	36	ug/Kg	☼	09/21/21 10:00	09/29/21 16:49	50
1,1-Dichloropropene	<24		82	24	ug/Kg	☼	09/21/21 10:00	09/29/21 16:49	50
Ethylbenzene	<15		21	15	ug/Kg	☼	09/21/21 10:00	09/29/21 16:49	50
Hexachlorobutadiene	<37		82	37	ug/Kg	☼	09/21/21 10:00	09/29/21 16:49	50
Isopropylbenzene	<31		82	31	ug/Kg	☼	09/21/21 10:00	09/29/21 16:49	50
Isopropyl ether	<23		82	23	ug/Kg	☼	09/21/21 10:00	09/29/21 16:49	50
Methylene Chloride	<130		410	130	ug/Kg	☼	09/21/21 10:00	09/29/21 16:49	50
Methyl tert-butyl ether	<32		82	32	ug/Kg	☼	09/21/21 10:00	09/29/21 16:49	50
Naphthalene	<27		82	27	ug/Kg	☼	09/21/21 10:00	09/29/21 16:49	50
n-Butylbenzene	<32		82	32	ug/Kg	☼	09/21/21 10:00	09/29/21 16:49	50
N-Propylbenzene	<34		82	34	ug/Kg	☼	09/21/21 10:00	09/29/21 16:49	50
p-Isopropyltoluene	<30		82	30	ug/Kg	☼	09/21/21 10:00	09/29/21 16:49	50
sec-Butylbenzene	<33		82	33	ug/Kg	☼	09/21/21 10:00	09/29/21 16:49	50
Styrene	<32		82	32	ug/Kg	☼	09/21/21 10:00	09/29/21 16:49	50
tert-Butylbenzene	<33		82	33	ug/Kg	☼	09/21/21 10:00	09/29/21 16:49	50
1,1,1,2-Tetrachloroethane	<38		82	38	ug/Kg	☼	09/21/21 10:00	09/29/21 16:49	50
1,1,2,2-Tetrachloroethane	<33		82	33	ug/Kg	☼	09/21/21 10:00	09/29/21 16:49	50
Tetrachloroethene	<30		82	30	ug/Kg	☼	09/21/21 10:00	09/29/21 16:49	50
Toluene	<12		21	12	ug/Kg	☼	09/21/21 10:00	09/29/21 16:49	50
trans-1,2-Dichloroethene	<29		82	29	ug/Kg	☼	09/21/21 10:00	09/29/21 16:49	50

Client: Ramboll US Corporation
Job ID: 500-205623-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: SB-103 (1.5-3.5)
Lab Sample ID: 500-205623-7
Date Collected: 09/21/21 10:00
Matrix: Solid
Date Received: 09/23/21 10:10
Percent Solids: 75.9

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<30		82	30	ug/Kg	☼	09/21/21 10:00	09/29/21 16:49	50
1,2,3-Trichlorobenzene	<38		82	38	ug/Kg	☼	09/21/21 10:00	09/29/21 16:49	50
1,2,4-Trichlorobenzene	<28		82	28	ug/Kg	☼	09/21/21 10:00	09/29/21 16:49	50
1,1,1-Trichloroethane	<31	*+	82	31	ug/Kg	☼	09/21/21 10:00	09/29/21 16:49	50
1,1,2-Trichloroethane	<29		82	29	ug/Kg	☼	09/21/21 10:00	09/29/21 16:49	50
Trichloroethene	<13		41	13	ug/Kg	☼	09/21/21 10:00	09/29/21 16:49	50
Trichlorofluoromethane	<35	*+	82	35	ug/Kg	☼	09/21/21 10:00	09/29/21 16:49	50
1,2,3-Trichloropropane	<34		160	34	ug/Kg	☼	09/21/21 10:00	09/29/21 16:49	50
1,2,4-Trimethylbenzene	<29		82	29	ug/Kg	☼	09/21/21 10:00	09/29/21 16:49	50
1,3,5-Trimethylbenzene	<31		82	31	ug/Kg	☼	09/21/21 10:00	09/29/21 16:49	50
Vinyl chloride	<21		82	21	ug/Kg	☼	09/21/21 10:00	09/29/21 16:49	50
Xylenes, Total	<18		41	18	ug/Kg	☼	09/21/21 10:00	09/29/21 16:49	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*72 - 124*	*09/21/21 10:00*	*09/29/21 16:49*	*50*
Dibromofluoromethane (Surr)	*92*		*75 - 120*	*09/21/21 10:00*	*09/29/21 16:49*	*50*
1,2-Dichloroethane-d4 (Surr)	*109*		*75 - 126*	*09/21/21 10:00*	*09/29/21 16:49*	*50*
Toluene-d8 (Surr)	*88*		*75 - 120*	*09/21/21 10:00*	*09/29/21 16:49*	*50*

Client: Ramboll US Corporation
Job ID: 500-205623-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: SB-106 (2-4)
Lab Sample ID: 500-205623-8
Date Collected: 09/21/21 10:20
Matrix: Solid
Date Received: 09/23/21 10:10
Percent Solids: 69.6

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**15**	**J**	23	14	ug/Kg	☼	09/21/21 10:20	09/29/21 17:14	50
Bromobenzene	<33		93	33	ug/Kg	☼	09/21/21 10:20	09/29/21 17:14	50
Bromochloromethane	<40		93	40	ug/Kg	☼	09/21/21 10:20	09/29/21 17:14	50
Bromodichloromethane	<35		93	35	ug/Kg	☼	09/21/21 10:20	09/29/21 17:14	50
Bromoform	<45		93	45	ug/Kg	☼	09/21/21 10:20	09/29/21 17:14	50
Bromomethane	<74	*+	280	74	ug/Kg	☼	09/21/21 10:20	09/29/21 17:14	50
2-Butanone (MEK)	<200		470	200	ug/Kg	☼	09/21/21 10:20	09/29/21 17:14	50
Carbon tetrachloride	<36	*+	93	36	ug/Kg	☼	09/21/21 10:20	09/29/21 17:14	50
Chlorobenzene	<36		93	36	ug/Kg	☼	09/21/21 10:20	09/29/21 17:14	50
Chloroethane	<47	*+	93	47	ug/Kg	☼	09/21/21 10:20	09/29/21 17:14	50
Chloroform	<35		190	35	ug/Kg	☼	09/21/21 10:20	09/29/21 17:14	50
Chloromethane	<30		93	30	ug/Kg	☼	09/21/21 10:20	09/29/21 17:14	50
2-Chlorotoluene	<29		93	29	ug/Kg	☼	09/21/21 10:20	09/29/21 17:14	50
4-Chlorotoluene	<33		93	33	ug/Kg	☼	09/21/21 10:20	09/29/21 17:14	50
cis-1,2-Dichloroethene	<38		93	38	ug/Kg	☼	09/21/21 10:20	09/29/21 17:14	50
cis-1,3-Dichloropropene	<39		93	39	ug/Kg	☼	09/21/21 10:20	09/29/21 17:14	50
Dibromochloromethane	<46		93	46	ug/Kg	☼	09/21/21 10:20	09/29/21 17:14	50
1,2-Dibromo-3-Chloropropane	<190	*-	470	190	ug/Kg	☼	09/21/21 10:20	09/29/21 17:14	50
1,2-Dibromoethane	<36		93	36	ug/Kg	☼	09/21/21 10:20	09/29/21 17:14	50
Dibromomethane	<25		93	25	ug/Kg	☼	09/21/21 10:20	09/29/21 17:14	50
1,2-Dichlorobenzene	<31		93	31	ug/Kg	☼	09/21/21 10:20	09/29/21 17:14	50
1,3-Dichlorobenzene	<37		93	37	ug/Kg	☼	09/21/21 10:20	09/29/21 17:14	50
1,4-Dichlorobenzene	<34		93	34	ug/Kg	☼	09/21/21 10:20	09/29/21 17:14	50
Dichlorodifluoromethane	<63		280	63	ug/Kg	☼	09/21/21 10:20	09/29/21 17:14	50
1,1-Dichloroethane	<38		93	38	ug/Kg	☼	09/21/21 10:20	09/29/21 17:14	50
1,2-Dichloroethane	<37		93	37	ug/Kg	☼	09/21/21 10:20	09/29/21 17:14	50
1,1-Dichloroethene	<36		93	36	ug/Kg	☼	09/21/21 10:20	09/29/21 17:14	50
1,2-Dichloropropane	<40		93	40	ug/Kg	☼	09/21/21 10:20	09/29/21 17:14	50
1,3-Dichloropropane	<34		93	34	ug/Kg	☼	09/21/21 10:20	09/29/21 17:14	50
2,2-Dichloropropane	<41	*+	93	41	ug/Kg	☼	09/21/21 10:20	09/29/21 17:14	50
1,1-Dichloropropene	<28		93	28	ug/Kg	☼	09/21/21 10:20	09/29/21 17:14	50
Ethylbenzene	<17		23	17	ug/Kg	☼	09/21/21 10:20	09/29/21 17:14	50
Hexachlorobutadiene	<42		93	42	ug/Kg	☼	09/21/21 10:20	09/29/21 17:14	50
Isopropylbenzene	<36		93	36	ug/Kg	☼	09/21/21 10:20	09/29/21 17:14	50
Isopropyl ether	<26		93	26	ug/Kg	☼	09/21/21 10:20	09/29/21 17:14	50
Methylene Chloride	<150		470	150	ug/Kg	☼	09/21/21 10:20	09/29/21 17:14	50
Methyl tert-butyl ether	<37		93	37	ug/Kg	☼	09/21/21 10:20	09/29/21 17:14	50
Naphthalene	<31		93	31	ug/Kg	☼	09/21/21 10:20	09/29/21 17:14	50
n-Butylbenzene	<36		93	36	ug/Kg	☼	09/21/21 10:20	09/29/21 17:14	50
N-Propylbenzene	<39		93	39	ug/Kg	☼	09/21/21 10:20	09/29/21 17:14	50
p-Isopropyltoluene	<34		93	34	ug/Kg	☼	09/21/21 10:20	09/29/21 17:14	50
sec-Butylbenzene	<37		93	37	ug/Kg	☼	09/21/21 10:20	09/29/21 17:14	50
Styrene	<36		93	36	ug/Kg	☼	09/21/21 10:20	09/29/21 17:14	50
tert-Butylbenzene	<37		93	37	ug/Kg	☼	09/21/21 10:20	09/29/21 17:14	50
1,1,1,2-Tetrachloroethane	<43		93	43	ug/Kg	☼	09/21/21 10:20	09/29/21 17:14	50
1,1,2,2-Tetrachloroethane	<37		93	37	ug/Kg	☼	09/21/21 10:20	09/29/21 17:14	50
Tetrachloroethene	<35		93	35	ug/Kg	☼	09/21/21 10:20	09/29/21 17:14	50
Toluene	<14		23	14	ug/Kg	☼	09/21/21 10:20	09/29/21 17:14	50
trans-1,2-Dichloroethene	<33		93	33	ug/Kg	☼	09/21/21 10:20	09/29/21 17:14	50

Client: Ramboll US Corporation
Job ID: 500-205623-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: SB-106 (2-4)
Lab Sample ID: 500-205623-8
Date Collected: 09/21/21 10:20
Matrix: Solid
Date Received: 09/23/21 10:10
Percent Solids: 69.6

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<34		93	34	ug/Kg	☼	09/21/21 10:20	09/29/21 17:14	50
1,2,3-Trichlorobenzene	<43		93	43	ug/Kg	☼	09/21/21 10:20	09/29/21 17:14	50
1,2,4-Trichlorobenzene	<32		93	32	ug/Kg	☼	09/21/21 10:20	09/29/21 17:14	50
1,1,1-Trichloroethane	<35	*+	93	35	ug/Kg	☼	09/21/21 10:20	09/29/21 17:14	50
1,1,2-Trichloroethane	<33		93	33	ug/Kg	☼	09/21/21 10:20	09/29/21 17:14	50
Trichloroethene	<15		47	15	ug/Kg	☼	09/21/21 10:20	09/29/21 17:14	50
Trichlorofluoromethane	<40	*+	93	40	ug/Kg	☼	09/21/21 10:20	09/29/21 17:14	50
1,2,3-Trichloropropane	<39		190	39	ug/Kg	☼	09/21/21 10:20	09/29/21 17:14	50
1,2,4-Trimethylbenzene	<33		93	33	ug/Kg	☼	09/21/21 10:20	09/29/21 17:14	50
1,3,5-Trimethylbenzene	<35		93	35	ug/Kg	☼	09/21/21 10:20	09/29/21 17:14	50
Vinyl chloride	<24		93	24	ug/Kg	☼	09/21/21 10:20	09/29/21 17:14	50
Xylenes, Total	<21		47	21	ug/Kg	☼	09/21/21 10:20	09/29/21 17:14	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*72 - 124*	*09/21/21 10:20*	*09/29/21 17:14*	*50*
Dibromofluoromethane (Surr)	*90*		*75 - 120*	*09/21/21 10:20*	*09/29/21 17:14*	*50*
1,2-Dichloroethane-d4 (Surr)	*108*		*75 - 126*	*09/21/21 10:20*	*09/29/21 17:14*	*50*
Toluene-d8 (Surr)	*90*		*75 - 120*	*09/21/21 10:20*	*09/29/21 17:14*	*50*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<43		240	43	ug/Kg	☼	09/24/21 18:00	09/28/21 14:12	5
Acenaphthylene	<31		240	31	ug/Kg	☼	09/24/21 18:00	09/28/21 14:12	5
Anthracene	<40		240	40	ug/Kg	☼	09/24/21 18:00	09/28/21 14:12	5
Benzo[a]anthracene	<32		240	32	ug/Kg	☼	09/24/21 18:00	09/28/21 14:12	5
Benzo[a]pyrene	<46		240	46	ug/Kg	☼	09/24/21 18:00	09/28/21 14:12	5
Benzo[b]fluoranthene	<51		240	51	ug/Kg	☼	09/24/21 18:00	09/28/21 14:12	5
Benzo[g,h,i]perylene	<77		240	77	ug/Kg	☼	09/24/21 18:00	09/28/21 14:12	5
Benzo[k]fluoranthene	<70		240	70	ug/Kg	☼	09/24/21 18:00	09/28/21 14:12	5
Chrysene	<65		240	65	ug/Kg	☼	09/24/21 18:00	09/28/21 14:12	5
Dibenz(a,h)anthracene	<46		240	46	ug/Kg	☼	09/24/21 18:00	09/28/21 14:12	5
Fluoranthene	**140**	**J**	240	44	ug/Kg	☼	09/24/21 18:00	09/28/21 14:12	5
Fluorene	**51**	**J**	240	33	ug/Kg	☼	09/24/21 18:00	09/28/21 14:12	5
Indeno[1,2,3-cd]pyrene	<62		240	62	ug/Kg	☼	09/24/21 18:00	09/28/21 14:12	5
Naphthalene	**54**	**J**	240	37	ug/Kg	☼	09/24/21 18:00	09/28/21 14:12	5
Phenanthrene	**100**	**J**	240	33	ug/Kg	☼	09/24/21 18:00	09/28/21 14:12	5
Pyrene	**260**		240	47	ug/Kg	☼	09/24/21 18:00	09/28/21 14:12	5
1-Methylnaphthalene	<58		480	58	ug/Kg	☼	09/24/21 18:00	09/28/21 14:12	5
2-Methylnaphthalene	**49**	**J**	480	44	ug/Kg	☼	09/24/21 18:00	09/28/21 14:12	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*70*		*37 - 147*	*09/24/21 18:00*	*09/28/21 14:12*	*5*
Terphenyl-d14 (Surr)	*88*		*42 - 157*	*09/24/21 18:00*	*09/28/21 14:12*	*5*
2-Fluorobiphenyl (Surr)	*80*		*43 - 145*	*09/24/21 18:00*	*09/28/21 14:12*	*5*

Client: Ramboll US Corporation
Job ID: 500-205623-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: SB-105 (2-4)
Lab Sample ID: 500-205623-9
Date Collected: 09/21/21 10:40
Matrix: Solid
Date Received: 09/23/21 10:10
Percent Solids: 71.5

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**39**		23	13	ug/Kg	☼	09/21/21 10:40	09/29/21 17:39	50
Bromobenzene	<32		90	32	ug/Kg	☼	09/21/21 10:40	09/29/21 17:39	50
Bromochloromethane	<39		90	39	ug/Kg	☼	09/21/21 10:40	09/29/21 17:39	50
Bromodichloromethane	<34		90	34	ug/Kg	☼	09/21/21 10:40	09/29/21 17:39	50
Bromoform	<44		90	44	ug/Kg	☼	09/21/21 10:40	09/29/21 17:39	50
Bromomethane	<72	*+	270	72	ug/Kg	☼	09/21/21 10:40	09/29/21 17:39	50
2-Butanone (MEK)	<190		450	190	ug/Kg	☼	09/21/21 10:40	09/29/21 17:39	50
Carbon tetrachloride	<35	*+	90	35	ug/Kg	☼	09/21/21 10:40	09/29/21 17:39	50
Chlorobenzene	<35		90	35	ug/Kg	☼	09/21/21 10:40	09/29/21 17:39	50
Chloroethane	<46	*+	90	46	ug/Kg	☼	09/21/21 10:40	09/29/21 17:39	50
Chloroform	<33		180	33	ug/Kg	☼	09/21/21 10:40	09/29/21 17:39	50
Chloromethane	<29		90	29	ug/Kg	☼	09/21/21 10:40	09/29/21 17:39	50
2-Chlorotoluene	<28		90	28	ug/Kg	☼	09/21/21 10:40	09/29/21 17:39	50
4-Chlorotoluene	<32		90	32	ug/Kg	☼	09/21/21 10:40	09/29/21 17:39	50
cis-1,2-Dichloroethene	<37		90	37	ug/Kg	☼	09/21/21 10:40	09/29/21 17:39	50
cis-1,3-Dichloropropene	<38		90	38	ug/Kg	☼	09/21/21 10:40	09/29/21 17:39	50
Dibromochloromethane	<44		90	44	ug/Kg	☼	09/21/21 10:40	09/29/21 17:39	50
1,2-Dibromo-3-Chloropropane	<180	*-	450	180	ug/Kg	☼	09/21/21 10:40	09/29/21 17:39	50
1,2-Dibromoethane	<35		90	35	ug/Kg	☼	09/21/21 10:40	09/29/21 17:39	50
Dibromomethane	<24		90	24	ug/Kg	☼	09/21/21 10:40	09/29/21 17:39	50
1,2-Dichlorobenzene	<30		90	30	ug/Kg	☼	09/21/21 10:40	09/29/21 17:39	50
1,3-Dichlorobenzene	<36		90	36	ug/Kg	☼	09/21/21 10:40	09/29/21 17:39	50
1,4-Dichlorobenzene	<33		90	33	ug/Kg	☼	09/21/21 10:40	09/29/21 17:39	50
Dichlorodifluoromethane	<61		270	61	ug/Kg	☼	09/21/21 10:40	09/29/21 17:39	50
1,1-Dichloroethane	<37		90	37	ug/Kg	☼	09/21/21 10:40	09/29/21 17:39	50
1,2-Dichloroethane	<35		90	35	ug/Kg	☼	09/21/21 10:40	09/29/21 17:39	50
1,1-Dichloroethene	<35		90	35	ug/Kg	☼	09/21/21 10:40	09/29/21 17:39	50
1,2-Dichloropropane	<39		90	39	ug/Kg	☼	09/21/21 10:40	09/29/21 17:39	50
1,3-Dichloropropane	<33		90	33	ug/Kg	☼	09/21/21 10:40	09/29/21 17:39	50
2,2-Dichloropropane	<40	*+	90	40	ug/Kg	☼	09/21/21 10:40	09/29/21 17:39	50
1,1-Dichloropropene	<27		90	27	ug/Kg	☼	09/21/21 10:40	09/29/21 17:39	50
Ethylbenzene	**18**	**J**	23	17	ug/Kg	☼	09/21/21 10:40	09/29/21 17:39	50
Hexachlorobutadiene	<40		90	40	ug/Kg	☼	09/21/21 10:40	09/29/21 17:39	50
Isopropylbenzene	<35		90	35	ug/Kg	☼	09/21/21 10:40	09/29/21 17:39	50
Isopropyl ether	<25		90	25	ug/Kg	☼	09/21/21 10:40	09/29/21 17:39	50
Methylene Chloride	<150		450	150	ug/Kg	☼	09/21/21 10:40	09/29/21 17:39	50
Methyl tert-butyl ether	<36		90	36	ug/Kg	☼	09/21/21 10:40	09/29/21 17:39	50
Naphthalene	**35**	**J**	90	30	ug/Kg	☼	09/21/21 10:40	09/29/21 17:39	50
n-Butylbenzene	<35		90	35	ug/Kg	☼	09/21/21 10:40	09/29/21 17:39	50
N-Propylbenzene	<37		90	37	ug/Kg	☼	09/21/21 10:40	09/29/21 17:39	50
p-Isopropyltoluene	<33		90	33	ug/Kg	☼	09/21/21 10:40	09/29/21 17:39	50
sec-Butylbenzene	<36		90	36	ug/Kg	☼	09/21/21 10:40	09/29/21 17:39	50
Styrene	<35		90	35	ug/Kg	☼	09/21/21 10:40	09/29/21 17:39	50
tert-Butylbenzene	<36		90	36	ug/Kg	☼	09/21/21 10:40	09/29/21 17:39	50
1,1,1,2-Tetrachloroethane	<42		90	42	ug/Kg	☼	09/21/21 10:40	09/29/21 17:39	50
1,1,2,2-Tetrachloroethane	<36		90	36	ug/Kg	☼	09/21/21 10:40	09/29/21 17:39	50
Tetrachloroethene	<33		90	33	ug/Kg	☼	09/21/21 10:40	09/29/21 17:39	50
Toluene	**61**		23	13	ug/Kg	☼	09/21/21 10:40	09/29/21 17:39	50
trans-1,2-Dichloroethene	<32		90	32	ug/Kg	☼	09/21/21 10:40	09/29/21 17:39	50

Client: Ramboll US Corporation
Job ID: 500-205623-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: SB-105 (2-4)
Lab Sample ID: 500-205623-9
Date Collected: 09/21/21 10:40
Matrix: Solid
Date Received: 09/23/21 10:10
Percent Solids: 71.5

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<33		90	33	ug/Kg	☼	09/21/21 10:40	09/29/21 17:39	50
1,2,3-Trichlorobenzene	<41		90	41	ug/Kg	☼	09/21/21 10:40	09/29/21 17:39	50
1,2,4-Trichlorobenzene	<31		90	31	ug/Kg	☼	09/21/21 10:40	09/29/21 17:39	50
1,1,1-Trichloroethane	<34	*+	90	34	ug/Kg	☼	09/21/21 10:40	09/29/21 17:39	50
1,1,2-Trichloroethane	<32		90	32	ug/Kg	☼	09/21/21 10:40	09/29/21 17:39	50
Trichloroethene	<15		45	15	ug/Kg	☼	09/21/21 10:40	09/29/21 17:39	50
Trichlorofluoromethane	<39	*+	90	39	ug/Kg	☼	09/21/21 10:40	09/29/21 17:39	50
1,2,3-Trichloropropane	<37		180	37	ug/Kg	☼	09/21/21 10:40	09/29/21 17:39	50
1,2,4-Trimethylbenzene	<32		90	32	ug/Kg	☼	09/21/21 10:40	09/29/21 17:39	50
1,3,5-Trimethylbenzene	<34		90	34	ug/Kg	☼	09/21/21 10:40	09/29/21 17:39	50
Vinyl chloride	<24		90	24	ug/Kg	☼	09/21/21 10:40	09/29/21 17:39	50
Xylenes, Total	**110**		45	20	ug/Kg	☼	09/21/21 10:40	09/29/21 17:39	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*72 - 124*	*09/21/21 10:40*	*09/29/21 17:39*	*50*
Dibromofluoromethane (Surr)	*94*		*75 - 120*	*09/21/21 10:40*	*09/29/21 17:39*	*50*
1,2-Dichloroethane-d4 (Surr)	*112*		*75 - 126*	*09/21/21 10:40*	*09/29/21 17:39*	*50*
Toluene-d8 (Surr)	*90*		*75 - 120*	*09/21/21 10:40*	*09/29/21 17:39*	*50*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**14**	**J**	45	8.1	ug/Kg	☼	09/24/21 18:00	09/27/21 14:14	1
Acenaphthylene	**47**		45	5.9	ug/Kg	☼	09/24/21 18:00	09/27/21 14:14	1
Anthracene	**67**		45	7.5	ug/Kg	☼	09/24/21 18:00	09/27/21 14:14	1
Benzo[a]anthracene	**110**		45	6.1	ug/Kg	☼	09/24/21 18:00	09/27/21 14:14	1
Benzo[a]pyrene	**160**	***3**	45	8.7	ug/Kg	☼	09/24/21 18:00	09/27/21 14:14	1
Benzo[b]fluoranthene	<9.7	*3	45	9.7	ug/Kg	☼	09/24/21 18:00	09/27/21 14:14	1
Benzo[g,h,i]perylene	**85**	***3**	45	15	ug/Kg	☼	09/24/21 18:00	09/27/21 14:14	1
Benzo[k]fluoranthene	<13	*3	45	13	ug/Kg	☼	09/24/21 18:00	09/27/21 14:14	1
Chrysene	**120**		45	12	ug/Kg	☼	09/24/21 18:00	09/27/21 14:14	1
Dibenz(a,h)anthracene	<8.7	*3	45	8.7	ug/Kg	☼	09/24/21 18:00	09/27/21 14:14	1
Fluoranthene	**200**		45	8.4	ug/Kg	☼	09/24/21 18:00	09/27/21 14:14	1
Fluorene	**52**		45	6.3	ug/Kg	☼	09/24/21 18:00	09/27/21 14:14	1
Indeno[1,2,3-cd]pyrene	**73**	***3**	45	12	ug/Kg	☼	09/24/21 18:00	09/27/21 14:14	1
Naphthalene	**220**		45	6.9	ug/Kg	☼	09/24/21 18:00	09/27/21 14:14	1
Phenanthrene	**230**		45	6.3	ug/Kg	☼	09/24/21 18:00	09/27/21 14:14	1
Pyrene	**370**		45	8.9	ug/Kg	☼	09/24/21 18:00	09/27/21 14:14	1
1-Methylnaphthalene	**99**		91	11	ug/Kg	☼	09/24/21 18:00	09/27/21 14:14	1
2-Methylnaphthalene	**170**		91	8.3	ug/Kg	☼	09/24/21 18:00	09/27/21 14:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*83*		*37 - 147*	*09/24/21 18:00*	*09/27/21 14:14*	*1*
Terphenyl-d14 (Surr)	*133*		*42 - 157*	*09/24/21 18:00*	*09/27/21 14:14*	*1*
2-Fluorobiphenyl (Surr)	*90*		*43 - 145*	*09/24/21 18:00*	*09/27/21 14:14*	*1*

Client: Ramboll US Corporation
Job ID: 500-205623-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: SB-108 (2-4)
Lab Sample ID: 500-205623-10
Date Collected: 09/21/21 11:00
Matrix: Solid
Date Received: 09/23/21 10:10
Percent Solids: 76.5

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<12		20	12	ug/Kg	☼	09/21/21 11:00	09/29/21 18:04	50
Bromobenzene	<29		82	29	ug/Kg	☼	09/21/21 11:00	09/29/21 18:04	50
Bromochloromethane	<35		82	35	ug/Kg	☼	09/21/21 11:00	09/29/21 18:04	50
Bromodichloromethane	<30		82	30	ug/Kg	☼	09/21/21 11:00	09/29/21 18:04	50
Bromoform	<39		82	39	ug/Kg	☼	09/21/21 11:00	09/29/21 18:04	50
Bromomethane	<65	*+	240	65	ug/Kg	☼	09/21/21 11:00	09/29/21 18:04	50
2-Butanone (MEK)	<170		410	170	ug/Kg	☼	09/21/21 11:00	09/29/21 18:04	50
Carbon tetrachloride	<31	*+	82	31	ug/Kg	☼	09/21/21 11:00	09/29/21 18:04	50
Chlorobenzene	<31		82	31	ug/Kg	☼	09/21/21 11:00	09/29/21 18:04	50
Chloroethane	<41	*+	82	41	ug/Kg	☼	09/21/21 11:00	09/29/21 18:04	50
Chloroform	<30		160	30	ug/Kg	☼	09/21/21 11:00	09/29/21 18:04	50
Chloromethane	<26		82	26	ug/Kg	☼	09/21/21 11:00	09/29/21 18:04	50
2-Chlorotoluene	<26		82	26	ug/Kg	☼	09/21/21 11:00	09/29/21 18:04	50
4-Chlorotoluene	<29		82	29	ug/Kg	☼	09/21/21 11:00	09/29/21 18:04	50
cis-1,2-Dichloroethene	<33		82	33	ug/Kg	☼	09/21/21 11:00	09/29/21 18:04	50
cis-1,3-Dichloropropene	<34		82	34	ug/Kg	☼	09/21/21 11:00	09/29/21 18:04	50
Dibromochloromethane	<40		82	40	ug/Kg	☼	09/21/21 11:00	09/29/21 18:04	50
1,2-Dibromo-3-Chloropropane	<160	*-	410	160	ug/Kg	☼	09/21/21 11:00	09/29/21 18:04	50
1,2-Dibromoethane	<31		82	31	ug/Kg	☼	09/21/21 11:00	09/29/21 18:04	50
Dibromomethane	<22		82	22	ug/Kg	☼	09/21/21 11:00	09/29/21 18:04	50
1,2-Dichlorobenzene	<27		82	27	ug/Kg	☼	09/21/21 11:00	09/29/21 18:04	50
1,3-Dichlorobenzene	<33		82	33	ug/Kg	☼	09/21/21 11:00	09/29/21 18:04	50
1,4-Dichlorobenzene	<30		82	30	ug/Kg	☼	09/21/21 11:00	09/29/21 18:04	50
Dichlorodifluoromethane	<55		240	55	ug/Kg	☼	09/21/21 11:00	09/29/21 18:04	50
1,1-Dichloroethane	<33		82	33	ug/Kg	☼	09/21/21 11:00	09/29/21 18:04	50
1,2-Dichloroethane	<32		82	32	ug/Kg	☼	09/21/21 11:00	09/29/21 18:04	50
1,1-Dichloroethene	<32		82	32	ug/Kg	☼	09/21/21 11:00	09/29/21 18:04	50
1,2-Dichloropropane	<35		82	35	ug/Kg	☼	09/21/21 11:00	09/29/21 18:04	50
1,3-Dichloropropane	<30		82	30	ug/Kg	☼	09/21/21 11:00	09/29/21 18:04	50
2,2-Dichloropropane	<36	*+	82	36	ug/Kg	☼	09/21/21 11:00	09/29/21 18:04	50
1,1-Dichloropropene	<24		82	24	ug/Kg	☼	09/21/21 11:00	09/29/21 18:04	50
Ethylbenzene	<15		20	15	ug/Kg	☼	09/21/21 11:00	09/29/21 18:04	50
Hexachlorobutadiene	<36		82	36	ug/Kg	☼	09/21/21 11:00	09/29/21 18:04	50
Isopropylbenzene	<31		82	31	ug/Kg	☼	09/21/21 11:00	09/29/21 18:04	50
Isopropyl ether	<23		82	23	ug/Kg	☼	09/21/21 11:00	09/29/21 18:04	50
Methylene Chloride	<130		410	130	ug/Kg	☼	09/21/21 11:00	09/29/21 18:04	50
Methyl tert-butyl ether	<32		82	32	ug/Kg	☼	09/21/21 11:00	09/29/21 18:04	50
Naphthalene	<27		82	27	ug/Kg	☼	09/21/21 11:00	09/29/21 18:04	50
n-Butylbenzene	<32		82	32	ug/Kg	☼	09/21/21 11:00	09/29/21 18:04	50
N-Propylbenzene	<34		82	34	ug/Kg	☼	09/21/21 11:00	09/29/21 18:04	50
p-Isopropyltoluene	<30		82	30	ug/Kg	☼	09/21/21 11:00	09/29/21 18:04	50
sec-Butylbenzene	<32		82	32	ug/Kg	☼	09/21/21 11:00	09/29/21 18:04	50
Styrene	<31		82	31	ug/Kg	☼	09/21/21 11:00	09/29/21 18:04	50
tert-Butylbenzene	<32		82	32	ug/Kg	☼	09/21/21 11:00	09/29/21 18:04	50
1,1,1,2-Tetrachloroethane	<38		82	38	ug/Kg	☼	09/21/21 11:00	09/29/21 18:04	50
1,1,2,2-Tetrachloroethane	<32		82	32	ug/Kg	☼	09/21/21 11:00	09/29/21 18:04	50
Tetrachloroethene	<30		82	30	ug/Kg	☼	09/21/21 11:00	09/29/21 18:04	50
Toluene	<12		20	12	ug/Kg	☼	09/21/21 11:00	09/29/21 18:04	50
trans-1,2-Dichloroethene	<29		82	29	ug/Kg	☼	09/21/21 11:00	09/29/21 18:04	50

Client Sample ID: SB-108 (2-4)
Lab Sample ID: 500-205623-10

Date Collected: 09/21/21 11:00
Matrix: Solid

Date Received: 09/23/21 10:10
Percent Solids: 76.5

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<30		82	30	ug/Kg	☼	09/21/21 11:00	09/29/21 18:04	50
1,2,3-Trichlorobenzene	<37		82	37	ug/Kg	☼	09/21/21 11:00	09/29/21 18:04	50
1,2,4-Trichlorobenzene	<28		82	28	ug/Kg	☼	09/21/21 11:00	09/29/21 18:04	50
1,1,1-Trichloroethane	<31	*+	82	31	ug/Kg	☼	09/21/21 11:00	09/29/21 18:04	50
1,1,2-Trichloroethane	<29		82	29	ug/Kg	☼	09/21/21 11:00	09/29/21 18:04	50
Trichloroethene	<13		41	13	ug/Kg	☼	09/21/21 11:00	09/29/21 18:04	50
Trichlorofluoromethane	<35	*+	82	35	ug/Kg	☼	09/21/21 11:00	09/29/21 18:04	50
1,2,3-Trichloropropane	<34		160	34	ug/Kg	☼	09/21/21 11:00	09/29/21 18:04	50
1,2,4-Trimethylbenzene	<29		82	29	ug/Kg	☼	09/21/21 11:00	09/29/21 18:04	50
1,3,5-Trimethylbenzene	<31		82	31	ug/Kg	☼	09/21/21 11:00	09/29/21 18:04	50
Vinyl chloride	<21		82	21	ug/Kg	☼	09/21/21 11:00	09/29/21 18:04	50
Xylenes, Total	<18		41	18	ug/Kg	☼	09/21/21 11:00	09/29/21 18:04	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*72 - 124*	*09/21/21 11:00*	*09/29/21 18:04*	*50*
Dibromofluoromethane (Surr)	*91*		*75 - 120*	*09/21/21 11:00*	*09/29/21 18:04*	*50*
1,2-Dichloroethane-d4 (Surr)	*109*		*75 - 126*	*09/21/21 11:00*	*09/29/21 18:04*	*50*
Toluene-d8 (Surr)	*91*		*75 - 120*	*09/21/21 11:00*	*09/29/21 18:04*	*50*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<7.8		43	7.8	ug/Kg	☼	09/24/21 18:00	09/27/21 14:37	1
Acenaphthylene	<5.7		43	5.7	ug/Kg	☼	09/24/21 18:00	09/27/21 14:37	1
Anthracene	<7.2		43	7.2	ug/Kg	☼	09/24/21 18:00	09/27/21 14:37	1
Benzo[a]anthracene	**8.8**	**J**	43	5.8	ug/Kg	☼	09/24/21 18:00	09/27/21 14:37	1
Benzo[a]pyrene	<8.4		43	8.4	ug/Kg	☼	09/24/21 18:00	09/27/21 14:37	1
Benzo[b]fluoranthene	**14**	**J**	43	9.3	ug/Kg	☼	09/24/21 18:00	09/27/21 14:37	1
Benzo[g,h,i]perylene	<14		43	14	ug/Kg	☼	09/24/21 18:00	09/27/21 14:37	1
Benzo[k]fluoranthene	<13		43	13	ug/Kg	☼	09/24/21 18:00	09/27/21 14:37	1
Chrysene	<12		43	12	ug/Kg	☼	09/24/21 18:00	09/27/21 14:37	1
Dibenz(a,h)anthracene	<8.3		43	8.3	ug/Kg	☼	09/24/21 18:00	09/27/21 14:37	1
Fluoranthene	**19**	**J**	43	8.0	ug/Kg	☼	09/24/21 18:00	09/27/21 14:37	1
Fluorene	<6.1		43	6.1	ug/Kg	☼	09/24/21 18:00	09/27/21 14:37	1
Indeno[1,2,3-cd]pyrene	<11		43	11	ug/Kg	☼	09/24/21 18:00	09/27/21 14:37	1
Naphthalene	<6.6		43	6.6	ug/Kg	☼	09/24/21 18:00	09/27/21 14:37	1
Phenanthrene	**20**	**J**	43	6.0	ug/Kg	☼	09/24/21 18:00	09/27/21 14:37	1
Pyrene	**18**	**J**	43	8.6	ug/Kg	☼	09/24/21 18:00	09/27/21 14:37	1
1-Methylnaphthalene	<11		87	11	ug/Kg	☼	09/24/21 18:00	09/27/21 14:37	1
2-Methylnaphthalene	<7.9		87	7.9	ug/Kg	☼	09/24/21 18:00	09/27/21 14:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*70*		*37 - 147*	*09/24/21 18:00*	*09/27/21 14:37*	*1*
Terphenyl-d14 (Surr)	*89*		*42 - 157*	*09/24/21 18:00*	*09/27/21 14:37*	*1*
2-Fluorobiphenyl (Surr)	*80*		*43 - 145*	*09/24/21 18:00*	*09/27/21 14:37*	*1*

Client: Ramboll US Corporation
Project/Site: Former Mirro 20 - Chilton 1690019558

Job ID: 500-205623-1

Client Sample ID: SB-107 (2-4)
Date Collected: 09/21/21 11:10
Date Received: 09/23/21 10:10

Lab Sample ID: 500-205623-11
Matrix: Solid
Percent Solids: 79.1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<11		19	11	ug/Kg	☼	09/21/21 11:10	09/29/21 18:29	50
Bromobenzene	<27		76	27	ug/Kg	☼	09/21/21 11:10	09/29/21 18:29	50
Bromochloromethane	<32		76	32	ug/Kg	☼	09/21/21 11:10	09/29/21 18:29	50
Bromodichloromethane	<28		76	28	ug/Kg	☼	09/21/21 11:10	09/29/21 18:29	50
Bromoform	<37		76	37	ug/Kg	☼	09/21/21 11:10	09/29/21 18:29	50
Bromomethane	<60	*+	230	60	ug/Kg	☼	09/21/21 11:10	09/29/21 18:29	50
2-Butanone (MEK)	<160		380	160	ug/Kg	☼	09/21/21 11:10	09/29/21 18:29	50
Carbon tetrachloride	<29	*+	76	29	ug/Kg	☼	09/21/21 11:10	09/29/21 18:29	50
Chlorobenzene	<29		76	29	ug/Kg	☼	09/21/21 11:10	09/29/21 18:29	50
Chloroethane	<38	*+	76	38	ug/Kg	☼	09/21/21 11:10	09/29/21 18:29	50
Chloroform	<28		150	28	ug/Kg	☼	09/21/21 11:10	09/29/21 18:29	50
Chloromethane	<24		76	24	ug/Kg	☼	09/21/21 11:10	09/29/21 18:29	50
2-Chlorotoluene	<24		76	24	ug/Kg	☼	09/21/21 11:10	09/29/21 18:29	50
4-Chlorotoluene	<26		76	26	ug/Kg	☼	09/21/21 11:10	09/29/21 18:29	50
cis-1,2-Dichloroethene	<31		76	31	ug/Kg	☼	09/21/21 11:10	09/29/21 18:29	50
cis-1,3-Dichloropropene	<31		76	31	ug/Kg	☼	09/21/21 11:10	09/29/21 18:29	50
Dibromochloromethane	<37		76	37	ug/Kg	☼	09/21/21 11:10	09/29/21 18:29	50
1,2-Dibromo-3-Chloropropane	<150	*-	380	150	ug/Kg	☼	09/21/21 11:10	09/29/21 18:29	50
1,2-Dibromoethane	<29		76	29	ug/Kg	☼	09/21/21 11:10	09/29/21 18:29	50
Dibromomethane	<20		76	20	ug/Kg	☼	09/21/21 11:10	09/29/21 18:29	50
1,2-Dichlorobenzene	<25		76	25	ug/Kg	☼	09/21/21 11:10	09/29/21 18:29	50
1,3-Dichlorobenzene	<30		76	30	ug/Kg	☼	09/21/21 11:10	09/29/21 18:29	50
1,4-Dichlorobenzene	<28		76	28	ug/Kg	☼	09/21/21 11:10	09/29/21 18:29	50
Dichlorodifluoromethane	<51		230	51	ug/Kg	☼	09/21/21 11:10	09/29/21 18:29	50
1,1-Dichloroethane	<31		76	31	ug/Kg	☼	09/21/21 11:10	09/29/21 18:29	50
1,2-Dichloroethane	<30		76	30	ug/Kg	☼	09/21/21 11:10	09/29/21 18:29	50
1,1-Dichloroethene	<29		76	29	ug/Kg	☼	09/21/21 11:10	09/29/21 18:29	50
1,2-Dichloropropane	<32		76	32	ug/Kg	☼	09/21/21 11:10	09/29/21 18:29	50
1,3-Dichloropropane	<27		76	27	ug/Kg	☼	09/21/21 11:10	09/29/21 18:29	50
2,2-Dichloropropane	<34	*+	76	34	ug/Kg	☼	09/21/21 11:10	09/29/21 18:29	50
1,1-Dichloropropene	<23		76	23	ug/Kg	☼	09/21/21 11:10	09/29/21 18:29	50
Ethylbenzene	<14		19	14	ug/Kg	☼	09/21/21 11:10	09/29/21 18:29	50
Hexachlorobutadiene	<34		76	34	ug/Kg	☼	09/21/21 11:10	09/29/21 18:29	50
Isopropylbenzene	<29		76	29	ug/Kg	☼	09/21/21 11:10	09/29/21 18:29	50
Isopropyl ether	<21		76	21	ug/Kg	☼	09/21/21 11:10	09/29/21 18:29	50
Methylene Chloride	<120		380	120	ug/Kg	☼	09/21/21 11:10	09/29/21 18:29	50
Methyl tert-butyl ether	<30		76	30	ug/Kg	☼	09/21/21 11:10	09/29/21 18:29	50
Naphthalene	<25		76	25	ug/Kg	☼	09/21/21 11:10	09/29/21 18:29	50
n-Butylbenzene	<29		76	29	ug/Kg	☼	09/21/21 11:10	09/29/21 18:29	50
N-Propylbenzene	<31		76	31	ug/Kg	☼	09/21/21 11:10	09/29/21 18:29	50
p-Isopropyltoluene	<27		76	27	ug/Kg	☼	09/21/21 11:10	09/29/21 18:29	50
sec-Butylbenzene	<30		76	30	ug/Kg	☼	09/21/21 11:10	09/29/21 18:29	50
Styrene	<29		76	29	ug/Kg	☼	09/21/21 11:10	09/29/21 18:29	50
tert-Butylbenzene	<30		76	30	ug/Kg	☼	09/21/21 11:10	09/29/21 18:29	50
1,1,1,2-Tetrachloroethane	<35		76	35	ug/Kg	☼	09/21/21 11:10	09/29/21 18:29	50
1,1,2,2-Tetrachloroethane	<30		76	30	ug/Kg	☼	09/21/21 11:10	09/29/21 18:29	50
Tetrachloroethene	<28		76	28	ug/Kg	☼	09/21/21 11:10	09/29/21 18:29	50
Toluene	<11		19	11	ug/Kg	☼	09/21/21 11:10	09/29/21 18:29	50
trans-1,2-Dichloroethene	<26		76	26	ug/Kg	☼	09/21/21 11:10	09/29/21 18:29	50

Client: Ramboll US Corporation
Job ID: 500-205623-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: SB-107 (2-4)
Date Collected: 09/21/21 11:10
Date Received: 09/23/21 10:10

Lab Sample ID: 500-205623-11
Matrix: Solid
Percent Solids: 79.1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<27		76	27	ug/Kg	☼	09/21/21 11:10	09/29/21 18:29	50
1,2,3-Trichlorobenzene	<35		76	35	ug/Kg	☼	09/21/21 11:10	09/29/21 18:29	50
1,2,4-Trichlorobenzene	<26		76	26	ug/Kg	☼	09/21/21 11:10	09/29/21 18:29	50
1,1,1-Trichloroethane	<29	*+	76	29	ug/Kg	☼	09/21/21 11:10	09/29/21 18:29	50
1,1,2-Trichloroethane	<27		76	27	ug/Kg	☼	09/21/21 11:10	09/29/21 18:29	50
Trichloroethene	<12		38	12	ug/Kg	☼	09/21/21 11:10	09/29/21 18:29	50
Trichlorofluoromethane	<32	*+	76	32	ug/Kg	☼	09/21/21 11:10	09/29/21 18:29	50
1,2,3-Trichloropropane	<31		150	31	ug/Kg	☼	09/21/21 11:10	09/29/21 18:29	50
1,2,4-Trimethylbenzene	<27		76	27	ug/Kg	☼	09/21/21 11:10	09/29/21 18:29	50
1,3,5-Trimethylbenzene	<29		76	29	ug/Kg	☼	09/21/21 11:10	09/29/21 18:29	50
Vinyl chloride	<20		76	20	ug/Kg	☼	09/21/21 11:10	09/29/21 18:29	50
Xylenes, Total	<17		38	17	ug/Kg	☼	09/21/21 11:10	09/29/21 18:29	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*72 - 124*	*09/21/21 11:10*	*09/29/21 18:29*	*50*
Dibromofluoromethane (Surr)	*93*		*75 - 120*	*09/21/21 11:10*	*09/29/21 18:29*	*50*
1,2-Dichloroethane-d4 (Surr)	*111*		*75 - 126*	*09/21/21 11:10*	*09/29/21 18:29*	*50*
Toluene-d8 (Surr)	*90*		*75 - 120*	*09/21/21 11:10*	*09/29/21 18:29*	*50*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<7.5		41	7.5	ug/Kg	☼	09/24/21 18:00	09/27/21 15:01	1
Acenaphthylene	**8.8**	**J**	41	5.5	ug/Kg	☼	09/24/21 18:00	09/27/21 15:01	1
Anthracene	**27**	**J**	41	7.0	ug/Kg	☼	09/24/21 18:00	09/27/21 15:01	1
Benzo[a]anthracene	**85**		41	5.6	ug/Kg	☼	09/24/21 18:00	09/27/21 15:01	1
Benzo[a]pyrene	**100**		41	8.1	ug/Kg	☼	09/24/21 18:00	09/27/21 15:01	1
Benzo[b]fluoranthene	**140**		41	9.0	ug/Kg	☼	09/24/21 18:00	09/27/21 15:01	1
Benzo[g,h,i]perylene	**36**	**J**	41	13	ug/Kg	☼	09/24/21 18:00	09/27/21 15:01	1
Benzo[k]fluoranthene	**47**		41	12	ug/Kg	☼	09/24/21 18:00	09/27/21 15:01	1
Chrysene	**97**		41	11	ug/Kg	☼	09/24/21 18:00	09/27/21 15:01	1
Dibenz(a,h)anthracene	<8.0		41	8.0	ug/Kg	☼	09/24/21 18:00	09/27/21 15:01	1
Fluoranthene	**190**		41	7.7	ug/Kg	☼	09/24/21 18:00	09/27/21 15:01	1
Fluorene	**9.3**	**J**	41	5.9	ug/Kg	☼	09/24/21 18:00	09/27/21 15:01	1
Indeno[1,2,3-cd]pyrene	**28**	**J**	41	11	ug/Kg	☼	09/24/21 18:00	09/27/21 15:01	1
Naphthalene	**17**	**J**	41	6.4	ug/Kg	☼	09/24/21 18:00	09/27/21 15:01	1
Phenanthrene	**110**		41	5.8	ug/Kg	☼	09/24/21 18:00	09/27/21 15:01	1
Pyrene	**170**		41	8.3	ug/Kg	☼	09/24/21 18:00	09/27/21 15:01	1
1-Methylnaphthalene	**19**	**J**	84	10	ug/Kg	☼	09/24/21 18:00	09/27/21 15:01	1
2-Methylnaphthalene	**22**	**J**	84	7.7	ug/Kg	☼	09/24/21 18:00	09/27/21 15:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*62*		*37 - 147*	*09/24/21 18:00*	*09/27/21 15:01*	*1*
Terphenyl-d14 (Surr)	*90*		*42 - 157*	*09/24/21 18:00*	*09/27/21 15:01*	*1*
2-Fluorobiphenyl (Surr)	*75*		*43 - 145*	*09/24/21 18:00*	*09/27/21 15:01*	*1*

Client: Ramboll US Corporation
Job ID: 500-205623-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: PZ-13 (2-4)
Lab Sample ID: 500-205623-12
Date Collected: 09/21/21 12:00
Matrix: Solid
Date Received: 09/23/21 10:10
Percent Solids: 89.6

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<9.0		15	9.0	ug/Kg	☼	09/21/21 12:00	09/29/21 18:55	50
Bromobenzene	<22		62	22	ug/Kg	☼	09/21/21 12:00	09/29/21 18:55	50
Bromochloromethane	<26		62	26	ug/Kg	☼	09/21/21 12:00	09/29/21 18:55	50
Bromodichloromethane	<23		62	23	ug/Kg	☼	09/21/21 12:00	09/29/21 18:55	50
Bromoform	<30		62	30	ug/Kg	☼	09/21/21 12:00	09/29/21 18:55	50
Bromomethane	<49	*+	180	49	ug/Kg	☼	09/21/21 12:00	09/29/21 18:55	50
2-Butanone (MEK)	<130		310	130	ug/Kg	☼	09/21/21 12:00	09/29/21 18:55	50
Carbon tetrachloride	<24	*+	62	24	ug/Kg	☼	09/21/21 12:00	09/29/21 18:55	50
Chlorobenzene	<24		62	24	ug/Kg	☼	09/21/21 12:00	09/29/21 18:55	50
Chloroethane	<31	*+	62	31	ug/Kg	☼	09/21/21 12:00	09/29/21 18:55	50
Chloroform	<23		120	23	ug/Kg	☼	09/21/21 12:00	09/29/21 18:55	50
Chloromethane	<20		62	20	ug/Kg	☼	09/21/21 12:00	09/29/21 18:55	50
2-Chlorotoluene	<19		62	19	ug/Kg	☼	09/21/21 12:00	09/29/21 18:55	50
4-Chlorotoluene	<22		62	22	ug/Kg	☼	09/21/21 12:00	09/29/21 18:55	50
cis-1,2-Dichloroethene	<25		62	25	ug/Kg	☼	09/21/21 12:00	09/29/21 18:55	50
cis-1,3-Dichloropropene	<26		62	26	ug/Kg	☼	09/21/21 12:00	09/29/21 18:55	50
Dibromochloromethane	<30		62	30	ug/Kg	☼	09/21/21 12:00	09/29/21 18:55	50
1,2-Dibromo-3-Chloropropane	<120	*-	310	120	ug/Kg	☼	09/21/21 12:00	09/29/21 18:55	50
1,2-Dibromoethane	<24		62	24	ug/Kg	☼	09/21/21 12:00	09/29/21 18:55	50
Dibromomethane	<17		62	17	ug/Kg	☼	09/21/21 12:00	09/29/21 18:55	50
1,2-Dichlorobenzene	<21		62	21	ug/Kg	☼	09/21/21 12:00	09/29/21 18:55	50
1,3-Dichlorobenzene	<25		62	25	ug/Kg	☼	09/21/21 12:00	09/29/21 18:55	50
1,4-Dichlorobenzene	<22		62	22	ug/Kg	☼	09/21/21 12:00	09/29/21 18:55	50
Dichlorodifluoromethane	<41		180	41	ug/Kg	☼	09/21/21 12:00	09/29/21 18:55	50
1,1-Dichloroethane	<25		62	25	ug/Kg	☼	09/21/21 12:00	09/29/21 18:55	50
1,2-Dichloroethane	<24		62	24	ug/Kg	☼	09/21/21 12:00	09/29/21 18:55	50
1,1-Dichloroethene	<24		62	24	ug/Kg	☼	09/21/21 12:00	09/29/21 18:55	50
1,2-Dichloropropane	<26		62	26	ug/Kg	☼	09/21/21 12:00	09/29/21 18:55	50
1,3-Dichloropropane	<22		62	22	ug/Kg	☼	09/21/21 12:00	09/29/21 18:55	50
2,2-Dichloropropane	<27	*+	62	27	ug/Kg	☼	09/21/21 12:00	09/29/21 18:55	50
1,1-Dichloropropene	<18		62	18	ug/Kg	☼	09/21/21 12:00	09/29/21 18:55	50
Ethylbenzene	<11		15	11	ug/Kg	☼	09/21/21 12:00	09/29/21 18:55	50
Hexachlorobutadiene	<27		62	27	ug/Kg	☼	09/21/21 12:00	09/29/21 18:55	50
Isopropylbenzene	<24		62	24	ug/Kg	☼	09/21/21 12:00	09/29/21 18:55	50
Isopropyl ether	<17		62	17	ug/Kg	☼	09/21/21 12:00	09/29/21 18:55	50
Methylene Chloride	<100		310	100	ug/Kg	☼	09/21/21 12:00	09/29/21 18:55	50
Methyl tert-butyl ether	<24		62	24	ug/Kg	☼	09/21/21 12:00	09/29/21 18:55	50
Naphthalene	<21		62	21	ug/Kg	☼	09/21/21 12:00	09/29/21 18:55	50
n-Butylbenzene	<24		62	24	ug/Kg	☼	09/21/21 12:00	09/29/21 18:55	50
N-Propylbenzene	<25		62	25	ug/Kg	☼	09/21/21 12:00	09/29/21 18:55	50
p-Isopropyltoluene	<22		62	22	ug/Kg	☼	09/21/21 12:00	09/29/21 18:55	50
sec-Butylbenzene	<25		62	25	ug/Kg	☼	09/21/21 12:00	09/29/21 18:55	50
Styrene	<24		62	24	ug/Kg	☼	09/21/21 12:00	09/29/21 18:55	50
tert-Butylbenzene	<25		62	25	ug/Kg	☼	09/21/21 12:00	09/29/21 18:55	50
1,1,1,2-Tetrachloroethane	<28		62	28	ug/Kg	☼	09/21/21 12:00	09/29/21 18:55	50
1,1,2,2-Tetrachloroethane	<25		62	25	ug/Kg	☼	09/21/21 12:00	09/29/21 18:55	50
Tetrachloroethene	<23		62	23	ug/Kg	☼	09/21/21 12:00	09/29/21 18:55	50
Toluene	<9.1		15	9.1	ug/Kg	☼	09/21/21 12:00	09/29/21 18:55	50
trans-1,2-Dichloroethene	<22		62	22	ug/Kg	☼	09/21/21 12:00	09/29/21 18:55	50

Client: Ramboll US Corporation
Job ID: 500-205623-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: PZ-13 (2-4)
Lab Sample ID: 500-205623-12
Date Collected: 09/21/21 12:00
Matrix: Solid
Date Received: 09/23/21 10:10
Percent Solids: 89.6

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<22		62	22	ug/Kg	☼	09/21/21 12:00	09/29/21 18:55	50
1,2,3-Trichlorobenzene	<28		62	28	ug/Kg	☼	09/21/21 12:00	09/29/21 18:55	50
1,2,4-Trichlorobenzene	<21		62	21	ug/Kg	☼	09/21/21 12:00	09/29/21 18:55	50
1,1,1-Trichloroethane	<23	*+	62	23	ug/Kg	☼	09/21/21 12:00	09/29/21 18:55	50
1,1,2-Trichloroethane	<22		62	22	ug/Kg	☼	09/21/21 12:00	09/29/21 18:55	50
Trichloroethene	<10		31	10	ug/Kg	☼	09/21/21 12:00	09/29/21 18:55	50
Trichlorofluoromethane	<26	*+	62	26	ug/Kg	☼	09/21/21 12:00	09/29/21 18:55	50
1,2,3-Trichloropropane	<25		120	25	ug/Kg	☼	09/21/21 12:00	09/29/21 18:55	50
1,2,4-Trimethylbenzene	<22		62	22	ug/Kg	☼	09/21/21 12:00	09/29/21 18:55	50
1,3,5-Trimethylbenzene	<23		62	23	ug/Kg	☼	09/21/21 12:00	09/29/21 18:55	50
Vinyl chloride	<16		62	16	ug/Kg	☼	09/21/21 12:00	09/29/21 18:55	50
Xylenes, Total	<14		31	14	ug/Kg	☼	09/21/21 12:00	09/29/21 18:55	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*72 - 124*	*09/21/21 12:00*	*09/29/21 18:55*	*50*
Dibromofluoromethane (Surr)	*93*		*75 - 120*	*09/21/21 12:00*	*09/29/21 18:55*	*50*
1,2-Dichloroethane-d4 (Surr)	*111*		*75 - 126*	*09/21/21 12:00*	*09/29/21 18:55*	*50*
Toluene-d8 (Surr)	*89*		*75 - 120*	*09/21/21 12:00*	*09/29/21 18:55*	*50*

Client: Ramboll US Corporation
Job ID: 500-205623-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: PZ-14 (2-4)
Lab Sample ID: 500-205623-13
Date Collected: 09/22/21 09:45
Matrix: Solid
Date Received: 09/23/21 10:10
Percent Solids: 83.2

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<10		18	10	ug/Kg	☼	09/22/21 09:45	09/29/21 19:20	50
Bromobenzene	<25		70	25	ug/Kg	☼	09/22/21 09:45	09/29/21 19:20	50
Bromochloromethane	<30		70	30	ug/Kg	☼	09/22/21 09:45	09/29/21 19:20	50
Bromodichloromethane	<26		70	26	ug/Kg	☼	09/22/21 09:45	09/29/21 19:20	50
Bromoform	<34		70	34	ug/Kg	☼	09/22/21 09:45	09/29/21 19:20	50
Bromomethane	<56	*+	210	56	ug/Kg	☼	09/22/21 09:45	09/29/21 19:20	50
2-Butanone (MEK)	<150		350	150	ug/Kg	☼	09/22/21 09:45	09/29/21 19:20	50
Carbon tetrachloride	<27	*+	70	27	ug/Kg	☼	09/22/21 09:45	09/29/21 19:20	50
Chlorobenzene	<27		70	27	ug/Kg	☼	09/22/21 09:45	09/29/21 19:20	50
Chloroethane	<35	*+	70	35	ug/Kg	☼	09/22/21 09:45	09/29/21 19:20	50
Chloroform	<26		140	26	ug/Kg	☼	09/22/21 09:45	09/29/21 19:20	50
Chloromethane	<22		70	22	ug/Kg	☼	09/22/21 09:45	09/29/21 19:20	50
2-Chlorotoluene	<22		70	22	ug/Kg	☼	09/22/21 09:45	09/29/21 19:20	50
4-Chlorotoluene	<25		70	25	ug/Kg	☼	09/22/21 09:45	09/29/21 19:20	50
cis-1,2-Dichloroethene	<29		70	29	ug/Kg	☼	09/22/21 09:45	09/29/21 19:20	50
cis-1,3-Dichloropropene	<29		70	29	ug/Kg	☼	09/22/21 09:45	09/29/21 19:20	50
Dibromochloromethane	<34		70	34	ug/Kg	☼	09/22/21 09:45	09/29/21 19:20	50
1,2-Dibromo-3-Chloropropane	<140	*-	350	140	ug/Kg	☼	09/22/21 09:45	09/29/21 19:20	50
1,2-Dibromoethane	<27		70	27	ug/Kg	☼	09/22/21 09:45	09/29/21 19:20	50
Dibromomethane	<19		70	19	ug/Kg	☼	09/22/21 09:45	09/29/21 19:20	50
1,2-Dichlorobenzene	<23		70	23	ug/Kg	☼	09/22/21 09:45	09/29/21 19:20	50
1,3-Dichlorobenzene	<28		70	28	ug/Kg	☼	09/22/21 09:45	09/29/21 19:20	50
1,4-Dichlorobenzene	<25		70	25	ug/Kg	☼	09/22/21 09:45	09/29/21 19:20	50
Dichlorodifluoromethane	<47		210	47	ug/Kg	☼	09/22/21 09:45	09/29/21 19:20	50
1,1-Dichloroethane	<29		70	29	ug/Kg	☼	09/22/21 09:45	09/29/21 19:20	50
1,2-Dichloroethane	<27		70	27	ug/Kg	☼	09/22/21 09:45	09/29/21 19:20	50
1,1-Dichloroethene	<27		70	27	ug/Kg	☼	09/22/21 09:45	09/29/21 19:20	50
1,2-Dichloropropane	<30		70	30	ug/Kg	☼	09/22/21 09:45	09/29/21 19:20	50
1,3-Dichloropropane	<25		70	25	ug/Kg	☼	09/22/21 09:45	09/29/21 19:20	50
2,2-Dichloropropane	<31	*+	70	31	ug/Kg	☼	09/22/21 09:45	09/29/21 19:20	50
1,1-Dichloropropene	<21		70	21	ug/Kg	☼	09/22/21 09:45	09/29/21 19:20	50
Ethylbenzene	<13		18	13	ug/Kg	☼	09/22/21 09:45	09/29/21 19:20	50
Hexachlorobutadiene	<31		70	31	ug/Kg	☼	09/22/21 09:45	09/29/21 19:20	50
Isopropylbenzene	<27		70	27	ug/Kg	☼	09/22/21 09:45	09/29/21 19:20	50
Isopropyl ether	<19		70	19	ug/Kg	☼	09/22/21 09:45	09/29/21 19:20	50
Methylene Chloride	<110		350	110	ug/Kg	☼	09/22/21 09:45	09/29/21 19:20	50
Methyl tert-butyl ether	<28		70	28	ug/Kg	☼	09/22/21 09:45	09/29/21 19:20	50
Naphthalene	<23		70	23	ug/Kg	☼	09/22/21 09:45	09/29/21 19:20	50
n-Butylbenzene	<27		70	27	ug/Kg	☼	09/22/21 09:45	09/29/21 19:20	50
N-Propylbenzene	<29		70	29	ug/Kg	☼	09/22/21 09:45	09/29/21 19:20	50
p-Isopropyltoluene	<25		70	25	ug/Kg	☼	09/22/21 09:45	09/29/21 19:20	50
sec-Butylbenzene	<28		70	28	ug/Kg	☼	09/22/21 09:45	09/29/21 19:20	50
Styrene	<27		70	27	ug/Kg	☼	09/22/21 09:45	09/29/21 19:20	50
tert-Butylbenzene	<28		70	28	ug/Kg	☼	09/22/21 09:45	09/29/21 19:20	50
1,1,1,2-Tetrachloroethane	<32		70	32	ug/Kg	☼	09/22/21 09:45	09/29/21 19:20	50
1,1,2,2-Tetrachloroethane	<28		70	28	ug/Kg	☼	09/22/21 09:45	09/29/21 19:20	50
Tetrachloroethene	<26		70	26	ug/Kg	☼	09/22/21 09:45	09/29/21 19:20	50
Toluene	<10		18	10	ug/Kg	☼	09/22/21 09:45	09/29/21 19:20	50
trans-1,2-Dichloroethene	<25		70	25	ug/Kg	☼	09/22/21 09:45	09/29/21 19:20	50

Client: Ramboll US Corporation
Job ID: 500-205623-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: PZ-14 (2-4)
Lab Sample ID: 500-205623-13
Date Collected: 09/22/21 09:45
Matrix: Solid
Date Received: 09/23/21 10:10
Percent Solids: 83.2

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<25		70	25	ug/Kg	☼	09/22/21 09:45	09/29/21 19:20	50
1,2,3-Trichlorobenzene	<32		70	32	ug/Kg	☼	09/22/21 09:45	09/29/21 19:20	50
1,2,4-Trichlorobenzene	<24		70	24	ug/Kg	☼	09/22/21 09:45	09/29/21 19:20	50
1,1,1-Trichloroethane	<27	*+	70	27	ug/Kg	☼	09/22/21 09:45	09/29/21 19:20	50
1,1,2-Trichloroethane	<25		70	25	ug/Kg	☼	09/22/21 09:45	09/29/21 19:20	50
Trichloroethene	<11		35	11	ug/Kg	☼	09/22/21 09:45	09/29/21 19:20	50
Trichlorofluoromethane	<30	*+	70	30	ug/Kg	☼	09/22/21 09:45	09/29/21 19:20	50
1,2,3-Trichloropropane	<29		140	29	ug/Kg	☼	09/22/21 09:45	09/29/21 19:20	50
1,2,4-Trimethylbenzene	<25		70	25	ug/Kg	☼	09/22/21 09:45	09/29/21 19:20	50
1,3,5-Trimethylbenzene	<27		70	27	ug/Kg	☼	09/22/21 09:45	09/29/21 19:20	50
Vinyl chloride	<18		70	18	ug/Kg	☼	09/22/21 09:45	09/29/21 19:20	50
Xylenes, Total	<15		35	15	ug/Kg	☼	09/22/21 09:45	09/29/21 19:20	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*72 - 124*	*09/22/21 09:45*	*09/29/21 19:20*	*50*
Dibromofluoromethane (Surr)	*92*		*75 - 120*	*09/22/21 09:45*	*09/29/21 19:20*	*50*
1,2-Dichloroethane-d4 (Surr)	*109*		*75 - 126*	*09/22/21 09:45*	*09/29/21 19:20*	*50*
Toluene-d8 (Surr)	*88*		*75 - 120*	*09/22/21 09:45*	*09/29/21 19:20*	*50*

Client: Ramboll US Corporation
Job ID: 500-205623-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: PZ-14 (5-6)
Lab Sample ID: 500-205623-14
Date Collected: 09/22/21 09:50
Matrix: Solid
Date Received: 09/23/21 10:10
Percent Solids: 80.0

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<11		19	11	ug/Kg	☼	09/22/21 09:50	09/29/21 19:45	50
Bromobenzene	<27		76	27	ug/Kg	☼	09/22/21 09:50	09/29/21 19:45	50
Bromochloromethane	<32		76	32	ug/Kg	☼	09/22/21 09:50	09/29/21 19:45	50
Bromodichloromethane	<28		76	28	ug/Kg	☼	09/22/21 09:50	09/29/21 19:45	50
Bromoform	<37		76	37	ug/Kg	☼	09/22/21 09:50	09/29/21 19:45	50
Bromomethane	<60	*+	230	60	ug/Kg	☼	09/22/21 09:50	09/29/21 19:45	50
2-Butanone (MEK)	<160		380	160	ug/Kg	☼	09/22/21 09:50	09/29/21 19:45	50
Carbon tetrachloride	<29	*+	76	29	ug/Kg	☼	09/22/21 09:50	09/29/21 19:45	50
Chlorobenzene	<29		76	29	ug/Kg	☼	09/22/21 09:50	09/29/21 19:45	50
Chloroethane	<38	*+	76	38	ug/Kg	☼	09/22/21 09:50	09/29/21 19:45	50
Chloroform	<28		150	28	ug/Kg	☼	09/22/21 09:50	09/29/21 19:45	50
Chloromethane	<24		76	24	ug/Kg	☼	09/22/21 09:50	09/29/21 19:45	50
2-Chlorotoluene	<24		76	24	ug/Kg	☼	09/22/21 09:50	09/29/21 19:45	50
4-Chlorotoluene	<27		76	27	ug/Kg	☼	09/22/21 09:50	09/29/21 19:45	50
cis-1,2-Dichloroethene	<31		76	31	ug/Kg	☼	09/22/21 09:50	09/29/21 19:45	50
cis-1,3-Dichloropropene	<32		76	32	ug/Kg	☼	09/22/21 09:50	09/29/21 19:45	50
Dibromochloromethane	<37		76	37	ug/Kg	☼	09/22/21 09:50	09/29/21 19:45	50
1,2-Dibromo-3-Chloropropane	<150	*-	380	150	ug/Kg	☼	09/22/21 09:50	09/29/21 19:45	50
1,2-Dibromoethane	<29		76	29	ug/Kg	☼	09/22/21 09:50	09/29/21 19:45	50
Dibromomethane	<20		76	20	ug/Kg	☼	09/22/21 09:50	09/29/21 19:45	50
1,2-Dichlorobenzene	<25		76	25	ug/Kg	☼	09/22/21 09:50	09/29/21 19:45	50
1,3-Dichlorobenzene	<30		76	30	ug/Kg	☼	09/22/21 09:50	09/29/21 19:45	50
1,4-Dichlorobenzene	<28		76	28	ug/Kg	☼	09/22/21 09:50	09/29/21 19:45	50
Dichlorodifluoromethane	<51		230	51	ug/Kg	☼	09/22/21 09:50	09/29/21 19:45	50
1,1-Dichloroethane	<31		76	31	ug/Kg	☼	09/22/21 09:50	09/29/21 19:45	50
1,2-Dichloroethane	<30		76	30	ug/Kg	☼	09/22/21 09:50	09/29/21 19:45	50
1,1-Dichloroethene	<30		76	30	ug/Kg	☼	09/22/21 09:50	09/29/21 19:45	50
1,2-Dichloropropane	<32		76	32	ug/Kg	☼	09/22/21 09:50	09/29/21 19:45	50
1,3-Dichloropropane	<27		76	27	ug/Kg	☼	09/22/21 09:50	09/29/21 19:45	50
2,2-Dichloropropane	<34	*+	76	34	ug/Kg	☼	09/22/21 09:50	09/29/21 19:45	50
1,1-Dichloropropene	<23		76	23	ug/Kg	☼	09/22/21 09:50	09/29/21 19:45	50
Ethylbenzene	<14		19	14	ug/Kg	☼	09/22/21 09:50	09/29/21 19:45	50
Hexachlorobutadiene	<34		76	34	ug/Kg	☼	09/22/21 09:50	09/29/21 19:45	50
Isopropylbenzene	<29		76	29	ug/Kg	☼	09/22/21 09:50	09/29/21 19:45	50
Isopropyl ether	<21		76	21	ug/Kg	☼	09/22/21 09:50	09/29/21 19:45	50
Methylene Chloride	<120		380	120	ug/Kg	☼	09/22/21 09:50	09/29/21 19:45	50
Methyl tert-butyl ether	<30		76	30	ug/Kg	☼	09/22/21 09:50	09/29/21 19:45	50
Naphthalene	<25		76	25	ug/Kg	☼	09/22/21 09:50	09/29/21 19:45	50
n-Butylbenzene	<29		76	29	ug/Kg	☼	09/22/21 09:50	09/29/21 19:45	50
N-Propylbenzene	<31		76	31	ug/Kg	☼	09/22/21 09:50	09/29/21 19:45	50
p-Isopropyltoluene	<27		76	27	ug/Kg	☼	09/22/21 09:50	09/29/21 19:45	50
sec-Butylbenzene	<30		76	30	ug/Kg	☼	09/22/21 09:50	09/29/21 19:45	50
Styrene	<29		76	29	ug/Kg	☼	09/22/21 09:50	09/29/21 19:45	50
tert-Butylbenzene	<30		76	30	ug/Kg	☼	09/22/21 09:50	09/29/21 19:45	50
1,1,1,2-Tetrachloroethane	<35		76	35	ug/Kg	☼	09/22/21 09:50	09/29/21 19:45	50
1,1,2,2-Tetrachloroethane	<30		76	30	ug/Kg	☼	09/22/21 09:50	09/29/21 19:45	50
Tetrachloroethene	<28		76	28	ug/Kg	☼	09/22/21 09:50	09/29/21 19:45	50
Toluene	<11		19	11	ug/Kg	☼	09/22/21 09:50	09/29/21 19:45	50
trans-1,2-Dichloroethene	<27		76	27	ug/Kg	☼	09/22/21 09:50	09/29/21 19:45	50

Client: Ramboll US Corporation
Job ID: 500-205623-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: PZ-14 (5-6)
Lab Sample ID: 500-205623-14
Date Collected: 09/22/21 09:50
Matrix: Solid
Date Received: 09/23/21 10:10
Percent Solids: 80.0

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<27		76	27	ug/Kg	☼	09/22/21 09:50	09/29/21 19:45	50
1,2,3-Trichlorobenzene	<35		76	35	ug/Kg	☼	09/22/21 09:50	09/29/21 19:45	50
1,2,4-Trichlorobenzene	<26		76	26	ug/Kg	☼	09/22/21 09:50	09/29/21 19:45	50
1,1,1-Trichloroethane	<29	*+	76	29	ug/Kg	☼	09/22/21 09:50	09/29/21 19:45	50
1,1,2-Trichloroethane	<27		76	27	ug/Kg	☼	09/22/21 09:50	09/29/21 19:45	50
Trichloroethene	<12		38	12	ug/Kg	☼	09/22/21 09:50	09/29/21 19:45	50
Trichlorofluoromethane	<32	*+	76	32	ug/Kg	☼	09/22/21 09:50	09/29/21 19:45	50
1,2,3-Trichloropropane	<31		150	31	ug/Kg	☼	09/22/21 09:50	09/29/21 19:45	50
1,2,4-Trimethylbenzene	<27		76	27	ug/Kg	☼	09/22/21 09:50	09/29/21 19:45	50
1,3,5-Trimethylbenzene	<29		76	29	ug/Kg	☼	09/22/21 09:50	09/29/21 19:45	50
Vinyl chloride	<20		76	20	ug/Kg	☼	09/22/21 09:50	09/29/21 19:45	50
Xylenes, Total	<17		38	17	ug/Kg	☼	09/22/21 09:50	09/29/21 19:45	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*72 - 124*	*09/22/21 09:50*	*09/29/21 19:45*	*50*
Dibromofluoromethane (Surr)	*91*		*75 - 120*	*09/22/21 09:50*	*09/29/21 19:45*	*50*
1,2-Dichloroethane-d4 (Surr)	*112*		*75 - 126*	*09/22/21 09:50*	*09/29/21 19:45*	*50*
Toluene-d8 (Surr)	*88*		*75 - 120*	*09/22/21 09:50*	*09/29/21 19:45*	*50*

Client: Ramboll US Corporation
Project/Site: Former Mirro 20 - Chilton 1690019558

Job ID: 500-205623-1

Client Sample ID: Trip Blank

Date Collected: 09/20/21 00:00
Date Received: 09/23/21 10:10

Lab Sample ID: 500-205623-15

Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<7.3		13	7.3	ug/Kg		09/20/21 00:00	09/29/21 13:28	50
Bromobenzene	<18		50	18	ug/Kg		09/20/21 00:00	09/29/21 13:28	50
Bromochloromethane	<21		50	21	ug/Kg		09/20/21 00:00	09/29/21 13:28	50
Bromodichloromethane	<19		50	19	ug/Kg		09/20/21 00:00	09/29/21 13:28	50
Bromoform	<24		50	24	ug/Kg		09/20/21 00:00	09/29/21 13:28	50
Bromomethane	<40	*+	150	40	ug/Kg		09/20/21 00:00	09/29/21 13:28	50
2-Butanone (MEK)	<110		250	110	ug/Kg		09/20/21 00:00	09/29/21 13:28	50
Carbon tetrachloride	<19	*+	50	19	ug/Kg		09/20/21 00:00	09/29/21 13:28	50
Chlorobenzene	<19		50	19	ug/Kg		09/20/21 00:00	09/29/21 13:28	50
Chloroethane	<25	*+	50	25	ug/Kg		09/20/21 00:00	09/29/21 13:28	50
Chloroform	<19		100	19	ug/Kg		09/20/21 00:00	09/29/21 13:28	50
Chloromethane	<16		50	16	ug/Kg		09/20/21 00:00	09/29/21 13:28	50
2-Chlorotoluene	<16		50	16	ug/Kg		09/20/21 00:00	09/29/21 13:28	50
4-Chlorotoluene	<18		50	18	ug/Kg		09/20/21 00:00	09/29/21 13:28	50
cis-1,2-Dichloroethene	<20		50	20	ug/Kg		09/20/21 00:00	09/29/21 13:28	50
cis-1,3-Dichloropropene	<21		50	21	ug/Kg		09/20/21 00:00	09/29/21 13:28	50
Dibromochloromethane	<24		50	24	ug/Kg		09/20/21 00:00	09/29/21 13:28	50
1,2-Dibromo-3-Chloropropane	<100	*-	250	100	ug/Kg		09/20/21 00:00	09/29/21 13:28	50
1,2-Dibromoethane	<19		50	19	ug/Kg		09/20/21 00:00	09/29/21 13:28	50
Dibromomethane	<14		50	14	ug/Kg		09/20/21 00:00	09/29/21 13:28	50
1,2-Dichlorobenzene	<17		50	17	ug/Kg		09/20/21 00:00	09/29/21 13:28	50
1,3-Dichlorobenzene	<20		50	20	ug/Kg		09/20/21 00:00	09/29/21 13:28	50
1,4-Dichlorobenzene	<18		50	18	ug/Kg		09/20/21 00:00	09/29/21 13:28	50
Dichlorodifluoromethane	<34		150	34	ug/Kg		09/20/21 00:00	09/29/21 13:28	50
1,1-Dichloroethane	<21		50	21	ug/Kg		09/20/21 00:00	09/29/21 13:28	50
1,2-Dichloroethane	<20		50	20	ug/Kg		09/20/21 00:00	09/29/21 13:28	50
1,1-Dichloroethene	<20		50	20	ug/Kg		09/20/21 00:00	09/29/21 13:28	50
1,2-Dichloropropane	<21		50	21	ug/Kg		09/20/21 00:00	09/29/21 13:28	50
1,3-Dichloropropane	<18		50	18	ug/Kg		09/20/21 00:00	09/29/21 13:28	50
2,2-Dichloropropane	<22	*+	50	22	ug/Kg		09/20/21 00:00	09/29/21 13:28	50
1,1-Dichloropropene	<15		50	15	ug/Kg		09/20/21 00:00	09/29/21 13:28	50
Ethylbenzene	<9.2		13	9.2	ug/Kg		09/20/21 00:00	09/29/21 13:28	50
Hexachlorobutadiene	<22		50	22	ug/Kg		09/20/21 00:00	09/29/21 13:28	50
Isopropylbenzene	<19		50	19	ug/Kg		09/20/21 00:00	09/29/21 13:28	50
Isopropyl ether	<14		50	14	ug/Kg		09/20/21 00:00	09/29/21 13:28	50
Methylene Chloride	<82		250	82	ug/Kg		09/20/21 00:00	09/29/21 13:28	50
Methyl tert-butyl ether	<20		50	20	ug/Kg		09/20/21 00:00	09/29/21 13:28	50
Naphthalene	<17		50	17	ug/Kg		09/20/21 00:00	09/29/21 13:28	50
n-Butylbenzene	<19		50	19	ug/Kg		09/20/21 00:00	09/29/21 13:28	50
N-Propylbenzene	<21		50	21	ug/Kg		09/20/21 00:00	09/29/21 13:28	50
p-Isopropyltoluene	<18		50	18	ug/Kg		09/20/21 00:00	09/29/21 13:28	50
sec-Butylbenzene	<20		50	20	ug/Kg		09/20/21 00:00	09/29/21 13:28	50
Styrene	<19		50	19	ug/Kg		09/20/21 00:00	09/29/21 13:28	50
tert-Butylbenzene	<20		50	20	ug/Kg		09/20/21 00:00	09/29/21 13:28	50
1,1,1,2-Tetrachloroethane	<23		50	23	ug/Kg		09/20/21 00:00	09/29/21 13:28	50
1,1,2,2-Tetrachloroethane	<20		50	20	ug/Kg		09/20/21 00:00	09/29/21 13:28	50
Tetrachloroethene	<19		50	19	ug/Kg		09/20/21 00:00	09/29/21 13:28	50
Toluene	<7.4		13	7.4	ug/Kg		09/20/21 00:00	09/29/21 13:28	50
trans-1,2-Dichloroethene	<18		50	18	ug/Kg		09/20/21 00:00	09/29/21 13:28	50

Client: Ramboll US Corporation
Job ID: 500-205623-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: Trip Blank
Lab Sample ID: 500-205623-15
Date Collected: 09/20/21 00:00
Matrix: Solid
Date Received: 09/23/21 10:10

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<18		50	18	ug/Kg		09/20/21 00:00	09/29/21 13:28	50
1,2,3-Trichlorobenzene	<23		50	23	ug/Kg		09/20/21 00:00	09/29/21 13:28	50
1,2,4-Trichlorobenzene	<17		50	17	ug/Kg		09/20/21 00:00	09/29/21 13:28	50
1,1,1-Trichloroethane	<19	*+	50	19	ug/Kg		09/20/21 00:00	09/29/21 13:28	50
1,1,2-Trichloroethane	<18		50	18	ug/Kg		09/20/21 00:00	09/29/21 13:28	50
Trichloroethene	<8.2		25	8.2	ug/Kg		09/20/21 00:00	09/29/21 13:28	50
Trichlorofluoromethane	<21	*+	50	21	ug/Kg		09/20/21 00:00	09/29/21 13:28	50
1,2,3-Trichloropropane	<21		100	21	ug/Kg		09/20/21 00:00	09/29/21 13:28	50
1,2,4-Trimethylbenzene	<18		50	18	ug/Kg		09/20/21 00:00	09/29/21 13:28	50
1,3,5-Trimethylbenzene	<19		50	19	ug/Kg		09/20/21 00:00	09/29/21 13:28	50
Vinyl chloride	<13		50	13	ug/Kg		09/20/21 00:00	09/29/21 13:28	50
Xylenes, Total	<11		25	11	ug/Kg		09/20/21 00:00	09/29/21 13:28	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*72 - 124*	*09/20/21 00:00*	*09/29/21 13:28*	*50*
Dibromofluoromethane (Surr)	*95*		*75 - 120*	*09/20/21 00:00*	*09/29/21 13:28*	*50*
1,2-Dichloroethane-d4 (Surr)	*108*		*75 - 126*	*09/20/21 00:00*	*09/29/21 13:28*	*50*
Toluene-d8 (Surr)	*86*		*75 - 120*	*09/20/21 00:00*	*09/29/21 13:28*	*50*

Definitions/Glossary

Client: Ramboll US Corporation
Job ID: 500-205623-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*+	LCS and/or LCSD is outside acceptance limits, high biased.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
*3	ISTD response or retention time outside acceptable limits.
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.
¤	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: Ramboll US Corporation
Project/Site: Former Mirro 20 - Chilton 1690019558

Job ID: 500-205623-1

GC/MS VOA

Prep Batch: 620069

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-205623-1	SB-100 (2-4)	Total/NA	Solid	5035	
500-205623-2	MW-12 (2-4)	Total/NA	Solid	5035	
500-205623-3	MW-11 (0-4)	Total/NA	Solid	5035	
500-205623-4	SB-101 (2-4)	Total/NA	Solid	5035	
500-205623-5	SB-102 (2-4)	Total/NA	Solid	5035	
500-205623-6	SB-104 (2-4)	Total/NA	Solid	5035	
500-205623-7	SB-103 (1.5-3.5)	Total/NA	Solid	5035	
500-205623-8	SB-106 (2-4)	Total/NA	Solid	5035	
500-205623-9	SB-105 (2-4)	Total/NA	Solid	5035	
500-205623-10	SB-108 (2-4)	Total/NA	Solid	5035	
500-205623-11	SB-107 (2-4)	Total/NA	Solid	5035	
500-205623-12	PZ-13 (2-4)	Total/NA	Solid	5035	
500-205623-13	PZ-14 (2-4)	Total/NA	Solid	5035	
500-205623-14	PZ-14 (5-6)	Total/NA	Solid	5035	
500-205623-15	Trip Blank	Total/NA	Solid	5035	
LB3 500-620069/20-A	Method Blank	Total/NA	Solid	5035	
LCS 500-620069/21-A	Lab Control Sample	Total/NA	Solid	5035	
500-205623-1 MS	SB-100 (2-4)	Total/NA	Solid	5035	
500-205623-1 MSD	SB-100 (2-4)	Total/NA	Solid	5035	

Analysis Batch: 620804

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-205623-1	SB-100 (2-4)	Total/NA	Solid	8260B	620069
500-205623-2	MW-12 (2-4)	Total/NA	Solid	8260B	620069
500-205623-3	MW-11 (0-4)	Total/NA	Solid	8260B	620069
500-205623-4	SB-101 (2-4)	Total/NA	Solid	8260B	620069
500-205623-5	SB-102 (2-4)	Total/NA	Solid	8260B	620069
500-205623-6	SB-104 (2-4)	Total/NA	Solid	8260B	620069
500-205623-7	SB-103 (1.5-3.5)	Total/NA	Solid	8260B	620069
500-205623-8	SB-106 (2-4)	Total/NA	Solid	8260B	620069
500-205623-9	SB-105 (2-4)	Total/NA	Solid	8260B	620069
500-205623-10	SB-108 (2-4)	Total/NA	Solid	8260B	620069
500-205623-11	SB-107 (2-4)	Total/NA	Solid	8260B	620069
500-205623-12	PZ-13 (2-4)	Total/NA	Solid	8260B	620069
500-205623-13	PZ-14 (2-4)	Total/NA	Solid	8260B	620069
500-205623-14	PZ-14 (5-6)	Total/NA	Solid	8260B	620069
500-205623-15	Trip Blank	Total/NA	Solid	8260B	620069
LB3 500-620069/20-A	Method Blank	Total/NA	Solid	8260B	620069
MB 500-620804/7	Method Blank	Total/NA	Solid	8260B	
LCS 500-620069/21-A	Lab Control Sample	Total/NA	Solid	8260B	620069
LCS 500-620804/30	Lab Control Sample	Total/NA	Solid	8260B	
500-205623-1 MS	SB-100 (2-4)	Total/NA	Solid	8260B	620069
500-205623-1 MSD	SB-100 (2-4)	Total/NA	Solid	8260B	620069

GC/MS Semi VOA

Prep Batch: 620241

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-205623-1	SB-100 (2-4)	Total/NA	Solid	3541	
500-205623-2	MW-12 (2-4)	Total/NA	Solid	3541	
500-205623-3	MW-11 (0-4)	Total/NA	Solid	3541	

GC/MS Semi VOA (Continued)

Prep Batch: 620241 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-205623-8	SB-106 (2-4)	Total/NA	Solid	3541	
500-205623-9	SB-105 (2-4)	Total/NA	Solid	3541	
500-205623-10	SB-108 (2-4)	Total/NA	Solid	3541	
500-205623-11	SB-107 (2-4)	Total/NA	Solid	3541	
MB 500-620241/1-A	Method Blank	Total/NA	Solid	3541	
LCS 500-620241/2-A	Lab Control Sample	Total/NA	Solid	3541	

Analysis Batch: 620386

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-205623-1	SB-100 (2-4)	Total/NA	Solid	8270D	620241
500-205623-2	MW-12 (2-4)	Total/NA	Solid	8270D	620241
500-205623-3	MW-11 (0-4)	Total/NA	Solid	8270D	620241
500-205623-9	SB-105 (2-4)	Total/NA	Solid	8270D	620241
500-205623-10	SB-108 (2-4)	Total/NA	Solid	8270D	620241
500-205623-11	SB-107 (2-4)	Total/NA	Solid	8270D	620241
MB 500-620241/1-A	Method Blank	Total/NA	Solid	8270D	620241
LCS 500-620241/2-A	Lab Control Sample	Total/NA	Solid	8270D	620241

Analysis Batch: 620612

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-205623-8	SB-106 (2-4)	Total/NA	Solid	8270D	620241

Metals

Prep Batch: 620527

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-205623-2	MW-12 (2-4)	Total/NA	Solid	3050B	
500-205623-3	MW-11 (0-4)	Total/NA	Solid	3050B	
MB 500-620527/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 500-620527/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Analysis Batch: 621016

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-205623-2	MW-12 (2-4)	Total/NA	Solid	6010B	620527
500-205623-3	MW-11 (0-4)	Total/NA	Solid	6010B	620527
MB 500-620527/1-A	Method Blank	Total/NA	Solid	6010B	620527
LCS 500-620527/2-A	Lab Control Sample	Total/NA	Solid	6010B	620527

Prep Batch: 621100

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-205623-2	MW-12 (2-4)	Total/NA	Solid	7471B	
500-205623-3	MW-11 (0-4)	Total/NA	Solid	7471B	
MB 500-621100/12-A	Method Blank	Total/NA	Solid	7471B	
LCS 500-621100/13-A	Lab Control Sample	Total/NA	Solid	7471B	

Analysis Batch: 621270

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-205623-2	MW-12 (2-4)	Total/NA	Solid	7471B	621100
500-205623-3	MW-11 (0-4)	Total/NA	Solid	7471B	621100
MB 500-621100/12-A	Method Blank	Total/NA	Solid	7471B	621100
LCS 500-621100/13-A	Lab Control Sample	Total/NA	Solid	7471B	621100

General Chemistry

Analysis Batch: 620032

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-205623-1	SB-100 (2-4)	Total/NA	Solid	Moisture	
500-205623-2	MW-12 (2-4)	Total/NA	Solid	Moisture	
500-205623-3	MW-11 (0-4)	Total/NA	Solid	Moisture	
500-205623-4	SB-101 (2-4)	Total/NA	Solid	Moisture	
500-205623-5	SB-102 (2-4)	Total/NA	Solid	Moisture	
500-205623-6	SB-104 (2-4)	Total/NA	Solid	Moisture	
500-205623-7	SB-103 (1.5-3.5)	Total/NA	Solid	Moisture	
500-205623-8	SB-106 (2-4)	Total/NA	Solid	Moisture	
500-205623-9	SB-105 (2-4)	Total/NA	Solid	Moisture	
500-205623-10	SB-108 (2-4)	Total/NA	Solid	Moisture	
500-205623-11	SB-107 (2-4)	Total/NA	Solid	Moisture	
500-205623-12	PZ-13 (2-4)	Total/NA	Solid	Moisture	
500-205623-13	PZ-14 (2-4)	Total/NA	Solid	Moisture	
500-205623-14	PZ-14 (5-6)	Total/NA	Solid	Moisture	
500-205623-1 DU	SB-100 (2-4)	Total/NA	Solid	Moisture	

Surrogate Summary

Client: Ramboll US Corporation
Project/Site: Former Mirro 20 - Chilton 1690019558

Job ID: 500-205623-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	DCA	TOL
Lab Sample ID	Client Sample ID	(72-124)	(75-120)	(75-126)	(75-120)
500-205623-1	SB-100 (2-4)	92	91	109	89
500-205623-1 MS	SB-100 (2-4)	84	97	104	90
500-205623-1 MSD	SB-100 (2-4)	89	98	104	89
500-205623-2	MW-12 (2-4)	93	93	107	89
500-205623-3	MW-11 (0-4)	92	94	109	88
500-205623-4	SB-101 (2-4)	93	92	109	90
500-205623-5	SB-102 (2-4)	91	91	108	87
500-205623-6	SB-104 (2-4)	91	91	109	89
500-205623-7	SB-103 (1.5-3.5)	92	92	109	88
500-205623-8	SB-106 (2-4)	92	90	108	90
500-205623-9	SB-105 (2-4)	95	94	112	90
500-205623-10	SB-108 (2-4)	91	91	109	91
500-205623-11	SB-107 (2-4)	93	93	111	90
500-205623-12	PZ-13 (2-4)	92	93	111	89
500-205623-13	PZ-14 (2-4)	92	92	109	88
500-205623-14	PZ-14 (5-6)	90	91	112	88
500-205623-15	Trip Blank	91	95	108	86
LB3 500-620069/20-A	Method Blank	90	93	108	88
LCS 500-620069/21-A	Lab Control Sample	84	98	104	88
LCS 500-620804/30	Lab Control Sample	81	99	103	88
MB 500-620804/7	Method Blank	93	95	109	91

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
		NBZ	TPHL	FBP
Lab Sample ID	Client Sample ID	(37-147)	(42-157)	(43-145)
500-205623-1	SB-100 (2-4)	71	79	80
500-205623-2	MW-12 (2-4)	66	81	77
500-205623-3	MW-11 (0-4)	71	83	79
500-205623-8	SB-106 (2-4)	70	88	80
500-205623-9	SB-105 (2-4)	83	133	90
500-205623-10	SB-108 (2-4)	70	89	80
500-205623-11	SB-107 (2-4)	62	90	75
LCS 500-620241/2-A	Lab Control Sample	87	92	86
MB 500-620241/1-A	Method Blank	85	98	99

Surrogate Legend

NBZ = Nitrobenzene-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)
FBP = 2-Fluorobiphenyl (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: LB3 500-620069/20-A
Matrix: Solid
Analysis Batch: 620804

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 620069

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<7.3		13	7.3	ug/Kg		09/24/21 03:55	09/29/21 13:03	50
Bromobenzene	<18		50	18	ug/Kg		09/24/21 03:55	09/29/21 13:03	50
Bromochloromethane	<21		50	21	ug/Kg		09/24/21 03:55	09/29/21 13:03	50
Bromodichloromethane	<19		50	19	ug/Kg		09/24/21 03:55	09/29/21 13:03	50
Bromoform	<24		50	24	ug/Kg		09/24/21 03:55	09/29/21 13:03	50
Bromomethane	<40	*+	150	40	ug/Kg		09/24/21 03:55	09/29/21 13:03	50
2-Butanone (MEK)	<110		250	110	ug/Kg		09/24/21 03:55	09/29/21 13:03	50
Carbon tetrachloride	<19	*+	50	19	ug/Kg		09/24/21 03:55	09/29/21 13:03	50
Chlorobenzene	<19		50	19	ug/Kg		09/24/21 03:55	09/29/21 13:03	50
Chloroethane	<25	*+	50	25	ug/Kg		09/24/21 03:55	09/29/21 13:03	50
Chloroform	<19		100	19	ug/Kg		09/24/21 03:55	09/29/21 13:03	50
Chloromethane	<16		50	16	ug/Kg		09/24/21 03:55	09/29/21 13:03	50
2-Chlorotoluene	<16		50	16	ug/Kg		09/24/21 03:55	09/29/21 13:03	50
4-Chlorotoluene	<18		50	18	ug/Kg		09/24/21 03:55	09/29/21 13:03	50
cis-1,2-Dichloroethene	<20		50	20	ug/Kg		09/24/21 03:55	09/29/21 13:03	50
cis-1,3-Dichloropropene	<21		50	21	ug/Kg		09/24/21 03:55	09/29/21 13:03	50
Dibromochloromethane	<24		50	24	ug/Kg		09/24/21 03:55	09/29/21 13:03	50
1,2-Dibromo-3-Chloropropane	<100		250	100	ug/Kg		09/24/21 03:55	09/29/21 13:03	50
1,2-Dibromoethane	<19		50	19	ug/Kg		09/24/21 03:55	09/29/21 13:03	50
Dibromomethane	<14		50	14	ug/Kg		09/24/21 03:55	09/29/21 13:03	50
1,2-Dichlorobenzene	<17		50	17	ug/Kg		09/24/21 03:55	09/29/21 13:03	50
1,3-Dichlorobenzene	<20		50	20	ug/Kg		09/24/21 03:55	09/29/21 13:03	50
1,4-Dichlorobenzene	<18		50	18	ug/Kg		09/24/21 03:55	09/29/21 13:03	50
Dichlorodifluoromethane	<34		150	34	ug/Kg		09/24/21 03:55	09/29/21 13:03	50
1,1-Dichloroethane	<21		50	21	ug/Kg		09/24/21 03:55	09/29/21 13:03	50
1,2-Dichloroethane	<20		50	20	ug/Kg		09/24/21 03:55	09/29/21 13:03	50
1,1-Dichloroethene	<20		50	20	ug/Kg		09/24/21 03:55	09/29/21 13:03	50
1,2-Dichloropropane	<21		50	21	ug/Kg		09/24/21 03:55	09/29/21 13:03	50
1,3-Dichloropropane	<18		50	18	ug/Kg		09/24/21 03:55	09/29/21 13:03	50
2,2-Dichloropropane	<22	*+	50	22	ug/Kg		09/24/21 03:55	09/29/21 13:03	50
1,1-Dichloropropene	<15		50	15	ug/Kg		09/24/21 03:55	09/29/21 13:03	50
Ethylbenzene	<9.2		13	9.2	ug/Kg		09/24/21 03:55	09/29/21 13:03	50
Hexachlorobutadiene	<22		50	22	ug/Kg		09/24/21 03:55	09/29/21 13:03	50
Isopropylbenzene	<19		50	19	ug/Kg		09/24/21 03:55	09/29/21 13:03	50
Isopropyl ether	<14		50	14	ug/Kg		09/24/21 03:55	09/29/21 13:03	50
Methylene Chloride	<82		250	82	ug/Kg		09/24/21 03:55	09/29/21 13:03	50
Methyl tert-butyl ether	<20		50	20	ug/Kg		09/24/21 03:55	09/29/21 13:03	50
Naphthalene	<17		50	17	ug/Kg		09/24/21 03:55	09/29/21 13:03	50
n-Butylbenzene	<19		50	19	ug/Kg		09/24/21 03:55	09/29/21 13:03	50
N-Propylbenzene	<21		50	21	ug/Kg		09/24/21 03:55	09/29/21 13:03	50
p-Isopropyltoluene	<18		50	18	ug/Kg		09/24/21 03:55	09/29/21 13:03	50
sec-Butylbenzene	<20		50	20	ug/Kg		09/24/21 03:55	09/29/21 13:03	50
Styrene	<19		50	19	ug/Kg		09/24/21 03:55	09/29/21 13:03	50
tert-Butylbenzene	<20		50	20	ug/Kg		09/24/21 03:55	09/29/21 13:03	50
1,1,1,2-Tetrachloroethane	<23		50	23	ug/Kg		09/24/21 03:55	09/29/21 13:03	50
1,1,2,2-Tetrachloroethane	<20		50	20	ug/Kg		09/24/21 03:55	09/29/21 13:03	50
Tetrachloroethene	<19		50	19	ug/Kg		09/24/21 03:55	09/29/21 13:03	50
Toluene	<7.4		13	7.4	ug/Kg		09/24/21 03:55	09/29/21 13:03	50

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LB3 500-620069/20-A
Matrix: Solid
Analysis Batch: 620804

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 620069

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	<18		50	18	ug/Kg		09/24/21 03:55	09/29/21 13:03	50
trans-1,3-Dichloropropene	<18		50	18	ug/Kg		09/24/21 03:55	09/29/21 13:03	50
1,2,3-Trichlorobenzene	<23		50	23	ug/Kg		09/24/21 03:55	09/29/21 13:03	50
1,2,4-Trichlorobenzene	<17		50	17	ug/Kg		09/24/21 03:55	09/29/21 13:03	50
1,1,1-Trichloroethane	<19	*+	50	19	ug/Kg		09/24/21 03:55	09/29/21 13:03	50
1,1,2-Trichloroethane	<18		50	18	ug/Kg		09/24/21 03:55	09/29/21 13:03	50
Trichloroethene	<8.2		25	8.2	ug/Kg		09/24/21 03:55	09/29/21 13:03	50
Trichlorofluoromethane	<21	*+	50	21	ug/Kg		09/24/21 03:55	09/29/21 13:03	50
1,2,3-Trichloropropane	<21		100	21	ug/Kg		09/24/21 03:55	09/29/21 13:03	50
1,2,4-Trimethylbenzene	<18		50	18	ug/Kg		09/24/21 03:55	09/29/21 13:03	50
1,3,5-Trimethylbenzene	<19		50	19	ug/Kg		09/24/21 03:55	09/29/21 13:03	50
Vinyl chloride	<13		50	13	ug/Kg		09/24/21 03:55	09/29/21 13:03	50
Xylenes, Total	<11		25	11	ug/Kg		09/24/21 03:55	09/29/21 13:03	50

Surrogate	*LB3 %Recovery*	*LB3 Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*72 - 124*	*09/24/21 03:55*	*09/29/21 13:03*	*50*
Dibromofluoromethane (Surr)	*93*		*75 - 120*	*09/24/21 03:55*	*09/29/21 13:03*	*50*
1,2-Dichloroethane-d4 (Surr)	*108*		*75 - 126*	*09/24/21 03:55*	*09/29/21 13:03*	*50*
Toluene-d8 (Surr)	*88*		*75 - 120*	*09/24/21 03:55*	*09/29/21 13:03*	*50*

Lab Sample ID: LCS 500-620069/21-A
Matrix: Solid
Analysis Batch: 620804

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 620069

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	2500	2700		ug/Kg		108	70 - 120
Bromobenzene	2500	2510		ug/Kg		101	70 - 122
Bromochloromethane	2500	2810		ug/Kg		113	65 - 122
Bromodichloromethane	2500	2620		ug/Kg		105	69 - 120
Bromoform	2500	1960		ug/Kg		78	56 - 132
Bromomethane	2500	6770	*+	ug/Kg		271	40 - 152
2-Butanone (MEK)	2500	2350		ug/Kg		94	46 - 144
Carbon tetrachloride	2500	3360	*+	ug/Kg		134	59 - 133
Chlorobenzene	2500	2580		ug/Kg		103	70 - 120
Chloroethane	2500	4010	*+	ug/Kg		161	48 - 136
Chloroform	2500	2780		ug/Kg		111	70 - 120
Chloromethane	2500	2180		ug/Kg		87	56 - 152
2-Chlorotoluene	2500	2430		ug/Kg		97	70 - 125
4-Chlorotoluene	2500	2480		ug/Kg		99	68 - 124
cis-1,2-Dichloroethene	2500	2700		ug/Kg		108	70 - 125
cis-1,3-Dichloropropene	2500	2070		ug/Kg		83	64 - 127
Dibromochloromethane	2500	2090		ug/Kg		84	68 - 125
1,2-Dibromo-3-Chloropropane	2500	1700		ug/Kg		68	56 - 123
1,2-Dibromoethane	2500	2390		ug/Kg		95	70 - 125
Dibromomethane	2500	2860		ug/Kg		115	70 - 120
1,2-Dichlorobenzene	2500	2580		ug/Kg		103	70 - 125
1,3-Dichlorobenzene	2500	2570		ug/Kg		103	70 - 125
1,4-Dichlorobenzene	2500	2590		ug/Kg		104	70 - 120

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-620069/21-A
Matrix: Solid
Analysis Batch: 620804

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 620069

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorodifluoromethane	2500	2010		ug/Kg		80	40 - 159
1,1-Dichloroethane	2500	2600		ug/Kg		104	70 - 125
1,2-Dichloroethane	2500	2940		ug/Kg		118	68 - 127
1,1-Dichloroethene	2500	2730		ug/Kg		109	67 - 122
1,2-Dichloropropane	2500	2580		ug/Kg		103	67 - 130
1,3-Dichloropropane	2500	2390		ug/Kg		95	62 - 136
2,2-Dichloropropane	2500	3820	*+	ug/Kg		153	58 - 139
1,1-Dichloropropene	2500	2720		ug/Kg		109	70 - 121
Ethylbenzene	2500	2560		ug/Kg		102	70 - 123
Hexachlorobutadiene	2500	2790		ug/Kg		112	51 - 150
Isopropylbenzene	2500	2460		ug/Kg		99	70 - 126
Methylene Chloride	2500	2790		ug/Kg		112	69 - 125
Methyl tert-butyl ether	2500	2880		ug/Kg		115	55 - 123
Naphthalene	2500	2340		ug/Kg		94	53 - 144
n-Butylbenzene	2500	2540		ug/Kg		102	68 - 125
N-Propylbenzene	2500	2450		ug/Kg		98	69 - 127
p-Isopropyltoluene	2500	2620		ug/Kg		105	70 - 125
sec-Butylbenzene	2500	2570		ug/Kg		103	70 - 123
Styrene	2500	2660		ug/Kg		106	70 - 120
tert-Butylbenzene	2500	2490		ug/Kg		100	70 - 121
1,1,1,2-Tetrachloroethane	2500	2390		ug/Kg		96	70 - 125
1,1,2,2-Tetrachloroethane	2500	1970		ug/Kg		79	62 - 140
Tetrachloroethene	2500	2760		ug/Kg		110	70 - 128
Toluene	2500	2450		ug/Kg		98	70 - 125
trans-1,2-Dichloroethene	2500	2790		ug/Kg		112	70 - 125
trans-1,3-Dichloropropene	2500	2060		ug/Kg		82	62 - 128
1,2,3-Trichlorobenzene	2500	2520		ug/Kg		101	51 - 145
1,2,4-Trichlorobenzene	2500	2520		ug/Kg		101	57 - 137
1,1,1-Trichloroethane	2500	3380	*+	ug/Kg		135	70 - 125
1,1,2-Trichloroethane	2500	2420		ug/Kg		97	71 - 130
Trichloroethene	2500	2840		ug/Kg		114	70 - 125
Trichlorofluoromethane	2500	3530	*+	ug/Kg		141	55 - 128
1,2,3-Trichloropropane	2500	2170		ug/Kg		87	50 - 133
1,2,4-Trimethylbenzene	2500	2560		ug/Kg		102	70 - 123
1,3,5-Trimethylbenzene	2500	2550		ug/Kg		102	70 - 123
Vinyl chloride	2500	2530		ug/Kg		101	64 - 126
Xylenes, Total	5000	5320		ug/Kg		106	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*84*		*72 - 124*
Dibromofluoromethane (Surr)	*98*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 126*
Toluene-d8 (Surr)	*88*		*75 - 120*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-205623-1 MS
Matrix: Solid
Analysis Batch: 620804

Client Sample ID: SB-100 (2-4)
Prep Type: Total/NA
Prep Batch: 620069

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<10		3560	3530		ug/Kg	☼	99	70 - 120
Bromobenzene	<25		3560	3330		ug/Kg	☼	94	70 - 122
Bromochloromethane	<30		3560	3500		ug/Kg	☼	98	65 - 122
Bromodichloromethane	<26		3560	3380		ug/Kg	☼	95	69 - 120
Bromoform	<34		3560	2630		ug/Kg	☼	74	56 - 132
Bromomethane	<57	*+	3560	9060	F1	ug/Kg	☼	255	40 - 152
2-Butanone (MEK)	<150		3560	3370		ug/Kg	☼	95	46 - 144
Carbon tetrachloride	<27	*+	3560	4230		ug/Kg	☼	119	59 - 133
Chlorobenzene	<27		3560	3380		ug/Kg	☼	95	70 - 120
Chloroethane	<36	*+	3560	4950	F1	ug/Kg	☼	139	48 - 136
Chloroform	<26		3560	3650		ug/Kg	☼	103	70 - 120
Chloromethane	<23		3560	3200		ug/Kg	☼	90	56 - 152
2-Chlorotoluene	<22		3560	3270		ug/Kg	☼	92	70 - 125
4-Chlorotoluene	<25		3560	3310		ug/Kg	☼	93	68 - 124
cis-1,2-Dichloroethene	<29		3560	3540		ug/Kg	☼	99	70 - 125
cis-1,3-Dichloropropene	<30		3560	2800		ug/Kg	☼	79	64 - 127
Dibromochloromethane	<35		3560	2790		ug/Kg	☼	78	68 - 125
1,2-Dibromo-3-Chloropropane	<140	*-	3560	2270		ug/Kg	☼	64	56 - 123
1,2-Dibromoethane	<27		3560	3230		ug/Kg	☼	91	70 - 125
Dibromomethane	<19		3560	3580		ug/Kg	☼	101	70 - 120
1,2-Dichlorobenzene	<24		3560	3440		ug/Kg	☼	97	70 - 125
1,3-Dichlorobenzene	<28		3560	3380		ug/Kg	☼	95	70 - 125
1,4-Dichlorobenzene	<26		3560	3420		ug/Kg	☼	96	70 - 120
Dichlorodifluoromethane	<48		3560	3890		ug/Kg	☼	109	40 - 159
1,1-Dichloroethane	<29		3560	3330		ug/Kg	☼	94	70 - 125
1,2-Dichloroethane	<28		3560	3740		ug/Kg	☼	105	68 - 127
1,1-Dichloroethene	<28		3560	3590		ug/Kg	☼	101	67 - 122
1,2-Dichloropropane	<30		3560	3290		ug/Kg	☼	92	67 - 130
1,3-Dichloropropane	<26		3560	3170		ug/Kg	☼	89	62 - 136
2,2-Dichloropropane	<32	*+	3560	4780		ug/Kg	☼	135	58 - 139
1,1-Dichloropropene	<21		3560	3530		ug/Kg	☼	99	70 - 121
Ethylbenzene	<13		3560	3430		ug/Kg	☼	96	70 - 123
Hexachlorobutadiene	<32		3560	3770		ug/Kg	☼	106	51 - 150
Isopropylbenzene	<27		3560	3280		ug/Kg	☼	92	70 - 126
Methylene Chloride	<120		3560	3560		ug/Kg	☼	100	69 - 125
Methyl tert-butyl ether	<28		3560	3660		ug/Kg	☼	103	55 - 123
Naphthalene	<24		3560	3210		ug/Kg	☼	90	53 - 144
n-Butylbenzene	<28		3560	3400		ug/Kg	☼	96	68 - 125
N-Propylbenzene	<29		3560	3250		ug/Kg	☼	91	69 - 127
p-Isopropyltoluene	<26		3560	3500		ug/Kg	☼	98	70 - 125
sec-Butylbenzene	<28		3560	3460		ug/Kg	☼	97	70 - 123
Styrene	<27		3560	3550		ug/Kg	☼	100	70 - 120
tert-Butylbenzene	<28		3560	3310		ug/Kg	☼	93	70 - 121
1,1,1,2-Tetrachloroethane	<33		3560	3090		ug/Kg	☼	87	70 - 125
1,1,2,2-Tetrachloroethane	<28		3560	2630		ug/Kg	☼	74	62 - 140
Tetrachloroethene	<26		3560	3590		ug/Kg	☼	101	70 - 128
Toluene	<10		3560	3220		ug/Kg	☼	91	70 - 125
trans-1,2-Dichloroethene	<25		3560	3600		ug/Kg	☼	101	70 - 125

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-205623-1 MS
Matrix: Solid
Analysis Batch: 620804

Client Sample ID: SB-100 (2-4)
Prep Type: Total/NA
Prep Batch: 620069

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
trans-1,3-Dichloropropene	<26		3560	2770		ug/Kg	☼	78	62 - 128
1,2,3-Trichlorobenzene	<33		3560	3510		ug/Kg	☼	99	51 - 145
1,2,4-Trichlorobenzene	<24		3560	3400		ug/Kg	☼	96	57 - 137
1,1,1-Trichloroethane	<27	*+	3560	4370		ug/Kg	☼	123	70 - 125
1,1,2-Trichloroethane	<25		3560	3180		ug/Kg	☼	89	71 - 130
Trichloroethene	<12		3560	3590		ug/Kg	☼	101	70 - 125
Trichlorofluoromethane	<30	*+	3560	4670	F1	ug/Kg	☼	131	55 - 128
1,2,3-Trichloropropane	<29		3560	3040		ug/Kg	☼	86	50 - 133
1,2,4-Trimethylbenzene	<25		3560	3390		ug/Kg	☼	95	70 - 123
1,3,5-Trimethylbenzene	<27		3560	3380		ug/Kg	☼	95	70 - 123
Vinyl chloride	<19		3560	3630		ug/Kg	☼	102	64 - 126
Xylenes, Total	<16		7110	6970		ug/Kg	☼	98	70 - 125

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*84*		*72 - 124*
Dibromofluoromethane (Surr)	*97*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 126*
Toluene-d8 (Surr)	*90*		*75 - 120*

Lab Sample ID: 500-205623-1 MSD
Matrix: Solid
Analysis Batch: 620804

Client Sample ID: SB-100 (2-4)
Prep Type: Total/NA
Prep Batch: 620069

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<10		3560	3460		ug/Kg	☼	97	70 - 120	2	30
Bromobenzene	<25		3560	3490		ug/Kg	☼	98	70 - 122	5	30
Bromochloromethane	<30		3560	3430		ug/Kg	☼	96	65 - 122	2	30
Bromodichloromethane	<26		3560	3330		ug/Kg	☼	94	69 - 120	2	30
Bromoform	<34		3560	2580		ug/Kg	☼	73	56 - 132	2	30
Bromomethane	<57	*+	3560	9040	F1	ug/Kg	☼	254	40 - 152	0	30
2-Butanone (MEK)	<150		3560	3270		ug/Kg	☼	92	46 - 144	3	30
Carbon tetrachloride	<27	*+	3560	4250		ug/Kg	☼	120	59 - 133	0	30
Chlorobenzene	<27		3560	3370		ug/Kg	☼	95	70 - 120	0	30
Chloroethane	<36	*+	3560	5850	F1	ug/Kg	☼	165	48 - 136	17	30
Chloroform	<26		3560	3540		ug/Kg	☼	100	70 - 120	3	30
Chloromethane	<23		3560	3400		ug/Kg	☼	96	56 - 152	6	30
2-Chlorotoluene	<22		3560	3390		ug/Kg	☼	95	70 - 125	3	30
4-Chlorotoluene	<25		3560	3390		ug/Kg	☼	95	68 - 124	2	30
cis-1,2-Dichloroethene	<29		3560	3470		ug/Kg	☼	98	70 - 125	2	30
cis-1,3-Dichloropropene	<30		3560	2750		ug/Kg	☼	77	64 - 127	2	30
Dibromochloromethane	<35		3560	2800		ug/Kg	☼	79	68 - 125	0	30
1,2-Dibromo-3-Chloropropane	<140	*-	3560	2360		ug/Kg	☼	66	56 - 123	4	30
1,2-Dibromoethane	<27		3560	3200		ug/Kg	☼	90	70 - 125	1	30
Dibromomethane	<19		3560	3510		ug/Kg	☼	99	70 - 120	2	30
1,2-Dichlorobenzene	<24		3560	3480		ug/Kg	☼	98	70 - 125	1	30
1,3-Dichlorobenzene	<28		3560	3420		ug/Kg	☼	96	70 - 125	1	30
1,4-Dichlorobenzene	<26		3560	3490		ug/Kg	☼	98	70 - 120	2	30
Dichlorodifluoromethane	<48		3560	4190		ug/Kg	☼	118	40 - 159	8	30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-205623-1 MSD
Matrix: Solid
Analysis Batch: 620804

Client Sample ID: SB-100 (2-4)
Prep Type: Total/NA
Prep Batch: 620069

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethane	<29		3560	3330		ug/Kg	☼	94	70 - 125	0	30
1,2-Dichloroethane	<28		3560	3750		ug/Kg	☼	105	68 - 127	0	30
1,1-Dichloroethene	<28		3560	3540		ug/Kg	☼	100	67 - 122	1	30
1,2-Dichloropropane	<30		3560	3260		ug/Kg	☼	92	67 - 130	1	30
1,3-Dichloropropane	<26		3560	3140		ug/Kg	☼	88	62 - 136	1	30
2,2-Dichloropropane	<32	*+	3560	4760		ug/Kg	☼	134	58 - 139	1	30
1,1-Dichloropropene	<21		3560	3500		ug/Kg	☼	98	70 - 121	1	30
Ethylbenzene	<13		3560	3380		ug/Kg	☼	95	70 - 123	1	30
Hexachlorobutadiene	<32		3560	3840		ug/Kg	☼	108	51 - 150	2	30
Isopropylbenzene	<27		3560	3400		ug/Kg	☼	96	70 - 126	4	30
Methylene Chloride	<120		3560	3460		ug/Kg	☼	97	69 - 125	3	30
Methyl tert-butyl ether	<28		3560	3710		ug/Kg	☼	104	55 - 123	1	30
Naphthalene	<24		3560	3240		ug/Kg	☼	91	53 - 144	1	30
n-Butylbenzene	<28		3560	3350		ug/Kg	☼	94	68 - 125	2	30
N-Propylbenzene	<29		3560	3380		ug/Kg	☼	95	69 - 127	4	30
p-Isopropyltoluene	<26		3560	3530		ug/Kg	☼	99	70 - 125	1	30
sec-Butylbenzene	<28		3560	3580		ug/Kg	☼	101	70 - 123	4	30
Styrene	<27		3560	3390		ug/Kg	☼	95	70 - 120	5	30
tert-Butylbenzene	<28		3560	3480		ug/Kg	☼	98	70 - 121	5	30
1,1,1,2-Tetrachloroethane	<33		3560	3130		ug/Kg	☼	88	70 - 125	1	30
1,1,2,2-Tetrachloroethane	<28		3560	2800		ug/Kg	☼	79	62 - 140	6	30
Tetrachloroethene	<26		3560	3550		ug/Kg	☼	100	70 - 128	1	30
Toluene	<10		3560	3170		ug/Kg	☼	89	70 - 125	2	30
trans-1,2-Dichloroethene	<25		3560	3600		ug/Kg	☼	101	70 - 125	0	30
trans-1,3-Dichloropropene	<26		3560	2740		ug/Kg	☼	77	62 - 128	1	30
1,2,3-Trichlorobenzene	<33		3560	3520		ug/Kg	☼	99	51 - 145	0	30
1,2,4-Trichlorobenzene	<24		3560	3230		ug/Kg	☼	91	57 - 137	5	30
1,1,1-Trichloroethane	<27	*+	3560	4320		ug/Kg	☼	122	70 - 125	1	30
1,1,2-Trichloroethane	<25		3560	3160		ug/Kg	☼	89	71 - 130	1	30
Trichloroethene	<12		3560	3550		ug/Kg	☼	100	70 - 125	1	30
Trichlorofluoromethane	<30	*+	3560	4890	F1	ug/Kg	☼	138	55 - 128	5	30
1,2,3-Trichloropropane	<29		3560	3390		ug/Kg	☼	95	50 - 133	11	30
1,2,4-Trimethylbenzene	<25		3560	3480		ug/Kg	☼	98	70 - 123	3	30
1,3,5-Trimethylbenzene	<27		3560	3470		ug/Kg	☼	98	70 - 123	3	30
Vinyl chloride	<19		3560	3830		ug/Kg	☼	108	64 - 126	5	30
Xylenes, Total	<16		7110	6820		ug/Kg	☼	96	70 - 125	2	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*89*		*72 - 124*
Dibromofluoromethane (Surr)	*98*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 126*
Toluene-d8 (Surr)	*89*		*75 - 120*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-620804/7
Matrix: Solid
Analysis Batch: 620804

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.25	0.15	ug/Kg			09/29/21 11:48	1
Bromobenzene	<0.36		1.0	0.36	ug/Kg			09/29/21 11:48	1
Bromochloromethane	<0.43		1.0	0.43	ug/Kg			09/29/21 11:48	1
Bromodichloromethane	<0.37		1.0	0.37	ug/Kg			09/29/21 11:48	1
Bromoform	<0.48		1.0	0.48	ug/Kg			09/29/21 11:48	1
Bromomethane	<0.80		3.0	0.80	ug/Kg			09/29/21 11:48	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/Kg			09/29/21 11:48	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/Kg			09/29/21 11:48	1
Chlorobenzene	<0.39		1.0	0.39	ug/Kg			09/29/21 11:48	1
Chloroethane	<0.50		1.0	0.50	ug/Kg			09/29/21 11:48	1
Chloroform	<0.37		2.0	0.37	ug/Kg			09/29/21 11:48	1
Chloromethane	<0.32		1.0	0.32	ug/Kg			09/29/21 11:48	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/Kg			09/29/21 11:48	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/Kg			09/29/21 11:48	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/Kg			09/29/21 11:48	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/Kg			09/29/21 11:48	1
Dibromochloromethane	<0.49		1.0	0.49	ug/Kg			09/29/21 11:48	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/Kg			09/29/21 11:48	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/Kg			09/29/21 11:48	1
Dibromomethane	<0.27		1.0	0.27	ug/Kg			09/29/21 11:48	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/Kg			09/29/21 11:48	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/Kg			09/29/21 11:48	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/Kg			09/29/21 11:48	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/Kg			09/29/21 11:48	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/Kg			09/29/21 11:48	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/Kg			09/29/21 11:48	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/Kg			09/29/21 11:48	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/Kg			09/29/21 11:48	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/Kg			09/29/21 11:48	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/Kg			09/29/21 11:48	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/Kg			09/29/21 11:48	1
Ethylbenzene	<0.18		0.25	0.18	ug/Kg			09/29/21 11:48	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/Kg			09/29/21 11:48	1
Isopropylbenzene	<0.38		1.0	0.38	ug/Kg			09/29/21 11:48	1
Isopropyl ether	<0.28		1.0	0.28	ug/Kg			09/29/21 11:48	1
Methylene Chloride	<1.6		5.0	1.6	ug/Kg			09/29/21 11:48	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/Kg			09/29/21 11:48	1
Naphthalene	<0.33		1.0	0.33	ug/Kg			09/29/21 11:48	1
n-Butylbenzene	<0.39		1.0	0.39	ug/Kg			09/29/21 11:48	1
N-Propylbenzene	<0.41		1.0	0.41	ug/Kg			09/29/21 11:48	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/Kg			09/29/21 11:48	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/Kg			09/29/21 11:48	1
Styrene	<0.39		1.0	0.39	ug/Kg			09/29/21 11:48	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/Kg			09/29/21 11:48	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/Kg			09/29/21 11:48	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/Kg			09/29/21 11:48	1
Tetrachloroethene	<0.37		1.0	0.37	ug/Kg			09/29/21 11:48	1
Toluene	<0.15		0.25	0.15	ug/Kg			09/29/21 11:48	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-620804/7
Matrix: Solid
Analysis Batch: 620804

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/Kg			09/29/21 11:48	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/Kg			09/29/21 11:48	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/Kg			09/29/21 11:48	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/Kg			09/29/21 11:48	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/Kg			09/29/21 11:48	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/Kg			09/29/21 11:48	1
Trichloroethene	<0.16		0.50	0.16	ug/Kg			09/29/21 11:48	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/Kg			09/29/21 11:48	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/Kg			09/29/21 11:48	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/Kg			09/29/21 11:48	1
1,3,5-Trimethylbenzene	<0.38		1.0	0.38	ug/Kg			09/29/21 11:48	1
Vinyl chloride	<0.26		1.0	0.26	ug/Kg			09/29/21 11:48	1
Xylenes, Total	<0.22		0.50	0.22	ug/Kg			09/29/21 11:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*72 - 124*		*09/29/21 11:48*	*1*
Dibromofluoromethane (Surr)	*95*		*75 - 120*		*09/29/21 11:48*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*75 - 126*		*09/29/21 11:48*	*1*
Toluene-d8 (Surr)	*91*		*75 - 120*		*09/29/21 11:48*	*1*

Lab Sample ID: LCS 500-620804/30
Matrix: Solid
Analysis Batch: 620804

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	50.0	47.3		ug/Kg		95	70 - 120
Bromobenzene	50.0	42.6		ug/Kg		85	70 - 122
Bromochloromethane	50.0	47.5		ug/Kg		95	65 - 122
Bromodichloromethane	50.0	46.5		ug/Kg		93	69 - 120
Bromoform	50.0	36.5		ug/Kg		73	56 - 132
Bromomethane	50.0	123	*+	ug/Kg		246	40 - 152
2-Butanone (MEK)	50.0	46.8		ug/Kg		94	46 - 144
Carbon tetrachloride	50.0	59.2		ug/Kg		118	59 - 133
Chlorobenzene	50.0	45.4		ug/Kg		91	70 - 120
Chloroethane	50.0	83.9	*+	ug/Kg		168	48 - 136
Chloroform	50.0	48.6		ug/Kg		97	70 - 120
Chloromethane	50.0	42.4		ug/Kg		85	56 - 152
2-Chlorotoluene	50.0	42.3		ug/Kg		85	70 - 125
4-Chlorotoluene	50.0	43.1		ug/Kg		86	68 - 124
cis-1,2-Dichloroethene	50.0	47.0		ug/Kg		94	70 - 125
cis-1,3-Dichloropropene	50.0	38.3		ug/Kg		77	64 - 127
Dibromochloromethane	50.0	38.1		ug/Kg		76	68 - 125
1,2-Dibromo-3-Chloropropane	50.0	27.2	*-	ug/Kg		54	56 - 123
1,2-Dibromoethane	50.0	42.7		ug/Kg		85	70 - 125
Dibromomethane	50.0	48.5		ug/Kg		97	70 - 120
1,2-Dichlorobenzene	50.0	44.2		ug/Kg		88	70 - 125
1,3-Dichlorobenzene	50.0	44.7		ug/Kg		89	70 - 125
1,4-Dichlorobenzene	50.0	45.5		ug/Kg		91	70 - 120

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-620804/30
Matrix: Solid
Analysis Batch: 620804

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorodifluoromethane	50.0	52.2		ug/Kg		104	40 - 159
1,1-Dichloroethane	50.0	45.9		ug/Kg		92	70 - 125
1,2-Dichloroethane	50.0	51.9		ug/Kg		104	68 - 127
1,1-Dichloroethene	50.0	47.8		ug/Kg		96	67 - 122
1,2-Dichloropropane	50.0	46.3		ug/Kg		93	67 - 130
1,3-Dichloropropane	50.0	42.3		ug/Kg		85	62 - 136
2,2-Dichloropropane	50.0	64.5		ug/Kg		129	58 - 139
1,1-Dichloropropene	50.0	49.3		ug/Kg		99	70 - 121
Ethylbenzene	50.0	46.8		ug/Kg		94	70 - 123
Hexachlorobutadiene	50.0	47.1		ug/Kg		94	51 - 150
Isopropylbenzene	50.0	42.5		ug/Kg		85	70 - 126
Methylene Chloride	50.0	47.6		ug/Kg		95	69 - 125
Methyl tert-butyl ether	50.0	49.6		ug/Kg		99	55 - 123
Naphthalene	50.0	35.5		ug/Kg		71	53 - 144
n-Butylbenzene	50.0	45.6		ug/Kg		91	68 - 125
N-Propylbenzene	50.0	42.2		ug/Kg		84	69 - 127
p-Isopropyltoluene	50.0	45.3		ug/Kg		91	70 - 125
sec-Butylbenzene	50.0	44.9		ug/Kg		90	70 - 123
Styrene	50.0	47.2		ug/Kg		94	70 - 120
tert-Butylbenzene	50.0	42.5		ug/Kg		85	70 - 121
1,1,1,2-Tetrachloroethane	50.0	42.3		ug/Kg		85	70 - 125
1,1,2,2-Tetrachloroethane	50.0	33.0		ug/Kg		66	62 - 140
Tetrachloroethene	50.0	50.4		ug/Kg		101	70 - 128
Toluene	50.0	43.8		ug/Kg		88	70 - 125
trans-1,2-Dichloroethene	50.0	48.2		ug/Kg		96	70 - 125
trans-1,3-Dichloropropene	50.0	38.4		ug/Kg		77	62 - 128
1,2,3-Trichlorobenzene	50.0	40.6		ug/Kg		81	51 - 145
1,2,4-Trichlorobenzene	50.0	43.6		ug/Kg		87	57 - 137
1,1,1-Trichloroethane	50.0	58.9		ug/Kg		118	70 - 125
1,1,2-Trichloroethane	50.0	41.5		ug/Kg		83	71 - 130
Trichloroethene	50.0	50.2		ug/Kg		100	70 - 125
Trichlorofluoromethane	50.0	61.5		ug/Kg		123	55 - 128
1,2,3-Trichloropropane	50.0	39.6		ug/Kg		79	50 - 133
1,2,4-Trimethylbenzene	50.0	44.2		ug/Kg		88	70 - 123
1,3,5-Trimethylbenzene	50.0	44.4		ug/Kg		89	70 - 123
Vinyl chloride	50.0	50.8		ug/Kg		102	64 - 126
Xylenes, Total	100	93.8		ug/Kg		94	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*81*		*72 - 124*
Dibromofluoromethane (Surr)	*99*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*103*		*75 - 126*
Toluene-d8 (Surr)	*88*		*75 - 120*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 500-620241/1-A
Matrix: Solid
Analysis Batch: 620386

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 620241

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<6.0		33	6.0	ug/Kg		09/24/21 18:00	09/27/21 11:06	1
Acenaphthylene	<4.4		33	4.4	ug/Kg		09/24/21 18:00	09/27/21 11:06	1
Anthracene	<5.6		33	5.6	ug/Kg		09/24/21 18:00	09/27/21 11:06	1
Benzo[a]anthracene	<4.5		33	4.5	ug/Kg		09/24/21 18:00	09/27/21 11:06	1
Benzo[a]pyrene	<6.4		33	6.4	ug/Kg		09/24/21 18:00	09/27/21 11:06	1
Benzo[b]fluoranthene	<7.2		33	7.2	ug/Kg		09/24/21 18:00	09/27/21 11:06	1
Benzo[g,h,i]perylene	<11		33	11	ug/Kg		09/24/21 18:00	09/27/21 11:06	1
Benzo[k]fluoranthene	<9.8		33	9.8	ug/Kg		09/24/21 18:00	09/27/21 11:06	1
Chrysene	<9.1		33	9.1	ug/Kg		09/24/21 18:00	09/27/21 11:06	1
Dibenz(a,h)anthracene	<6.4		33	6.4	ug/Kg		09/24/21 18:00	09/27/21 11:06	1
Fluoranthene	<6.2		33	6.2	ug/Kg		09/24/21 18:00	09/27/21 11:06	1
Fluorene	<4.7		33	4.7	ug/Kg		09/24/21 18:00	09/27/21 11:06	1
Indeno[1,2,3-cd]pyrene	<8.6		33	8.6	ug/Kg		09/24/21 18:00	09/27/21 11:06	1
Naphthalene	<5.1		33	5.1	ug/Kg		09/24/21 18:00	09/27/21 11:06	1
Phenanthrene	<4.6		33	4.6	ug/Kg		09/24/21 18:00	09/27/21 11:06	1
Pyrene	<6.6		33	6.6	ug/Kg		09/24/21 18:00	09/27/21 11:06	1
1-Methylnaphthalene	<8.1		67	8.1	ug/Kg		09/24/21 18:00	09/27/21 11:06	1
2-Methylnaphthalene	<6.1		67	6.1	ug/Kg		09/24/21 18:00	09/27/21 11:06	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*85*		*37 - 147*	*09/24/21 18:00*	*09/27/21 11:06*	*1*
Terphenyl-d14 (Surr)	*98*		*42 - 157*	*09/24/21 18:00*	*09/27/21 11:06*	*1*
2-Fluorobiphenyl (Surr)	*99*		*43 - 145*	*09/24/21 18:00*	*09/27/21 11:06*	*1*

Lab Sample ID: LCS 500-620241/2-A
Matrix: Solid
Analysis Batch: 620386

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 620241

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	1330	1140		ug/Kg		86	65 - 124
Acenaphthylene	1330	1210		ug/Kg		91	68 - 120
Anthracene	1330	1150		ug/Kg		87	70 - 114
Benzo[a]anthracene	1330	1160		ug/Kg		87	67 - 122
Benzo[a]pyrene	1330	1390		ug/Kg		104	65 - 133
Benzo[b]fluoranthene	1330	1180		ug/Kg		88	69 - 129
Benzo[g,h,i]perylene	1330	1210		ug/Kg		91	72 - 131
Benzo[k]fluoranthene	1330	1330		ug/Kg		100	68 - 127
Chrysene	1330	1190		ug/Kg		89	63 - 120
Dibenz(a,h)anthracene	1330	1200		ug/Kg		90	64 - 131
Fluoranthene	1330	1190		ug/Kg		89	62 - 120
Fluorene	1330	1180		ug/Kg		88	62 - 120
Indeno[1,2,3-cd]pyrene	1330	1180		ug/Kg		88	68 - 130
Naphthalene	1330	1090		ug/Kg		82	63 - 110
Phenanthrene	1330	1150		ug/Kg		86	62 - 120
Pyrene	1330	1170		ug/Kg		88	61 - 128
1-Methylnaphthalene	1330	1120		ug/Kg		84	68 - 111
2-Methylnaphthalene	1330	1100		ug/Kg		83	69 - 112

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-620241/2-A
Matrix: Solid
Analysis Batch: 620386

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 620241

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*87*		*37 - 147*
Terphenyl-d14 (Surr)	*92*		*42 - 157*
2-Fluorobiphenyl (Surr)	*86*		*43 - 145*

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 500-620527/1-A
Matrix: Solid
Analysis Batch: 621016

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 620527

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.34		1.0	0.34	mg/Kg		09/28/21 11:11	09/29/21 20:14	1
Barium	0.138	J	1.0	0.11	mg/Kg		09/28/21 11:11	09/29/21 20:14	1
Cadmium	0.0597	J	0.20	0.036	mg/Kg		09/28/21 11:11	09/29/21 20:14	1
Chromium	<0.50		1.0	0.50	mg/Kg		09/28/21 11:11	09/29/21 20:14	1
Lead	<0.23		0.50	0.23	mg/Kg		09/28/21 11:11	09/29/21 20:14	1
Selenium	<0.59		1.0	0.59	mg/Kg		09/28/21 11:11	09/29/21 20:14	1
Silver	<0.13		0.50	0.13	mg/Kg		09/28/21 11:11	09/29/21 20:14	1

Lab Sample ID: LCS 500-620527/2-A
Matrix: Solid
Analysis Batch: 621016

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 620527

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	10.0	9.20		mg/Kg		92	80 - 120
Barium	200	197		mg/Kg		99	80 - 120
Cadmium	5.00	4.72		mg/Kg		94	80 - 120
Chromium	20.0	19.8		mg/Kg		99	80 - 120
Lead	10.0	9.57		mg/Kg		96	80 - 120
Selenium	10.0	8.82		mg/Kg		88	80 - 120
Silver	5.00	4.45		mg/Kg		89	80 - 120

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 500-621100/12-A
Matrix: Solid
Analysis Batch: 621270

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 621100

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<5.6		17	5.6	ug/Kg		09/30/21 13:05	10/01/21 08:03	1

Lab Sample ID: LCS 500-621100/13-A
Matrix: Solid
Analysis Batch: 621270

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 621100

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	167	192		ug/Kg		115	80 - 120

Lab Chronicle

Client: Ramboll US Corporation
Project/Site: Former Mirro 20 - Chilton 1690019558

Job ID: 500-205623-1

Client Sample ID: SB-100 (2-4)
Date Collected: 09/20/21 11:25
Date Received: 09/23/21 10:10

Lab Sample ID: 500-205623-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	620032	09/23/21 14:27	LWN	TAL CHI

Client Sample ID: SB-100 (2-4)
Date Collected: 09/20/21 11:25
Date Received: 09/23/21 10:10

Lab Sample ID: 500-205623-1
Matrix: Solid
Percent Solids: 82.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			620069	09/20/21 11:25	WRE	TAL CHI
Total/NA	Analysis	8260B		50	620804	09/29/21 14:18	STW	TAL CHI
Total/NA	Prep	3541			620241	09/24/21 18:00	JP1	TAL CHI
Total/NA	Analysis	8270D		1	620386	09/27/21 13:03	EF	TAL CHI

Client Sample ID: MW-12 (2-4)
Date Collected: 09/20/21 13:20
Date Received: 09/23/21 10:10

Lab Sample ID: 500-205623-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	620032	09/23/21 14:27	LWN	TAL CHI

Client Sample ID: MW-12 (2-4)
Date Collected: 09/20/21 13:20
Date Received: 09/23/21 10:10

Lab Sample ID: 500-205623-2
Matrix: Solid
Percent Solids: 70.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			620069	09/20/21 13:20	WRE	TAL CHI
Total/NA	Analysis	8260B		50	620804	09/29/21 14:43	STW	TAL CHI
Total/NA	Prep	3541			620241	09/24/21 18:00	JP1	TAL CHI
Total/NA	Analysis	8270D		1	620386	09/27/21 13:27	EF	TAL CHI
Total/NA	Prep	3050B			620527	09/28/21 11:11	WRE	TAL CHI
Total/NA	Analysis	6010B		1	621016	09/29/21 21:15	JJB	TAL CHI
Total/NA	Prep	7471B			621100	09/30/21 13:05	MJG	TAL CHI
Total/NA	Analysis	7471B		1	621270	10/01/21 08:38	MJG	TAL CHI

Client Sample ID: MW-11 (0-4)
Date Collected: 09/20/21 14:30
Date Received: 09/23/21 10:10

Lab Sample ID: 500-205623-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	620032	09/23/21 14:27	LWN	TAL CHI

Lab Chronicle

Client: Ramboll US Corporation
Job ID: 500-205623-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: MW-11 (0-4)
Lab Sample ID: 500-205623-3
Date Collected: 09/20/21 14:30
Matrix: Solid
Date Received: 09/23/21 10:10
Percent Solids: 72.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			620069	09/20/21 14:30	WRE	TAL CHI
Total/NA	Analysis	8260B		50	620804	09/29/21 15:08	STW	TAL CHI
Total/NA	Prep	3541			620241	09/24/21 18:00	JP1	TAL CHI
Total/NA	Analysis	8270D		1	620386	09/27/21 13:50	EF	TAL CHI
Total/NA	Prep	3050B			620527	09/28/21 11:11	WRE	TAL CHI
Total/NA	Analysis	6010B		1	621016	09/29/21 21:18	JJB	TAL CHI
Total/NA	Prep	7471B			621100	09/30/21 13:05	MJG	TAL CHI
Total/NA	Analysis	7471B		1	621270	10/01/21 08:40	MJG	TAL CHI

Client Sample ID: SB-101 (2-4)
Lab Sample ID: 500-205623-4
Date Collected: 09/21/21 09:20
Matrix: Solid
Date Received: 09/23/21 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	620032	09/23/21 14:27	LWN	TAL CHI

Client Sample ID: SB-101 (2-4)
Lab Sample ID: 500-205623-4
Date Collected: 09/21/21 09:20
Matrix: Solid
Date Received: 09/23/21 10:10
Percent Solids: 73.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			620069	09/21/21 09:20	WRE	TAL CHI
Total/NA	Analysis	8260B		50	620804	09/29/21 15:33	STW	TAL CHI

Client Sample ID: SB-102 (2-4)
Lab Sample ID: 500-205623-5
Date Collected: 09/21/21 09:35
Matrix: Solid
Date Received: 09/23/21 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	620032	09/23/21 14:27	LWN	TAL CHI

Client Sample ID: SB-102 (2-4)
Lab Sample ID: 500-205623-5
Date Collected: 09/21/21 09:35
Matrix: Solid
Date Received: 09/23/21 10:10
Percent Solids: 73.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			620069	09/21/21 09:35	WRE	TAL CHI
Total/NA	Analysis	8260B		50	620804	09/29/21 15:58	STW	TAL CHI

Client Sample ID: SB-104 (2-4)
Lab Sample ID: 500-205623-6
Date Collected: 09/21/21 09:45
Matrix: Solid
Date Received: 09/23/21 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	620032	09/23/21 14:27	LWN	TAL CHI

Lab Chronicle

Client: Ramboll US Corporation
Project/Site: Former Mirro 20 - Chilton 1690019558

Job ID: 500-205623-1

Client Sample ID: SB-104 (2-4)
Date Collected: 09/21/21 09:45
Date Received: 09/23/21 10:10

Lab Sample ID: 500-205623-6
Matrix: Solid
Percent Solids: 71.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			620069	09/21/21 09:45	WRE	TAL CHI
Total/NA	Analysis	8260B		50	620804	09/29/21 16:24	STW	TAL CHI

Client Sample ID: SB-103 (1.5-3.5)
Date Collected: 09/21/21 10:00
Date Received: 09/23/21 10:10

Lab Sample ID: 500-205623-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	620032	09/23/21 14:27	LWN	TAL CHI

Client Sample ID: SB-103 (1.5-3.5)
Date Collected: 09/21/21 10:00
Date Received: 09/23/21 10:10

Lab Sample ID: 500-205623-7
Matrix: Solid
Percent Solids: 75.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			620069	09/21/21 10:00	WRE	TAL CHI
Total/NA	Analysis	8260B		50	620804	09/29/21 16:49	STW	TAL CHI

Client Sample ID: SB-106 (2-4)
Date Collected: 09/21/21 10:20
Date Received: 09/23/21 10:10

Lab Sample ID: 500-205623-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	620032	09/23/21 14:27	LWN	TAL CHI

Client Sample ID: SB-106 (2-4)
Date Collected: 09/21/21 10:20
Date Received: 09/23/21 10:10

Lab Sample ID: 500-205623-8
Matrix: Solid
Percent Solids: 69.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			620069	09/21/21 10:20	WRE	TAL CHI
Total/NA	Analysis	8260B		50	620804	09/29/21 17:14	STW	TAL CHI
Total/NA	Prep	3541			620241	09/24/21 18:00	JP1	TAL CHI
Total/NA	Analysis	8270D		5	620612	09/28/21 14:12	EF	TAL CHI

Client Sample ID: SB-105 (2-4)
Date Collected: 09/21/21 10:40
Date Received: 09/23/21 10:10

Lab Sample ID: 500-205623-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	620032	09/23/21 14:27	LWN	TAL CHI

Lab Chronicle

Client: Ramboll US Corporation
Project/Site: Former Mirro 20 - Chilton 1690019558

Job ID: 500-205623-1

Client Sample ID: SB-105 (2-4)
Date Collected: 09/21/21 10:40
Date Received: 09/23/21 10:10

Lab Sample ID: 500-205623-9
Matrix: Solid
Percent Solids: 71.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			620069	09/21/21 10:40	WRE	TAL CHI
Total/NA	Analysis	8260B		50	620804	09/29/21 17:39	STW	TAL CHI
Total/NA	Prep	3541			620241	09/24/21 18:00	JP1	TAL CHI
Total/NA	Analysis	8270D		1	620386	09/27/21 14:14	EF	TAL CHI

Client Sample ID: SB-108 (2-4)
Date Collected: 09/21/21 11:00
Date Received: 09/23/21 10:10

Lab Sample ID: 500-205623-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	620032	09/23/21 14:27	LWN	TAL CHI

Client Sample ID: SB-108 (2-4)
Date Collected: 09/21/21 11:00
Date Received: 09/23/21 10:10

Lab Sample ID: 500-205623-10
Matrix: Solid
Percent Solids: 76.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			620069	09/21/21 11:00	WRE	TAL CHI
Total/NA	Analysis	8260B		50	620804	09/29/21 18:04	STW	TAL CHI
Total/NA	Prep	3541			620241	09/24/21 18:00	JP1	TAL CHI
Total/NA	Analysis	8270D		1	620386	09/27/21 14:37	EF	TAL CHI

Client Sample ID: SB-107 (2-4)
Date Collected: 09/21/21 11:10
Date Received: 09/23/21 10:10

Lab Sample ID: 500-205623-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	620032	09/23/21 14:27	LWN	TAL CHI

Client Sample ID: SB-107 (2-4)
Date Collected: 09/21/21 11:10
Date Received: 09/23/21 10:10

Lab Sample ID: 500-205623-11
Matrix: Solid
Percent Solids: 79.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			620069	09/21/21 11:10	WRE	TAL CHI
Total/NA	Analysis	8260B		50	620804	09/29/21 18:29	STW	TAL CHI
Total/NA	Prep	3541			620241	09/24/21 18:00	JP1	TAL CHI
Total/NA	Analysis	8270D		1	620386	09/27/21 15:01	EF	TAL CHI

Client Sample ID: PZ-13 (2-4)
Date Collected: 09/21/21 12:00
Date Received: 09/23/21 10:10

Lab Sample ID: 500-205623-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	620032	09/23/21 14:27	LWN	TAL CHI

Lab Chronicle

Client: Ramboll US Corporation
Job ID: 500-205623-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: PZ-13 (2-4)
Lab Sample ID: 500-205623-12
Date Collected: 09/21/21 12:00
Matrix: Solid
Date Received: 09/23/21 10:10
Percent Solids: 89.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			620069	09/21/21 12:00	WRE	TAL CHI
Total/NA	Analysis	8260B		50	620804	09/29/21 18:55	STW	TAL CHI

Client Sample ID: PZ-14 (2-4)
Lab Sample ID: 500-205623-13
Date Collected: 09/22/21 09:45
Matrix: Solid
Date Received: 09/23/21 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	620032	09/23/21 14:27	LWN	TAL CHI

Client Sample ID: PZ-14 (2-4)
Lab Sample ID: 500-205623-13
Date Collected: 09/22/21 09:45
Matrix: Solid
Date Received: 09/23/21 10:10
Percent Solids: 83.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			620069	09/22/21 09:45	WRE	TAL CHI
Total/NA	Analysis	8260B		50	620804	09/29/21 19:20	STW	TAL CHI

Client Sample ID: PZ-14 (5-6)
Lab Sample ID: 500-205623-14
Date Collected: 09/22/21 09:50
Matrix: Solid
Date Received: 09/23/21 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	620032	09/23/21 14:27	LWN	TAL CHI

Client Sample ID: PZ-14 (5-6)
Lab Sample ID: 500-205623-14
Date Collected: 09/22/21 09:50
Matrix: Solid
Date Received: 09/23/21 10:10
Percent Solids: 80.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			620069	09/22/21 09:50	WRE	TAL CHI
Total/NA	Analysis	8260B		50	620804	09/29/21 19:45	STW	TAL CHI

Client Sample ID: Trip Blank
Lab Sample ID: 500-205623-15
Date Collected: 09/20/21 00:00
Matrix: Solid
Date Received: 09/23/21 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			620069	09/20/21 00:00	WRE	TAL CHI
Total/NA	Analysis	8260B		50	620804	09/29/21 13:28	STW	TAL CHI

Laboratory References:
TAL CHI = Eurofins TestAmerica, Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Accreditation/Certification Summary

Client: Ramboll US Corporation
Job ID: 500-205623-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Laboratory: Eurofins TestAmerica, Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	999580010	08-31-22

Eurofins TestAmerica, Chicago
2417 Bond Street
University Park IL 60484
Phone 708-534-5200 Fax 708-534-5211

Chain of Custody Record

eurofins

Client Information

Client Contact: ~~Duncan Glasford~~ SUSAN PETROFSKE	Sampler: DUNCAN GLASFORD	Lab PM: Fredrick Sandie	Carrier Tracking No(s):	COC No: 500-94842-41997 1
	Phone: 262 573 6315	E-Mail: sandra.fredrick@eurofinset.com	State of Origin:	Page: Page 1 of 2
Company: Ramboll US Corporation	PWSID:			Job #: 500-205623

Address: 234 W Florida Street Fifth Floor
City: Milwaukee
State, Zip: WI 53204
Phone:
Email: SPETROFSKE ~~DGLASFORD~~@ramboll.com
Project Name: Former Mirro 20 Chilton 1690019558
Site:

500-205623 COC

Due Date Requested:
TAT Requested (days):
Compliance Project: Δ Yes Δ No
PO #: 1690019558
WO #:
Project #: 50019131
SSOW#:

Analysis Requested

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:

	Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B VOC	6270D PAH	RCRA METALS	Total Number of containers	Special Instructions/Note
			Preservation Code:					N	N			
1	SB-100 (2-4)	9-20-21	1125	G	Solid			X	X			
2	MW-12 (2-4)		1320		Solid			X	X	X		
3	MW-11 (0-4)		1430		Solid			X	X	X		
4	SB-101 (2-4)	9-21-21	920		Solid			X				
5	SB-102 (2-4)		935		Solid			X				
6	SB-104 (2-4)		945		Solid			X				
7	SB-103 (1.5-3.5)		1000		Solid			X				
8	SB-106 (2-4)		1020		Solid			X	X			
9	SB-105 (2-4)		1046		Solid			X	X			
10	SB-108 (2-4)		1100		Solid			X	X			
11	SB-107 (2-4)		1110		Solid			X	X			

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ 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		Date/Time: 9-22-2021	Company: RAMBOLL	Received by		Date/Time: 9/22/21 1600	Company: TA
Relinquished by		Date/Time: 9.22.21 1700	Company: TA	Received by		Date/Time: 9/23/21 1010	Company: EATHOU
Relinquished by		Date/Time	Company	Received by		Date/Time	Company

Custody Seals Intact: Δ Yes Δ No
Custody Seal No:
Cooler Temperature(s) C and Other Remarks: 5.8

Ver 06/08/21

Eurofins TestAmerica, Chicago
2417 Bond Street
University Park IL 60484
Phone 708-534-5200 Fax 708-534-5211

Chain of Custody Record

eurofins

Client Information	Sampler: DUNCAN GLASFORD	Lab PM: Fredrick Sandie	Carrier Tracking No(s):	COC No: 500-94842-41997 2
Client Contact: ~~Duncan Glasford~~ SUSAN PETROFSKE	Phone: 262-573-6315	E-Mail: sandra.fredrick@eurofinset.com	State of Origin:	Page: Page 2 of 2
Company: Ramboll US Corporation	PWSID:	Analysis Requested		Job #: 500-205623
Address: 234 W Florida Street Fifth Floor	Due Date Requested:			Preservation Codes: A HCL, B NaOH, C Zn Acetate, D Nitric Acid, E NaHSO4, F MeOH, G Amchlor, H Ascorbic Acid, I Ice, J DI Water, K EDTA, L EDA, M Hexane, N None, O AsNaO2, P Na2O4S, Q Na2SO3, R Na2S2O3, S H2SO4, T TSP Dodecahydrate, U Acetone, V MCAA, W pH 4-5, Z other (specify)
City: Milwaukee	TAT Requested (days):			
State, Zip: WI 53204	Compliance Project: Δ Yes Δ No			
Phone:	PO #: 1690019558			
Email: SPETROFSKE ~~DGLASFORD~~@ramboll.com	WO #:			
Project Name: Former Mirro 20 Chilton 1690019558	Project #: 50019131			
Site:	SSOW#:			Other:

	Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B - VOC	8270D - PAH	Total Number of containers	Special Instructions/Note
				Preservation Code:		X	X	N	N	X	
12	PZ-13 (2-4)	9-21-21	1200	G	Solid			X			
13	PZ-14 (2-4)	9 22-21	945		Solid			X			
14	PZ-14 (5-6)	↓	950	↓	Solid			X			
15	TRIP BLANK	—	—	—	Solid			X			
					Solid						
					Solid						
					Solid						
					Solid						
					Solid						
					Solid						
					Solid						

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ 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

	Date/Time	Company		Date/Time	Company
Relinquished by: [signature]	9 22-2021	RAMBOLL	Received by: [signature]	9/22/21 1600	TA
Relinquished by: [signature]	9.22.21 1700	TA	Received by: [signature]	9/23/21 1010	BETA-CHI
Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact	Custody Seal No	Cooler Temperature(s) °C and Other Remarks
Δ Yes Δ No		

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Ramboll US Corporation

Job Number: 500-205623-1

Login Number: 205623
List Number: 1
Creator: Scott, Sherri L

List Source: Eurofins TestAmerica, Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= 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	5.8
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 <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

Eurofins TestAmerica, Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

Laboratory Job ID: 500-206977-1
Client Project/Site: Former Mirro 20 - Chilton 1690019558
Revision: 2

For:
Ramboll US Corporation
234 W. Florida Street
Fifth Floor
Milwaukee, Wisconsin 53204

Attn: Susan Petrofske

Authorized for release by:
11/10/2021 3:54:35 PM

Sandie Fredrick, Project Manager II
(920)261-1660
sandra.fredrick@eurofinset.com

LINKS

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www.eurofinsus.com/Env

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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Job ID: 500-206977-1

Laboratory: Eurofins TestAmerica, Chicago

Narrative

Job Narrative
500-206977-1

Comments
No additional comments.

Revision
The report being provided is a revision of the original report sent on 10/29/2021. Per Client's 11/04/2021 request, metals results are now reported as dissolved and the ID has been amended for the FB and EB sampled on 10/14 at 15:00 and 15:15 to reflect FB-03 and EB-03.
REVISION 2 - Updated sample IDs for 31 & 34 per client request.

Receipt
The samples were received on 10/16/2021 11:30 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 1.0º C, 1.9º C and 4.9º C.

Receipt Exceptions
Sample#28 received 1 container in Sacramento Lab. EB-02 (500-206977-28)

Sacramento lab received 4 containers with the id of FB-04, and no container for EB-04. Due to samples having the same time, the lab is unable to determine if an EB-04 sample was collected.

The lab also noticed upon unpacking the cooler that 1 of 4 container had a loose lid with sample volume being lost. This container was completely submerged under ice water, and due to this the container has a high chance that it has been compromised by ice water seeping into the container. The lab has place red tape marked on the lid of the container as "DO NOT USE".

Confirmed by PM to pick and choose to label any as EB-04, even with all containers listing as FB-04. The lab labeled 2 containers as FB-04, and 1 container as EB-04. The container that was compromised will be discarded. FB-04 (500-206977-35) and EB-04 (500-206977-36)

The container label for the following sample(s) did not match the information listed on the Chain-of-Custody (COC):

Sample container label lists as 5A, however COC lists B-5A. The sample was logged in according to COC.
B-5A (500-206977-21).

GC/MS VOA
Method 8260B: The method blank for analytical batches 625549 ad 625605 contained Naphthalene above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed. B-11 (500-206977-3), MW-11 (500-206977-4), MW-12 (500-206977-5), PZ-12 (500-206977-6), PZ-12 DUP (500-206977-7), MW-1 (500-206977-10), B-5A (500-206977-21), B-9 (500-206977-22), B-12 (500-206977-23), PZ-13 (500-206977-24), MW-13 (500-206977-25), PZ-14 (500-206977-26), MW-14 (500-206977-27), EB-04 (500-206977-36) and MW-9 DUP (500-206977-37)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Metals
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

LCMS
Method 537 (modified): The "I" qualifier means the transition mass ratio for the indicated analyte was outside of the established ratio limit. The qualitative identification of the analyte has some degree of uncertainty, and the reported values may have some high bias. However, analyst judgment was used to positively identify the analytes. PZ-13 (500-206977-24) and MW-13 (500-206977-25)

Method 537 (modified): The “I” qualifier means the transition mass ratio for the indicated analyte was outside of the established ratio limits. The qualitative identification of the analyte has some degree of uncertainty, and the reported value may have some high bias.

Job ID: 500-206977-1 (Continued)

Laboratory: Eurofins TestAmerica, Chicago (Continued)

However, analyst judgment was used to positively identify the analyte. PZ-14 (500-206977-26)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Field Service / Mobile Lab
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep
Method 3535: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 320-535204.

320-535204
Method: 3535 PFC-W

Method 3535: The following samples were yellow prior to extraction: B-5 (500-206977-1), B-6 (500-206977-2), B-11 (500-206977-3), MW-11 (500-206977-4), MW-12 (500-206977-5), MW-1 (500-206977-10), MW-2 (500-206977-11), PZ-5 (500-206977-14), PZ-5 DUP (500-206977-15), B-9 (500-206977-22) and B-12 (500-206977-23).

320-535204
Method: 3535 PFC-W

Method 3535: The following samples contained a thin layer of sediment at the bottom of the bottle prior to extraction: B-5 (500-206977-1), B-6 (500-206977-2), B-11 (500-206977-3), MW-11 (500-206977-4), MW-12 (500-206977-5), PZ-12 (500-206977-6), MW-1 (500-206977-10), MW-2 (500-206977-11), PZ-5 (500-206977-14), PZ-5 DUP (500-206977-15), B-9 (500-206977-22) and B-12 (500-206977-23).

320-535204
Method: 3535 PFC-W

Method 3535: The following samples contained floating particulates in the sample bottle prior to extraction: PZ-12 DUP (500-206977-7), PZ-10 (500-206977-12) and MW-13 (500-206977-25).

320-535204
Method: 3535 PFC-W

Method 3535: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 320-535545.

320-535545
Method: PFC_IDA_WI
Matrix: Water

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: Ramboll US Corporation
Job ID: 500-206977-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: B-5 — Lab Sample ID: 500-206977-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	0.33	J	0.50	0.16	ug/L	1		8260B	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.92	J	1.9	0.19	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	1.1	J	1.9	0.55	ng/L	1		537 (modified)	Total/NA
Arsenic	0.51	J	1.0	0.23	ug/L	1		6020A	Dissolved

Client Sample ID: B-6 — Lab Sample ID: 500-206977-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanesulfonic acid (PFBS)	0.98	J	1.9	0.19	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	1.2	J	1.9	0.54	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	4.1		1.9	0.51	ng/L	1		537 (modified)	Total/NA
Arsenic	0.92	J	1.0	0.23	ug/L	1		6020A	Dissolved

Client Sample ID: B-11 — Lab Sample ID: 500-206977-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	5.7		1.0	0.41	ug/L	1		8260B	Total/NA
Naphthalene	0.81	J B	1.0	0.34	ug/L	1		8260B	Total/NA
Trichloroethene	0.40	J	0.50	0.16	ug/L	1		8260B	Total/NA
Perfluorobutanesulfonic acid (PFBS)	1.0	J	1.9	0.19	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	1.0	J	1.9	0.54	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.73	J	1.9	0.51	ng/L	1		537 (modified)	Total/NA
Arsenic	1.9		1.0	0.23	ug/L	1		6020A	Dissolved

Client Sample ID: MW-11 — Lab Sample ID: 500-206977-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	5.8		1.0	0.41	ug/L	1		8260B	Total/NA
1,2-Dichloroethane	19		1.0	0.39	ug/L	1		8260B	Total/NA
Naphthalene	0.69	J B	1.0	0.34	ug/L	1		8260B	Total/NA
Arsenic	1.5		1.0	0.23	ug/L	1		6020A	Dissolved
Barium	20		2.5	0.73	ug/L	1		6020A	Dissolved

Client Sample ID: MW-12 — Lab Sample ID: 500-206977-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.71	J	2.0	0.37	ug/L	1		8260B	Total/NA
1,2-Dichloroethane	0.86	J	1.0	0.39	ug/L	1		8260B	Total/NA
Naphthalene	0.71	J B	1.0	0.34	ug/L	1		8260B	Total/NA
Arsenic	0.49	J	1.0	0.23	ug/L	1		6020A	Dissolved
Barium	38		2.5	0.73	ug/L	1		6020A	Dissolved

Client Sample ID: PZ-12 — Lab Sample ID: 500-206977-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichloroethane	1.3		1.0	0.39	ug/L	1		8260B	Total/NA
Naphthalene	0.65	J B	1.0	0.34	ug/L	1		8260B	Total/NA
Arsenic	2.2		1.0	0.23	ug/L	1		6020A	Dissolved
Barium	67		2.5	0.73	ug/L	1		6020A	Dissolved
Lead	0.34	J	0.50	0.19	ug/L	1		6020A	Dissolved

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Ramboll US Corporation
Job ID: 500-206977-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: PZ-12 DUP — Lab Sample ID: 500-206977-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichloroethane	1.2		1.0	0.39	ug/L	1		8260B	Total/NA
Naphthalene	0.66	J B	1.0	0.34	ug/L	1		8260B	Total/NA
Arsenic	2.1		1.0	0.23	ug/L	1		6020A	Dissolved
Barium	69		2.5	0.73	ug/L	1		6020A	Dissolved
Lead	0.34	J	0.50	0.19	ug/L	1		6020A	Dissolved

Client Sample ID: FB-01 — Lab Sample ID: 500-206977-8

No Detections.

Client Sample ID: EB-01 — Lab Sample ID: 500-206977-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	0.56	J B	1.0	0.34	ug/L	1		8260B	Total/NA
NEtFOSE	0.82	J	1.8	0.78	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MW-1 — Lab Sample ID: 500-206977-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	0.59	J B	1.0	0.34	ug/L	1		8260B	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.74	J	1.9	0.19	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	1.3	J	1.9	0.54	ng/L	1		537 (modified)	Total/NA
Arsenic	1.2		1.0	0.23	ug/L	1		6020A	Dissolved

Client Sample ID: MW-2 — Lab Sample ID: 500-206977-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanesulfonic acid (PFBS)	0.72	J	2.0	0.20	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	1.4	J	2.0	0.56	ng/L	1		537 (modified)	Total/NA
Arsenic	1.6		1.0	0.23	ug/L	1		6020A	Dissolved

Client Sample ID: PZ-10 — Lab Sample ID: 500-206977-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.17	J	0.50	0.15	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	22		1.0	0.41	ug/L	1		8260B	Total/NA
1,2-Dichloroethane	76		1.0	0.39	ug/L	1		8260B	Total/NA
Trichloroethene	0.23	J	0.50	0.16	ug/L	1		8260B	Total/NA
Vinyl chloride	1.4		1.0	0.20	ug/L	1		8260B	Total/NA
Arsenic	0.54	J	1.0	0.23	ug/L	1		6020A	Dissolved

Client Sample ID: MW-10 — Lab Sample ID: 500-206977-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloromethane	0.58	J	1.0	0.32	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	13		1.0	0.41	ug/L	1		8260B	Total/NA
1,2-Dichloroethane	6.0		1.0	0.39	ug/L	1		8260B	Total/NA
Vinyl chloride	1.5		1.0	0.20	ug/L	1		8260B	Total/NA
Perfluoropentanoic acid (PFPeA)	0.50	J	1.9	0.45	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.26	J	1.9	0.23	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	1.7	J	1.9	0.79	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.48	J	1.9	0.19	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	0.82	J	1.9	0.53	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	1.1	J	1.9	0.50	ng/L	1		537 (modified)	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-10 (Continued) — Lab Sample ID: 500-206977-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.75	J	1.0	0.23	ug/L	1		6020A	Dissolved

Client Sample ID: PZ-5 — Lab Sample ID: 500-206977-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloromethane	0.36	J	1.0	0.32	ug/L	1		8260B	Total/NA
1,2-Dichloroethane	0.88	J	1.0	0.39	ug/L	1		8260B	Total/NA
Trichloroethene	1.2		0.50	0.16	ug/L	1		8260B	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.28	J	1.9	0.19	ng/L	1		537 (modified)	Total/NA
Arsenic	16		1.0	0.23	ug/L	1		6020A	Dissolved

Client Sample ID: PZ-5 DUP — Lab Sample ID: 500-206977-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloromethane	0.64	J	1.0	0.32	ug/L	1		8260B	Total/NA
1,2-Dichloroethane	0.80	J	1.0	0.39	ug/L	1		8260B	Total/NA
Trichloroethene	1.5		0.50	0.16	ug/L	1		8260B	Total/NA
Arsenic	16		1.0	0.23	ug/L	1		6020A	Dissolved

Client Sample ID: MW-5 — Lab Sample ID: 500-206977-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloromethane	0.57	J	1.0	0.32	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	1.3		1.0	0.41	ug/L	1		8260B	Total/NA
Arsenic	0.72	J	1.0	0.23	ug/L	1		6020A	Dissolved

Client Sample ID: OMPZ-4 — Lab Sample ID: 500-206977-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichloroethane	0.80	J	1.0	0.39	ug/L	1		8260B	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.53	J	1.9	0.19	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	2.3		1.9	0.51	ng/L	1		537 (modified)	Total/NA
Arsenic	0.59	J	1.0	0.23	ug/L	1		6020A	Dissolved

Client Sample ID: FB-03 — Lab Sample ID: 500-206977-18

No Detections.

Client Sample ID: EB-03 — Lab Sample ID: 500-206977-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	3.3	J	5.0	2.1	ug/L	1		8260B	Total/NA
Chloroform	0.42	J	2.0	0.37	ug/L	1		8260B	Total/NA
Toluene	0.58		0.50	0.15	ug/L	1		8260B	Total/NA
Xylenes, Total	0.22	J	1.0	0.22	ug/L	1		8260B	Total/NA

Client Sample ID: TRIP BLANK — Lab Sample ID: 500-206977-20

No Detections.

Client Sample ID: B-5A — Lab Sample ID: 500-206977-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.41	J	2.0	0.37	ug/L	1		8260B	Total/NA
Naphthalene	0.70	J B	1.0	0.34	ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: B-5A (Continued) — Lab Sample ID: 500-206977-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	5.4		4.8	2.3	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	1.0	J	1.9	0.19	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	1.3	J	1.9	0.54	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	8.4		1.9	0.52	ng/L	1		537 (modified)	Total/NA
Arsenic	0.49	J	1.0	0.23	ug/L	1		6020A	Dissolved

Client Sample ID: B-9 — Lab Sample ID: 500-206977-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.75	J	2.0	0.37	ug/L	1		8260B	Total/NA
Naphthalene	0.55	J B	1.0	0.34	ug/L	1		8260B	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.90	J	1.9	0.19	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	1.2	J	1.9	0.54	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	2.3		1.9	0.51	ng/L	1		537 (modified)	Total/NA
Arsenic	0.74	J	1.0	0.23	ug/L	1		6020A	Dissolved

Client Sample ID: B-12 — Lab Sample ID: 500-206977-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	36		1.0	0.41	ug/L	1		8260B	Total/NA
Naphthalene	0.58	J B	1.0	0.34	ug/L	1		8260B	Total/NA
Tetrachloroethene	4.8		1.0	0.37	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	1.4		1.0	0.35	ug/L	1		8260B	Total/NA
Trichloroethene	4.2		0.50	0.16	ug/L	1		8260B	Total/NA
Perfluorooctanoic acid (PFOA)	0.88	J	1.9	0.82	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	1.0	J	1.9	0.19	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	1.0	J	1.9	0.55	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.86	J	1.9	0.52	ng/L	1		537 (modified)	Total/NA
Arsenic	3.9		1.0	0.23	ug/L	1		6020A	Dissolved

Client Sample ID: PZ-13 — Lab Sample ID: 500-206977-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	30		1.0	0.41	ug/L	1		8260B	Total/NA
Naphthalene	0.52	J B	1.0	0.34	ug/L	1		8260B	Total/NA
Tetrachloroethene	12		1.0	0.37	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	0.92	J	1.0	0.35	ug/L	1		8260B	Total/NA
Trichloroethene	2.0		0.50	0.16	ug/L	1		8260B	Total/NA
Perfluorobutanesulfonic acid (PFBS)	1.1	J	1.9	0.19	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	0.90	J	1.9	0.53	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.64	J I	1.9	0.50	ng/L	1		537 (modified)	Total/NA
Arsenic	0.87	J	1.0	0.23	ug/L	1		6020A	Dissolved
Barium	130		2.5	0.73	ug/L	1		6020A	Dissolved
Selenium	1.9	J	2.5	0.98	ug/L	1		6020A	Dissolved

Client Sample ID: MW-13 — Lab Sample ID: 500-206977-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.40	J	2.0	0.37	ug/L	1		8260B	Total/NA
1,1-Dichloroethene	1.5		1.0	0.39	ug/L	1		8260B	Total/NA
Naphthalene	0.60	J B	1.0	0.34	ug/L	1		8260B	Total/NA
Tetrachloroethene	110		1.0	0.37	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	7.5		1.0	0.35	ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-13 (Continued) — Lab Sample ID: 500-206977-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	70		0.50	0.16	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene - DL	690		10	4.1	ug/L	10		8260B	Total/NA
Perfluoropentanoic acid (PFPeA)	0.46	J	1.9	0.46	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	0.93	J	1.9	0.54	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.38	J	1.9	0.23	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	3.5		1.9	0.79	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.99	J	1.9	0.19	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	12		1.9	0.53	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	2.4	I	1.9	0.50	ng/L	1		537 (modified)	Total/NA
Arsenic	0.92	J	1.0	0.23	ug/L	1		6020A	Dissolved
Barium	120		2.5	0.73	ug/L	1		6020A	Dissolved

Client Sample ID: PZ-14 — Lab Sample ID: 500-206977-26

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	28		1.0	0.41	ug/L	1		8260B	Total/NA
Naphthalene	0.47	J B	1.0	0.34	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	1.1		1.0	0.35	ug/L	1		8260B	Total/NA
Trichloroethene	3.2		0.50	0.16	ug/L	1		8260B	Total/NA
Perfluorobutanesulfonic acid (PFBS)	1.0	J	1.8	0.18	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	0.80	J	1.8	0.52	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	1.1	J I	1.8	0.49	ng/L	1		537 (modified)	Total/NA
Arsenic	2.9		1.0	0.23	ug/L	1		6020A	Dissolved
Barium	110		2.5	0.73	ug/L	1		6020A	Dissolved

Client Sample ID: MW-14 — Lab Sample ID: 500-206977-27

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	100		1.0	0.41	ug/L	1		8260B	Total/NA
Naphthalene	0.49	J B	1.0	0.34	ug/L	1		8260B	Total/NA
Tetrachloroethene	7.7		1.0	0.37	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	4.4		1.0	0.35	ug/L	1		8260B	Total/NA
Trichloroethene	14		0.50	0.16	ug/L	1		8260B	Total/NA
Perfluorobutanoic acid (PFBA)	2.7	J	4.8	2.3	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	1.0	J	1.9	0.47	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	2.0		1.9	0.55	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	1.1	J	1.9	0.24	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	16		1.9	0.81	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	1.3	J	1.9	0.19	ng/L	1		537 (modified)	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	0.50	J	1.9	0.29	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	22		1.9	0.54	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanesulfonic Acid (PFHpS)	0.50	J	1.9	0.18	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	15		1.9	0.52	ng/L	1		537 (modified)	Total/NA
Arsenic	1.1		1.0	0.23	ug/L	1		6020A	Dissolved
Barium	100		2.5	0.73	ug/L	1		6020A	Dissolved

Client Sample ID: EB-02 — Lab Sample ID: 500-206977-28

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoropentanoic acid (PFPeA)	1.1	J	1.7	0.41	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	0.58	J	1.7	0.49	ng/L	1		537 (modified)	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: EB-02 (Continued) — Lab Sample ID: 500-206977-28

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorooctanoic acid (PFOA)	0.93	J	1.7	0.71	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	0.38	J	1.7	0.26	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	1.4	J	1.7	0.45	ng/L	1		537 (modified)	Total/NA
NMeFOSAA	1.1	J	4.2	1.0	ng/L	1		537 (modified)	Total/NA
NMeFOSE	2.0	J	3.4	1.2	ng/L	1		537 (modified)	Total/NA
NEtFOSE	4.5		1.7	0.71	ng/L	1		537 (modified)	Total/NA
8:2 FTS	0.40	J	1.7	0.39	ng/L	1		537 (modified)	Total/NA
Arsenic	0.43	J	1.0	0.23	ug/L	1		6020A	Dissolved
Barium	1.9	J	2.5	0.73	ug/L	1		6020A	Dissolved

Client Sample ID: FB-02 — Lab Sample ID: 500-206977-29

No Detections.

Client Sample ID: MW-9 — Lab Sample ID: 500-206977-30

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.48	J	2.0	0.37	ug/L	1		8260B	Total/NA
1,1,1-Trichloroethane	2.6		1.0	0.38	ug/L	1		8260B	Total/NA
Perfluorobutanoic acid (PFBA)	2.2	J	4.7	2.2	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	0.57	J	1.9	0.46	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	1.3	J	1.9	0.54	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.43	J	1.9	0.23	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	3.8		1.9	0.79	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.93	J	1.9	0.19	ng/L	1		537 (modified)	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	0.31	J	1.9	0.28	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	7.7		1.9	0.53	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanesulfonic Acid (PFHpS)	0.18	J	1.9	0.18	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	41		1.9	0.50	ng/L	1		537 (modified)	Total/NA
Arsenic	0.83	J	1.0	0.23	ug/L	1		6020A	Dissolved

Client Sample ID: OMPZ-3 — Lab Sample ID: 500-206977-31

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	120		1.0	0.41	ug/L	1		8260B	Total/NA
Tetrachloroethene	9.6		1.0	0.37	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	7.7		1.0	0.35	ug/L	1		8260B	Total/NA
Trichloroethene	7.2		0.50	0.16	ug/L	1		8260B	Total/NA
Perfluoropentanoic acid (PFPeA)	0.61	J	1.9	0.46	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	1.1	J	1.9	0.19	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	0.77	J	1.9	0.54	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.86	J	1.9	0.51	ng/L	1		537 (modified)	Total/NA
Arsenic	1.8		1.0	0.23	ug/L	1		6020A	Dissolved

Client Sample ID: PZ-8 — Lab Sample ID: 500-206977-32

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	21		1.0	0.41	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	0.93	J	1.0	0.35	ug/L	1		8260B	Total/NA
Perfluoropentanoic acid (PFPeA)	0.60	J	1.8	0.45	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.30	J	1.8	0.23	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.94	J	1.8	0.18	ng/L	1		537 (modified)	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: PZ-8 (Continued) — Lab Sample ID: 500-206977-32

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanesulfonic acid (PFHxS)	0.91	J	1.8	0.53	ng/L	1		537 (modified)	Total/NA
Arsenic	0.94	J	1.0	0.23	ug/L	1		6020A	Dissolved

Client Sample ID: MW-8 — Lab Sample ID: 500-206977-33

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	180		1.0	0.41	ug/L	1		8260B	Total/NA
1,1-Dichloroethene	0.45	J	1.0	0.39	ug/L	1		8260B	Total/NA
Tetrachloroethene	15		1.0	0.37	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	3.9		1.0	0.35	ug/L	1		8260B	Total/NA
Trichloroethene	17		0.50	0.16	ug/L	1		8260B	Total/NA
Vinyl chloride	1.2		1.0	0.20	ug/L	1		8260B	Total/NA
Perfluorooctanoic acid (PFOA)	2.3		1.9	0.79	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	1.0	J	1.9	0.19	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	4.9		1.9	0.53	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	1.5	J	1.9	0.50	ng/L	1		537 (modified)	Total/NA
Arsenic	1.1		1.0	0.23	ug/L	1		6020A	Dissolved

Client Sample ID: PZ-9 — Lab Sample ID: 500-206977-34

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	56		1.0	0.41	ug/L	1		8260B	Total/NA
Tetrachloroethene	180		1.0	0.37	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	1.1		1.0	0.35	ug/L	1		8260B	Total/NA
Trichloroethene	94		0.50	0.16	ug/L	1		8260B	Total/NA
Vinyl chloride	0.26	J	1.0	0.20	ug/L	1		8260B	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.77	J	1.9	0.19	ng/L	1		537 (modified)	Total/NA

Client Sample ID: FB-04 — Lab Sample ID: 500-206977-35

No Detections.

Client Sample ID: EB-04 — Lab Sample ID: 500-206977-36

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	0.40	J B	1.0	0.34	ug/L	1		8260B	Total/NA
Arsenic	0.38	J	1.0	0.23	ug/L	1		6020A	Dissolved

Client Sample ID: MW-9 DUP — Lab Sample ID: 500-206977-37

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	0.39	J B	1.0	0.34	ug/L	1		8260B	Total/NA
1,1,1-Trichloroethane	2.2		1.0	0.38	ug/L	1		8260B	Total/NA
Perfluorobutanoic acid (PFBA)	2.2	J	4.6	2.2	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	0.55	J	1.8	0.45	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	1.3	J	1.8	0.53	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.51	J	1.8	0.23	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	3.8		1.8	0.78	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.87	J	1.8	0.18	ng/L	1		537 (modified)	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	0.30	J	1.8	0.28	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	7.8		1.8	0.52	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanesulfonic Acid (PFHpS)	0.21	J	1.8	0.17	ng/L	1		537 (modified)	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-9 DUP (Continued)

Lab Sample ID: 500-206977-37

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorooctanesulfonic acid (PFOS)	41		1.8	0.50	ng/L	1		537 (modified)	Total/NA
Arsenic	0.87	J	1.0	0.23	ug/L	1		6020A	Dissolved

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Ramboll US Corporation
Job ID: 500-206977-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL CHI
537 (modified)	Fluorinated Alkyl Substances	EPA	TAL SAC
6020A	Metals (ICP/MS)	SW846	TAL CHI
7470A	Mercury (CVAA)	SW846	TAL CHI
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	TAL CHI
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL CHI
3535	Solid-Phase Extraction (SPE)	SW846	TAL SAC
5030B	Purge and Trap	SW846	TAL CHI
7470A	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 TestAmerica, Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Sample Summary

Client: Ramboll US Corporation
Job ID: 500-206977-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-206977-1	B-5	Water	10/13/21 10:01	10/16/21 11:30
500-206977-2	B-6	Water	10/13/21 10:55	10/16/21 11:30
500-206977-3	B-11	Water	10/13/21 11:31	10/16/21 11:30
500-206977-4	MW-11	Water	10/13/21 13:18	10/16/21 11:30
500-206977-5	MW-12	Water	10/13/21 14:07	10/16/21 11:30
500-206977-6	PZ-12	Water	10/13/21 15:20	10/16/21 11:30
500-206977-7	PZ-12 DUP	Water	10/13/21 15:20	10/16/21 11:30
500-206977-8	FB-01	Water	10/13/21 16:15	10/16/21 11:30
500-206977-9	EB-01	Water	10/13/21 16:30	10/16/21 11:30
500-206977-10	MW-1	Water	10/14/21 09:35	10/16/21 11:30
500-206977-11	MW-2	Water	10/14/21 10:15	10/16/21 11:30
500-206977-12	PZ-10	Water	10/14/21 11:05	10/16/21 11:30
500-206977-13	MW-10	Water	10/14/21 11:55	10/16/21 11:30
500-206977-14	PZ-5	Water	10/14/21 12:50	10/16/21 11:30
500-206977-15	PZ-5 DUP	Water	10/14/21 12:50	10/16/21 11:30
500-206977-16	MW-5	Water	10/14/21 13:35	10/16/21 11:30
500-206977-17	OMPZ-4	Water	10/14/21 14:30	10/16/21 11:30
500-206977-18	FB-03	Water	10/14/21 15:00	10/16/21 11:30
500-206977-19	EB-03	Water	10/14/21 15:15	10/16/21 11:30
500-206977-20	TRIP BLANK	Water	10/14/21 00:00	10/16/21 11:30
500-206977-21	B-5A	Water	10/13/21 10:03	10/16/21 11:30
500-206977-22	B-9	Water	10/13/21 11:00	10/16/21 11:30
500-206977-23	B-12	Water	10/13/21 11:56	10/16/21 11:30
500-206977-24	PZ-13	Water	10/13/21 13:15	10/16/21 11:30
500-206977-25	MW-13	Water	10/13/21 14:24	10/16/21 11:30
500-206977-26	PZ-14	Water	10/13/21 15:17	10/16/21 11:30
500-206977-27	MW-14	Water	10/13/21 16:07	10/16/21 11:30
500-206977-28	EB-02	Water	10/13/21 17:00	10/16/21 11:30
500-206977-29	FB-02	Water	10/13/21 17:00	10/16/21 11:30
500-206977-30	MW-9	Water	10/14/21 10:00	10/16/21 11:30
500-206977-31	OMPZ-3	Water	10/14/21 10:55	10/16/21 11:30
500-206977-32	PZ-8	Water	10/14/21 12:00	10/16/21 11:30
500-206977-33	MW-8	Water	10/14/21 12:50	10/16/21 11:30
500-206977-34	PZ-9	Water	10/14/21 14:00	10/16/21 11:30
500-206977-35	FB-04	Water	10/14/21 15:00	10/16/21 11:30
500-206977-36	EB-04	Water	10/14/21 15:00	10/16/21 11:30
500-206977-37	MW-9 DUP	Water	10/14/21 10:00	10/16/21 11:30

Client: Ramboll US Corporation
Project/Site: Former Mirro 20 - Chilton 1690019558

Job ID: 500-206977-1

Client Sample ID: B-5
Date Collected: 10/13/21 10:01
Date Received: 10/16/21 11:30

Lab Sample ID: 500-206977-1
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			10/27/21 12:18	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/27/21 12:18	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/27/21 12:18	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			10/27/21 12:18	1
Bromoform	<0.48		1.0	0.48	ug/L			10/27/21 12:18	1
Bromomethane	<0.80		3.0	0.80	ug/L			10/27/21 12:18	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			10/27/21 12:18	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/27/21 12:18	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/27/21 12:18	1
Chloroethane	<0.51		1.0	0.51	ug/L			10/27/21 12:18	1
Chloroform	<0.37		2.0	0.37	ug/L			10/27/21 12:18	1
Chloromethane	<0.32		1.0	0.32	ug/L			10/27/21 12:18	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/27/21 12:18	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/27/21 12:18	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			10/27/21 12:18	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/27/21 12:18	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			10/27/21 12:18	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			10/27/21 12:18	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			10/27/21 12:18	1
Dibromomethane	<0.27		1.0	0.27	ug/L			10/27/21 12:18	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/27/21 12:18	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/27/21 12:18	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/27/21 12:18	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			10/27/21 12:18	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/27/21 12:18	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			10/27/21 12:18	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			10/27/21 12:18	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			10/27/21 12:18	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/27/21 12:18	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			10/27/21 12:18	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			10/27/21 12:18	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			10/27/21 12:18	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/27/21 12:18	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/27/21 12:18	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			10/27/21 12:18	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			10/27/21 12:18	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			10/27/21 12:18	1
Naphthalene	<0.34		1.0	0.34	ug/L			10/27/21 12:18	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/27/21 12:18	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/27/21 12:18	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/27/21 12:18	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			10/27/21 12:18	1
Styrene	<0.39		1.0	0.39	ug/L			10/27/21 12:18	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/27/21 12:18	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			10/27/21 12:18	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			10/27/21 12:18	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			10/27/21 12:18	1
Toluene	<0.15		0.50	0.15	ug/L			10/27/21 12:18	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			10/27/21 12:18	1

Client: Ramboll US Corporation
Job ID: 500-206977-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: B-5
Lab Sample ID: 500-206977-1
Date Collected: 10/13/21 10:01
Matrix: Water
Date Received: 10/16/21 11:30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/27/21 12:18	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			10/27/21 12:18	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/27/21 12:18	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			10/27/21 12:18	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			10/27/21 12:18	1
Trichloroethene	**0.33**	**J**	0.50	0.16	ug/L			10/27/21 12:18	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			10/27/21 12:18	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			10/27/21 12:18	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/27/21 12:18	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/27/21 12:18	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			10/27/21 12:18	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			10/27/21 12:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*72 - 124*		*10/27/21 12:18*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 120*		*10/27/21 12:18*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*75 - 126*		*10/27/21 12:18*	*1*
Toluene-d8 (Surr)	*96*		*75 - 120*		*10/27/21 12:18*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.3		4.8	2.3	ng/L		10/19/21 04:55	10/19/21 22:27	1
Perfluoropentanoic acid (PFPeA)	<0.47		1.9	0.47	ng/L		10/19/21 04:55	10/19/21 22:27	1
Perfluorohexanoic acid (PFHxA)	<0.56		1.9	0.56	ng/L		10/19/21 04:55	10/19/21 22:27	1
Perfluoroheptanoic acid (PFHpA)	<0.24		1.9	0.24	ng/L		10/19/21 04:55	10/19/21 22:27	1
Perfluorooctanoic acid (PFOA)	<0.82		1.9	0.82	ng/L		10/19/21 04:55	10/19/21 22:27	1
Perfluorononanoic acid (PFNA)	<0.26		1.9	0.26	ng/L		10/19/21 04:55	10/19/21 22:27	1
Perfluorodecanoic acid (PFDA)	<0.30		1.9	0.30	ng/L		10/19/21 04:55	10/19/21 22:27	1
Perfluoroundecanoic acid (PFUnA)	<1.1		1.9	1.1	ng/L		10/19/21 04:55	10/19/21 22:27	1
Perfluorododecanoic acid (PFDoA)	<0.53		1.9	0.53	ng/L		10/19/21 04:55	10/19/21 22:27	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		1.9	1.3	ng/L		10/19/21 04:55	10/19/21 22:27	1
Perfluorotetradecanoic acid (PFTeA)	<0.71		1.9	0.71	ng/L		10/19/21 04:55	10/19/21 22:27	1
Perfluorobutanesulfonic acid (PFBS)	**0.92**	**J**	1.9	0.19	ng/L		10/19/21 04:55	10/19/21 22:27	1
Perfluoropentanesulfonic acid (PFPeS)	<0.29		1.9	0.29	ng/L		10/19/21 04:55	10/19/21 22:27	1
Perfluorohexanesulfonic acid (PFHxS)	**1.1**	**J**	1.9	0.55	ng/L		10/19/21 04:55	10/19/21 22:27	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.18		1.9	0.18	ng/L		10/19/21 04:55	10/19/21 22:27	1
Perfluorooctanesulfonic acid (PFOS)	<0.52		1.9	0.52	ng/L		10/19/21 04:55	10/19/21 22:27	1
Perfluorononanesulfonic acid (PFNS)	<0.36		1.9	0.36	ng/L		10/19/21 04:55	10/19/21 22:27	1
Perfluorodecanesulfonic acid (PFDS)	<0.31		1.9	0.31	ng/L		10/19/21 04:55	10/19/21 22:27	1
Perfluorododecanesulfonic acid (PFDoS)	<0.94		1.9	0.94	ng/L		10/19/21 04:55	10/19/21 22:27	1
Perfluorooctanesulfonamide (FOSA)	<0.95		1.9	0.95	ng/L		10/19/21 04:55	10/19/21 22:27	1
NEtFOSA	<0.84		1.9	0.84	ng/L		10/19/21 04:55	10/19/21 22:27	1
NMeFOSA	<0.42		1.9	0.42	ng/L		10/19/21 04:55	10/19/21 22:27	1
NMeFOSAA	<1.2		4.8	1.2	ng/L		10/19/21 04:55	10/19/21 22:27	1
NEtFOSAA	<1.3		4.8	1.3	ng/L		10/19/21 04:55	10/19/21 22:27	1
NMeFOSE	<1.4		3.9	1.4	ng/L		10/19/21 04:55	10/19/21 22:27	1

Client: Ramboll US Corporation
Job ID: 500-206977-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: B-5
Lab Sample ID: 500-206977-1
Date Collected: 10/13/21 10:01
Matrix: Water
Date Received: 10/16/21 11:30

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
NEtFOSE	<0.82		1.9	0.82	ng/L		10/19/21 04:55	10/19/21 22:27	1
4:2 FTS	<0.23		1.9	0.23	ng/L		10/19/21 04:55	10/19/21 22:27	1
6:2 FTS	<2.4		4.8	2.4	ng/L		10/19/21 04:55	10/19/21 22:27	1
8:2 FTS	<0.45		1.9	0.45	ng/L		10/19/21 04:55	10/19/21 22:27	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.39		1.9	0.39	ng/L		10/19/21 04:55	10/19/21 22:27	1
HFPO-DA (GenX)	<1.5		3.9	1.5	ng/L		10/19/21 04:55	10/19/21 22:27	1
9Cl-PF3ONS	<0.23		1.9	0.23	ng/L		10/19/21 04:55	10/19/21 22:27	1
11Cl-PF3OUdS	<0.31		1.9	0.31	ng/L		10/19/21 04:55	10/19/21 22:27	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*78*		*25 - 150*	*10/19/21 04:55*	*10/19/21 22:27*	*1*
13C5 PFPeA	*89*		*25 - 150*	*10/19/21 04:55*	*10/19/21 22:27*	*1*
13C2 PFHxA	*87*		*25 - 150*	*10/19/21 04:55*	*10/19/21 22:27*	*1*
13C4 PFHpA	*89*		*25 - 150*	*10/19/21 04:55*	*10/19/21 22:27*	*1*
13C4 PFOA	*92*		*25 - 150*	*10/19/21 04:55*	*10/19/21 22:27*	*1*
13C5 PFNA	*89*		*25 - 150*	*10/19/21 04:55*	*10/19/21 22:27*	*1*
13C2 PFDA	*89*		*25 - 150*	*10/19/21 04:55*	*10/19/21 22:27*	*1*
13C2 PFUnA	*85*		*25 - 150*	*10/19/21 04:55*	*10/19/21 22:27*	*1*
13C2 PFDoA	*86*		*25 - 150*	*10/19/21 04:55*	*10/19/21 22:27*	*1*
13C2 PFTeDA	*86*		*25 - 150*	*10/19/21 04:55*	*10/19/21 22:27*	*1*
13C3 PFBS	*83*		*25 - 150*	*10/19/21 04:55*	*10/19/21 22:27*	*1*
18O2 PFHxS	*83*		*25 - 150*	*10/19/21 04:55*	*10/19/21 22:27*	*1*
13C4 PFOS	*83*		*25 - 150*	*10/19/21 04:55*	*10/19/21 22:27*	*1*
13C8 FOSA	*84*		*10 - 150*	*10/19/21 04:55*	*10/19/21 22:27*	*1*
d3-NMeFOSAA	*85*		*25 - 150*	*10/19/21 04:55*	*10/19/21 22:27*	*1*
d5-NEtFOSAA	*84*		*25 - 150*	*10/19/21 04:55*	*10/19/21 22:27*	*1*
d-N-MeFOSA-M	*71*		*10 - 150*	*10/19/21 04:55*	*10/19/21 22:27*	*1*
d-N-EtFOSA-M	*71*		*10 - 150*	*10/19/21 04:55*	*10/19/21 22:27*	*1*
d7-N-MeFOSE-M	*77*		*10 - 150*	*10/19/21 04:55*	*10/19/21 22:27*	*1*
d9-N-EtFOSE-M	*80*		*10 - 150*	*10/19/21 04:55*	*10/19/21 22:27*	*1*
M2-4:2 FTS	*108*		*25 - 150*	*10/19/21 04:55*	*10/19/21 22:27*	*1*
M2-6:2 FTS	*98*		*25 - 150*	*10/19/21 04:55*	*10/19/21 22:27*	*1*
M2-8:2 FTS	*99*		*25 - 150*	*10/19/21 04:55*	*10/19/21 22:27*	*1*
13C3 HFPO-DA	*87*		*25 - 150*	*10/19/21 04:55*	*10/19/21 22:27*	*1*
13C2 10:2 FTS	*101*		*25 - 150*	*10/19/21 04:55*	*10/19/21 22:27*	*1*

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.51**	**J**	1.0	0.23	ug/L		10/21/21 09:54	10/21/21 17:57	1

Client: Ramboll US Corporation
Job ID: 500-206977-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: B-6
Lab Sample ID: 500-206977-2
Date Collected: 10/13/21 10:55
Matrix: Water
Date Received: 10/16/21 11:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			10/27/21 12:47	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/27/21 12:47	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/27/21 12:47	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			10/27/21 12:47	1
Bromoform	<0.48		1.0	0.48	ug/L			10/27/21 12:47	1
Bromomethane	<0.80		3.0	0.80	ug/L			10/27/21 12:47	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			10/27/21 12:47	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/27/21 12:47	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/27/21 12:47	1
Chloroethane	<0.51		1.0	0.51	ug/L			10/27/21 12:47	1
Chloroform	<0.37		2.0	0.37	ug/L			10/27/21 12:47	1
Chloromethane	<0.32		1.0	0.32	ug/L			10/27/21 12:47	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/27/21 12:47	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/27/21 12:47	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			10/27/21 12:47	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/27/21 12:47	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			10/27/21 12:47	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			10/27/21 12:47	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			10/27/21 12:47	1
Dibromomethane	<0.27		1.0	0.27	ug/L			10/27/21 12:47	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/27/21 12:47	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/27/21 12:47	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/27/21 12:47	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			10/27/21 12:47	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/27/21 12:47	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			10/27/21 12:47	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			10/27/21 12:47	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			10/27/21 12:47	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/27/21 12:47	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			10/27/21 12:47	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			10/27/21 12:47	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			10/27/21 12:47	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/27/21 12:47	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/27/21 12:47	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			10/27/21 12:47	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			10/27/21 12:47	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			10/27/21 12:47	1
Naphthalene	<0.34		1.0	0.34	ug/L			10/27/21 12:47	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/27/21 12:47	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/27/21 12:47	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/27/21 12:47	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			10/27/21 12:47	1
Styrene	<0.39		1.0	0.39	ug/L			10/27/21 12:47	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/27/21 12:47	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			10/27/21 12:47	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			10/27/21 12:47	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			10/27/21 12:47	1
Toluene	<0.15		0.50	0.15	ug/L			10/27/21 12:47	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			10/27/21 12:47	1

Client: Ramboll US Corporation
Job ID: 500-206977-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: B-6
Lab Sample ID: 500-206977-2
Date Collected: 10/13/21 10:55
Matrix: Water
Date Received: 10/16/21 11:30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/27/21 12:47	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			10/27/21 12:47	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/27/21 12:47	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			10/27/21 12:47	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			10/27/21 12:47	1
Trichloroethene	<0.16		0.50	0.16	ug/L			10/27/21 12:47	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			10/27/21 12:47	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			10/27/21 12:47	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/27/21 12:47	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/27/21 12:47	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			10/27/21 12:47	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			10/27/21 12:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*72 - 124*		*10/27/21 12:47*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 120*		*10/27/21 12:47*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*75 - 126*		*10/27/21 12:47*	*1*
Toluene-d8 (Surr)	*98*		*75 - 120*		*10/27/21 12:47*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.3		4.7	2.3	ng/L		10/19/21 04:55	10/19/21 22:37	1
Perfluoropentanoic acid (PFPeA)	<0.46		1.9	0.46	ng/L		10/19/21 04:55	10/19/21 22:37	1
Perfluorohexanoic acid (PFHxA)	<0.55		1.9	0.55	ng/L		10/19/21 04:55	10/19/21 22:37	1
Perfluoroheptanoic acid (PFHpA)	<0.24		1.9	0.24	ng/L		10/19/21 04:55	10/19/21 22:37	1
Perfluorooctanoic acid (PFOA)	<0.80		1.9	0.80	ng/L		10/19/21 04:55	10/19/21 22:37	1
Perfluorononanoic acid (PFNA)	<0.25		1.9	0.25	ng/L		10/19/21 04:55	10/19/21 22:37	1
Perfluorodecanoic acid (PFDA)	<0.29		1.9	0.29	ng/L		10/19/21 04:55	10/19/21 22:37	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		10/19/21 04:55	10/19/21 22:37	1
Perfluorododecanoic acid (PFDoA)	<0.52		1.9	0.52	ng/L		10/19/21 04:55	10/19/21 22:37	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.9	1.2	ng/L		10/19/21 04:55	10/19/21 22:37	1
Perfluorotetradecanoic acid (PFTeA)	<0.69		1.9	0.69	ng/L		10/19/21 04:55	10/19/21 22:37	1
Perfluorobutanesulfonic acid (PFBS)	**0.98**	**J**	1.9	0.19	ng/L		10/19/21 04:55	10/19/21 22:37	1
Perfluoropentanesulfonic acid (PFPeS)	<0.28		1.9	0.28	ng/L		10/19/21 04:55	10/19/21 22:37	1
Perfluorohexanesulfonic acid (PFHxS)	**1.2**	**J**	1.9	0.54	ng/L		10/19/21 04:55	10/19/21 22:37	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.18		1.9	0.18	ng/L		10/19/21 04:55	10/19/21 22:37	1
Perfluorooctanesulfonic acid (PFOS)	**4.1**		1.9	0.51	ng/L		10/19/21 04:55	10/19/21 22:37	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		10/19/21 04:55	10/19/21 22:37	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		10/19/21 04:55	10/19/21 22:37	1
Perfluorododecanesulfonic acid (PFDoS)	<0.91		1.9	0.91	ng/L		10/19/21 04:55	10/19/21 22:37	1
Perfluorooctanesulfonamide (FOSA)	<0.92		1.9	0.92	ng/L		10/19/21 04:55	10/19/21 22:37	1
NEtFOSA	<0.82		1.9	0.82	ng/L		10/19/21 04:55	10/19/21 22:37	1
NMeFOSA	<0.40		1.9	0.40	ng/L		10/19/21 04:55	10/19/21 22:37	1
NMeFOSAA	<1.1		4.7	1.1	ng/L		10/19/21 04:55	10/19/21 22:37	1
NEtFOSAA	<1.2		4.7	1.2	ng/L		10/19/21 04:55	10/19/21 22:37	1

Client: Ramboll US Corporation
Project/Site: Former Mirro 20 - Chilton 1690019558

Job ID: 500-206977-1

Client Sample ID: B-6
Date Collected: 10/13/21 10:55
Date Received: 10/16/21 11:30

Lab Sample ID: 500-206977-2
Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
NMeFOSE	<1.3		3.8	1.3	ng/L		10/19/21 04:55	10/19/21 22:37	1
NEtFOSE	<0.80		1.9	0.80	ng/L		10/19/21 04:55	10/19/21 22:37	1
4:2 FTS	<0.23		1.9	0.23	ng/L		10/19/21 04:55	10/19/21 22:37	1
6:2 FTS	<2.4		4.7	2.4	ng/L		10/19/21 04:55	10/19/21 22:37	1
8:2 FTS	<0.43		1.9	0.43	ng/L		10/19/21 04:55	10/19/21 22:37	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.38		1.9	0.38	ng/L		10/19/21 04:55	10/19/21 22:37	1
HFPO-DA (GenX)	<1.4		3.8	1.4	ng/L		10/19/21 04:55	10/19/21 22:37	1
9Cl-PF3ONS	<0.23		1.9	0.23	ng/L		10/19/21 04:55	10/19/21 22:37	1
11Cl-PF3OUdS	<0.30		1.9	0.30	ng/L		10/19/21 04:55	10/19/21 22:37	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*83*		*25 - 150*	*10/19/21 04:55*	*10/19/21 22:37*	*1*
13C5 PFPeA	*96*		*25 - 150*	*10/19/21 04:55*	*10/19/21 22:37*	*1*
13C2 PFHxA	*85*		*25 - 150*	*10/19/21 04:55*	*10/19/21 22:37*	*1*
13C4 PFHpA	*91*		*25 - 150*	*10/19/21 04:55*	*10/19/21 22:37*	*1*
13C4 PFOA	*93*		*25 - 150*	*10/19/21 04:55*	*10/19/21 22:37*	*1*
13C5 PFNA	*91*		*25 - 150*	*10/19/21 04:55*	*10/19/21 22:37*	*1*
13C2 PFDA	*91*		*25 - 150*	*10/19/21 04:55*	*10/19/21 22:37*	*1*
13C2 PFUnA	*91*		*25 - 150*	*10/19/21 04:55*	*10/19/21 22:37*	*1*
13C2 PFDoA	*85*		*25 - 150*	*10/19/21 04:55*	*10/19/21 22:37*	*1*
13C2 PFTeDA	*85*		*25 - 150*	*10/19/21 04:55*	*10/19/21 22:37*	*1*
13C3 PFBS	*84*		*25 - 150*	*10/19/21 04:55*	*10/19/21 22:37*	*1*
18O2 PFHxS	*83*		*25 - 150*	*10/19/21 04:55*	*10/19/21 22:37*	*1*
13C4 PFOS	*83*		*25 - 150*	*10/19/21 04:55*	*10/19/21 22:37*	*1*
13C8 FOSA	*83*		*10 - 150*	*10/19/21 04:55*	*10/19/21 22:37*	*1*
d3-NMeFOSAA	*84*		*25 - 150*	*10/19/21 04:55*	*10/19/21 22:37*	*1*
d5-NEtFOSAA	*84*		*25 - 150*	*10/19/21 04:55*	*10/19/21 22:37*	*1*
d-N-MeFOSA-M	*74*		*10 - 150*	*10/19/21 04:55*	*10/19/21 22:37*	*1*
d-N-EtFOSA-M	*73*		*10 - 150*	*10/19/21 04:55*	*10/19/21 22:37*	*1*
d7-N-MeFOSE-M	*78*		*10 - 150*	*10/19/21 04:55*	*10/19/21 22:37*	*1*
d9-N-EtFOSE-M	*81*		*10 - 150*	*10/19/21 04:55*	*10/19/21 22:37*	*1*
M2-4:2 FTS	*119*		*25 - 150*	*10/19/21 04:55*	*10/19/21 22:37*	*1*
M2-6:2 FTS	*103*		*25 - 150*	*10/19/21 04:55*	*10/19/21 22:37*	*1*
M2-8:2 FTS	*115*		*25 - 150*	*10/19/21 04:55*	*10/19/21 22:37*	*1*
13C3 HFPO-DA	*88*		*25 - 150*	*10/19/21 04:55*	*10/19/21 22:37*	*1*
13C2 10:2 FTS	*104*		*25 - 150*	*10/19/21 04:55*	*10/19/21 22:37*	*1*

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.92**	**J**	1.0	0.23	ug/L		10/21/21 09:54	10/21/21 18:14	1

Client: Ramboll US Corporation
Project/Site: Former Mirro 20 - Chilton 1690019558

Job ID: 500-206977-1

Client Sample ID: B-11
Date Collected: 10/13/21 11:31
Date Received: 10/16/21 11:30

Lab Sample ID: 500-206977-3
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			10/27/21 03:26	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/27/21 03:26	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/27/21 03:26	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			10/27/21 03:26	1
Bromoform	<0.48		1.0	0.48	ug/L			10/27/21 03:26	1
Bromomethane	<0.80		3.0	0.80	ug/L			10/27/21 03:26	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			10/27/21 03:26	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/27/21 03:26	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/27/21 03:26	1
Chloroethane	<0.51		1.0	0.51	ug/L			10/27/21 03:26	1
Chloroform	<0.37		2.0	0.37	ug/L			10/27/21 03:26	1
Chloromethane	<0.32		1.0	0.32	ug/L			10/27/21 03:26	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/27/21 03:26	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/27/21 03:26	1
cis-1,2-Dichloroethene	**5.7**		1.0	0.41	ug/L			10/27/21 03:26	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/27/21 03:26	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			10/27/21 03:26	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			10/27/21 03:26	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			10/27/21 03:26	1
Dibromomethane	<0.27		1.0	0.27	ug/L			10/27/21 03:26	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/27/21 03:26	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/27/21 03:26	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/27/21 03:26	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			10/27/21 03:26	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/27/21 03:26	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			10/27/21 03:26	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			10/27/21 03:26	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			10/27/21 03:26	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/27/21 03:26	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			10/27/21 03:26	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			10/27/21 03:26	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			10/27/21 03:26	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/27/21 03:26	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/27/21 03:26	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			10/27/21 03:26	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			10/27/21 03:26	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			10/27/21 03:26	1
Naphthalene	**0.81**	**J B**	1.0	0.34	ug/L			10/27/21 03:26	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/27/21 03:26	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/27/21 03:26	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/27/21 03:26	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			10/27/21 03:26	1
Styrene	<0.39		1.0	0.39	ug/L			10/27/21 03:26	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/27/21 03:26	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			10/27/21 03:26	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			10/27/21 03:26	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			10/27/21 03:26	1
Toluene	<0.15		0.50	0.15	ug/L			10/27/21 03:26	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			10/27/21 03:26	1

Client: Ramboll US Corporation
Job ID: 500-206977-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: B-11
Lab Sample ID: 500-206977-3
Date Collected: 10/13/21 11:31
Matrix: Water
Date Received: 10/16/21 11:30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/27/21 03:26	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			10/27/21 03:26	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/27/21 03:26	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			10/27/21 03:26	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			10/27/21 03:26	1
Trichloroethene	**0.40**	**J**	0.50	0.16	ug/L			10/27/21 03:26	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			10/27/21 03:26	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			10/27/21 03:26	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/27/21 03:26	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/27/21 03:26	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			10/27/21 03:26	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			10/27/21 03:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*72 - 124*		*10/27/21 03:26*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 120*		*10/27/21 03:26*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*75 - 126*		*10/27/21 03:26*	*1*
Toluene-d8 (Surr)	*99*		*75 - 120*		*10/27/21 03:26*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.3		4.7	2.3	ng/L		10/19/21 04:55	10/19/21 22:47	1
Perfluoropentanoic acid (PFPeA)	<0.46		1.9	0.46	ng/L		10/19/21 04:55	10/19/21 22:47	1
Perfluorohexanoic acid (PFHxA)	<0.55		1.9	0.55	ng/L		10/19/21 04:55	10/19/21 22:47	1
Perfluoroheptanoic acid (PFHpA)	<0.24		1.9	0.24	ng/L		10/19/21 04:55	10/19/21 22:47	1
Perfluorooctanoic acid (PFOA)	<0.80		1.9	0.80	ng/L		10/19/21 04:55	10/19/21 22:47	1
Perfluorononanoic acid (PFNA)	<0.25		1.9	0.25	ng/L		10/19/21 04:55	10/19/21 22:47	1
Perfluorodecanoic acid (PFDA)	<0.29		1.9	0.29	ng/L		10/19/21 04:55	10/19/21 22:47	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		10/19/21 04:55	10/19/21 22:47	1
Perfluorododecanoic acid (PFDoA)	<0.52		1.9	0.52	ng/L		10/19/21 04:55	10/19/21 22:47	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.9	1.2	ng/L		10/19/21 04:55	10/19/21 22:47	1
Perfluorotetradecanoic acid (PFTeA)	<0.69		1.9	0.69	ng/L		10/19/21 04:55	10/19/21 22:47	1
Perfluorobutanesulfonic acid (PFBS)	**1.0**	**J**	1.9	0.19	ng/L		10/19/21 04:55	10/19/21 22:47	1
Perfluoropentanesulfonic acid (PFPeS)	<0.28		1.9	0.28	ng/L		10/19/21 04:55	10/19/21 22:47	1
Perfluorohexanesulfonic acid (PFHxS)	**1.0**	**J**	1.9	0.54	ng/L		10/19/21 04:55	10/19/21 22:47	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.18		1.9	0.18	ng/L		10/19/21 04:55	10/19/21 22:47	1
Perfluorooctanesulfonic acid (PFOS)	**0.73**	**J**	1.9	0.51	ng/L		10/19/21 04:55	10/19/21 22:47	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		10/19/21 04:55	10/19/21 22:47	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		10/19/21 04:55	10/19/21 22:47	1
Perfluorododecanesulfonic acid (PFDoS)	<0.91		1.9	0.91	ng/L		10/19/21 04:55	10/19/21 22:47	1
Perfluorooctanesulfonamide (FOSA)	<0.92		1.9	0.92	ng/L		10/19/21 04:55	10/19/21 22:47	1
NEtFOSA	<0.82		1.9	0.82	ng/L		10/19/21 04:55	10/19/21 22:47	1
NMeFOSA	<0.41		1.9	0.41	ng/L		10/19/21 04:55	10/19/21 22:47	1
NMeFOSAA	<1.1		4.7	1.1	ng/L		10/19/21 04:55	10/19/21 22:47	1
NEtFOSAA	<1.2		4.7	1.2	ng/L		10/19/21 04:55	10/19/21 22:47	1

Client: Ramboll US Corporation
Job ID: 500-206977-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: B-11
Lab Sample ID: 500-206977-3
Date Collected: 10/13/21 11:31
Matrix: Water
Date Received: 10/16/21 11:30

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
NMeFOSE	<1.3		3.8	1.3	ng/L		10/19/21 04:55	10/19/21 22:47	1
NEtFOSE	<0.80		1.9	0.80	ng/L		10/19/21 04:55	10/19/21 22:47	1
4:2 FTS	<0.23		1.9	0.23	ng/L		10/19/21 04:55	10/19/21 22:47	1
6:2 FTS	<2.4		4.7	2.4	ng/L		10/19/21 04:55	10/19/21 22:47	1
8:2 FTS	<0.43		1.9	0.43	ng/L		10/19/21 04:55	10/19/21 22:47	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.38		1.9	0.38	ng/L		10/19/21 04:55	10/19/21 22:47	1
HFPO-DA (GenX)	<1.4		3.8	1.4	ng/L		10/19/21 04:55	10/19/21 22:47	1
9Cl-PF3ONS	<0.23		1.9	0.23	ng/L		10/19/21 04:55	10/19/21 22:47	1
11Cl-PF3OUdS	<0.30		1.9	0.30	ng/L		10/19/21 04:55	10/19/21 22:47	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*85*		*25 - 150*	*10/19/21 04:55*	*10/19/21 22:47*	*1*
13C5 PFPeA	*91*		*25 - 150*	*10/19/21 04:55*	*10/19/21 22:47*	*1*
13C2 PFHxA	*88*		*25 - 150*	*10/19/21 04:55*	*10/19/21 22:47*	*1*
13C4 PFHpA	*94*		*25 - 150*	*10/19/21 04:55*	*10/19/21 22:47*	*1*
13C4 PFOA	*97*		*25 - 150*	*10/19/21 04:55*	*10/19/21 22:47*	*1*
13C5 PFNA	*100*		*25 - 150*	*10/19/21 04:55*	*10/19/21 22:47*	*1*
13C2 PFDA	*92*		*25 - 150*	*10/19/21 04:55*	*10/19/21 22:47*	*1*
13C2 PFUnA	*87*		*25 - 150*	*10/19/21 04:55*	*10/19/21 22:47*	*1*
13C2 PFDoA	*89*		*25 - 150*	*10/19/21 04:55*	*10/19/21 22:47*	*1*
13C2 PFTeDA	*87*		*25 - 150*	*10/19/21 04:55*	*10/19/21 22:47*	*1*
13C3 PFBS	*86*		*25 - 150*	*10/19/21 04:55*	*10/19/21 22:47*	*1*
18O2 PFHxS	*82*		*25 - 150*	*10/19/21 04:55*	*10/19/21 22:47*	*1*
13C4 PFOS	*86*		*25 - 150*	*10/19/21 04:55*	*10/19/21 22:47*	*1*
13C8 FOSA	*85*		*10 - 150*	*10/19/21 04:55*	*10/19/21 22:47*	*1*
d3-NMeFOSAA	*79*		*25 - 150*	*10/19/21 04:55*	*10/19/21 22:47*	*1*
d5-NEtFOSAA	*86*		*25 - 150*	*10/19/21 04:55*	*10/19/21 22:47*	*1*
d-N-MeFOSA-M	*75*		*10 - 150*	*10/19/21 04:55*	*10/19/21 22:47*	*1*
d-N-EtFOSA-M	*76*		*10 - 150*	*10/19/21 04:55*	*10/19/21 22:47*	*1*
d7-N-MeFOSE-M	*83*		*10 - 150*	*10/19/21 04:55*	*10/19/21 22:47*	*1*
d9-N-EtFOSE-M	*85*		*10 - 150*	*10/19/21 04:55*	*10/19/21 22:47*	*1*
M2-4:2 FTS	*122*		*25 - 150*	*10/19/21 04:55*	*10/19/21 22:47*	*1*
M2-6:2 FTS	*108*		*25 - 150*	*10/19/21 04:55*	*10/19/21 22:47*	*1*
M2-8:2 FTS	*98*		*25 - 150*	*10/19/21 04:55*	*10/19/21 22:47*	*1*
13C3 HFPO-DA	*91*		*25 - 150*	*10/19/21 04:55*	*10/19/21 22:47*	*1*
13C2 10:2 FTS	*107*		*25 - 150*	*10/19/21 04:55*	*10/19/21 22:47*	*1*

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**1.9**		1.0	0.23	ug/L		10/21/21 09:54	10/21/21 18:18	1

Client: Ramboll US Corporation
Project/Site: Former Mirro 20 - Chilton 1690019558

Job ID: 500-206977-1

Client Sample ID: MW-11
Date Collected: 10/13/21 13:18
Date Received: 10/16/21 11:30

Lab Sample ID: 500-206977-4
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			10/27/21 03:48	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/27/21 03:48	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/27/21 03:48	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			10/27/21 03:48	1
Bromoform	<0.48		1.0	0.48	ug/L			10/27/21 03:48	1
Bromomethane	<0.80		3.0	0.80	ug/L			10/27/21 03:48	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			10/27/21 03:48	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/27/21 03:48	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/27/21 03:48	1
Chloroethane	<0.51		1.0	0.51	ug/L			10/27/21 03:48	1
Chloroform	<0.37		2.0	0.37	ug/L			10/27/21 03:48	1
Chloromethane	<0.32		1.0	0.32	ug/L			10/27/21 03:48	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/27/21 03:48	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/27/21 03:48	1
cis-1,2-Dichloroethene	**5.8**		1.0	0.41	ug/L			10/27/21 03:48	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/27/21 03:48	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			10/27/21 03:48	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			10/27/21 03:48	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			10/27/21 03:48	1
Dibromomethane	<0.27		1.0	0.27	ug/L			10/27/21 03:48	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/27/21 03:48	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/27/21 03:48	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/27/21 03:48	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			10/27/21 03:48	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/27/21 03:48	1
1,2-Dichloroethane	**19**		1.0	0.39	ug/L			10/27/21 03:48	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			10/27/21 03:48	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			10/27/21 03:48	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/27/21 03:48	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			10/27/21 03:48	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			10/27/21 03:48	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			10/27/21 03:48	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/27/21 03:48	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/27/21 03:48	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			10/27/21 03:48	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			10/27/21 03:48	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			10/27/21 03:48	1
Naphthalene	**0.69**	**J B**	1.0	0.34	ug/L			10/27/21 03:48	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/27/21 03:48	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/27/21 03:48	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/27/21 03:48	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			10/27/21 03:48	1
Styrene	<0.39		1.0	0.39	ug/L			10/27/21 03:48	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/27/21 03:48	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			10/27/21 03:48	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			10/27/21 03:48	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			10/27/21 03:48	1
Toluene	<0.15		0.50	0.15	ug/L			10/27/21 03:48	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			10/27/21 03:48	1

Client Sample ID: MW-11
Lab Sample ID: 500-206977-4
Date Collected: 10/13/21 13:18
Matrix: Water
Date Received: 10/16/21 11:30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/27/21 03:48	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			10/27/21 03:48	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/27/21 03:48	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			10/27/21 03:48	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			10/27/21 03:48	1
Trichloroethene	<0.16		0.50	0.16	ug/L			10/27/21 03:48	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			10/27/21 03:48	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			10/27/21 03:48	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/27/21 03:48	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/27/21 03:48	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			10/27/21 03:48	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			10/27/21 03:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*72 - 124*		*10/27/21 03:48*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 120*		*10/27/21 03:48*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*75 - 126*		*10/27/21 03:48*	*1*
Toluene-d8 (Surr)	*98*		*75 - 120*		*10/27/21 03:48*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.26		0.83	0.26	ug/L		10/18/21 06:31	10/20/21 17:15	1
Acenaphthylene	<0.22		0.83	0.22	ug/L		10/18/21 06:31	10/20/21 17:15	1
Anthracene	<0.28		0.83	0.28	ug/L		10/18/21 06:31	10/20/21 17:15	1
Benzo[a]anthracene	<0.047		0.17	0.047	ug/L		10/18/21 06:31	10/20/21 17:15	1
Benzo[a]pyrene	<0.082		0.17	0.082	ug/L		10/18/21 06:31	10/20/21 17:15	1
Benzo[b]fluoranthene	<0.067		0.17	0.067	ug/L		10/18/21 06:31	10/20/21 17:15	1
Benzo[g,h,i]perylene	<0.31		0.83	0.31	ug/L		10/18/21 06:31	10/20/21 17:15	1
Benzo[k]fluoranthene	<0.053		0.17	0.053	ug/L		10/18/21 06:31	10/20/21 17:15	1
Chrysene	<0.057		0.17	0.057	ug/L		10/18/21 06:31	10/20/21 17:15	1
Dibenz(a,h)anthracene	<0.042		0.25	0.042	ug/L		10/18/21 06:31	10/20/21 17:15	1
Fluoranthene	<0.38		0.83	0.38	ug/L		10/18/21 06:31	10/20/21 17:15	1
Fluorene	<0.20		0.83	0.20	ug/L		10/18/21 06:31	10/20/21 17:15	1
Indeno[1,2,3-cd]pyrene	<0.062		0.17	0.062	ug/L		10/18/21 06:31	10/20/21 17:15	1
Naphthalene	<0.26		0.83	0.26	ug/L		10/18/21 06:31	10/20/21 17:15	1
Phenanthrene	<0.25		0.83	0.25	ug/L		10/18/21 06:31	10/20/21 17:15	1
Pyrene	<0.36		0.83	0.36	ug/L		10/18/21 06:31	10/20/21 17:15	1
1-Methylnaphthalene	<0.25		1.7	0.25	ug/L		10/18/21 06:31	10/20/21 17:15	1
2-Methylnaphthalene	<0.054		1.7	0.054	ug/L		10/18/21 06:31	10/20/21 17:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*70*		*36 - 120*	*10/18/21 06:31*	*10/20/21 17:15*	*1*
Terphenyl-d14 (Surr)	*90*		*40 - 145*	*10/18/21 06:31*	*10/20/21 17:15*	*1*
2-Fluorobiphenyl (Surr)	*68*		*34 - 110*	*10/18/21 06:31*	*10/20/21 17:15*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.3		4.7	2.3	ng/L		10/19/21 04:55	10/19/21 22:57	1
Perfluoropentanoic acid (PFPeA)	<0.46		1.9	0.46	ng/L		10/19/21 04:55	10/19/21 22:57	1
Perfluorohexanoic acid (PFHxA)	<0.55		1.9	0.55	ng/L		10/19/21 04:55	10/19/21 22:57	1

Client: Ramboll US Corporation
Job ID: 500-206977-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: MW-11
Lab Sample ID: 500-206977-4
Date Collected: 10/13/21 13:18
Matrix: Water
Date Received: 10/16/21 11:30

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoroheptanoic acid (PFHpA)	<0.24		1.9	0.24	ng/L		10/19/21 04:55	10/19/21 22:57	1
Perfluorooctanoic acid (PFOA)	<0.80		1.9	0.80	ng/L		10/19/21 04:55	10/19/21 22:57	1
Perfluorononanoic acid (PFNA)	<0.25		1.9	0.25	ng/L		10/19/21 04:55	10/19/21 22:57	1
Perfluorodecanoic acid (PFDA)	<0.29		1.9	0.29	ng/L		10/19/21 04:55	10/19/21 22:57	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		10/19/21 04:55	10/19/21 22:57	1
Perfluorododecanoic acid (PFDoA)	<0.52		1.9	0.52	ng/L		10/19/21 04:55	10/19/21 22:57	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.9	1.2	ng/L		10/19/21 04:55	10/19/21 22:57	1
Perfluorotetradecanoic acid (PFTeA)	<0.69		1.9	0.69	ng/L		10/19/21 04:55	10/19/21 22:57	1
Perfluorobutanesulfonic acid (PFBS)	<0.19		1.9	0.19	ng/L		10/19/21 04:55	10/19/21 22:57	1
Perfluoropentanesulfonic acid (PFPeS)	<0.28		1.9	0.28	ng/L		10/19/21 04:55	10/19/21 22:57	1
Perfluorohexanesulfonic acid (PFHxS)	<0.54		1.9	0.54	ng/L		10/19/21 04:55	10/19/21 22:57	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.18		1.9	0.18	ng/L		10/19/21 04:55	10/19/21 22:57	1
Perfluorooctanesulfonic acid (PFOS)	<0.51		1.9	0.51	ng/L		10/19/21 04:55	10/19/21 22:57	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		10/19/21 04:55	10/19/21 22:57	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		10/19/21 04:55	10/19/21 22:57	1
Perfluorododecanesulfonic acid (PFDoS)	<0.91		1.9	0.91	ng/L		10/19/21 04:55	10/19/21 22:57	1
Perfluorooctanesulfonamide (FOSA)	<0.92		1.9	0.92	ng/L		10/19/21 04:55	10/19/21 22:57	1
NEtFOSA	<0.82		1.9	0.82	ng/L		10/19/21 04:55	10/19/21 22:57	1
NMeFOSA	<0.41		1.9	0.41	ng/L		10/19/21 04:55	10/19/21 22:57	1
NMeFOSAA	<1.1		4.7	1.1	ng/L		10/19/21 04:55	10/19/21 22:57	1
NEtFOSAA	<1.2		4.7	1.2	ng/L		10/19/21 04:55	10/19/21 22:57	1
NMeFOSE	<1.3		3.8	1.3	ng/L		10/19/21 04:55	10/19/21 22:57	1
NEtFOSE	<0.80		1.9	0.80	ng/L		10/19/21 04:55	10/19/21 22:57	1
4:2 FTS	<0.23		1.9	0.23	ng/L		10/19/21 04:55	10/19/21 22:57	1
6:2 FTS	<2.4		4.7	2.4	ng/L		10/19/21 04:55	10/19/21 22:57	1
8:2 FTS	<0.43		1.9	0.43	ng/L		10/19/21 04:55	10/19/21 22:57	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.38		1.9	0.38	ng/L		10/19/21 04:55	10/19/21 22:57	1
HFPO-DA (GenX)	<1.4		3.8	1.4	ng/L		10/19/21 04:55	10/19/21 22:57	1
9Cl-PF3ONS	<0.23		1.9	0.23	ng/L		10/19/21 04:55	10/19/21 22:57	1
11Cl-PF3OUdS	<0.30		1.9	0.30	ng/L		10/19/21 04:55	10/19/21 22:57	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*86*		*25 - 150*	*10/19/21 04:55*	*10/19/21 22:57*	*1*
13C5 PFPeA	*95*		*25 - 150*	*10/19/21 04:55*	*10/19/21 22:57*	*1*
13C2 PFHxA	*91*		*25 - 150*	*10/19/21 04:55*	*10/19/21 22:57*	*1*
13C4 PFHpA	*96*		*25 - 150*	*10/19/21 04:55*	*10/19/21 22:57*	*1*
13C4 PFOA	*96*		*25 - 150*	*10/19/21 04:55*	*10/19/21 22:57*	*1*
13C5 PFNA	*96*		*25 - 150*	*10/19/21 04:55*	*10/19/21 22:57*	*1*
13C2 PFDA	*91*		*25 - 150*	*10/19/21 04:55*	*10/19/21 22:57*	*1*
13C2 PFUnA	*92*		*25 - 150*	*10/19/21 04:55*	*10/19/21 22:57*	*1*
13C2 PFDoA	*87*		*25 - 150*	*10/19/21 04:55*	*10/19/21 22:57*	*1*
13C2 PFTeDA	*86*		*25 - 150*	*10/19/21 04:55*	*10/19/21 22:57*	*1*
13C3 PFBS	*86*		*25 - 150*	*10/19/21 04:55*	*10/19/21 22:57*	*1*
18O2 PFHxS	*84*		*25 - 150*	*10/19/21 04:55*	*10/19/21 22:57*	*1*
13C4 PFOS	*86*		*25 - 150*	*10/19/21 04:55*	*10/19/21 22:57*	*1*
13C8 FOSA	*83*		*10 - 150*	*10/19/21 04:55*	*10/19/21 22:57*	*1*
d3-NMeFOSAA	*81*		*25 - 150*	*10/19/21 04:55*	*10/19/21 22:57*	*1*

Client: Ramboll US Corporation
Job ID: 500-206977-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: MW-11
Date Collected: 10/13/21 13:18
Date Received: 10/16/21 11:30

Lab Sample ID: 500-206977-4
Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*91*		*25 - 150*	*10/19/21 04:55*	*10/19/21 22:57*	*1*
d-N-MeFOSA-M	*74*		*10 - 150*	*10/19/21 04:55*	*10/19/21 22:57*	*1*
d-N-EtFOSA-M	*76*		*10 - 150*	*10/19/21 04:55*	*10/19/21 22:57*	*1*
d7-N-MeFOSE-M	*83*		*10 - 150*	*10/19/21 04:55*	*10/19/21 22:57*	*1*
d9-N-EtFOSE-M	*84*		*10 - 150*	*10/19/21 04:55*	*10/19/21 22:57*	*1*
M2-4:2 FTS	*117*		*25 - 150*	*10/19/21 04:55*	*10/19/21 22:57*	*1*
M2-6:2 FTS	*107*		*25 - 150*	*10/19/21 04:55*	*10/19/21 22:57*	*1*
M2-8:2 FTS	*106*		*25 - 150*	*10/19/21 04:55*	*10/19/21 22:57*	*1*
13C3 HFPO-DA	*93*		*25 - 150*	*10/19/21 04:55*	*10/19/21 22:57*	*1*
13C2 10:2 FTS	*101*		*25 - 150*	*10/19/21 04:55*	*10/19/21 22:57*	*1*

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**1.5**		1.0	0.23	ug/L		10/21/21 09:54	10/21/21 18:21	1
Barium	**20**		2.5	0.73	ug/L		10/21/21 09:54	10/21/21 18:21	1
Cadmium	<0.17		0.50	0.17	ug/L		10/21/21 09:54	10/21/21 18:21	1
Chromium	<1.1		5.0	1.1	ug/L		10/21/21 09:54	10/21/21 18:21	1
Lead	<0.19		0.50	0.19	ug/L		10/21/21 09:54	10/21/21 18:21	1
Selenium	<0.98		2.5	0.98	ug/L		10/21/21 09:54	10/21/21 18:21	1
Silver	<0.12		0.50	0.12	ug/L		10/21/21 09:54	10/21/21 18:21	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.098		0.20	0.098	ug/L		10/22/21 10:25	10/25/21 08:34	1

Client: Ramboll US Corporation
Project/Site: Former Mirro 20 - Chilton 1690019558

Job ID: 500-206977-1

Client Sample ID: MW-12

Date Collected: 10/13/21 14:07
Date Received: 10/16/21 11:30

Lab Sample ID: 500-206977-5

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			10/27/21 04:10	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/27/21 04:10	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/27/21 04:10	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			10/27/21 04:10	1
Bromoform	<0.48		1.0	0.48	ug/L			10/27/21 04:10	1
Bromomethane	<0.80		3.0	0.80	ug/L			10/27/21 04:10	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			10/27/21 04:10	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/27/21 04:10	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/27/21 04:10	1
Chloroethane	<0.51		1.0	0.51	ug/L			10/27/21 04:10	1
Chloroform	**0.71**	**J**	2.0	0.37	ug/L			10/27/21 04:10	1
Chloromethane	<0.32		1.0	0.32	ug/L			10/27/21 04:10	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/27/21 04:10	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/27/21 04:10	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			10/27/21 04:10	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/27/21 04:10	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			10/27/21 04:10	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			10/27/21 04:10	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			10/27/21 04:10	1
Dibromomethane	<0.27		1.0	0.27	ug/L			10/27/21 04:10	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/27/21 04:10	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/27/21 04:10	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/27/21 04:10	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			10/27/21 04:10	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/27/21 04:10	1
1,2-Dichloroethane	**0.86**	**J**	1.0	0.39	ug/L			10/27/21 04:10	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			10/27/21 04:10	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			10/27/21 04:10	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/27/21 04:10	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			10/27/21 04:10	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			10/27/21 04:10	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			10/27/21 04:10	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/27/21 04:10	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/27/21 04:10	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			10/27/21 04:10	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			10/27/21 04:10	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			10/27/21 04:10	1
Naphthalene	**0.71**	**J B**	1.0	0.34	ug/L			10/27/21 04:10	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/27/21 04:10	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/27/21 04:10	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/27/21 04:10	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			10/27/21 04:10	1
Styrene	<0.39		1.0	0.39	ug/L			10/27/21 04:10	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/27/21 04:10	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			10/27/21 04:10	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			10/27/21 04:10	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			10/27/21 04:10	1
Toluene	<0.15		0.50	0.15	ug/L			10/27/21 04:10	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			10/27/21 04:10	1

Client Sample ID: MW-12
Lab Sample ID: 500-206977-5
Date Collected: 10/13/21 14:07
Matrix: Water
Date Received: 10/16/21 11:30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/27/21 04:10	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			10/27/21 04:10	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/27/21 04:10	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			10/27/21 04:10	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			10/27/21 04:10	1
Trichloroethene	<0.16		0.50	0.16	ug/L			10/27/21 04:10	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			10/27/21 04:10	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			10/27/21 04:10	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/27/21 04:10	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/27/21 04:10	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			10/27/21 04:10	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			10/27/21 04:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*72 - 124*		*10/27/21 04:10*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 120*		*10/27/21 04:10*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*75 - 126*		*10/27/21 04:10*	*1*
Toluene-d8 (Surr)	*98*		*75 - 120*		*10/27/21 04:10*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.25		0.81	0.25	ug/L		10/18/21 06:31	10/20/21 17:39	1
Acenaphthylene	<0.22		0.81	0.22	ug/L		10/18/21 06:31	10/20/21 17:39	1
Anthracene	<0.27		0.81	0.27	ug/L		10/18/21 06:31	10/20/21 17:39	1
Benzo[a]anthracene	<0.046		0.16	0.046	ug/L		10/18/21 06:31	10/20/21 17:39	1
Benzo[a]pyrene	<0.080		0.16	0.080	ug/L		10/18/21 06:31	10/20/21 17:39	1
Benzo[b]fluoranthene	<0.065		0.16	0.065	ug/L		10/18/21 06:31	10/20/21 17:39	1
Benzo[g,h,i]perylene	<0.30		0.81	0.30	ug/L		10/18/21 06:31	10/20/21 17:39	1
Benzo[k]fluoranthene	<0.052		0.16	0.052	ug/L		10/18/21 06:31	10/20/21 17:39	1
Chrysene	<0.055		0.16	0.055	ug/L		10/18/21 06:31	10/20/21 17:39	1
Dibenz(a,h)anthracene	<0.041		0.24	0.041	ug/L		10/18/21 06:31	10/20/21 17:39	1
Fluoranthene	<0.37		0.81	0.37	ug/L		10/18/21 06:31	10/20/21 17:39	1
Fluorene	<0.20		0.81	0.20	ug/L		10/18/21 06:31	10/20/21 17:39	1
Indeno[1,2,3-cd]pyrene	<0.061		0.16	0.061	ug/L		10/18/21 06:31	10/20/21 17:39	1
Naphthalene	<0.25		0.81	0.25	ug/L		10/18/21 06:31	10/20/21 17:39	1
Phenanthrene	<0.24		0.81	0.24	ug/L		10/18/21 06:31	10/20/21 17:39	1
Pyrene	<0.35		0.81	0.35	ug/L		10/18/21 06:31	10/20/21 17:39	1
1-Methylnaphthalene	<0.24		1.6	0.24	ug/L		10/18/21 06:31	10/20/21 17:39	1
2-Methylnaphthalene	<0.053		1.6	0.053	ug/L		10/18/21 06:31	10/20/21 17:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*71*		*36 - 120*	*10/18/21 06:31*	*10/20/21 17:39*	*1*
Terphenyl-d14 (Surr)	*92*		*40 - 145*	*10/18/21 06:31*	*10/20/21 17:39*	*1*
2-Fluorobiphenyl (Surr)	*74*		*34 - 110*	*10/18/21 06:31*	*10/20/21 17:39*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.3		4.8	2.3	ng/L		10/19/21 04:55	10/19/21 23:07	1
Perfluoropentanoic acid (PFPeA)	<0.47		1.9	0.47	ng/L		10/19/21 04:55	10/19/21 23:07	1
Perfluorohexanoic acid (PFHxA)	<0.55		1.9	0.55	ng/L		10/19/21 04:55	10/19/21 23:07	1

Client: Ramboll US Corporation
Project/Site: Former Mirro 20 - Chilton 1690019558

Job ID: 500-206977-1

Client Sample ID: MW-12
Date Collected: 10/13/21 14:07
Date Received: 10/16/21 11:30

Lab Sample ID: 500-206977-5
Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoroheptanoic acid (PFHpA)	<0.24		1.9	0.24	ng/L		10/19/21 04:55	10/19/21 23:07	1
Perfluorooctanoic acid (PFOA)	<0.81		1.9	0.81	ng/L		10/19/21 04:55	10/19/21 23:07	1
Perfluorononanoic acid (PFNA)	<0.26		1.9	0.26	ng/L		10/19/21 04:55	10/19/21 23:07	1
Perfluorodecanoic acid (PFDA)	<0.30		1.9	0.30	ng/L		10/19/21 04:55	10/19/21 23:07	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		10/19/21 04:55	10/19/21 23:07	1
Perfluorododecanoic acid (PFDoA)	<0.52		1.9	0.52	ng/L		10/19/21 04:55	10/19/21 23:07	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.9	1.2	ng/L		10/19/21 04:55	10/19/21 23:07	1
Perfluorotetradecanoic acid (PFTeA)	<0.70		1.9	0.70	ng/L		10/19/21 04:55	10/19/21 23:07	1
Perfluorobutanesulfonic acid (PFBS)	<0.19		1.9	0.19	ng/L		10/19/21 04:55	10/19/21 23:07	1
Perfluoropentanesulfonic acid (PFPeS)	<0.29		1.9	0.29	ng/L		10/19/21 04:55	10/19/21 23:07	1
Perfluorohexanesulfonic acid (PFHxS)	<0.54		1.9	0.54	ng/L		10/19/21 04:55	10/19/21 23:07	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.18		1.9	0.18	ng/L		10/19/21 04:55	10/19/21 23:07	1
Perfluorooctanesulfonic acid (PFOS)	<0.51		1.9	0.51	ng/L		10/19/21 04:55	10/19/21 23:07	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		10/19/21 04:55	10/19/21 23:07	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		10/19/21 04:55	10/19/21 23:07	1
Perfluorododecanesulfonic acid (PFDoS)	<0.92		1.9	0.92	ng/L		10/19/21 04:55	10/19/21 23:07	1
Perfluorooctanesulfonamide (FOSA)	<0.93		1.9	0.93	ng/L		10/19/21 04:55	10/19/21 23:07	1
NEtFOSA	<0.83		1.9	0.83	ng/L		10/19/21 04:55	10/19/21 23:07	1
NMeFOSA	<0.41		1.9	0.41	ng/L		10/19/21 04:55	10/19/21 23:07	1
NMeFOSAA	<1.1		4.8	1.1	ng/L		10/19/21 04:55	10/19/21 23:07	1
NEtFOSAA	<1.2		4.8	1.2	ng/L		10/19/21 04:55	10/19/21 23:07	1
NMeFOSE	<1.3		3.8	1.3	ng/L		10/19/21 04:55	10/19/21 23:07	1
NEtFOSE	<0.81		1.9	0.81	ng/L		10/19/21 04:55	10/19/21 23:07	1
4:2 FTS	<0.23		1.9	0.23	ng/L		10/19/21 04:55	10/19/21 23:07	1
6:2 FTS	<2.4		4.8	2.4	ng/L		10/19/21 04:55	10/19/21 23:07	1
8:2 FTS	<0.44		1.9	0.44	ng/L		10/19/21 04:55	10/19/21 23:07	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.38		1.9	0.38	ng/L		10/19/21 04:55	10/19/21 23:07	1
HFPO-DA (GenX)	<1.4		3.8	1.4	ng/L		10/19/21 04:55	10/19/21 23:07	1
9Cl-PF3ONS	<0.23		1.9	0.23	ng/L		10/19/21 04:55	10/19/21 23:07	1
11Cl-PF3OUdS	<0.30		1.9	0.30	ng/L		10/19/21 04:55	10/19/21 23:07	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*85*		*25 - 150*	*10/19/21 04:55*	*10/19/21 23:07*	*1*
13C5 PFPeA	*95*		*25 - 150*	*10/19/21 04:55*	*10/19/21 23:07*	*1*
13C2 PFHxA	*97*		*25 - 150*	*10/19/21 04:55*	*10/19/21 23:07*	*1*
13C4 PFHpA	*95*		*25 - 150*	*10/19/21 04:55*	*10/19/21 23:07*	*1*
13C4 PFOA	*98*		*25 - 150*	*10/19/21 04:55*	*10/19/21 23:07*	*1*
13C5 PFNA	*104*		*25 - 150*	*10/19/21 04:55*	*10/19/21 23:07*	*1*
13C2 PFDA	*97*		*25 - 150*	*10/19/21 04:55*	*10/19/21 23:07*	*1*
13C2 PFUnA	*93*		*25 - 150*	*10/19/21 04:55*	*10/19/21 23:07*	*1*
13C2 PFDoA	*91*		*25 - 150*	*10/19/21 04:55*	*10/19/21 23:07*	*1*
13C2 PFTeDA	*90*		*25 - 150*	*10/19/21 04:55*	*10/19/21 23:07*	*1*
13C3 PFBS	*95*		*25 - 150*	*10/19/21 04:55*	*10/19/21 23:07*	*1*
18O2 PFHxS	*93*		*25 - 150*	*10/19/21 04:55*	*10/19/21 23:07*	*1*
13C4 PFOS	*90*		*25 - 150*	*10/19/21 04:55*	*10/19/21 23:07*	*1*
13C8 FOSA	*91*		*10 - 150*	*10/19/21 04:55*	*10/19/21 23:07*	*1*
d3-NMeFOSAA	*87*		*25 - 150*	*10/19/21 04:55*	*10/19/21 23:07*	*1*

Client: Ramboll US Corporation
Job ID: 500-206977-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: MW-12
Date Collected: 10/13/21 14:07
Date Received: 10/16/21 11:30

Lab Sample ID: 500-206977-5
Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	88		25 - 150	10/19/21 04:55	10/19/21 23:07	1
d-N-MeFOSA-M	78		10 - 150	10/19/21 04:55	10/19/21 23:07	1
d-N-EtFOSA-M	80		10 - 150	10/19/21 04:55	10/19/21 23:07	1
d7-N-MeFOSE-M	84		10 - 150	10/19/21 04:55	10/19/21 23:07	1
d9-N-EtFOSE-M	86		10 - 150	10/19/21 04:55	10/19/21 23:07	1
M2-4:2 FTS	125		25 - 150	10/19/21 04:55	10/19/21 23:07	1
M2-6:2 FTS	110		25 - 150	10/19/21 04:55	10/19/21 23:07	1
M2-8:2 FTS	112		25 - 150	10/19/21 04:55	10/19/21 23:07	1
13C3 HFPO-DA	96		25 - 150	10/19/21 04:55	10/19/21 23:07	1
13C2 10:2 FTS	102		25 - 150	10/19/21 04:55	10/19/21 23:07	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.49**	**J**	1.0	0.23	ug/L		10/21/21 09:54	10/21/21 18:32	1
Barium	**38**		2.5	0.73	ug/L		10/21/21 09:54	10/21/21 18:32	1
Cadmium	<0.17		0.50	0.17	ug/L		10/21/21 09:54	10/21/21 18:32	1
Chromium	<1.1		5.0	1.1	ug/L		10/21/21 09:54	10/21/21 18:32	1
Lead	<0.19		0.50	0.19	ug/L		10/21/21 09:54	10/21/21 18:32	1
Selenium	<0.98		2.5	0.98	ug/L		10/21/21 09:54	10/21/21 18:32	1
Silver	<0.12		0.50	0.12	ug/L		10/21/21 09:54	10/21/21 18:32	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.098		0.20	0.098	ug/L		10/22/21 10:25	10/25/21 08:36	1

Client: Ramboll US Corporation
Project/Site: Former Mirro 20 - Chilton 1690019558

Job ID: 500-206977-1

Client Sample ID: PZ-12

Date Collected: 10/13/21 15:20
Date Received: 10/16/21 11:30

Lab Sample ID: 500-206977-6

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			10/27/21 04:32	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/27/21 04:32	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/27/21 04:32	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			10/27/21 04:32	1
Bromoform	<0.48		1.0	0.48	ug/L			10/27/21 04:32	1
Bromomethane	<0.80		3.0	0.80	ug/L			10/27/21 04:32	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			10/27/21 04:32	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/27/21 04:32	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/27/21 04:32	1
Chloroethane	<0.51		1.0	0.51	ug/L			10/27/21 04:32	1
Chloroform	<0.37		2.0	0.37	ug/L			10/27/21 04:32	1
Chloromethane	<0.32		1.0	0.32	ug/L			10/27/21 04:32	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/27/21 04:32	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/27/21 04:32	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			10/27/21 04:32	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/27/21 04:32	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			10/27/21 04:32	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			10/27/21 04:32	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			10/27/21 04:32	1
Dibromomethane	<0.27		1.0	0.27	ug/L			10/27/21 04:32	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/27/21 04:32	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/27/21 04:32	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/27/21 04:32	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			10/27/21 04:32	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/27/21 04:32	1
1,2-Dichloroethane	**1.3**		1.0	0.39	ug/L			10/27/21 04:32	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			10/27/21 04:32	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			10/27/21 04:32	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/27/21 04:32	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			10/27/21 04:32	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			10/27/21 04:32	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			10/27/21 04:32	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/27/21 04:32	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/27/21 04:32	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			10/27/21 04:32	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			10/27/21 04:32	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			10/27/21 04:32	1
Naphthalene	**0.65**	**J B**	1.0	0.34	ug/L			10/27/21 04:32	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/27/21 04:32	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/27/21 04:32	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/27/21 04:32	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			10/27/21 04:32	1
Styrene	<0.39		1.0	0.39	ug/L			10/27/21 04:32	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/27/21 04:32	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			10/27/21 04:32	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			10/27/21 04:32	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			10/27/21 04:32	1
Toluene	<0.15		0.50	0.15	ug/L			10/27/21 04:32	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			10/27/21 04:32	1

Client: Ramboll US Corporation
Job ID: 500-206977-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: PZ-12
Lab Sample ID: 500-206977-6
Date Collected: 10/13/21 15:20
Matrix: Water
Date Received: 10/16/21 11:30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/27/21 04:32	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			10/27/21 04:32	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/27/21 04:32	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			10/27/21 04:32	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			10/27/21 04:32	1
Trichloroethene	<0.16		0.50	0.16	ug/L			10/27/21 04:32	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			10/27/21 04:32	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			10/27/21 04:32	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/27/21 04:32	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/27/21 04:32	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			10/27/21 04:32	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			10/27/21 04:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*72 - 124*		*10/27/21 04:32*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 120*		*10/27/21 04:32*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*75 - 126*		*10/27/21 04:32*	*1*
Toluene-d8 (Surr)	*98*		*75 - 120*		*10/27/21 04:32*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.25		0.82	0.25	ug/L		10/18/21 06:31	10/20/21 18:03	1
Acenaphthylene	<0.22		0.82	0.22	ug/L		10/18/21 06:31	10/20/21 18:03	1
Anthracene	<0.27		0.82	0.27	ug/L		10/18/21 06:31	10/20/21 18:03	1
Benzo[a]anthracene	<0.047		0.16	0.047	ug/L		10/18/21 06:31	10/20/21 18:03	1
Benzo[a]pyrene	<0.081		0.16	0.081	ug/L		10/18/21 06:31	10/20/21 18:03	1
Benzo[b]fluoranthene	<0.066		0.16	0.066	ug/L		10/18/21 06:31	10/20/21 18:03	1
Benzo[g,h,i]perylene	<0.31		0.82	0.31	ug/L		10/18/21 06:31	10/20/21 18:03	1
Benzo[k]fluoranthene	<0.053		0.16	0.053	ug/L		10/18/21 06:31	10/20/21 18:03	1
Chrysene	<0.056		0.16	0.056	ug/L		10/18/21 06:31	10/20/21 18:03	1
Dibenz(a,h)anthracene	<0.042		0.25	0.042	ug/L		10/18/21 06:31	10/20/21 18:03	1
Fluoranthene	<0.37		0.82	0.37	ug/L		10/18/21 06:31	10/20/21 18:03	1
Fluorene	<0.20		0.82	0.20	ug/L		10/18/21 06:31	10/20/21 18:03	1
Indeno[1,2,3-cd]pyrene	<0.061		0.16	0.061	ug/L		10/18/21 06:31	10/20/21 18:03	1
Naphthalene	<0.25		0.82	0.25	ug/L		10/18/21 06:31	10/20/21 18:03	1
Phenanthrene	<0.25		0.82	0.25	ug/L		10/18/21 06:31	10/20/21 18:03	1
Pyrene	<0.35		0.82	0.35	ug/L		10/18/21 06:31	10/20/21 18:03	1
1-Methylnaphthalene	<0.25		1.6	0.25	ug/L		10/18/21 06:31	10/20/21 18:03	1
2-Methylnaphthalene	<0.054		1.6	0.054	ug/L		10/18/21 06:31	10/20/21 18:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*75*		*36 - 120*	*10/18/21 06:31*	*10/20/21 18:03*	*1*
Terphenyl-d14 (Surr)	*97*		*40 - 145*	*10/18/21 06:31*	*10/20/21 18:03*	*1*
2-Fluorobiphenyl (Surr)	*70*		*34 - 110*	*10/18/21 06:31*	*10/20/21 18:03*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.3		4.8	2.3	ng/L		10/19/21 04:55	10/19/21 23:17	1
Perfluoropentanoic acid (PFPeA)	<0.47		1.9	0.47	ng/L		10/19/21 04:55	10/19/21 23:17	1
Perfluorohexanoic acid (PFHxA)	<0.55		1.9	0.55	ng/L		10/19/21 04:55	10/19/21 23:17	1

Client: Ramboll US Corporation
Project/Site: Former Mirro 20 - Chilton 1690019558

Job ID: 500-206977-1

Client Sample ID: PZ-12
Date Collected: 10/13/21 15:20
Date Received: 10/16/21 11:30

Lab Sample ID: 500-206977-6
Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoroheptanoic acid (PFHpA)	<0.24		1.9	0.24	ng/L		10/19/21 04:55	10/19/21 23:17	1
Perfluorooctanoic acid (PFOA)	<0.81		1.9	0.81	ng/L		10/19/21 04:55	10/19/21 23:17	1
Perfluorononanoic acid (PFNA)	<0.26		1.9	0.26	ng/L		10/19/21 04:55	10/19/21 23:17	1
Perfluorodecanoic acid (PFDA)	<0.29		1.9	0.29	ng/L		10/19/21 04:55	10/19/21 23:17	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		10/19/21 04:55	10/19/21 23:17	1
Perfluorododecanoic acid (PFDoA)	<0.52		1.9	0.52	ng/L		10/19/21 04:55	10/19/21 23:17	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.9	1.2	ng/L		10/19/21 04:55	10/19/21 23:17	1
Perfluorotetradecanoic acid (PFTeA)	<0.69		1.9	0.69	ng/L		10/19/21 04:55	10/19/21 23:17	1
Perfluorobutanesulfonic acid (PFBS)	<0.19		1.9	0.19	ng/L		10/19/21 04:55	10/19/21 23:17	1
Perfluoropentanesulfonic acid (PFPeS)	<0.29		1.9	0.29	ng/L		10/19/21 04:55	10/19/21 23:17	1
Perfluorohexanesulfonic acid (PFHxS)	<0.54		1.9	0.54	ng/L		10/19/21 04:55	10/19/21 23:17	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.18		1.9	0.18	ng/L		10/19/21 04:55	10/19/21 23:17	1
Perfluorooctanesulfonic acid (PFOS)	<0.51		1.9	0.51	ng/L		10/19/21 04:55	10/19/21 23:17	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		10/19/21 04:55	10/19/21 23:17	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		10/19/21 04:55	10/19/21 23:17	1
Perfluorododecanesulfonic acid (PFDoS)	<0.92		1.9	0.92	ng/L		10/19/21 04:55	10/19/21 23:17	1
Perfluorooctanesulfonamide (FOSA)	<0.93		1.9	0.93	ng/L		10/19/21 04:55	10/19/21 23:17	1
NEtFOSA	<0.83		1.9	0.83	ng/L		10/19/21 04:55	10/19/21 23:17	1
NMeFOSA	<0.41		1.9	0.41	ng/L		10/19/21 04:55	10/19/21 23:17	1
NMeFOSAA	<1.1		4.8	1.1	ng/L		10/19/21 04:55	10/19/21 23:17	1
NEtFOSAA	<1.2		4.8	1.2	ng/L		10/19/21 04:55	10/19/21 23:17	1
NMeFOSE	<1.3		3.8	1.3	ng/L		10/19/21 04:55	10/19/21 23:17	1
NEtFOSE	<0.81		1.9	0.81	ng/L		10/19/21 04:55	10/19/21 23:17	1
4:2 FTS	<0.23		1.9	0.23	ng/L		10/19/21 04:55	10/19/21 23:17	1
6:2 FTS	<2.4		4.8	2.4	ng/L		10/19/21 04:55	10/19/21 23:17	1
8:2 FTS	<0.44		1.9	0.44	ng/L		10/19/21 04:55	10/19/21 23:17	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.38		1.9	0.38	ng/L		10/19/21 04:55	10/19/21 23:17	1
HFPO-DA (GenX)	<1.4		3.8	1.4	ng/L		10/19/21 04:55	10/19/21 23:17	1
9Cl-PF3ONS	<0.23		1.9	0.23	ng/L		10/19/21 04:55	10/19/21 23:17	1
11Cl-PF3OUdS	<0.30		1.9	0.30	ng/L		10/19/21 04:55	10/19/21 23:17	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*86*		*25 - 150*	*10/19/21 04:55*	*10/19/21 23:17*	*1*
13C5 PFPeA	*100*		*25 - 150*	*10/19/21 04:55*	*10/19/21 23:17*	*1*
13C2 PFHxA	*98*		*25 - 150*	*10/19/21 04:55*	*10/19/21 23:17*	*1*
13C4 PFHpA	*97*		*25 - 150*	*10/19/21 04:55*	*10/19/21 23:17*	*1*
13C4 PFOA	*95*		*25 - 150*	*10/19/21 04:55*	*10/19/21 23:17*	*1*
13C5 PFNA	*102*		*25 - 150*	*10/19/21 04:55*	*10/19/21 23:17*	*1*
13C2 PFDA	*96*		*25 - 150*	*10/19/21 04:55*	*10/19/21 23:17*	*1*
13C2 PFUnA	*95*		*25 - 150*	*10/19/21 04:55*	*10/19/21 23:17*	*1*
13C2 PFDoA	*97*		*25 - 150*	*10/19/21 04:55*	*10/19/21 23:17*	*1*
13C2 PFTeDA	*97*		*25 - 150*	*10/19/21 04:55*	*10/19/21 23:17*	*1*
13C3 PFBS	*89*		*25 - 150*	*10/19/21 04:55*	*10/19/21 23:17*	*1*
18O2 PFHxS	*90*		*25 - 150*	*10/19/21 04:55*	*10/19/21 23:17*	*1*
13C4 PFOS	*90*		*25 - 150*	*10/19/21 04:55*	*10/19/21 23:17*	*1*
13C8 FOSA	*92*		*10 - 150*	*10/19/21 04:55*	*10/19/21 23:17*	*1*
d3-NMeFOSAA	*94*		*25 - 150*	*10/19/21 04:55*	*10/19/21 23:17*	*1*

Client: Ramboll US Corporation
Job ID: 500-206977-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: PZ-12
Date Collected: 10/13/21 15:20
Date Received: 10/16/21 11:30

Lab Sample ID: 500-206977-6
Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	90		25 - 150	10/19/21 04:55	10/19/21 23:17	1
d-N-MeFOSA-M	82		10 - 150	10/19/21 04:55	10/19/21 23:17	1
d-N-EtFOSA-M	82		10 - 150	10/19/21 04:55	10/19/21 23:17	1
d7-N-MeFOSE-M	88		10 - 150	10/19/21 04:55	10/19/21 23:17	1
d9-N-EtFOSE-M	92		10 - 150	10/19/21 04:55	10/19/21 23:17	1
M2-4:2 FTS	117		25 - 150	10/19/21 04:55	10/19/21 23:17	1
M2-6:2 FTS	111		25 - 150	10/19/21 04:55	10/19/21 23:17	1
M2-8:2 FTS	103		25 - 150	10/19/21 04:55	10/19/21 23:17	1
13C3 HFPO-DA	95		25 - 150	10/19/21 04:55	10/19/21 23:17	1
13C2 10:2 FTS	115		25 - 150	10/19/21 04:55	10/19/21 23:17	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**2.2**		1.0	0.23	ug/L		10/21/21 09:54	10/21/21 18:35	1
Barium	**67**		2.5	0.73	ug/L		10/21/21 09:54	10/21/21 18:35	1
Cadmium	<0.17		0.50	0.17	ug/L		10/21/21 09:54	10/21/21 18:35	1
Chromium	<1.1		5.0	1.1	ug/L		10/21/21 09:54	10/21/21 18:35	1
Lead	**0.34**	**J**	0.50	0.19	ug/L		10/21/21 09:54	10/21/21 18:35	1
Selenium	<0.98		2.5	0.98	ug/L		10/21/21 09:54	10/21/21 18:35	1
Silver	<0.12		0.50	0.12	ug/L		10/21/21 09:54	10/21/21 18:35	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.098		0.20	0.098	ug/L		10/22/21 10:25	10/25/21 08:39	1

Client: Ramboll US Corporation
Project/Site: Former Mirro 20 - Chilton 1690019558

Job ID: 500-206977-1

Client Sample ID: PZ-12 DUP

Date Collected: 10/13/21 15:20
Date Received: 10/16/21 11:30

Lab Sample ID: 500-206977-7

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			10/27/21 04:54	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/27/21 04:54	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/27/21 04:54	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			10/27/21 04:54	1
Bromoform	<0.48		1.0	0.48	ug/L			10/27/21 04:54	1
Bromomethane	<0.80		3.0	0.80	ug/L			10/27/21 04:54	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			10/27/21 04:54	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/27/21 04:54	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/27/21 04:54	1
Chloroethane	<0.51		1.0	0.51	ug/L			10/27/21 04:54	1
Chloroform	<0.37		2.0	0.37	ug/L			10/27/21 04:54	1
Chloromethane	<0.32		1.0	0.32	ug/L			10/27/21 04:54	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/27/21 04:54	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/27/21 04:54	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			10/27/21 04:54	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/27/21 04:54	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			10/27/21 04:54	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			10/27/21 04:54	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			10/27/21 04:54	1
Dibromomethane	<0.27		1.0	0.27	ug/L			10/27/21 04:54	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/27/21 04:54	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/27/21 04:54	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/27/21 04:54	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			10/27/21 04:54	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/27/21 04:54	1
1,2-Dichloroethane	**1.2**		1.0	0.39	ug/L			10/27/21 04:54	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			10/27/21 04:54	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			10/27/21 04:54	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/27/21 04:54	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			10/27/21 04:54	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			10/27/21 04:54	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			10/27/21 04:54	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/27/21 04:54	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/27/21 04:54	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			10/27/21 04:54	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			10/27/21 04:54	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			10/27/21 04:54	1
Naphthalene	**0.66**	**J B**	1.0	0.34	ug/L			10/27/21 04:54	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/27/21 04:54	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/27/21 04:54	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/27/21 04:54	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			10/27/21 04:54	1
Styrene	<0.39		1.0	0.39	ug/L			10/27/21 04:54	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/27/21 04:54	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			10/27/21 04:54	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			10/27/21 04:54	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			10/27/21 04:54	1
Toluene	<0.15		0.50	0.15	ug/L			10/27/21 04:54	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			10/27/21 04:54	1

Client: Ramboll US Corporation
Job ID: 500-206977-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: PZ-12 DUP
Lab Sample ID: 500-206977-7
Date Collected: 10/13/21 15:20
Matrix: Water
Date Received: 10/16/21 11:30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/27/21 04:54	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			10/27/21 04:54	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/27/21 04:54	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			10/27/21 04:54	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			10/27/21 04:54	1
Trichloroethene	<0.16		0.50	0.16	ug/L			10/27/21 04:54	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			10/27/21 04:54	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			10/27/21 04:54	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/27/21 04:54	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/27/21 04:54	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			10/27/21 04:54	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			10/27/21 04:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*72 - 124*		*10/27/21 04:54*	*1*
Dibromofluoromethane (Surr)	*97*		*75 - 120*		*10/27/21 04:54*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*75 - 126*		*10/27/21 04:54*	*1*
Toluene-d8 (Surr)	*99*		*75 - 120*		*10/27/21 04:54*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.27		0.88	0.27	ug/L		10/18/21 06:31	10/20/21 18:27	1
Acenaphthylene	<0.24		0.88	0.24	ug/L		10/18/21 06:31	10/20/21 18:27	1
Anthracene	<0.30		0.88	0.30	ug/L		10/18/21 06:31	10/20/21 18:27	1
Benzo[a]anthracene	<0.050		0.18	0.050	ug/L		10/18/21 06:31	10/20/21 18:27	1
Benzo[a]pyrene	<0.087		0.18	0.087	ug/L		10/18/21 06:31	10/20/21 18:27	1
Benzo[b]fluoranthene	<0.071		0.18	0.071	ug/L		10/18/21 06:31	10/20/21 18:27	1
Benzo[g,h,i]perylene	<0.33		0.88	0.33	ug/L		10/18/21 06:31	10/20/21 18:27	1
Benzo[k]fluoranthene	<0.057		0.18	0.057	ug/L		10/18/21 06:31	10/20/21 18:27	1
Chrysene	<0.060		0.18	0.060	ug/L		10/18/21 06:31	10/20/21 18:27	1
Dibenz(a,h)anthracene	<0.045		0.27	0.045	ug/L		10/18/21 06:31	10/20/21 18:27	1
Fluoranthene	<0.40		0.88	0.40	ug/L		10/18/21 06:31	10/20/21 18:27	1
Fluorene	<0.22		0.88	0.22	ug/L		10/18/21 06:31	10/20/21 18:27	1
Indeno[1,2,3-cd]pyrene	<0.066		0.18	0.066	ug/L		10/18/21 06:31	10/20/21 18:27	1
Naphthalene	<0.27		0.88	0.27	ug/L		10/18/21 06:31	10/20/21 18:27	1
Phenanthrene	<0.27		0.88	0.27	ug/L		10/18/21 06:31	10/20/21 18:27	1
Pyrene	<0.38		0.88	0.38	ug/L		10/18/21 06:31	10/20/21 18:27	1
1-Methylnaphthalene	<0.27		1.8	0.27	ug/L		10/18/21 06:31	10/20/21 18:27	1
2-Methylnaphthalene	<0.058		1.8	0.058	ug/L		10/18/21 06:31	10/20/21 18:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*72*		*36 - 120*	*10/18/21 06:31*	*10/20/21 18:27*	*1*
Terphenyl-d14 (Surr)	*93*		*40 - 145*	*10/18/21 06:31*	*10/20/21 18:27*	*1*
2-Fluorobiphenyl (Surr)	*70*		*34 - 110*	*10/18/21 06:31*	*10/20/21 18:27*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.2		4.7	2.2	ng/L		10/19/21 04:55	10/19/21 23:27	1
Perfluoropentanoic acid (PFPeA)	<0.46		1.9	0.46	ng/L		10/19/21 04:55	10/19/21 23:27	1
Perfluorohexanoic acid (PFHxA)	<0.54		1.9	0.54	ng/L		10/19/21 04:55	10/19/21 23:27	1

Client: Ramboll US Corporation
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Job ID: 500-206977-1

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Date Received: 10/16/21 11:30

Lab Sample ID: 500-206977-7

Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoroheptanoic acid (PFHpA)	<0.23		1.9	0.23	ng/L		10/19/21 04:55	10/19/21 23:27	1
Perfluorooctanoic acid (PFOA)	<0.79		1.9	0.79	ng/L		10/19/21 04:55	10/19/21 23:27	1
Perfluorononanoic acid (PFNA)	<0.25		1.9	0.25	ng/L		10/19/21 04:55	10/19/21 23:27	1
Perfluorodecanoic acid (PFDA)	<0.29		1.9	0.29	ng/L		10/19/21 04:55	10/19/21 23:27	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		10/19/21 04:55	10/19/21 23:27	1
Perfluorododecanoic acid (PFDoA)	<0.51		1.9	0.51	ng/L		10/19/21 04:55	10/19/21 23:27	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.9	1.2	ng/L		10/19/21 04:55	10/19/21 23:27	1
Perfluorotetradecanoic acid (PFTeA)	<0.68		1.9	0.68	ng/L		10/19/21 04:55	10/19/21 23:27	1
Perfluorobutanesulfonic acid (PFBS)	<0.19		1.9	0.19	ng/L		10/19/21 04:55	10/19/21 23:27	1
Perfluoropentanesulfonic acid (PFPeS)	<0.28		1.9	0.28	ng/L		10/19/21 04:55	10/19/21 23:27	1
Perfluorohexanesulfonic acid (PFHxS)	<0.53		1.9	0.53	ng/L		10/19/21 04:55	10/19/21 23:27	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.18		1.9	0.18	ng/L		10/19/21 04:55	10/19/21 23:27	1
Perfluorooctanesulfonic acid (PFOS)	<0.50		1.9	0.50	ng/L		10/19/21 04:55	10/19/21 23:27	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		10/19/21 04:55	10/19/21 23:27	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		10/19/21 04:55	10/19/21 23:27	1
Perfluorododecanesulfonic acid (PFDoS)	<0.91		1.9	0.91	ng/L		10/19/21 04:55	10/19/21 23:27	1
Perfluorooctanesulfonamide (FOSA)	<0.91		1.9	0.91	ng/L		10/19/21 04:55	10/19/21 23:27	1
NEtFOSA	<0.81		1.9	0.81	ng/L		10/19/21 04:55	10/19/21 23:27	1
NMeFOSA	<0.40		1.9	0.40	ng/L		10/19/21 04:55	10/19/21 23:27	1
NMeFOSAA	<1.1		4.7	1.1	ng/L		10/19/21 04:55	10/19/21 23:27	1
NEtFOSAA	<1.2		4.7	1.2	ng/L		10/19/21 04:55	10/19/21 23:27	1
NMeFOSE	<1.3		3.7	1.3	ng/L		10/19/21 04:55	10/19/21 23:27	1
NEtFOSE	<0.79		1.9	0.79	ng/L		10/19/21 04:55	10/19/21 23:27	1
4:2 FTS	<0.22		1.9	0.22	ng/L		10/19/21 04:55	10/19/21 23:27	1
6:2 FTS	<2.3		4.7	2.3	ng/L		10/19/21 04:55	10/19/21 23:27	1
8:2 FTS	<0.43		1.9	0.43	ng/L		10/19/21 04:55	10/19/21 23:27	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.37		1.9	0.37	ng/L		10/19/21 04:55	10/19/21 23:27	1
HFPO-DA (GenX)	<1.4		3.7	1.4	ng/L		10/19/21 04:55	10/19/21 23:27	1
9Cl-PF3ONS	<0.22		1.9	0.22	ng/L		10/19/21 04:55	10/19/21 23:27	1
11Cl-PF3OUdS	<0.30		1.9	0.30	ng/L		10/19/21 04:55	10/19/21 23:27	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*87*		*25 - 150*	*10/19/21 04:55*	*10/19/21 23:27*	*1*
13C5 PFPeA	*98*		*25 - 150*	*10/19/21 04:55*	*10/19/21 23:27*	*1*
13C2 PFHxA	*95*		*25 - 150*	*10/19/21 04:55*	*10/19/21 23:27*	*1*
13C4 PFHpA	*100*		*25 - 150*	*10/19/21 04:55*	*10/19/21 23:27*	*1*
13C4 PFOA	*99*		*25 - 150*	*10/19/21 04:55*	*10/19/21 23:27*	*1*
13C5 PFNA	*103*		*25 - 150*	*10/19/21 04:55*	*10/19/21 23:27*	*1*
13C2 PFDA	*98*		*25 - 150*	*10/19/21 04:55*	*10/19/21 23:27*	*1*
13C2 PFUnA	*96*		*25 - 150*	*10/19/21 04:55*	*10/19/21 23:27*	*1*
13C2 PFDoA	*93*		*25 - 150*	*10/19/21 04:55*	*10/19/21 23:27*	*1*
13C2 PFTeDA	*96*		*25 - 150*	*10/19/21 04:55*	*10/19/21 23:27*	*1*
13C3 PFBS	*93*		*25 - 150*	*10/19/21 04:55*	*10/19/21 23:27*	*1*
18O2 PFHxS	*87*		*25 - 150*	*10/19/21 04:55*	*10/19/21 23:27*	*1*
13C4 PFOS	*89*		*25 - 150*	*10/19/21 04:55*	*10/19/21 23:27*	*1*
13C8 FOSA	*91*		*10 - 150*	*10/19/21 04:55*	*10/19/21 23:27*	*1*
d3-NMeFOSAA	*85*		*25 - 150*	*10/19/21 04:55*	*10/19/21 23:27*	*1*

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Matrix: Water
Date Received: 10/16/21 11:30

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	92		25 - 150	10/19/21 04:55	10/19/21 23:27	1
d-N-MeFOSA-M	83		10 - 150	10/19/21 04:55	10/19/21 23:27	1
d-N-EtFOSA-M	78		10 - 150	10/19/21 04:55	10/19/21 23:27	1
d7-N-MeFOSE-M	90		10 - 150	10/19/21 04:55	10/19/21 23:27	1
d9-N-EtFOSE-M	93		10 - 150	10/19/21 04:55	10/19/21 23:27	1
M2-4:2 FTS	111		25 - 150	10/19/21 04:55	10/19/21 23:27	1
M2-6:2 FTS	107		25 - 150	10/19/21 04:55	10/19/21 23:27	1
M2-8:2 FTS	111		25 - 150	10/19/21 04:55	10/19/21 23:27	1
13C3 HFPO-DA	97		25 - 150	10/19/21 04:55	10/19/21 23:27	1
13C2 10:2 FTS	114		25 - 150	10/19/21 04:55	10/19/21 23:27	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**2.1**		1.0	0.23	ug/L		10/21/21 09:54	10/21/21 18:38	1
Barium	**69**		2.5	0.73	ug/L		10/21/21 09:54	10/21/21 18:38	1
Cadmium	<0.17		0.50	0.17	ug/L		10/21/21 09:54	10/21/21 18:38	1
Chromium	<1.1		5.0	1.1	ug/L		10/21/21 09:54	10/21/21 18:38	1
Lead	**0.34**	**J**	0.50	0.19	ug/L		10/21/21 09:54	10/21/21 18:38	1
Selenium	<0.98		2.5	0.98	ug/L		10/21/21 09:54	10/21/21 18:38	1
Silver	<0.12		0.50	0.12	ug/L		10/21/21 09:54	10/21/21 18:38	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.098		0.20	0.098	ug/L		10/22/21 10:25	10/25/21 08:41	1

Client: Ramboll US Corporation
Project/Site: Former Mirro 20 - Chilton 1690019558

Job ID: 500-206977-1

Client Sample ID: FB-01
Date Collected: 10/13/21 16:15
Date Received: 10/16/21 11:30

Lab Sample ID: 500-206977-8
Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.3		4.7	2.3	ng/L		10/19/21 05:09	10/20/21 04:00	1
Perfluoropentanoic acid (PFPeA)	<0.46		1.9	0.46	ng/L		10/19/21 05:09	10/20/21 04:00	1
Perfluorohexanoic acid (PFHxA)	<0.55		1.9	0.55	ng/L		10/19/21 05:09	10/20/21 04:00	1
Perfluoroheptanoic acid (PFHpA)	<0.24		1.9	0.24	ng/L		10/19/21 05:09	10/20/21 04:00	1
Perfluorooctanoic acid (PFOA)	<0.81		1.9	0.81	ng/L		10/19/21 05:09	10/20/21 04:00	1
Perfluorononanoic acid (PFNA)	<0.26		1.9	0.26	ng/L		10/19/21 05:09	10/20/21 04:00	1
Perfluorodecanoic acid (PFDA)	<0.29		1.9	0.29	ng/L		10/19/21 05:09	10/20/21 04:00	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		10/19/21 05:09	10/20/21 04:00	1
Perfluorododecanoic acid (PFDoA)	<0.52		1.9	0.52	ng/L		10/19/21 05:09	10/20/21 04:00	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.9	1.2	ng/L		10/19/21 05:09	10/20/21 04:00	1
Perfluorotetradecanoic acid (PFTeA)	<0.69		1.9	0.69	ng/L		10/19/21 05:09	10/20/21 04:00	1
Perfluorobutanesulfonic acid (PFBS)	<0.19		1.9	0.19	ng/L		10/19/21 05:09	10/20/21 04:00	1
Perfluoropentanesulfonic acid (PFPeS)	<0.28		1.9	0.28	ng/L		10/19/21 05:09	10/20/21 04:00	1
Perfluorohexanesulfonic acid (PFHxS)	<0.54		1.9	0.54	ng/L		10/19/21 05:09	10/20/21 04:00	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.18		1.9	0.18	ng/L		10/19/21 05:09	10/20/21 04:00	1
Perfluorooctanesulfonic acid (PFOS)	<0.51		1.9	0.51	ng/L		10/19/21 05:09	10/20/21 04:00	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		10/19/21 05:09	10/20/21 04:00	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		10/19/21 05:09	10/20/21 04:00	1
Perfluorododecanesulfonic acid (PFDoS)	<0.92		1.9	0.92	ng/L		10/19/21 05:09	10/20/21 04:00	1
Perfluorooctanesulfonamide (FOSA)	<0.93		1.9	0.93	ng/L		10/19/21 05:09	10/20/21 04:00	1
NEtFOSA	<0.82		1.9	0.82	ng/L		10/19/21 05:09	10/20/21 04:00	1
NMeFOSA	<0.41		1.9	0.41	ng/L		10/19/21 05:09	10/20/21 04:00	1
NMeFOSAA	<1.1		4.7	1.1	ng/L		10/19/21 05:09	10/20/21 04:00	1
NEtFOSAA	<1.2		4.7	1.2	ng/L		10/19/21 05:09	10/20/21 04:00	1
NMeFOSE	<1.3		3.8	1.3	ng/L		10/19/21 05:09	10/20/21 04:00	1
NEtFOSE	<0.81		1.9	0.81	ng/L		10/19/21 05:09	10/20/21 04:00	1
4:2 FTS	<0.23		1.9	0.23	ng/L		10/19/21 05:09	10/20/21 04:00	1
6:2 FTS	<2.4		4.7	2.4	ng/L		10/19/21 05:09	10/20/21 04:00	1
8:2 FTS	<0.44		1.9	0.44	ng/L		10/19/21 05:09	10/20/21 04:00	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.38		1.9	0.38	ng/L		10/19/21 05:09	10/20/21 04:00	1
HFPO-DA (GenX)	<1.4		3.8	1.4	ng/L		10/19/21 05:09	10/20/21 04:00	1
9Cl-PF3ONS	<0.23		1.9	0.23	ng/L		10/19/21 05:09	10/20/21 04:00	1
11Cl-PF3OUdS	<0.30		1.9	0.30	ng/L		10/19/21 05:09	10/20/21 04:00	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*95*		*25 - 150*	*10/19/21 05:09*	*10/20/21 04:00*	*1*
13C5 PFPeA	*105*		*25 - 150*	*10/19/21 05:09*	*10/20/21 04:00*	*1*
13C2 PFHxA	*100*		*25 - 150*	*10/19/21 05:09*	*10/20/21 04:00*	*1*
13C4 PFHpA	*100*		*25 - 150*	*10/19/21 05:09*	*10/20/21 04:00*	*1*
13C4 PFOA	*105*		*25 - 150*	*10/19/21 05:09*	*10/20/21 04:00*	*1*
13C5 PFNA	*105*		*25 - 150*	*10/19/21 05:09*	*10/20/21 04:00*	*1*
13C2 PFDA	*103*		*25 - 150*	*10/19/21 05:09*	*10/20/21 04:00*	*1*
13C2 PFUnA	*95*		*25 - 150*	*10/19/21 05:09*	*10/20/21 04:00*	*1*
13C2 PFDoA	*94*		*25 - 150*	*10/19/21 05:09*	*10/20/21 04:00*	*1*
13C2 PFTeDA	*98*		*25 - 150*	*10/19/21 05:09*	*10/20/21 04:00*	*1*
13C3 PFBS	*101*		*25 - 150*	*10/19/21 05:09*	*10/20/21 04:00*	*1*
18O2 PFHxS	*100*		*25 - 150*	*10/19/21 05:09*	*10/20/21 04:00*	*1*

Client: Ramboll US Corporation
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Client Sample ID: FB-01
Lab Sample ID: 500-206977-8
Date Collected: 10/13/21 16:15
Matrix: Water
Date Received: 10/16/21 11:30

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFOS	104		25 - 150	10/19/21 05:09	10/20/21 04:00	1
13C8 FOSA	96		10 - 150	10/19/21 05:09	10/20/21 04:00	1
d3-NMeFOSAA	94		25 - 150	10/19/21 05:09	10/20/21 04:00	1
d5-NEtFOSAA	102		25 - 150	10/19/21 05:09	10/20/21 04:00	1
d-N-MeFOSA-M	69		10 - 150	10/19/21 05:09	10/20/21 04:00	1
d-N-EtFOSA-M	73		10 - 150	10/19/21 05:09	10/20/21 04:00	1
d7-N-MeFOSE-M	85		10 - 150	10/19/21 05:09	10/20/21 04:00	1
d9-N-EtFOSE-M	93		10 - 150	10/19/21 05:09	10/20/21 04:00	1
M2-4:2 FTS	119		25 - 150	10/19/21 05:09	10/20/21 04:00	1
M2-6:2 FTS	118		25 - 150	10/19/21 05:09	10/20/21 04:00	1
M2-8:2 FTS	122		25 - 150	10/19/21 05:09	10/20/21 04:00	1
13C3 HFPO-DA	102		25 - 150	10/19/21 05:09	10/20/21 04:00	1
13C2 10:2 FTS	111		25 - 150	10/19/21 05:09	10/20/21 04:00	1

Client: Ramboll US Corporation
Project/Site: Former Mirro 20 - Chilton 1690019558

Job ID: 500-206977-1

Client Sample ID: EB-01
Date Collected: 10/13/21 16:30
Date Received: 10/16/21 11:30

Lab Sample ID: 500-206977-9
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			10/27/21 05:16	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/27/21 05:16	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/27/21 05:16	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			10/27/21 05:16	1
Bromoform	<0.48		1.0	0.48	ug/L			10/27/21 05:16	1
Bromomethane	<0.80		3.0	0.80	ug/L			10/27/21 05:16	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			10/27/21 05:16	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/27/21 05:16	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/27/21 05:16	1
Chloroethane	<0.51		1.0	0.51	ug/L			10/27/21 05:16	1
Chloroform	<0.37		2.0	0.37	ug/L			10/27/21 05:16	1
Chloromethane	<0.32		1.0	0.32	ug/L			10/27/21 05:16	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/27/21 05:16	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/27/21 05:16	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			10/27/21 05:16	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/27/21 05:16	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			10/27/21 05:16	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			10/27/21 05:16	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			10/27/21 05:16	1
Dibromomethane	<0.27		1.0	0.27	ug/L			10/27/21 05:16	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/27/21 05:16	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/27/21 05:16	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/27/21 05:16	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			10/27/21 05:16	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/27/21 05:16	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			10/27/21 05:16	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			10/27/21 05:16	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			10/27/21 05:16	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/27/21 05:16	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			10/27/21 05:16	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			10/27/21 05:16	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			10/27/21 05:16	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/27/21 05:16	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/27/21 05:16	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			10/27/21 05:16	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			10/27/21 05:16	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			10/27/21 05:16	1
Naphthalene	**0.56**	**J B**	1.0	0.34	ug/L			10/27/21 05:16	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/27/21 05:16	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/27/21 05:16	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/27/21 05:16	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			10/27/21 05:16	1
Styrene	<0.39		1.0	0.39	ug/L			10/27/21 05:16	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/27/21 05:16	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			10/27/21 05:16	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			10/27/21 05:16	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			10/27/21 05:16	1
Toluene	<0.15		0.50	0.15	ug/L			10/27/21 05:16	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			10/27/21 05:16	1

Client: Ramboll US Corporation
Job ID: 500-206977-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: EB-01
Lab Sample ID: 500-206977-9
Date Collected: 10/13/21 16:30
Matrix: Water
Date Received: 10/16/21 11:30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/27/21 05:16	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			10/27/21 05:16	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/27/21 05:16	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			10/27/21 05:16	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			10/27/21 05:16	1
Trichloroethene	<0.16		0.50	0.16	ug/L			10/27/21 05:16	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			10/27/21 05:16	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			10/27/21 05:16	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/27/21 05:16	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/27/21 05:16	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			10/27/21 05:16	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			10/27/21 05:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*72 - 124*		*10/27/21 05:16*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 120*		*10/27/21 05:16*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 126*		*10/27/21 05:16*	*1*
Toluene-d8 (Surr)	*96*		*75 - 120*		*10/27/21 05:16*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.25		0.82	0.25	ug/L		10/18/21 06:31	10/20/21 18:51	1
Acenaphthylene	<0.22		0.82	0.22	ug/L		10/18/21 06:31	10/20/21 18:51	1
Anthracene	<0.28		0.82	0.28	ug/L		10/18/21 06:31	10/20/21 18:51	1
Benzo[a]anthracene	<0.047		0.16	0.047	ug/L		10/18/21 06:31	10/20/21 18:51	1
Benzo[a]pyrene	<0.082		0.16	0.082	ug/L		10/18/21 06:31	10/20/21 18:51	1
Benzo[b]fluoranthene	<0.066		0.16	0.066	ug/L		10/18/21 06:31	10/20/21 18:51	1
Benzo[g,h,i]perylene	<0.31		0.82	0.31	ug/L		10/18/21 06:31	10/20/21 18:51	1
Benzo[k]fluoranthene	<0.053		0.16	0.053	ug/L		10/18/21 06:31	10/20/21 18:51	1
Chrysene	<0.056		0.16	0.056	ug/L		10/18/21 06:31	10/20/21 18:51	1
Dibenz(a,h)anthracene	<0.042		0.25	0.042	ug/L		10/18/21 06:31	10/20/21 18:51	1
Fluoranthene	<0.37		0.82	0.37	ug/L		10/18/21 06:31	10/20/21 18:51	1
Fluorene	<0.20		0.82	0.20	ug/L		10/18/21 06:31	10/20/21 18:51	1
Indeno[1,2,3-cd]pyrene	<0.062		0.16	0.062	ug/L		10/18/21 06:31	10/20/21 18:51	1
Naphthalene	<0.25		0.82	0.25	ug/L		10/18/21 06:31	10/20/21 18:51	1
Phenanthrene	<0.25		0.82	0.25	ug/L		10/18/21 06:31	10/20/21 18:51	1
Pyrene	<0.35		0.82	0.35	ug/L		10/18/21 06:31	10/20/21 18:51	1
1-Methylnaphthalene	<0.25		1.6	0.25	ug/L		10/18/21 06:31	10/20/21 18:51	1
2-Methylnaphthalene	<0.054		1.6	0.054	ug/L		10/18/21 06:31	10/20/21 18:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*75*		*36 - 120*	*10/18/21 06:31*	*10/20/21 18:51*	*1*
Terphenyl-d14 (Surr)	*92*		*40 - 145*	*10/18/21 06:31*	*10/20/21 18:51*	*1*
2-Fluorobiphenyl (Surr)	*69*		*34 - 110*	*10/18/21 06:31*	*10/20/21 18:51*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.2		4.6	2.2	ng/L		10/19/21 05:09	10/20/21 04:11	1
Perfluoropentanoic acid (PFPeA)	<0.45		1.8	0.45	ng/L		10/19/21 05:09	10/20/21 04:11	1
Perfluorohexanoic acid (PFHxA)	<0.53		1.8	0.53	ng/L		10/19/21 05:09	10/20/21 04:11	1

Client: Ramboll US Corporation
Project/Site: Former Mirro 20 - Chilton 1690019558

Job ID: 500-206977-1

Client Sample ID: EB-01
Date Collected: 10/13/21 16:30
Date Received: 10/16/21 11:30

Lab Sample ID: 500-206977-9
Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoroheptanoic acid (PFHpA)	<0.23		1.8	0.23	ng/L		10/19/21 05:09	10/20/21 04:11	1
Perfluorooctanoic acid (PFOA)	<0.78		1.8	0.78	ng/L		10/19/21 05:09	10/20/21 04:11	1
Perfluorononanoic acid (PFNA)	<0.25		1.8	0.25	ng/L		10/19/21 05:09	10/20/21 04:11	1
Perfluorodecanoic acid (PFDA)	<0.29		1.8	0.29	ng/L		10/19/21 05:09	10/20/21 04:11	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.8	1.0	ng/L		10/19/21 05:09	10/20/21 04:11	1
Perfluorododecanoic acid (PFDoA)	<0.51		1.8	0.51	ng/L		10/19/21 05:09	10/20/21 04:11	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.8	1.2	ng/L		10/19/21 05:09	10/20/21 04:11	1
Perfluorotetradecanoic acid (PFTeA)	<0.67		1.8	0.67	ng/L		10/19/21 05:09	10/20/21 04:11	1
Perfluorobutanesulfonic acid (PFBS)	<0.18		1.8	0.18	ng/L		10/19/21 05:09	10/20/21 04:11	1
Perfluoropentanesulfonic acid (PFPeS)	<0.28		1.8	0.28	ng/L		10/19/21 05:09	10/20/21 04:11	1
Perfluorohexanesulfonic acid (PFHxS)	<0.52		1.8	0.52	ng/L		10/19/21 05:09	10/20/21 04:11	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.17		1.8	0.17	ng/L		10/19/21 05:09	10/20/21 04:11	1
Perfluorooctanesulfonic acid (PFOS)	<0.50		1.8	0.50	ng/L		10/19/21 05:09	10/20/21 04:11	1
Perfluorononanesulfonic acid (PFNS)	<0.34		1.8	0.34	ng/L		10/19/21 05:09	10/20/21 04:11	1
Perfluorodecanesulfonic acid (PFDS)	<0.29		1.8	0.29	ng/L		10/19/21 05:09	10/20/21 04:11	1
Perfluorododecanesulfonic acid (PFDoS)	<0.89		1.8	0.89	ng/L		10/19/21 05:09	10/20/21 04:11	1
Perfluorooctanesulfonamide (FOSA)	<0.90		1.8	0.90	ng/L		10/19/21 05:09	10/20/21 04:11	1
NEtFOSA	<0.80		1.8	0.80	ng/L		10/19/21 05:09	10/20/21 04:11	1
NMeFOSA	<0.40		1.8	0.40	ng/L		10/19/21 05:09	10/20/21 04:11	1
NMeFOSAA	<1.1		4.6	1.1	ng/L		10/19/21 05:09	10/20/21 04:11	1
NEtFOSAA	<1.2		4.6	1.2	ng/L		10/19/21 05:09	10/20/21 04:11	1
NMeFOSE	<1.3		3.7	1.3	ng/L		10/19/21 05:09	10/20/21 04:11	1
NEtFOSE	**0.82**	**J**	1.8	0.78	ng/L		10/19/21 05:09	10/20/21 04:11	1
4:2 FTS	<0.22		1.8	0.22	ng/L		10/19/21 05:09	10/20/21 04:11	1
6:2 FTS	<2.3		4.6	2.3	ng/L		10/19/21 05:09	10/20/21 04:11	1
8:2 FTS	<0.42		1.8	0.42	ng/L		10/19/21 05:09	10/20/21 04:11	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.37		1.8	0.37	ng/L		10/19/21 05:09	10/20/21 04:11	1
HFPO-DA (GenX)	<1.4		3.7	1.4	ng/L		10/19/21 05:09	10/20/21 04:11	1
9Cl-PF3ONS	<0.22		1.8	0.22	ng/L		10/19/21 05:09	10/20/21 04:11	1
11Cl-PF3OUdS	<0.29		1.8	0.29	ng/L		10/19/21 05:09	10/20/21 04:11	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*96*		*25 - 150*	*10/19/21 05:09*	*10/20/21 04:11*	*1*
13C5 PFPeA	*105*		*25 - 150*	*10/19/21 05:09*	*10/20/21 04:11*	*1*
13C2 PFHxA	*98*		*25 - 150*	*10/19/21 05:09*	*10/20/21 04:11*	*1*
13C4 PFHpA	*101*		*25 - 150*	*10/19/21 05:09*	*10/20/21 04:11*	*1*
13C4 PFOA	*102*		*25 - 150*	*10/19/21 05:09*	*10/20/21 04:11*	*1*
13C5 PFNA	*112*		*25 - 150*	*10/19/21 05:09*	*10/20/21 04:11*	*1*
13C2 PFDA	*108*		*25 - 150*	*10/19/21 05:09*	*10/20/21 04:11*	*1*
13C2 PFUnA	*96*		*25 - 150*	*10/19/21 05:09*	*10/20/21 04:11*	*1*
13C2 PFDoA	*94*		*25 - 150*	*10/19/21 05:09*	*10/20/21 04:11*	*1*
13C2 PFTeDA	*95*		*25 - 150*	*10/19/21 05:09*	*10/20/21 04:11*	*1*
13C3 PFBS	*98*		*25 - 150*	*10/19/21 05:09*	*10/20/21 04:11*	*1*
18O2 PFHxS	*96*		*25 - 150*	*10/19/21 05:09*	*10/20/21 04:11*	*1*
13C4 PFOS	*101*		*25 - 150*	*10/19/21 05:09*	*10/20/21 04:11*	*1*
13C8 FOSA	*94*		*10 - 150*	*10/19/21 05:09*	*10/20/21 04:11*	*1*
d3-NMeFOSAA	*92*		*25 - 150*	*10/19/21 05:09*	*10/20/21 04:11*	*1*

Client: Ramboll US Corporation
Job ID: 500-206977-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: EB-01
Date Collected: 10/13/21 16:30
Date Received: 10/16/21 11:30

Lab Sample ID: 500-206977-9
Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*89*		*25 - 150*	*10/19/21 05:09*	*10/20/21 04:11*	*1*
d-N-MeFOSA-M	*71*		*10 - 150*	*10/19/21 05:09*	*10/20/21 04:11*	*1*
d-N-EtFOSA-M	*72*		*10 - 150*	*10/19/21 05:09*	*10/20/21 04:11*	*1*
d7-N-MeFOSE-M	*88*		*10 - 150*	*10/19/21 05:09*	*10/20/21 04:11*	*1*
d9-N-EtFOSE-M	*92*		*10 - 150*	*10/19/21 05:09*	*10/20/21 04:11*	*1*
M2-4:2 FTS	*118*		*25 - 150*	*10/19/21 05:09*	*10/20/21 04:11*	*1*
M2-6:2 FTS	*114*		*25 - 150*	*10/19/21 05:09*	*10/20/21 04:11*	*1*
M2-8:2 FTS	*134*		*25 - 150*	*10/19/21 05:09*	*10/20/21 04:11*	*1*
13C3 HFPO-DA	*104*		*25 - 150*	*10/19/21 05:09*	*10/20/21 04:11*	*1*
13C2 10:2 FTS	*117*		*25 - 150*	*10/19/21 05:09*	*10/20/21 04:11*	*1*

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.23		1.0	0.23	ug/L		10/21/21 09:54	10/21/21 18:42	1
Barium	<0.73		2.5	0.73	ug/L		10/21/21 09:54	10/21/21 18:42	1
Cadmium	<0.17		0.50	0.17	ug/L		10/21/21 09:54	10/21/21 18:42	1
Chromium	<1.1		5.0	1.1	ug/L		10/21/21 09:54	10/21/21 18:42	1
Lead	<0.19		0.50	0.19	ug/L		10/21/21 09:54	10/21/21 18:42	1
Selenium	<0.98		2.5	0.98	ug/L		10/21/21 09:54	10/21/21 18:42	1
Silver	<0.12		0.50	0.12	ug/L		10/21/21 09:54	10/21/21 18:42	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.098		0.20	0.098	ug/L		10/22/21 10:25	10/25/21 08:43	1

Client: Ramboll US Corporation
Project/Site: Former Mirro 20 - Chilton 1690019558

Job ID: 500-206977-1

Client Sample ID: MW-1
Date Collected: 10/14/21 09:35
Date Received: 10/16/21 11:30

Lab Sample ID: 500-206977-10
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			10/27/21 05:38	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/27/21 05:38	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/27/21 05:38	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			10/27/21 05:38	1
Bromoform	<0.48		1.0	0.48	ug/L			10/27/21 05:38	1
Bromomethane	<0.80		3.0	0.80	ug/L			10/27/21 05:38	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			10/27/21 05:38	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/27/21 05:38	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/27/21 05:38	1
Chloroethane	<0.51		1.0	0.51	ug/L			10/27/21 05:38	1
Chloroform	<0.37		2.0	0.37	ug/L			10/27/21 05:38	1
Chloromethane	<0.32		1.0	0.32	ug/L			10/27/21 05:38	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/27/21 05:38	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/27/21 05:38	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			10/27/21 05:38	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/27/21 05:38	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			10/27/21 05:38	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			10/27/21 05:38	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			10/27/21 05:38	1
Dibromomethane	<0.27		1.0	0.27	ug/L			10/27/21 05:38	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/27/21 05:38	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/27/21 05:38	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/27/21 05:38	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			10/27/21 05:38	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/27/21 05:38	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			10/27/21 05:38	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			10/27/21 05:38	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			10/27/21 05:38	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/27/21 05:38	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			10/27/21 05:38	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			10/27/21 05:38	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			10/27/21 05:38	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/27/21 05:38	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/27/21 05:38	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			10/27/21 05:38	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			10/27/21 05:38	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			10/27/21 05:38	1
Naphthalene	**0.59**	**J B**	1.0	0.34	ug/L			10/27/21 05:38	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/27/21 05:38	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/27/21 05:38	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/27/21 05:38	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			10/27/21 05:38	1
Styrene	<0.39		1.0	0.39	ug/L			10/27/21 05:38	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/27/21 05:38	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			10/27/21 05:38	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			10/27/21 05:38	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			10/27/21 05:38	1
Toluene	<0.15		0.50	0.15	ug/L			10/27/21 05:38	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			10/27/21 05:38	1

Client: Ramboll US Corporation
Project/Site: Former Mirro 20 - Chilton 1690019558

Job ID: 500-206977-1

Client Sample ID: MW-1
Date Collected: 10/14/21 09:35
Date Received: 10/16/21 11:30

Lab Sample ID: 500-206977-10
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/27/21 05:38	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			10/27/21 05:38	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/27/21 05:38	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			10/27/21 05:38	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			10/27/21 05:38	1
Trichloroethene	<0.16		0.50	0.16	ug/L			10/27/21 05:38	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			10/27/21 05:38	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			10/27/21 05:38	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/27/21 05:38	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/27/21 05:38	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			10/27/21 05:38	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			10/27/21 05:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*72 - 124*		*10/27/21 05:38*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 120*		*10/27/21 05:38*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*75 - 126*		*10/27/21 05:38*	*1*
Toluene-d8 (Surr)	*97*		*75 - 120*		*10/27/21 05:38*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.3		4.7	2.3	ng/L		10/19/21 04:55	10/20/21 00:08	1
Perfluoropentanoic acid (PFPeA)	<0.46		1.9	0.46	ng/L		10/19/21 04:55	10/20/21 00:08	1
Perfluorohexanoic acid (PFHxA)	<0.55		1.9	0.55	ng/L		10/19/21 04:55	10/20/21 00:08	1
Perfluoroheptanoic acid (PFHpA)	<0.24		1.9	0.24	ng/L		10/19/21 04:55	10/20/21 00:08	1
Perfluorooctanoic acid (PFOA)	<0.81		1.9	0.81	ng/L		10/19/21 04:55	10/20/21 00:08	1
Perfluorononanoic acid (PFNA)	<0.26		1.9	0.26	ng/L		10/19/21 04:55	10/20/21 00:08	1
Perfluorodecanoic acid (PFDA)	<0.29		1.9	0.29	ng/L		10/19/21 04:55	10/20/21 00:08	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		10/19/21 04:55	10/20/21 00:08	1
Perfluorododecanoic acid (PFDoA)	<0.52		1.9	0.52	ng/L		10/19/21 04:55	10/20/21 00:08	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.9	1.2	ng/L		10/19/21 04:55	10/20/21 00:08	1
Perfluorotetradecanoic acid (PFTeA)	<0.69		1.9	0.69	ng/L		10/19/21 04:55	10/20/21 00:08	1
Perfluorobutanesulfonic acid (PFBS)	**0.74**	**J**	1.9	0.19	ng/L		10/19/21 04:55	10/20/21 00:08	1
Perfluoropentanesulfonic acid (PFPeS)	<0.28		1.9	0.28	ng/L		10/19/21 04:55	10/20/21 00:08	1
Perfluorohexanesulfonic acid (PFHxS)	**1.3**	**J**	1.9	0.54	ng/L		10/19/21 04:55	10/20/21 00:08	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.18		1.9	0.18	ng/L		10/19/21 04:55	10/20/21 00:08	1
Perfluorooctanesulfonic acid (PFOS)	<0.51		1.9	0.51	ng/L		10/19/21 04:55	10/20/21 00:08	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		10/19/21 04:55	10/20/21 00:08	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		10/19/21 04:55	10/20/21 00:08	1
Perfluorododecanesulfonic acid (PFDoS)	<0.92		1.9	0.92	ng/L		10/19/21 04:55	10/20/21 00:08	1
Perfluorooctanesulfonamide (FOSA)	<0.93		1.9	0.93	ng/L		10/19/21 04:55	10/20/21 00:08	1
NEtFOSA	<0.82		1.9	0.82	ng/L		10/19/21 04:55	10/20/21 00:08	1
NMeFOSA	<0.41		1.9	0.41	ng/L		10/19/21 04:55	10/20/21 00:08	1
NMeFOSAA	<1.1		4.7	1.1	ng/L		10/19/21 04:55	10/20/21 00:08	1
NEtFOSAA	<1.2		4.7	1.2	ng/L		10/19/21 04:55	10/20/21 00:08	1
NMeFOSE	<1.3		3.8	1.3	ng/L		10/19/21 04:55	10/20/21 00:08	1

Client: Ramboll US Corporation
Job ID: 500-206977-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: MW-1
Lab Sample ID: 500-206977-10
Date Collected: 10/14/21 09:35
Matrix: Water
Date Received: 10/16/21 11:30

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
NEtFOSE	<0.81		1.9	0.81	ng/L		10/19/21 04:55	10/20/21 00:08	1
4:2 FTS	<0.23		1.9	0.23	ng/L		10/19/21 04:55	10/20/21 00:08	1
6:2 FTS	<2.4		4.7	2.4	ng/L		10/19/21 04:55	10/20/21 00:08	1
8:2 FTS	<0.44		1.9	0.44	ng/L		10/19/21 04:55	10/20/21 00:08	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.38		1.9	0.38	ng/L		10/19/21 04:55	10/20/21 00:08	1
HFPO-DA (GenX)	<1.4		3.8	1.4	ng/L		10/19/21 04:55	10/20/21 00:08	1
9Cl-PF3ONS	<0.23		1.9	0.23	ng/L		10/19/21 04:55	10/20/21 00:08	1
11Cl-PF3OUdS	<0.30		1.9	0.30	ng/L		10/19/21 04:55	10/20/21 00:08	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*91*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:08*	*1*
13C5 PFPeA	*104*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:08*	*1*
13C2 PFHxA	*94*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:08*	*1*
13C4 PFHpA	*91*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:08*	*1*
13C4 PFOA	*99*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:08*	*1*
13C5 PFNA	*95*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:08*	*1*
13C2 PFDA	*94*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:08*	*1*
13C2 PFUnA	*96*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:08*	*1*
13C2 PFDoA	*91*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:08*	*1*
13C2 PFTeDA	*91*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:08*	*1*
13C3 PFBS	*90*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:08*	*1*
18O2 PFHxS	*90*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:08*	*1*
13C4 PFOS	*88*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:08*	*1*
13C8 FOSA	*89*		*10 - 150*	*10/19/21 04:55*	*10/20/21 00:08*	*1*
d3-NMeFOSAA	*88*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:08*	*1*
d5-NEtFOSAA	*93*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:08*	*1*
d-N-MeFOSA-M	*79*		*10 - 150*	*10/19/21 04:55*	*10/20/21 00:08*	*1*
d-N-EtFOSA-M	*81*		*10 - 150*	*10/19/21 04:55*	*10/20/21 00:08*	*1*
d7-N-MeFOSE-M	*84*		*10 - 150*	*10/19/21 04:55*	*10/20/21 00:08*	*1*
d9-N-EtFOSE-M	*88*		*10 - 150*	*10/19/21 04:55*	*10/20/21 00:08*	*1*
M2-4:2 FTS	*123*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:08*	*1*
M2-6:2 FTS	*111*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:08*	*1*
M2-8:2 FTS	*113*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:08*	*1*
13C3 HFPO-DA	*97*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:08*	*1*
13C2 10:2 FTS	*109*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:08*	*1*

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**1.2**		1.0	0.23	ug/L		10/21/21 09:54	10/21/21 18:45	1

Client: Ramboll US Corporation
Project/Site: Former Mirro 20 - Chilton 1690019558

Job ID: 500-206977-1

Client Sample ID: MW-2

Date Collected: 10/14/21 10:15
Date Received: 10/16/21 11:30

Lab Sample ID: 500-206977-11

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			10/27/21 13:16	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/27/21 13:16	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/27/21 13:16	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			10/27/21 13:16	1
Bromoform	<0.48		1.0	0.48	ug/L			10/27/21 13:16	1
Bromomethane	<0.80		3.0	0.80	ug/L			10/27/21 13:16	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			10/27/21 13:16	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/27/21 13:16	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/27/21 13:16	1
Chloroethane	<0.51		1.0	0.51	ug/L			10/27/21 13:16	1
Chloroform	<0.37		2.0	0.37	ug/L			10/27/21 13:16	1
Chloromethane	<0.32		1.0	0.32	ug/L			10/27/21 13:16	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/27/21 13:16	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/27/21 13:16	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			10/27/21 13:16	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/27/21 13:16	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			10/27/21 13:16	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			10/27/21 13:16	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			10/27/21 13:16	1
Dibromomethane	<0.27		1.0	0.27	ug/L			10/27/21 13:16	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/27/21 13:16	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/27/21 13:16	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/27/21 13:16	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			10/27/21 13:16	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/27/21 13:16	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			10/27/21 13:16	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			10/27/21 13:16	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			10/27/21 13:16	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/27/21 13:16	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			10/27/21 13:16	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			10/27/21 13:16	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			10/27/21 13:16	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/27/21 13:16	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/27/21 13:16	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			10/27/21 13:16	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			10/27/21 13:16	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			10/27/21 13:16	1
Naphthalene	<0.34		1.0	0.34	ug/L			10/27/21 13:16	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/27/21 13:16	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/27/21 13:16	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/27/21 13:16	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			10/27/21 13:16	1
Styrene	<0.39		1.0	0.39	ug/L			10/27/21 13:16	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/27/21 13:16	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			10/27/21 13:16	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			10/27/21 13:16	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			10/27/21 13:16	1
Toluene	<0.15		0.50	0.15	ug/L			10/27/21 13:16	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			10/27/21 13:16	1

Client Sample ID: MW-2
Lab Sample ID: 500-206977-11
Date Collected: 10/14/21 10:15
Matrix: Water
Date Received: 10/16/21 11:30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/27/21 13:16	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			10/27/21 13:16	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/27/21 13:16	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			10/27/21 13:16	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			10/27/21 13:16	1
Trichloroethene	<0.16		0.50	0.16	ug/L			10/27/21 13:16	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			10/27/21 13:16	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			10/27/21 13:16	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/27/21 13:16	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/27/21 13:16	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			10/27/21 13:16	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			10/27/21 13:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*72 - 124*		*10/27/21 13:16*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 120*		*10/27/21 13:16*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*75 - 126*		*10/27/21 13:16*	*1*
Toluene-d8 (Surr)	*97*		*75 - 120*		*10/27/21 13:16*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.4		4.9	2.4	ng/L		10/19/21 04:55	10/20/21 00:18	1
Perfluoropentanoic acid (PFPeA)	<0.48		2.0	0.48	ng/L		10/19/21 04:55	10/20/21 00:18	1
Perfluorohexanoic acid (PFHxA)	<0.57		2.0	0.57	ng/L		10/19/21 04:55	10/20/21 00:18	1
Perfluoroheptanoic acid (PFHpA)	<0.24		2.0	0.24	ng/L		10/19/21 04:55	10/20/21 00:18	1
Perfluorooctanoic acid (PFOA)	<0.83		2.0	0.83	ng/L		10/19/21 04:55	10/20/21 00:18	1
Perfluorononanoic acid (PFNA)	<0.26		2.0	0.26	ng/L		10/19/21 04:55	10/20/21 00:18	1
Perfluorodecanoic acid (PFDA)	<0.30		2.0	0.30	ng/L		10/19/21 04:55	10/20/21 00:18	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		10/19/21 04:55	10/20/21 00:18	1
Perfluorododecanoic acid (PFDoA)	<0.54		2.0	0.54	ng/L		10/19/21 04:55	10/20/21 00:18	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		10/19/21 04:55	10/20/21 00:18	1
Perfluorotetradecanoic acid (PFTeA)	<0.72		2.0	0.72	ng/L		10/19/21 04:55	10/20/21 00:18	1
Perfluorobutanesulfonic acid (PFBS)	**0.72**	**J**	2.0	0.20	ng/L		10/19/21 04:55	10/20/21 00:18	1
Perfluoropentanesulfonic acid (PFPeS)	<0.29		2.0	0.29	ng/L		10/19/21 04:55	10/20/21 00:18	1
Perfluorohexanesulfonic acid (PFHxS)	**1.4**	**J**	2.0	0.56	ng/L		10/19/21 04:55	10/20/21 00:18	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.19		2.0	0.19	ng/L		10/19/21 04:55	10/20/21 00:18	1
Perfluorooctanesulfonic acid (PFOS)	<0.53		2.0	0.53	ng/L		10/19/21 04:55	10/20/21 00:18	1
Perfluorononanesulfonic acid (PFNS)	<0.36		2.0	0.36	ng/L		10/19/21 04:55	10/20/21 00:18	1
Perfluorodecanesulfonic acid (PFDS)	<0.31		2.0	0.31	ng/L		10/19/21 04:55	10/20/21 00:18	1
Perfluorododecanesulfonic acid (PFDoS)	<0.95		2.0	0.95	ng/L		10/19/21 04:55	10/20/21 00:18	1
Perfluorooctanesulfonamide (FOSA)	<0.96		2.0	0.96	ng/L		10/19/21 04:55	10/20/21 00:18	1
NEtFOSA	<0.85		2.0	0.85	ng/L		10/19/21 04:55	10/20/21 00:18	1
NMeFOSA	<0.42		2.0	0.42	ng/L		10/19/21 04:55	10/20/21 00:18	1
NMeFOSAA	<1.2		4.9	1.2	ng/L		10/19/21 04:55	10/20/21 00:18	1
NEtFOSAA	<1.3		4.9	1.3	ng/L		10/19/21 04:55	10/20/21 00:18	1
NMeFOSE	<1.4		3.9	1.4	ng/L		10/19/21 04:55	10/20/21 00:18	1

Client: Ramboll US Corporation
Job ID: 500-206977-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: MW-2
Lab Sample ID: 500-206977-11
Date Collected: 10/14/21 10:15
Matrix: Water
Date Received: 10/16/21 11:30

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
NEtFOSE	<0.83		2.0	0.83	ng/L		10/19/21 04:55	10/20/21 00:18	1
4:2 FTS	<0.24		2.0	0.24	ng/L		10/19/21 04:55	10/20/21 00:18	1
6:2 FTS	<2.4		4.9	2.4	ng/L		10/19/21 04:55	10/20/21 00:18	1
8:2 FTS	<0.45		2.0	0.45	ng/L		10/19/21 04:55	10/20/21 00:18	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.39		2.0	0.39	ng/L		10/19/21 04:55	10/20/21 00:18	1
HFPO-DA (GenX)	<1.5		3.9	1.5	ng/L		10/19/21 04:55	10/20/21 00:18	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		10/19/21 04:55	10/20/21 00:18	1
11Cl-PF3OUdS	<0.31		2.0	0.31	ng/L		10/19/21 04:55	10/20/21 00:18	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*76*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:18*	*1*
13C5 PFPeA	*85*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:18*	*1*
13C2 PFHxA	*87*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:18*	*1*
13C4 PFHpA	*86*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:18*	*1*
13C4 PFOA	*86*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:18*	*1*
13C5 PFNA	*86*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:18*	*1*
13C2 PFDA	*84*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:18*	*1*
13C2 PFUnA	*83*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:18*	*1*
13C2 PFDoA	*81*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:18*	*1*
13C2 PFTeDA	*81*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:18*	*1*
13C3 PFBS	*85*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:18*	*1*
18O2 PFHxS	*82*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:18*	*1*
13C4 PFOS	*84*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:18*	*1*
13C8 FOSA	*80*		*10 - 150*	*10/19/21 04:55*	*10/20/21 00:18*	*1*
d3-NMeFOSAA	*78*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:18*	*1*
d5-NEtFOSAA	*80*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:18*	*1*
d-N-MeFOSA-M	*70*		*10 - 150*	*10/19/21 04:55*	*10/20/21 00:18*	*1*
d-N-EtFOSA-M	*70*		*10 - 150*	*10/19/21 04:55*	*10/20/21 00:18*	*1*
d7-N-MeFOSE-M	*73*		*10 - 150*	*10/19/21 04:55*	*10/20/21 00:18*	*1*
d9-N-EtFOSE-M	*78*		*10 - 150*	*10/19/21 04:55*	*10/20/21 00:18*	*1*
M2-4:2 FTS	*105*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:18*	*1*
M2-6:2 FTS	*100*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:18*	*1*
M2-8:2 FTS	*102*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:18*	*1*
13C3 HFPO-DA	*83*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:18*	*1*
13C2 10:2 FTS	*94*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:18*	*1*

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**1.6**		1.0	0.23	ug/L		10/21/21 09:54	10/21/21 18:49	1

Client: Ramboll US Corporation
Job ID: 500-206977-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: PZ-10
Lab Sample ID: 500-206977-12
Date Collected: 10/14/21 11:05
Matrix: Water
Date Received: 10/16/21 11:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.17**	**J**	0.50	0.15	ug/L			10/27/21 14:13	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/27/21 14:13	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/27/21 14:13	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			10/27/21 14:13	1
Bromoform	<0.48		1.0	0.48	ug/L			10/27/21 14:13	1
Bromomethane	<0.80		3.0	0.80	ug/L			10/27/21 14:13	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			10/27/21 14:13	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/27/21 14:13	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/27/21 14:13	1
Chloroethane	<0.51		1.0	0.51	ug/L			10/27/21 14:13	1
Chloroform	<0.37		2.0	0.37	ug/L			10/27/21 14:13	1
Chloromethane	<0.32		1.0	0.32	ug/L			10/27/21 14:13	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/27/21 14:13	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/27/21 14:13	1
cis-1,2-Dichloroethene	**22**		1.0	0.41	ug/L			10/27/21 14:13	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/27/21 14:13	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			10/27/21 14:13	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			10/27/21 14:13	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			10/27/21 14:13	1
Dibromomethane	<0.27		1.0	0.27	ug/L			10/27/21 14:13	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/27/21 14:13	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/27/21 14:13	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/27/21 14:13	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			10/27/21 14:13	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/27/21 14:13	1
1,2-Dichloroethane	**76**		1.0	0.39	ug/L			10/27/21 14:13	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			10/27/21 14:13	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			10/27/21 14:13	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/27/21 14:13	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			10/27/21 14:13	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			10/27/21 14:13	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			10/27/21 14:13	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/27/21 14:13	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/27/21 14:13	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			10/27/21 14:13	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			10/27/21 14:13	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			10/27/21 14:13	1
Naphthalene	<0.34		1.0	0.34	ug/L			10/27/21 14:13	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/27/21 14:13	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/27/21 14:13	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/27/21 14:13	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			10/27/21 14:13	1
Styrene	<0.39		1.0	0.39	ug/L			10/27/21 14:13	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/27/21 14:13	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			10/27/21 14:13	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			10/27/21 14:13	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			10/27/21 14:13	1
Toluene	<0.15		0.50	0.15	ug/L			10/27/21 14:13	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			10/27/21 14:13	1

Client: Ramboll US Corporation
Job ID: 500-206977-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: PZ-10
Lab Sample ID: 500-206977-12
Date Collected: 10/14/21 11:05
Matrix: Water
Date Received: 10/16/21 11:30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/27/21 14:13	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			10/27/21 14:13	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/27/21 14:13	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			10/27/21 14:13	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			10/27/21 14:13	1
Trichloroethene	**0.23**	**J**	0.50	0.16	ug/L			10/27/21 14:13	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			10/27/21 14:13	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			10/27/21 14:13	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/27/21 14:13	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/27/21 14:13	1
Vinyl chloride	**1.4**		1.0	0.20	ug/L			10/27/21 14:13	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			10/27/21 14:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*72 - 124*		*10/27/21 14:13*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 120*		*10/27/21 14:13*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*75 - 126*		*10/27/21 14:13*	*1*
Toluene-d8 (Surr)	*98*		*75 - 120*		*10/27/21 14:13*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.2		4.7	2.2	ng/L		10/19/21 04:55	10/20/21 00:28	1
Perfluoropentanoic acid (PFPeA)	<0.46		1.9	0.46	ng/L		10/19/21 04:55	10/20/21 00:28	1
Perfluorohexanoic acid (PFHxA)	<0.54		1.9	0.54	ng/L		10/19/21 04:55	10/20/21 00:28	1
Perfluoroheptanoic acid (PFHpA)	<0.23		1.9	0.23	ng/L		10/19/21 04:55	10/20/21 00:28	1
Perfluorooctanoic acid (PFOA)	<0.79		1.9	0.79	ng/L		10/19/21 04:55	10/20/21 00:28	1
Perfluorononanoic acid (PFNA)	<0.25		1.9	0.25	ng/L		10/19/21 04:55	10/20/21 00:28	1
Perfluorodecanoic acid (PFDA)	<0.29		1.9	0.29	ng/L		10/19/21 04:55	10/20/21 00:28	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		10/19/21 04:55	10/20/21 00:28	1
Perfluorododecanoic acid (PFDoA)	<0.51		1.9	0.51	ng/L		10/19/21 04:55	10/20/21 00:28	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.9	1.2	ng/L		10/19/21 04:55	10/20/21 00:28	1
Perfluorotetradecanoic acid (PFTeA)	<0.68		1.9	0.68	ng/L		10/19/21 04:55	10/20/21 00:28	1
Perfluorobutanesulfonic acid (PFBS)	<0.19		1.9	0.19	ng/L		10/19/21 04:55	10/20/21 00:28	1
Perfluoropentanesulfonic acid (PFPeS)	<0.28		1.9	0.28	ng/L		10/19/21 04:55	10/20/21 00:28	1
Perfluorohexanesulfonic acid (PFHxS)	<0.53		1.9	0.53	ng/L		10/19/21 04:55	10/20/21 00:28	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.18		1.9	0.18	ng/L		10/19/21 04:55	10/20/21 00:28	1
Perfluorooctanesulfonic acid (PFOS)	<0.50		1.9	0.50	ng/L		10/19/21 04:55	10/20/21 00:28	1
Perfluorononanesulfonic acid (PFNS)	<0.34		1.9	0.34	ng/L		10/19/21 04:55	10/20/21 00:28	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		10/19/21 04:55	10/20/21 00:28	1
Perfluorododecanesulfonic acid (PFDoS)	<0.90		1.9	0.90	ng/L		10/19/21 04:55	10/20/21 00:28	1
Perfluorooctanesulfonamide (FOSA)	<0.91		1.9	0.91	ng/L		10/19/21 04:55	10/20/21 00:28	1
NEtFOSA	<0.81		1.9	0.81	ng/L		10/19/21 04:55	10/20/21 00:28	1
NMeFOSA	<0.40		1.9	0.40	ng/L		10/19/21 04:55	10/20/21 00:28	1
NMeFOSAA	<1.1		4.7	1.1	ng/L		10/19/21 04:55	10/20/21 00:28	1
NEtFOSAA	<1.2		4.7	1.2	ng/L		10/19/21 04:55	10/20/21 00:28	1
NMeFOSE	<1.3		3.7	1.3	ng/L		10/19/21 04:55	10/20/21 00:28	1
NEtFOSE	<0.79		1.9	0.79	ng/L		10/19/21 04:55	10/20/21 00:28	1
4:2 FTS	<0.22		1.9	0.22	ng/L		10/19/21 04:55	10/20/21 00:28	1

Client: Ramboll US Corporation
Job ID: 500-206977-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: PZ-10
Lab Sample ID: 500-206977-12
Date Collected: 10/14/21 11:05
Matrix: Water
Date Received: 10/16/21 11:30

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
6:2 FTS	<2.3		4.7	2.3	ng/L		10/19/21 04:55	10/20/21 00:28	1
8:2 FTS	<0.43		1.9	0.43	ng/L		10/19/21 04:55	10/20/21 00:28	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.37		1.9	0.37	ng/L		10/19/21 04:55	10/20/21 00:28	1
HFPO-DA (GenX)	<1.4		3.7	1.4	ng/L		10/19/21 04:55	10/20/21 00:28	1
9Cl-PF3ONS	<0.22		1.9	0.22	ng/L		10/19/21 04:55	10/20/21 00:28	1
11Cl-PF3OUdS	<0.30		1.9	0.30	ng/L		10/19/21 04:55	10/20/21 00:28	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*84*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:28*	*1*
13C5 PFPeA	*105*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:28*	*1*
13C2 PFHxA	*95*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:28*	*1*
13C4 PFHpA	*97*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:28*	*1*
13C4 PFOA	*101*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:28*	*1*
13C5 PFNA	*104*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:28*	*1*
13C2 PFDA	*101*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:28*	*1*
13C2 PFUnA	*98*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:28*	*1*
13C2 PFDoA	*93*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:28*	*1*
13C2 PFTeDA	*93*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:28*	*1*
13C3 PFBS	*92*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:28*	*1*
18O2 PFHxS	*96*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:28*	*1*
13C4 PFOS	*96*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:28*	*1*
13C8 FOSA	*91*		*10 - 150*	*10/19/21 04:55*	*10/20/21 00:28*	*1*
d3-NMeFOSAA	*89*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:28*	*1*
d5-NEtFOSAA	*94*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:28*	*1*
d-N-MeFOSA-M	*81*		*10 - 150*	*10/19/21 04:55*	*10/20/21 00:28*	*1*
d-N-EtFOSA-M	*80*		*10 - 150*	*10/19/21 04:55*	*10/20/21 00:28*	*1*
d7-N-MeFOSE-M	*84*		*10 - 150*	*10/19/21 04:55*	*10/20/21 00:28*	*1*
d9-N-EtFOSE-M	*90*		*10 - 150*	*10/19/21 04:55*	*10/20/21 00:28*	*1*
M2-4:2 FTS	*113*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:28*	*1*
M2-6:2 FTS	*105*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:28*	*1*
M2-8:2 FTS	*114*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:28*	*1*
13C3 HFPO-DA	*100*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:28*	*1*
13C2 10:2 FTS	*104*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:28*	*1*

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.54**	**J**	1.0	0.23	ug/L		10/21/21 09:54	10/21/21 18:52	1

Client: Ramboll US Corporation
Project/Site: Former Mirro 20 - Chilton 1690019558

Job ID: 500-206977-1

Client Sample ID: MW-10
Date Collected: 10/14/21 11:55
Date Received: 10/16/21 11:30

Lab Sample ID: 500-206977-13
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			10/27/21 14:42	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/27/21 14:42	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/27/21 14:42	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			10/27/21 14:42	1
Bromoform	<0.48		1.0	0.48	ug/L			10/27/21 14:42	1
Bromomethane	<0.80		3.0	0.80	ug/L			10/27/21 14:42	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			10/27/21 14:42	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/27/21 14:42	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/27/21 14:42	1
Chloroethane	<0.51		1.0	0.51	ug/L			10/27/21 14:42	1
Chloroform	<0.37		2.0	0.37	ug/L			10/27/21 14:42	1
Chloromethane	**0.58**	**J**	1.0	0.32	ug/L			10/27/21 14:42	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/27/21 14:42	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/27/21 14:42	1
cis-1,2-Dichloroethene	**13**		1.0	0.41	ug/L			10/27/21 14:42	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/27/21 14:42	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			10/27/21 14:42	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			10/27/21 14:42	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			10/27/21 14:42	1
Dibromomethane	<0.27		1.0	0.27	ug/L			10/27/21 14:42	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/27/21 14:42	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/27/21 14:42	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/27/21 14:42	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			10/27/21 14:42	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/27/21 14:42	1
1,2-Dichloroethane	**6.0**		1.0	0.39	ug/L			10/27/21 14:42	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			10/27/21 14:42	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			10/27/21 14:42	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/27/21 14:42	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			10/27/21 14:42	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			10/27/21 14:42	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			10/27/21 14:42	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/27/21 14:42	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/27/21 14:42	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			10/27/21 14:42	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			10/27/21 14:42	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			10/27/21 14:42	1
Naphthalene	<0.34		1.0	0.34	ug/L			10/27/21 14:42	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/27/21 14:42	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/27/21 14:42	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/27/21 14:42	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			10/27/21 14:42	1
Styrene	<0.39		1.0	0.39	ug/L			10/27/21 14:42	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/27/21 14:42	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			10/27/21 14:42	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			10/27/21 14:42	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			10/27/21 14:42	1
Toluene	<0.15		0.50	0.15	ug/L			10/27/21 14:42	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			10/27/21 14:42	1

Client: Ramboll US Corporation
Job ID: 500-206977-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: MW-10
Lab Sample ID: 500-206977-13
Date Collected: 10/14/21 11:55
Matrix: Water
Date Received: 10/16/21 11:30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/27/21 14:42	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			10/27/21 14:42	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/27/21 14:42	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			10/27/21 14:42	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			10/27/21 14:42	1
Trichloroethene	<0.16		0.50	0.16	ug/L			10/27/21 14:42	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			10/27/21 14:42	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			10/27/21 14:42	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/27/21 14:42	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/27/21 14:42	1
Vinyl chloride	**1.5**		1.0	0.20	ug/L			10/27/21 14:42	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			10/27/21 14:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*72 - 124*		*10/27/21 14:42*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 120*		*10/27/21 14:42*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*75 - 126*		*10/27/21 14:42*	*1*
Toluene-d8 (Surr)	*98*		*75 - 120*		*10/27/21 14:42*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.2		4.6	2.2	ng/L		10/19/21 04:55	10/20/21 00:38	1
Perfluoropentanoic acid (PFPeA)	**0.50**	**J**	1.9	0.45	ng/L		10/19/21 04:55	10/20/21 00:38	1
Perfluorohexanoic acid (PFHxA)	<0.54		1.9	0.54	ng/L		10/19/21 04:55	10/20/21 00:38	1
Perfluoroheptanoic acid (PFHpA)	**0.26**	**J**	1.9	0.23	ng/L		10/19/21 04:55	10/20/21 00:38	1
Perfluorooctanoic acid (PFOA)	**1.7**	**J**	1.9	0.79	ng/L		10/19/21 04:55	10/20/21 00:38	1
Perfluorononanoic acid (PFNA)	<0.25		1.9	0.25	ng/L		10/19/21 04:55	10/20/21 00:38	1
Perfluorodecanoic acid (PFDA)	<0.29		1.9	0.29	ng/L		10/19/21 04:55	10/20/21 00:38	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		10/19/21 04:55	10/20/21 00:38	1
Perfluorododecanoic acid (PFDoA)	<0.51		1.9	0.51	ng/L		10/19/21 04:55	10/20/21 00:38	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.9	1.2	ng/L		10/19/21 04:55	10/20/21 00:38	1
Perfluorotetradecanoic acid (PFTeA)	<0.68		1.9	0.68	ng/L		10/19/21 04:55	10/20/21 00:38	1
Perfluorobutanesulfonic acid (PFBS)	**0.48**	**J**	1.9	0.19	ng/L		10/19/21 04:55	10/20/21 00:38	1
Perfluoropentanesulfonic acid (PFPeS)	<0.28		1.9	0.28	ng/L		10/19/21 04:55	10/20/21 00:38	1
Perfluorohexanesulfonic acid (PFHxS)	**0.82**	**J**	1.9	0.53	ng/L		10/19/21 04:55	10/20/21 00:38	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.18		1.9	0.18	ng/L		10/19/21 04:55	10/20/21 00:38	1
Perfluorooctanesulfonic acid (PFOS)	**1.1**	**J**	1.9	0.50	ng/L		10/19/21 04:55	10/20/21 00:38	1
Perfluorononanesulfonic acid (PFNS)	<0.34		1.9	0.34	ng/L		10/19/21 04:55	10/20/21 00:38	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		10/19/21 04:55	10/20/21 00:38	1
Perfluorododecanesulfonic acid (PFDoS)	<0.90		1.9	0.90	ng/L		10/19/21 04:55	10/20/21 00:38	1
Perfluorooctanesulfonamide (FOSA)	<0.91		1.9	0.91	ng/L		10/19/21 04:55	10/20/21 00:38	1
NEtFOSA	<0.81		1.9	0.81	ng/L		10/19/21 04:55	10/20/21 00:38	1
NMeFOSA	<0.40		1.9	0.40	ng/L		10/19/21 04:55	10/20/21 00:38	1
NMeFOSAA	<1.1		4.6	1.1	ng/L		10/19/21 04:55	10/20/21 00:38	1
NEtFOSAA	<1.2		4.6	1.2	ng/L		10/19/21 04:55	10/20/21 00:38	1

Client: Ramboll US Corporation
Job ID: 500-206977-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: MW-10
Lab Sample ID: 500-206977-13
Date Collected: 10/14/21 11:55
Matrix: Water
Date Received: 10/16/21 11:30

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
NMeFOSE	<1.3		3.7	1.3	ng/L		10/19/21 04:55	10/20/21 00:38	1
NEtFOSE	<0.79		1.9	0.79	ng/L		10/19/21 04:55	10/20/21 00:38	1
4:2 FTS	<0.22		1.9	0.22	ng/L		10/19/21 04:55	10/20/21 00:38	1
6:2 FTS	<2.3		4.6	2.3	ng/L		10/19/21 04:55	10/20/21 00:38	1
8:2 FTS	<0.43		1.9	0.43	ng/L		10/19/21 04:55	10/20/21 00:38	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.37		1.9	0.37	ng/L		10/19/21 04:55	10/20/21 00:38	1
HFPO-DA (GenX)	<1.4		3.7	1.4	ng/L		10/19/21 04:55	10/20/21 00:38	1
9Cl-PF3ONS	<0.22		1.9	0.22	ng/L		10/19/21 04:55	10/20/21 00:38	1
11Cl-PF3OUdS	<0.30		1.9	0.30	ng/L		10/19/21 04:55	10/20/21 00:38	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*84*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:38*	*1*
13C5 PFPeA	*98*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:38*	*1*
13C2 PFHxA	*93*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:38*	*1*
13C4 PFHpA	*94*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:38*	*1*
13C4 PFOA	*99*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:38*	*1*
13C5 PFNA	*94*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:38*	*1*
13C2 PFDA	*94*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:38*	*1*
13C2 PFUnA	*93*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:38*	*1*
13C2 PFDoA	*88*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:38*	*1*
13C2 PFTeDA	*91*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:38*	*1*
13C3 PFBS	*89*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:38*	*1*
18O2 PFHxS	*84*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:38*	*1*
13C4 PFOS	*86*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:38*	*1*
13C8 FOSA	*85*		*10 - 150*	*10/19/21 04:55*	*10/20/21 00:38*	*1*
d3-NMeFOSAA	*85*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:38*	*1*
d5-NEtFOSAA	*92*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:38*	*1*
d-N-MeFOSA-M	*73*		*10 - 150*	*10/19/21 04:55*	*10/20/21 00:38*	*1*
d-N-EtFOSA-M	*74*		*10 - 150*	*10/19/21 04:55*	*10/20/21 00:38*	*1*
d7-N-MeFOSE-M	*81*		*10 - 150*	*10/19/21 04:55*	*10/20/21 00:38*	*1*
d9-N-EtFOSE-M	*85*		*10 - 150*	*10/19/21 04:55*	*10/20/21 00:38*	*1*
M2-4:2 FTS	*128*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:38*	*1*
M2-6:2 FTS	*108*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:38*	*1*
M2-8:2 FTS	*108*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:38*	*1*
13C3 HFPO-DA	*93*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:38*	*1*
13C2 10:2 FTS	*102*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:38*	*1*

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.75**	**J**	1.0	0.23	ug/L		10/21/21 09:54	10/21/21 18:56	1

Client: Ramboll US Corporation
Project/Site: Former Mirro 20 - Chilton 1690019558

Job ID: 500-206977-1

Client Sample ID: PZ-5
Date Collected: 10/14/21 12:50
Date Received: 10/16/21 11:30

Lab Sample ID: 500-206977-14
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			10/27/21 15:11	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/27/21 15:11	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/27/21 15:11	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			10/27/21 15:11	1
Bromoform	<0.48		1.0	0.48	ug/L			10/27/21 15:11	1
Bromomethane	<0.80		3.0	0.80	ug/L			10/27/21 15:11	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			10/27/21 15:11	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/27/21 15:11	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/27/21 15:11	1
Chloroethane	<0.51		1.0	0.51	ug/L			10/27/21 15:11	1
Chloroform	<0.37		2.0	0.37	ug/L			10/27/21 15:11	1
Chloromethane	**0.36**	**J**	1.0	0.32	ug/L			10/27/21 15:11	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/27/21 15:11	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/27/21 15:11	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			10/27/21 15:11	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/27/21 15:11	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			10/27/21 15:11	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			10/27/21 15:11	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			10/27/21 15:11	1
Dibromomethane	<0.27		1.0	0.27	ug/L			10/27/21 15:11	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/27/21 15:11	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/27/21 15:11	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/27/21 15:11	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			10/27/21 15:11	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/27/21 15:11	1
1,2-Dichloroethane	**0.88**	**J**	1.0	0.39	ug/L			10/27/21 15:11	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			10/27/21 15:11	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			10/27/21 15:11	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/27/21 15:11	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			10/27/21 15:11	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			10/27/21 15:11	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			10/27/21 15:11	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/27/21 15:11	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/27/21 15:11	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			10/27/21 15:11	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			10/27/21 15:11	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			10/27/21 15:11	1
Naphthalene	<0.34		1.0	0.34	ug/L			10/27/21 15:11	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/27/21 15:11	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/27/21 15:11	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/27/21 15:11	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			10/27/21 15:11	1
Styrene	<0.39		1.0	0.39	ug/L			10/27/21 15:11	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/27/21 15:11	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			10/27/21 15:11	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			10/27/21 15:11	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			10/27/21 15:11	1
Toluene	<0.15		0.50	0.15	ug/L			10/27/21 15:11	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			10/27/21 15:11	1

Client Sample ID: PZ-5
Lab Sample ID: 500-206977-14
Date Collected: 10/14/21 12:50
Matrix: Water
Date Received: 10/16/21 11:30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/27/21 15:11	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			10/27/21 15:11	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/27/21 15:11	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			10/27/21 15:11	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			10/27/21 15:11	1
Trichloroethene	**1.2**		0.50	0.16	ug/L			10/27/21 15:11	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			10/27/21 15:11	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			10/27/21 15:11	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/27/21 15:11	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/27/21 15:11	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			10/27/21 15:11	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			10/27/21 15:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*72 - 124*		*10/27/21 15:11*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 120*		*10/27/21 15:11*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 126*		*10/27/21 15:11*	*1*
Toluene-d8 (Surr)	*97*		*75 - 120*		*10/27/21 15:11*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.3		4.8	2.3	ng/L		10/19/21 04:55	10/20/21 00:48	1
Perfluoropentanoic acid (PFPeA)	<0.47		1.9	0.47	ng/L		10/19/21 04:55	10/20/21 00:48	1
Perfluorohexanoic acid (PFHxA)	<0.56		1.9	0.56	ng/L		10/19/21 04:55	10/20/21 00:48	1
Perfluoroheptanoic acid (PFHpA)	<0.24		1.9	0.24	ng/L		10/19/21 04:55	10/20/21 00:48	1
Perfluorooctanoic acid (PFOA)	<0.82		1.9	0.82	ng/L		10/19/21 04:55	10/20/21 00:48	1
Perfluorononanoic acid (PFNA)	<0.26		1.9	0.26	ng/L		10/19/21 04:55	10/20/21 00:48	1
Perfluorodecanoic acid (PFDA)	<0.30		1.9	0.30	ng/L		10/19/21 04:55	10/20/21 00:48	1
Perfluoroundecanoic acid (PFUnA)	<1.1		1.9	1.1	ng/L		10/19/21 04:55	10/20/21 00:48	1
Perfluorododecanoic acid (PFDoA)	<0.53		1.9	0.53	ng/L		10/19/21 04:55	10/20/21 00:48	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.9	1.2	ng/L		10/19/21 04:55	10/20/21 00:48	1
Perfluorotetradecanoic acid (PFTeA)	<0.70		1.9	0.70	ng/L		10/19/21 04:55	10/20/21 00:48	1
Perfluorobutanesulfonic acid (PFBS)	**0.28**	**J**	1.9	0.19	ng/L		10/19/21 04:55	10/20/21 00:48	1
Perfluoropentanesulfonic acid (PFPeS)	<0.29		1.9	0.29	ng/L		10/19/21 04:55	10/20/21 00:48	1
Perfluorohexanesulfonic acid (PFHxS)	<0.55		1.9	0.55	ng/L		10/19/21 04:55	10/20/21 00:48	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.18		1.9	0.18	ng/L		10/19/21 04:55	10/20/21 00:48	1
Perfluorooctanesulfonic acid (PFOS)	<0.52		1.9	0.52	ng/L		10/19/21 04:55	10/20/21 00:48	1
Perfluorononanesulfonic acid (PFNS)	<0.36		1.9	0.36	ng/L		10/19/21 04:55	10/20/21 00:48	1
Perfluorodecanesulfonic acid (PFDS)	<0.31		1.9	0.31	ng/L		10/19/21 04:55	10/20/21 00:48	1
Perfluorododecanesulfonic acid (PFDoS)	<0.93		1.9	0.93	ng/L		10/19/21 04:55	10/20/21 00:48	1
Perfluorooctanesulfonamide (FOSA)	<0.94		1.9	0.94	ng/L		10/19/21 04:55	10/20/21 00:48	1
NEtFOSA	<0.84		1.9	0.84	ng/L		10/19/21 04:55	10/20/21 00:48	1
NMeFOSA	<0.41		1.9	0.41	ng/L		10/19/21 04:55	10/20/21 00:48	1
NMeFOSAA	<1.2		4.8	1.2	ng/L		10/19/21 04:55	10/20/21 00:48	1
NEtFOSAA	<1.2		4.8	1.2	ng/L		10/19/21 04:55	10/20/21 00:48	1
NMeFOSE	<1.3		3.8	1.3	ng/L		10/19/21 04:55	10/20/21 00:48	1
NEtFOSE	<0.82		1.9	0.82	ng/L		10/19/21 04:55	10/20/21 00:48	1

Client: Ramboll US Corporation
Job ID: 500-206977-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: PZ-5
Lab Sample ID: 500-206977-14
Date Collected: 10/14/21 12:50
Matrix: Water
Date Received: 10/16/21 11:30

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4:2 FTS	<0.23		1.9	0.23	ng/L		10/19/21 04:55	10/20/21 00:48	1
6:2 FTS	<2.4		4.8	2.4	ng/L		10/19/21 04:55	10/20/21 00:48	1
8:2 FTS	<0.44		1.9	0.44	ng/L		10/19/21 04:55	10/20/21 00:48	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.38		1.9	0.38	ng/L		10/19/21 04:55	10/20/21 00:48	1
HFPO-DA (GenX)	<1.4		3.8	1.4	ng/L		10/19/21 04:55	10/20/21 00:48	1
9Cl-PF3ONS	<0.23		1.9	0.23	ng/L		10/19/21 04:55	10/20/21 00:48	1
11Cl-PF3OUdS	<0.31		1.9	0.31	ng/L		10/19/21 04:55	10/20/21 00:48	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*89*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:48*	*1*
13C5 PFPeA	*98*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:48*	*1*
13C2 PFHxA	*94*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:48*	*1*
13C4 PFHpA	*96*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:48*	*1*
13C4 PFOA	*94*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:48*	*1*
13C5 PFNA	*96*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:48*	*1*
13C2 PFDA	*97*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:48*	*1*
13C2 PFUnA	*96*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:48*	*1*
13C2 PFDoA	*87*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:48*	*1*
13C2 PFTeDA	*88*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:48*	*1*
13C3 PFBS	*86*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:48*	*1*
18O2 PFHxS	*86*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:48*	*1*
13C4 PFOS	*89*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:48*	*1*
13C8 FOSA	*90*		*10 - 150*	*10/19/21 04:55*	*10/20/21 00:48*	*1*
d3-NMeFOSAA	*88*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:48*	*1*
d5-NEtFOSAA	*94*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:48*	*1*
d-N-MeFOSA-M	*76*		*10 - 150*	*10/19/21 04:55*	*10/20/21 00:48*	*1*
d-N-EtFOSA-M	*76*		*10 - 150*	*10/19/21 04:55*	*10/20/21 00:48*	*1*
d7-N-MeFOSE-M	*86*		*10 - 150*	*10/19/21 04:55*	*10/20/21 00:48*	*1*
d9-N-EtFOSE-M	*87*		*10 - 150*	*10/19/21 04:55*	*10/20/21 00:48*	*1*
M2-4:2 FTS	*114*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:48*	*1*
M2-6:2 FTS	*109*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:48*	*1*
M2-8:2 FTS	*104*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:48*	*1*
13C3 HFPO-DA	*93*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:48*	*1*
13C2 10:2 FTS	*104*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:48*	*1*

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**16**		1.0	0.23	ug/L		10/21/21 09:54	10/21/21 18:59	1

Client: Ramboll US Corporation
Job ID: 500-206977-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: PZ-5 DUP
Lab Sample ID: 500-206977-15
Date Collected: 10/14/21 12:50
Matrix: Water
Date Received: 10/16/21 11:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			10/27/21 15:40	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/27/21 15:40	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/27/21 15:40	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			10/27/21 15:40	1
Bromoform	<0.48		1.0	0.48	ug/L			10/27/21 15:40	1
Bromomethane	<0.80		3.0	0.80	ug/L			10/27/21 15:40	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			10/27/21 15:40	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/27/21 15:40	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/27/21 15:40	1
Chloroethane	<0.51		1.0	0.51	ug/L			10/27/21 15:40	1
Chloroform	<0.37		2.0	0.37	ug/L			10/27/21 15:40	1
Chloromethane	**0.64**	**J**	1.0	0.32	ug/L			10/27/21 15:40	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/27/21 15:40	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/27/21 15:40	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			10/27/21 15:40	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/27/21 15:40	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			10/27/21 15:40	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			10/27/21 15:40	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			10/27/21 15:40	1
Dibromomethane	<0.27		1.0	0.27	ug/L			10/27/21 15:40	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/27/21 15:40	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/27/21 15:40	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/27/21 15:40	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			10/27/21 15:40	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/27/21 15:40	1
1,2-Dichloroethane	**0.80**	**J**	1.0	0.39	ug/L			10/27/21 15:40	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			10/27/21 15:40	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			10/27/21 15:40	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/27/21 15:40	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			10/27/21 15:40	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			10/27/21 15:40	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			10/27/21 15:40	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/27/21 15:40	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/27/21 15:40	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			10/27/21 15:40	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			10/27/21 15:40	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			10/27/21 15:40	1
Naphthalene	<0.34		1.0	0.34	ug/L			10/27/21 15:40	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/27/21 15:40	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/27/21 15:40	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/27/21 15:40	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			10/27/21 15:40	1
Styrene	<0.39		1.0	0.39	ug/L			10/27/21 15:40	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/27/21 15:40	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			10/27/21 15:40	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			10/27/21 15:40	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			10/27/21 15:40	1
Toluene	<0.15		0.50	0.15	ug/L			10/27/21 15:40	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			10/27/21 15:40	1

Client: Ramboll US Corporation
Job ID: 500-206977-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: PZ-5 DUP
Lab Sample ID: 500-206977-15
Date Collected: 10/14/21 12:50
Matrix: Water
Date Received: 10/16/21 11:30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/27/21 15:40	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			10/27/21 15:40	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/27/21 15:40	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			10/27/21 15:40	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			10/27/21 15:40	1
Trichloroethene	**1.5**		0.50	0.16	ug/L			10/27/21 15:40	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			10/27/21 15:40	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			10/27/21 15:40	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/27/21 15:40	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/27/21 15:40	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			10/27/21 15:40	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			10/27/21 15:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*72 - 124*		*10/27/21 15:40*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 120*		*10/27/21 15:40*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*75 - 126*		*10/27/21 15:40*	*1*
Toluene-d8 (Surr)	*97*		*75 - 120*		*10/27/21 15:40*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.5		5.2	2.5	ng/L		10/19/21 04:55	10/20/21 00:58	1
Perfluoropentanoic acid (PFPeA)	<0.51		2.1	0.51	ng/L		10/19/21 04:55	10/20/21 00:58	1
Perfluorohexanoic acid (PFHxA)	<0.60		2.1	0.60	ng/L		10/19/21 04:55	10/20/21 00:58	1
Perfluoroheptanoic acid (PFHpA)	<0.26		2.1	0.26	ng/L		10/19/21 04:55	10/20/21 00:58	1
Perfluorooctanoic acid (PFOA)	<0.88		2.1	0.88	ng/L		10/19/21 04:55	10/20/21 00:58	1
Perfluorononanoic acid (PFNA)	<0.28		2.1	0.28	ng/L		10/19/21 04:55	10/20/21 00:58	1
Perfluorodecanoic acid (PFDA)	<0.32		2.1	0.32	ng/L		10/19/21 04:55	10/20/21 00:58	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.1	1.1	ng/L		10/19/21 04:55	10/20/21 00:58	1
Perfluorododecanoic acid (PFDoA)	<0.57		2.1	0.57	ng/L		10/19/21 04:55	10/20/21 00:58	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.1	1.3	ng/L		10/19/21 04:55	10/20/21 00:58	1
Perfluorotetradecanoic acid (PFTeA)	<0.75		2.1	0.75	ng/L		10/19/21 04:55	10/20/21 00:58	1
Perfluorobutanesulfonic acid (PFBS)	<0.21		2.1	0.21	ng/L		10/19/21 04:55	10/20/21 00:58	1
Perfluoropentanesulfonic acid (PFPeS)	<0.31		2.1	0.31	ng/L		10/19/21 04:55	10/20/21 00:58	1
Perfluorohexanesulfonic acid (PFHxS)	<0.59		2.1	0.59	ng/L		10/19/21 04:55	10/20/21 00:58	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.20		2.1	0.20	ng/L		10/19/21 04:55	10/20/21 00:58	1
Perfluorooctanesulfonic acid (PFOS)	<0.56		2.1	0.56	ng/L		10/19/21 04:55	10/20/21 00:58	1
Perfluorononanesulfonic acid (PFNS)	<0.38		2.1	0.38	ng/L		10/19/21 04:55	10/20/21 00:58	1
Perfluorodecanesulfonic acid (PFDS)	<0.33		2.1	0.33	ng/L		10/19/21 04:55	10/20/21 00:58	1
Perfluorododecanesulfonic acid (PFDoS)	<1.0		2.1	1.0	ng/L		10/19/21 04:55	10/20/21 00:58	1
Perfluorooctanesulfonamide (FOSA)	<1.0		2.1	1.0	ng/L		10/19/21 04:55	10/20/21 00:58	1
NEtFOSA	<0.90		2.1	0.90	ng/L		10/19/21 04:55	10/20/21 00:58	1
NMeFOSA	<0.44		2.1	0.44	ng/L		10/19/21 04:55	10/20/21 00:58	1
NMeFOSAA	<1.2		5.2	1.2	ng/L		10/19/21 04:55	10/20/21 00:58	1
NEtFOSAA	<1.3		5.2	1.3	ng/L		10/19/21 04:55	10/20/21 00:58	1
NMeFOSE	<1.4		4.1	1.4	ng/L		10/19/21 04:55	10/20/21 00:58	1
NEtFOSE	<0.88		2.1	0.88	ng/L		10/19/21 04:55	10/20/21 00:58	1
4:2 FTS	<0.25		2.1	0.25	ng/L		10/19/21 04:55	10/20/21 00:58	1

Client: Ramboll US Corporation
Job ID: 500-206977-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: PZ-5 DUP
Lab Sample ID: 500-206977-15
Date Collected: 10/14/21 12:50
Matrix: Water
Date Received: 10/16/21 11:30

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
6:2 FTS	<2.6		5.2	2.6	ng/L		10/19/21 04:55	10/20/21 00:58	1
8:2 FTS	<0.48		2.1	0.48	ng/L		10/19/21 04:55	10/20/21 00:58	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.41		2.1	0.41	ng/L		10/19/21 04:55	10/20/21 00:58	1
HFPO-DA (GenX)	<1.6		4.1	1.6	ng/L		10/19/21 04:55	10/20/21 00:58	1
9Cl-PF3ONS	<0.25		2.1	0.25	ng/L		10/19/21 04:55	10/20/21 00:58	1
11Cl-PF3OUdS	<0.33		2.1	0.33	ng/L		10/19/21 04:55	10/20/21 00:58	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*81*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:58*	*1*
13C5 PFPeA	*98*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:58*	*1*
13C2 PFHxA	*89*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:58*	*1*
13C4 PFHpA	*91*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:58*	*1*
13C4 PFOA	*90*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:58*	*1*
13C5 PFNA	*94*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:58*	*1*
13C2 PFDA	*93*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:58*	*1*
13C2 PFUnA	*88*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:58*	*1*
13C2 PFDoA	*84*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:58*	*1*
13C2 PFTeDA	*83*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:58*	*1*
13C3 PFBS	*83*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:58*	*1*
18O2 PFHxS	*81*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:58*	*1*
13C4 PFOS	*85*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:58*	*1*
13C8 FOSA	*83*		*10 - 150*	*10/19/21 04:55*	*10/20/21 00:58*	*1*
d3-NMeFOSAA	*82*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:58*	*1*
d5-NEtFOSAA	*85*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:58*	*1*
d-N-MeFOSA-M	*70*		*10 - 150*	*10/19/21 04:55*	*10/20/21 00:58*	*1*
d-N-EtFOSA-M	*71*		*10 - 150*	*10/19/21 04:55*	*10/20/21 00:58*	*1*
d7-N-MeFOSE-M	*80*		*10 - 150*	*10/19/21 04:55*	*10/20/21 00:58*	*1*
d9-N-EtFOSE-M	*82*		*10 - 150*	*10/19/21 04:55*	*10/20/21 00:58*	*1*
M2-4:2 FTS	*117*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:58*	*1*
M2-6:2 FTS	*97*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:58*	*1*
M2-8:2 FTS	*102*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:58*	*1*
13C3 HFPO-DA	*91*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:58*	*1*
13C2 10:2 FTS	*92*		*25 - 150*	*10/19/21 04:55*	*10/20/21 00:58*	*1*

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**16**		1.0	0.23	ug/L		10/21/21 09:54	10/21/21 19:03	1

Client: Ramboll US Corporation
Project/Site: Former Mirro 20 - Chilton 1690019558

Job ID: 500-206977-1

Client Sample ID: MW-5
Date Collected: 10/14/21 13:35
Date Received: 10/16/21 11:30

Lab Sample ID: 500-206977-16
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			10/27/21 16:08	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/27/21 16:08	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/27/21 16:08	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			10/27/21 16:08	1
Bromoform	<0.48		1.0	0.48	ug/L			10/27/21 16:08	1
Bromomethane	<0.80		3.0	0.80	ug/L			10/27/21 16:08	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			10/27/21 16:08	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/27/21 16:08	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/27/21 16:08	1
Chloroethane	<0.51		1.0	0.51	ug/L			10/27/21 16:08	1
Chloroform	<0.37		2.0	0.37	ug/L			10/27/21 16:08	1
Chloromethane	**0.57**	**J**	1.0	0.32	ug/L			10/27/21 16:08	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/27/21 16:08	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/27/21 16:08	1
cis-1,2-Dichloroethene	**1.3**		1.0	0.41	ug/L			10/27/21 16:08	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/27/21 16:08	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			10/27/21 16:08	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			10/27/21 16:08	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			10/27/21 16:08	1
Dibromomethane	<0.27		1.0	0.27	ug/L			10/27/21 16:08	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/27/21 16:08	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/27/21 16:08	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/27/21 16:08	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			10/27/21 16:08	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/27/21 16:08	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			10/27/21 16:08	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			10/27/21 16:08	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			10/27/21 16:08	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/27/21 16:08	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			10/27/21 16:08	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			10/27/21 16:08	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			10/27/21 16:08	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/27/21 16:08	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/27/21 16:08	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			10/27/21 16:08	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			10/27/21 16:08	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			10/27/21 16:08	1
Naphthalene	<0.34		1.0	0.34	ug/L			10/27/21 16:08	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/27/21 16:08	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/27/21 16:08	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/27/21 16:08	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			10/27/21 16:08	1
Styrene	<0.39		1.0	0.39	ug/L			10/27/21 16:08	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/27/21 16:08	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			10/27/21 16:08	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			10/27/21 16:08	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			10/27/21 16:08	1
Toluene	<0.15		0.50	0.15	ug/L			10/27/21 16:08	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			10/27/21 16:08	1

Client Sample ID: MW-5
Lab Sample ID: 500-206977-16
Date Collected: 10/14/21 13:35
Matrix: Water
Date Received: 10/16/21 11:30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/27/21 16:08	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			10/27/21 16:08	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/27/21 16:08	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			10/27/21 16:08	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			10/27/21 16:08	1
Trichloroethene	<0.16		0.50	0.16	ug/L			10/27/21 16:08	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			10/27/21 16:08	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			10/27/21 16:08	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/27/21 16:08	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/27/21 16:08	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			10/27/21 16:08	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			10/27/21 16:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*72 - 124*		*10/27/21 16:08*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 120*		*10/27/21 16:08*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 126*		*10/27/21 16:08*	*1*
Toluene-d8 (Surr)	*96*		*75 - 120*		*10/27/21 16:08*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.4		4.9	2.4	ng/L		10/19/21 04:55	10/20/21 01:09	1
Perfluoropentanoic acid (PFPeA)	<0.48		2.0	0.48	ng/L		10/19/21 04:55	10/20/21 01:09	1
Perfluorohexanoic acid (PFHxA)	<0.57		2.0	0.57	ng/L		10/19/21 04:55	10/20/21 01:09	1
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		10/19/21 04:55	10/20/21 01:09	1
Perfluorooctanoic acid (PFOA)	<0.83		2.0	0.83	ng/L		10/19/21 04:55	10/20/21 01:09	1
Perfluorononanoic acid (PFNA)	<0.26		2.0	0.26	ng/L		10/19/21 04:55	10/20/21 01:09	1
Perfluorodecanoic acid (PFDA)	<0.30		2.0	0.30	ng/L		10/19/21 04:55	10/20/21 01:09	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		10/19/21 04:55	10/20/21 01:09	1
Perfluorododecanoic acid (PFDoA)	<0.54		2.0	0.54	ng/L		10/19/21 04:55	10/20/21 01:09	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		10/19/21 04:55	10/20/21 01:09	1
Perfluorotetradecanoic acid (PFTeA)	<0.72		2.0	0.72	ng/L		10/19/21 04:55	10/20/21 01:09	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		10/19/21 04:55	10/20/21 01:09	1
Perfluoropentanesulfonic acid (PFPeS)	<0.29		2.0	0.29	ng/L		10/19/21 04:55	10/20/21 01:09	1
Perfluorohexanesulfonic acid (PFHxS)	<0.56		2.0	0.56	ng/L		10/19/21 04:55	10/20/21 01:09	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.19		2.0	0.19	ng/L		10/19/21 04:55	10/20/21 01:09	1
Perfluorooctanesulfonic acid (PFOS)	<0.53		2.0	0.53	ng/L		10/19/21 04:55	10/20/21 01:09	1
Perfluorononanesulfonic acid (PFNS)	<0.36		2.0	0.36	ng/L		10/19/21 04:55	10/20/21 01:09	1
Perfluorodecanesulfonic acid (PFDS)	<0.31		2.0	0.31	ng/L		10/19/21 04:55	10/20/21 01:09	1
Perfluorododecanesulfonic acid (PFDoS)	<0.95		2.0	0.95	ng/L		10/19/21 04:55	10/20/21 01:09	1
Perfluorooctanesulfonamide (FOSA)	<0.96		2.0	0.96	ng/L		10/19/21 04:55	10/20/21 01:09	1
NEtFOSA	<0.85		2.0	0.85	ng/L		10/19/21 04:55	10/20/21 01:09	1
NMeFOSA	<0.42		2.0	0.42	ng/L		10/19/21 04:55	10/20/21 01:09	1
NMeFOSAA	<1.2		4.9	1.2	ng/L		10/19/21 04:55	10/20/21 01:09	1
NEtFOSAA	<1.3		4.9	1.3	ng/L		10/19/21 04:55	10/20/21 01:09	1
NMeFOSE	<1.4		3.9	1.4	ng/L		10/19/21 04:55	10/20/21 01:09	1
NEtFOSE	<0.83		2.0	0.83	ng/L		10/19/21 04:55	10/20/21 01:09	1
4:2 FTS	<0.24		2.0	0.24	ng/L		10/19/21 04:55	10/20/21 01:09	1

Client Sample ID: MW-5
Date Collected: 10/14/21 13:35
Date Received: 10/16/21 11:30

Lab Sample ID: 500-206977-16
Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
6:2 FTS	<2.5		4.9	2.5	ng/L		10/19/21 04:55	10/20/21 01:09	1
8:2 FTS	<0.45		2.0	0.45	ng/L		10/19/21 04:55	10/20/21 01:09	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.39		2.0	0.39	ng/L		10/19/21 04:55	10/20/21 01:09	1
HFPO-DA (GenX)	<1.5		3.9	1.5	ng/L		10/19/21 04:55	10/20/21 01:09	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		10/19/21 04:55	10/20/21 01:09	1
11Cl-PF3OUdS	<0.31		2.0	0.31	ng/L		10/19/21 04:55	10/20/21 01:09	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*78*		*25 - 150*	*10/19/21 04:55*	*10/20/21 01:09*	*1*
13C5 PFPeA	*93*		*25 - 150*	*10/19/21 04:55*	*10/20/21 01:09*	*1*
13C2 PFHxA	*88*		*25 - 150*	*10/19/21 04:55*	*10/20/21 01:09*	*1*
13C4 PFHpA	*92*		*25 - 150*	*10/19/21 04:55*	*10/20/21 01:09*	*1*
13C4 PFOA	*91*		*25 - 150*	*10/19/21 04:55*	*10/20/21 01:09*	*1*
13C5 PFNA	*92*		*25 - 150*	*10/19/21 04:55*	*10/20/21 01:09*	*1*
13C2 PFDA	*89*		*25 - 150*	*10/19/21 04:55*	*10/20/21 01:09*	*1*
13C2 PFUnA	*93*		*25 - 150*	*10/19/21 04:55*	*10/20/21 01:09*	*1*
13C2 PFDoA	*91*		*25 - 150*	*10/19/21 04:55*	*10/20/21 01:09*	*1*
13C2 PFTeDA	*91*		*25 - 150*	*10/19/21 04:55*	*10/20/21 01:09*	*1*
13C3 PFBS	*86*		*25 - 150*	*10/19/21 04:55*	*10/20/21 01:09*	*1*
18O2 PFHxS	*86*		*25 - 150*	*10/19/21 04:55*	*10/20/21 01:09*	*1*
13C4 PFOS	*93*		*25 - 150*	*10/19/21 04:55*	*10/20/21 01:09*	*1*
13C8 FOSA	*85*		*10 - 150*	*10/19/21 04:55*	*10/20/21 01:09*	*1*
d3-NMeFOSAA	*84*		*25 - 150*	*10/19/21 04:55*	*10/20/21 01:09*	*1*
d5-NEtFOSAA	*85*		*25 - 150*	*10/19/21 04:55*	*10/20/21 01:09*	*1*
d-N-MeFOSA-M	*73*		*10 - 150*	*10/19/21 04:55*	*10/20/21 01:09*	*1*
d-N-EtFOSA-M	*74*		*10 - 150*	*10/19/21 04:55*	*10/20/21 01:09*	*1*
d7-N-MeFOSE-M	*80*		*10 - 150*	*10/19/21 04:55*	*10/20/21 01:09*	*1*
d9-N-EtFOSE-M	*85*		*10 - 150*	*10/19/21 04:55*	*10/20/21 01:09*	*1*
M2-4:2 FTS	*110*		*25 - 150*	*10/19/21 04:55*	*10/20/21 01:09*	*1*
M2-6:2 FTS	*108*		*25 - 150*	*10/19/21 04:55*	*10/20/21 01:09*	*1*
M2-8:2 FTS	*103*		*25 - 150*	*10/19/21 04:55*	*10/20/21 01:09*	*1*
13C3 HFPO-DA	*90*		*25 - 150*	*10/19/21 04:55*	*10/20/21 01:09*	*1*
13C2 10:2 FTS	*108*		*25 - 150*	*10/19/21 04:55*	*10/20/21 01:09*	*1*

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.72**	**J**	1.0	0.23	ug/L		10/21/21 09:54	10/21/21 19:13	1

Client: Ramboll US Corporation
Project/Site: Former Mirro 20 - Chilton 1690019558

Job ID: 500-206977-1

Client Sample ID: OMPZ-4
Date Collected: 10/14/21 14:30
Date Received: 10/16/21 11:30

Lab Sample ID: 500-206977-17
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			10/27/21 16:37	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/27/21 16:37	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/27/21 16:37	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			10/27/21 16:37	1
Bromoform	<0.48		1.0	0.48	ug/L			10/27/21 16:37	1
Bromomethane	<0.80		3.0	0.80	ug/L			10/27/21 16:37	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			10/27/21 16:37	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/27/21 16:37	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/27/21 16:37	1
Chloroethane	<0.51		1.0	0.51	ug/L			10/27/21 16:37	1
Chloroform	<0.37		2.0	0.37	ug/L			10/27/21 16:37	1
Chloromethane	<0.32		1.0	0.32	ug/L			10/27/21 16:37	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/27/21 16:37	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/27/21 16:37	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			10/27/21 16:37	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/27/21 16:37	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			10/27/21 16:37	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			10/27/21 16:37	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			10/27/21 16:37	1
Dibromomethane	<0.27		1.0	0.27	ug/L			10/27/21 16:37	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/27/21 16:37	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/27/21 16:37	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/27/21 16:37	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			10/27/21 16:37	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/27/21 16:37	1
1,2-Dichloroethane	**0.80**	**J**	1.0	0.39	ug/L			10/27/21 16:37	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			10/27/21 16:37	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			10/27/21 16:37	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/27/21 16:37	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			10/27/21 16:37	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			10/27/21 16:37	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			10/27/21 16:37	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/27/21 16:37	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/27/21 16:37	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			10/27/21 16:37	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			10/27/21 16:37	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			10/27/21 16:37	1
Naphthalene	<0.34		1.0	0.34	ug/L			10/27/21 16:37	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/27/21 16:37	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/27/21 16:37	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/27/21 16:37	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			10/27/21 16:37	1
Styrene	<0.39		1.0	0.39	ug/L			10/27/21 16:37	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/27/21 16:37	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			10/27/21 16:37	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			10/27/21 16:37	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			10/27/21 16:37	1
Toluene	<0.15		0.50	0.15	ug/L			10/27/21 16:37	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			10/27/21 16:37	1

Client: Ramboll US Corporation
Project/Site: Former Mirro 20 - Chilton 1690019558

Job ID: 500-206977-1

Client Sample ID: OMPZ-4
Date Collected: 10/14/21 14:30
Date Received: 10/16/21 11:30

Lab Sample ID: 500-206977-17
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/27/21 16:37	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			10/27/21 16:37	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/27/21 16:37	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			10/27/21 16:37	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			10/27/21 16:37	1
Trichloroethene	<0.16		0.50	0.16	ug/L			10/27/21 16:37	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			10/27/21 16:37	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			10/27/21 16:37	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/27/21 16:37	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/27/21 16:37	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			10/27/21 16:37	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			10/27/21 16:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*72 - 124*		*10/27/21 16:37*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 120*		*10/27/21 16:37*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*75 - 126*		*10/27/21 16:37*	*1*
Toluene-d8 (Surr)	*97*		*75 - 120*		*10/27/21 16:37*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.3		4.7	2.3	ng/L		10/19/21 04:55	10/20/21 01:19	1
Perfluoropentanoic acid (PFPeA)	<0.47		1.9	0.47	ng/L		10/19/21 04:55	10/20/21 01:19	1
Perfluorohexanoic acid (PFHxA)	<0.55		1.9	0.55	ng/L		10/19/21 04:55	10/20/21 01:19	1
Perfluoroheptanoic acid (PFHpA)	<0.24		1.9	0.24	ng/L		10/19/21 04:55	10/20/21 01:19	1
Perfluorooctanoic acid (PFOA)	<0.81		1.9	0.81	ng/L		10/19/21 04:55	10/20/21 01:19	1
Perfluorononanoic acid (PFNA)	<0.26		1.9	0.26	ng/L		10/19/21 04:55	10/20/21 01:19	1
Perfluorodecanoic acid (PFDA)	<0.29		1.9	0.29	ng/L		10/19/21 04:55	10/20/21 01:19	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		10/19/21 04:55	10/20/21 01:19	1
Perfluorododecanoic acid (PFDoA)	<0.52		1.9	0.52	ng/L		10/19/21 04:55	10/20/21 01:19	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.9	1.2	ng/L		10/19/21 04:55	10/20/21 01:19	1
Perfluorotetradecanoic acid (PFTeA)	<0.69		1.9	0.69	ng/L		10/19/21 04:55	10/20/21 01:19	1
Perfluorobutanesulfonic acid (PFBS)	**0.53**	**J**	1.9	0.19	ng/L		10/19/21 04:55	10/20/21 01:19	1
Perfluoropentanesulfonic acid (PFPeS)	<0.28		1.9	0.28	ng/L		10/19/21 04:55	10/20/21 01:19	1
Perfluorohexanesulfonic acid (PFHxS)	<0.54		1.9	0.54	ng/L		10/19/21 04:55	10/20/21 01:19	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.18		1.9	0.18	ng/L		10/19/21 04:55	10/20/21 01:19	1
Perfluorooctanesulfonic acid (PFOS)	**2.3**		1.9	0.51	ng/L		10/19/21 04:55	10/20/21 01:19	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		10/19/21 04:55	10/20/21 01:19	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		10/19/21 04:55	10/20/21 01:19	1
Perfluorododecanesulfonic acid (PFDoS)	<0.92		1.9	0.92	ng/L		10/19/21 04:55	10/20/21 01:19	1
Perfluorooctanesulfonamide (FOSA)	<0.93		1.9	0.93	ng/L		10/19/21 04:55	10/20/21 01:19	1
NEtFOSA	<0.83		1.9	0.83	ng/L		10/19/21 04:55	10/20/21 01:19	1
NMeFOSA	<0.41		1.9	0.41	ng/L		10/19/21 04:55	10/20/21 01:19	1
NMeFOSAA	<1.1		4.7	1.1	ng/L		10/19/21 04:55	10/20/21 01:19	1
NEtFOSAA	<1.2		4.7	1.2	ng/L		10/19/21 04:55	10/20/21 01:19	1
NMeFOSE	<1.3		3.8	1.3	ng/L		10/19/21 04:55	10/20/21 01:19	1

Client: Ramboll US Corporation
Job ID: 500-206977-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: OMPZ-4
Lab Sample ID: 500-206977-17
Date Collected: 10/14/21 14:30
Matrix: Water
Date Received: 10/16/21 11:30

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
NEtFOSE	<0.81		1.9	0.81	ng/L		10/19/21 04:55	10/20/21 01:19	1
4:2 FTS	<0.23		1.9	0.23	ng/L		10/19/21 04:55	10/20/21 01:19	1
6:2 FTS	<2.4		4.7	2.4	ng/L		10/19/21 04:55	10/20/21 01:19	1
8:2 FTS	<0.44		1.9	0.44	ng/L		10/19/21 04:55	10/20/21 01:19	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.38		1.9	0.38	ng/L		10/19/21 04:55	10/20/21 01:19	1
HFPO-DA (GenX)	<1.4		3.8	1.4	ng/L		10/19/21 04:55	10/20/21 01:19	1
9Cl-PF3ONS	<0.23		1.9	0.23	ng/L		10/19/21 04:55	10/20/21 01:19	1
11Cl-PF3OUdS	<0.30		1.9	0.30	ng/L		10/19/21 04:55	10/20/21 01:19	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*78*		*25 - 150*	*10/19/21 04:55*	*10/20/21 01:19*	*1*
13C5 PFPeA	*96*		*25 - 150*	*10/19/21 04:55*	*10/20/21 01:19*	*1*
13C2 PFHxA	*84*		*25 - 150*	*10/19/21 04:55*	*10/20/21 01:19*	*1*
13C4 PFHpA	*89*		*25 - 150*	*10/19/21 04:55*	*10/20/21 01:19*	*1*
13C4 PFOA	*99*		*25 - 150*	*10/19/21 04:55*	*10/20/21 01:19*	*1*
13C5 PFNA	*97*		*25 - 150*	*10/19/21 04:55*	*10/20/21 01:19*	*1*
13C2 PFDA	*89*		*25 - 150*	*10/19/21 04:55*	*10/20/21 01:19*	*1*
13C2 PFUnA	*90*		*25 - 150*	*10/19/21 04:55*	*10/20/21 01:19*	*1*
13C2 PFDoA	*81*		*25 - 150*	*10/19/21 04:55*	*10/20/21 01:19*	*1*
13C2 PFTeDA	*82*		*25 - 150*	*10/19/21 04:55*	*10/20/21 01:19*	*1*
13C3 PFBS	*84*		*25 - 150*	*10/19/21 04:55*	*10/20/21 01:19*	*1*
18O2 PFHxS	*79*		*25 - 150*	*10/19/21 04:55*	*10/20/21 01:19*	*1*
13C4 PFOS	*80*		*25 - 150*	*10/19/21 04:55*	*10/20/21 01:19*	*1*
13C8 FOSA	*81*		*10 - 150*	*10/19/21 04:55*	*10/20/21 01:19*	*1*
d3-NMeFOSAA	*81*		*25 - 150*	*10/19/21 04:55*	*10/20/21 01:19*	*1*
d5-NEtFOSAA	*88*		*25 - 150*	*10/19/21 04:55*	*10/20/21 01:19*	*1*
d-N-MeFOSA-M	*71*		*10 - 150*	*10/19/21 04:55*	*10/20/21 01:19*	*1*
d-N-EtFOSA-M	*70*		*10 - 150*	*10/19/21 04:55*	*10/20/21 01:19*	*1*
d7-N-MeFOSE-M	*80*		*10 - 150*	*10/19/21 04:55*	*10/20/21 01:19*	*1*
d9-N-EtFOSE-M	*84*		*10 - 150*	*10/19/21 04:55*	*10/20/21 01:19*	*1*
M2-4:2 FTS	*125*		*25 - 150*	*10/19/21 04:55*	*10/20/21 01:19*	*1*
M2-6:2 FTS	*109*		*25 - 150*	*10/19/21 04:55*	*10/20/21 01:19*	*1*
M2-8:2 FTS	*104*		*25 - 150*	*10/19/21 04:55*	*10/20/21 01:19*	*1*
13C3 HFPO-DA	*89*		*25 - 150*	*10/19/21 04:55*	*10/20/21 01:19*	*1*
13C2 10:2 FTS	*96*		*25 - 150*	*10/19/21 04:55*	*10/20/21 01:19*	*1*

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.59**	**J**	1.0	0.23	ug/L		10/21/21 09:54	10/21/21 19:16	1

Client: Ramboll US Corporation
Job ID: 500-206977-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: FB-03
Lab Sample ID: 500-206977-18
Date Collected: 10/14/21 15:00
Matrix: Water
Date Received: 10/16/21 11:30

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.2		4.7	2.2	ng/L		10/19/21 05:09	10/20/21 04:21	1
Perfluoropentanoic acid (PFPeA)	<0.46		1.9	0.46	ng/L		10/19/21 05:09	10/20/21 04:21	1
Perfluorohexanoic acid (PFHxA)	<0.54		1.9	0.54	ng/L		10/19/21 05:09	10/20/21 04:21	1
Perfluoroheptanoic acid (PFHpA)	<0.23		1.9	0.23	ng/L		10/19/21 05:09	10/20/21 04:21	1
Perfluorooctanoic acid (PFOA)	<0.79		1.9	0.79	ng/L		10/19/21 05:09	10/20/21 04:21	1
Perfluorononanoic acid (PFNA)	<0.25		1.9	0.25	ng/L		10/19/21 05:09	10/20/21 04:21	1
Perfluorodecanoic acid (PFDA)	<0.29		1.9	0.29	ng/L		10/19/21 05:09	10/20/21 04:21	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		10/19/21 05:09	10/20/21 04:21	1
Perfluorododecanoic acid (PFDoA)	<0.51		1.9	0.51	ng/L		10/19/21 05:09	10/20/21 04:21	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.9	1.2	ng/L		10/19/21 05:09	10/20/21 04:21	1
Perfluorotetradecanoic acid (PFTeA)	<0.68		1.9	0.68	ng/L		10/19/21 05:09	10/20/21 04:21	1
Perfluorobutanesulfonic acid (PFBS)	<0.19		1.9	0.19	ng/L		10/19/21 05:09	10/20/21 04:21	1
Perfluoropentanesulfonic acid (PFPeS)	<0.28		1.9	0.28	ng/L		10/19/21 05:09	10/20/21 04:21	1
Perfluorohexanesulfonic acid (PFHxS)	<0.53		1.9	0.53	ng/L		10/19/21 05:09	10/20/21 04:21	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.18		1.9	0.18	ng/L		10/19/21 05:09	10/20/21 04:21	1
Perfluorooctanesulfonic acid (PFOS)	<0.50		1.9	0.50	ng/L		10/19/21 05:09	10/20/21 04:21	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		10/19/21 05:09	10/20/21 04:21	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		10/19/21 05:09	10/20/21 04:21	1
Perfluorododecanesulfonic acid (PFDoS)	<0.90		1.9	0.90	ng/L		10/19/21 05:09	10/20/21 04:21	1
Perfluorooctanesulfonamide (FOSA)	<0.91		1.9	0.91	ng/L		10/19/21 05:09	10/20/21 04:21	1
NEtFOSA	<0.81		1.9	0.81	ng/L		10/19/21 05:09	10/20/21 04:21	1
NMeFOSA	<0.40		1.9	0.40	ng/L		10/19/21 05:09	10/20/21 04:21	1
NMeFOSAA	<1.1		4.7	1.1	ng/L		10/19/21 05:09	10/20/21 04:21	1
NEtFOSAA	<1.2		4.7	1.2	ng/L		10/19/21 05:09	10/20/21 04:21	1
NMeFOSE	<1.3		3.7	1.3	ng/L		10/19/21 05:09	10/20/21 04:21	1
NEtFOSE	<0.79		1.9	0.79	ng/L		10/19/21 05:09	10/20/21 04:21	1
4:2 FTS	<0.22		1.9	0.22	ng/L		10/19/21 05:09	10/20/21 04:21	1
6:2 FTS	<2.3		4.7	2.3	ng/L		10/19/21 05:09	10/20/21 04:21	1
8:2 FTS	<0.43		1.9	0.43	ng/L		10/19/21 05:09	10/20/21 04:21	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.37		1.9	0.37	ng/L		10/19/21 05:09	10/20/21 04:21	1
HFPO-DA (GenX)	<1.4		3.7	1.4	ng/L		10/19/21 05:09	10/20/21 04:21	1
9Cl-PF3ONS	<0.22		1.9	0.22	ng/L		10/19/21 05:09	10/20/21 04:21	1
11Cl-PF3OUdS	<0.30		1.9	0.30	ng/L		10/19/21 05:09	10/20/21 04:21	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*96*		*25 - 150*	*10/19/21 05:09*	*10/20/21 04:21*	*1*
13C5 PFPeA	*107*		*25 - 150*	*10/19/21 05:09*	*10/20/21 04:21*	*1*
13C2 PFHxA	*101*		*25 - 150*	*10/19/21 05:09*	*10/20/21 04:21*	*1*
13C4 PFHpA	*104*		*25 - 150*	*10/19/21 05:09*	*10/20/21 04:21*	*1*
13C4 PFOA	*103*		*25 - 150*	*10/19/21 05:09*	*10/20/21 04:21*	*1*
13C5 PFNA	*105*		*25 - 150*	*10/19/21 05:09*	*10/20/21 04:21*	*1*
13C2 PFDA	*107*		*25 - 150*	*10/19/21 05:09*	*10/20/21 04:21*	*1*
13C2 PFUnA	*102*		*25 - 150*	*10/19/21 05:09*	*10/20/21 04:21*	*1*
13C2 PFDoA	*99*		*25 - 150*	*10/19/21 05:09*	*10/20/21 04:21*	*1*
13C2 PFTeDA	*98*		*25 - 150*	*10/19/21 05:09*	*10/20/21 04:21*	*1*
13C3 PFBS	*99*		*25 - 150*	*10/19/21 05:09*	*10/20/21 04:21*	*1*
18O2 PFHxS	*98*		*25 - 150*	*10/19/21 05:09*	*10/20/21 04:21*	*1*

Client: Ramboll US Corporation
Job ID: 500-206977-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: FB-03
Lab Sample ID: 500-206977-18
Date Collected: 10/14/21 15:00
Matrix: Water
Date Received: 10/16/21 11:30

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFOS	100		25 - 150	10/19/21 05:09	10/20/21 04:21	1
13C8 FOSA	98		10 - 150	10/19/21 05:09	10/20/21 04:21	1
d3-NMeFOSAA	99		25 - 150	10/19/21 05:09	10/20/21 04:21	1
d5-NEtFOSAA	104		25 - 150	10/19/21 05:09	10/20/21 04:21	1
d-N-MeFOSA-M	76		10 - 150	10/19/21 05:09	10/20/21 04:21	1
d-N-EtFOSA-M	74		10 - 150	10/19/21 05:09	10/20/21 04:21	1
d7-N-MeFOSE-M	89		10 - 150	10/19/21 05:09	10/20/21 04:21	1
d9-N-EtFOSE-M	91		10 - 150	10/19/21 05:09	10/20/21 04:21	1
M2-4:2 FTS	124		25 - 150	10/19/21 05:09	10/20/21 04:21	1
M2-6:2 FTS	120		25 - 150	10/19/21 05:09	10/20/21 04:21	1
M2-8:2 FTS	114		25 - 150	10/19/21 05:09	10/20/21 04:21	1
13C3 HFPO-DA	105		25 - 150	10/19/21 05:09	10/20/21 04:21	1
13C2 10:2 FTS	114		25 - 150	10/19/21 05:09	10/20/21 04:21	1

Client: Ramboll US Corporation
Project/Site: Former Mirro 20 - Chilton 1690019558

Job ID: 500-206977-1

Client Sample ID: EB-03

Date Collected: 10/14/21 15:15
Date Received: 10/16/21 11:30

Lab Sample ID: 500-206977-19

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			10/27/21 17:06	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/27/21 17:06	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/27/21 17:06	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			10/27/21 17:06	1
Bromoform	<0.48		1.0	0.48	ug/L			10/27/21 17:06	1
Bromomethane	<0.80		3.0	0.80	ug/L			10/27/21 17:06	1
2-Butanone (MEK)	**3.3**	**J**	5.0	2.1	ug/L			10/27/21 17:06	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/27/21 17:06	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/27/21 17:06	1
Chloroethane	<0.51		1.0	0.51	ug/L			10/27/21 17:06	1
Chloroform	**0.42**	**J**	2.0	0.37	ug/L			10/27/21 17:06	1
Chloromethane	<0.32		1.0	0.32	ug/L			10/27/21 17:06	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/27/21 17:06	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/27/21 17:06	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			10/27/21 17:06	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/27/21 17:06	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			10/27/21 17:06	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			10/27/21 17:06	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			10/27/21 17:06	1
Dibromomethane	<0.27		1.0	0.27	ug/L			10/27/21 17:06	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/27/21 17:06	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/27/21 17:06	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/27/21 17:06	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			10/27/21 17:06	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/27/21 17:06	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			10/27/21 17:06	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			10/27/21 17:06	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			10/27/21 17:06	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/27/21 17:06	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			10/27/21 17:06	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			10/27/21 17:06	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			10/27/21 17:06	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/27/21 17:06	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/27/21 17:06	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			10/27/21 17:06	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			10/27/21 17:06	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			10/27/21 17:06	1
Naphthalene	<0.34		1.0	0.34	ug/L			10/27/21 17:06	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/27/21 17:06	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/27/21 17:06	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/27/21 17:06	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			10/27/21 17:06	1
Styrene	<0.39		1.0	0.39	ug/L			10/27/21 17:06	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/27/21 17:06	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			10/27/21 17:06	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			10/27/21 17:06	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			10/27/21 17:06	1
Toluene	**0.58**		0.50	0.15	ug/L			10/27/21 17:06	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			10/27/21 17:06	1

Client Sample ID: EB-03
Lab Sample ID: 500-206977-19
Date Collected: 10/14/21 15:15
Matrix: Water
Date Received: 10/16/21 11:30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/27/21 17:06	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			10/27/21 17:06	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/27/21 17:06	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			10/27/21 17:06	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			10/27/21 17:06	1
Trichloroethene	<0.16		0.50	0.16	ug/L			10/27/21 17:06	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			10/27/21 17:06	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			10/27/21 17:06	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/27/21 17:06	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/27/21 17:06	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			10/27/21 17:06	1
Xylenes, Total	**0.22**	**J**	1.0	0.22	ug/L			10/27/21 17:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*72 - 124*		*10/27/21 17:06*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 120*		*10/27/21 17:06*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*75 - 126*		*10/27/21 17:06*	*1*
Toluene-d8 (Surr)	*97*		*75 - 120*		*10/27/21 17:06*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.2		4.5	2.2	ng/L		10/19/21 05:09	10/20/21 04:31	1
Perfluoropentanoic acid (PFPeA)	<0.44		1.8	0.44	ng/L		10/19/21 05:09	10/20/21 04:31	1
Perfluorohexanoic acid (PFHxA)	<0.52		1.8	0.52	ng/L		10/19/21 05:09	10/20/21 04:31	1
Perfluoroheptanoic acid (PFHpA)	<0.23		1.8	0.23	ng/L		10/19/21 05:09	10/20/21 04:31	1
Perfluorooctanoic acid (PFOA)	<0.77		1.8	0.77	ng/L		10/19/21 05:09	10/20/21 04:31	1
Perfluorononanoic acid (PFNA)	<0.24		1.8	0.24	ng/L		10/19/21 05:09	10/20/21 04:31	1
Perfluorodecanoic acid (PFDA)	<0.28		1.8	0.28	ng/L		10/19/21 05:09	10/20/21 04:31	1
Perfluoroundecanoic acid (PFUnA)	<0.99		1.8	0.99	ng/L		10/19/21 05:09	10/20/21 04:31	1
Perfluorododecanoic acid (PFDoA)	<0.50		1.8	0.50	ng/L		10/19/21 05:09	10/20/21 04:31	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.8	1.2	ng/L		10/19/21 05:09	10/20/21 04:31	1
Perfluorotetradecanoic acid (PFTeA)	<0.66		1.8	0.66	ng/L		10/19/21 05:09	10/20/21 04:31	1
Perfluorobutanesulfonic acid (PFBS)	<0.18		1.8	0.18	ng/L		10/19/21 05:09	10/20/21 04:31	1
Perfluoropentanesulfonic acid (PFPeS)	<0.27		1.8	0.27	ng/L		10/19/21 05:09	10/20/21 04:31	1
Perfluorohexanesulfonic acid (PFHxS)	<0.51		1.8	0.51	ng/L		10/19/21 05:09	10/20/21 04:31	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.17		1.8	0.17	ng/L		10/19/21 05:09	10/20/21 04:31	1
Perfluorooctanesulfonic acid (PFOS)	<0.49		1.8	0.49	ng/L		10/19/21 05:09	10/20/21 04:31	1
Perfluorononanesulfonic acid (PFNS)	<0.33		1.8	0.33	ng/L		10/19/21 05:09	10/20/21 04:31	1
Perfluorodecanesulfonic acid (PFDS)	<0.29		1.8	0.29	ng/L		10/19/21 05:09	10/20/21 04:31	1
Perfluorododecanesulfonic acid (PFDoS)	<0.88		1.8	0.88	ng/L		10/19/21 05:09	10/20/21 04:31	1
Perfluorooctanesulfonamide (FOSA)	<0.88		1.8	0.88	ng/L		10/19/21 05:09	10/20/21 04:31	1
NEtFOSA	<0.79		1.8	0.79	ng/L		10/19/21 05:09	10/20/21 04:31	1
NMeFOSA	<0.39		1.8	0.39	ng/L		10/19/21 05:09	10/20/21 04:31	1
NMeFOSAA	<1.1		4.5	1.1	ng/L		10/19/21 05:09	10/20/21 04:31	1
NEtFOSAA	<1.2		4.5	1.2	ng/L		10/19/21 05:09	10/20/21 04:31	1
NMeFOSE	<1.3		3.6	1.3	ng/L		10/19/21 05:09	10/20/21 04:31	1
NEtFOSE	<0.77		1.8	0.77	ng/L		10/19/21 05:09	10/20/21 04:31	1
4:2 FTS	<0.22		1.8	0.22	ng/L		10/19/21 05:09	10/20/21 04:31	1

Client: Ramboll US Corporation
Job ID: 500-206977-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: EB-03
Lab Sample ID: 500-206977-19
Date Collected: 10/14/21 15:15
Matrix: Water
Date Received: 10/16/21 11:30

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
6:2 FTS	<2.3		4.5	2.3	ng/L		10/19/21 05:09	10/20/21 04:31	1
8:2 FTS	<0.42		1.8	0.42	ng/L		10/19/21 05:09	10/20/21 04:31	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.36		1.8	0.36	ng/L		10/19/21 05:09	10/20/21 04:31	1
HFPO-DA (GenX)	<1.4		3.6	1.4	ng/L		10/19/21 05:09	10/20/21 04:31	1
9Cl-PF3ONS	<0.22		1.8	0.22	ng/L		10/19/21 05:09	10/20/21 04:31	1
11Cl-PF3OUdS	<0.29		1.8	0.29	ng/L		10/19/21 05:09	10/20/21 04:31	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*93*		*25 - 150*	*10/19/21 05:09*	*10/20/21 04:31*	*1*
13C5 PFPeA	*98*		*25 - 150*	*10/19/21 05:09*	*10/20/21 04:31*	*1*
13C2 PFHxA	*95*		*25 - 150*	*10/19/21 05:09*	*10/20/21 04:31*	*1*
13C4 PFHpA	*92*		*25 - 150*	*10/19/21 05:09*	*10/20/21 04:31*	*1*
13C4 PFOA	*103*		*25 - 150*	*10/19/21 05:09*	*10/20/21 04:31*	*1*
13C5 PFNA	*106*		*25 - 150*	*10/19/21 05:09*	*10/20/21 04:31*	*1*
13C2 PFDA	*99*		*25 - 150*	*10/19/21 05:09*	*10/20/21 04:31*	*1*
13C2 PFUnA	*100*		*25 - 150*	*10/19/21 05:09*	*10/20/21 04:31*	*1*
13C2 PFDoA	*98*		*25 - 150*	*10/19/21 05:09*	*10/20/21 04:31*	*1*
13C2 PFTeDA	*96*		*25 - 150*	*10/19/21 05:09*	*10/20/21 04:31*	*1*
13C3 PFBS	*95*		*25 - 150*	*10/19/21 05:09*	*10/20/21 04:31*	*1*
18O2 PFHxS	*92*		*25 - 150*	*10/19/21 05:09*	*10/20/21 04:31*	*1*
13C4 PFOS	*98*		*25 - 150*	*10/19/21 05:09*	*10/20/21 04:31*	*1*
13C8 FOSA	*92*		*10 - 150*	*10/19/21 05:09*	*10/20/21 04:31*	*1*
d3-NMeFOSAA	*96*		*25 - 150*	*10/19/21 05:09*	*10/20/21 04:31*	*1*
d5-NEtFOSAA	*101*		*25 - 150*	*10/19/21 05:09*	*10/20/21 04:31*	*1*
d-N-MeFOSA-M	*77*		*10 - 150*	*10/19/21 05:09*	*10/20/21 04:31*	*1*
d-N-EtFOSA-M	*77*		*10 - 150*	*10/19/21 05:09*	*10/20/21 04:31*	*1*
d7-N-MeFOSE-M	*91*		*10 - 150*	*10/19/21 05:09*	*10/20/21 04:31*	*1*
d9-N-EtFOSE-M	*90*		*10 - 150*	*10/19/21 05:09*	*10/20/21 04:31*	*1*
M2-4:2 FTS	*122*		*25 - 150*	*10/19/21 05:09*	*10/20/21 04:31*	*1*
M2-6:2 FTS	*117*		*25 - 150*	*10/19/21 05:09*	*10/20/21 04:31*	*1*
M2-8:2 FTS	*116*		*25 - 150*	*10/19/21 05:09*	*10/20/21 04:31*	*1*
13C3 HFPO-DA	*99*		*25 - 150*	*10/19/21 05:09*	*10/20/21 04:31*	*1*
13C2 10:2 FTS	*117*		*25 - 150*	*10/19/21 05:09*	*10/20/21 04:31*	*1*

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.23		1.0	0.23	ug/L		10/21/21 09:54	10/21/21 19:20	1

Client: Ramboll US Corporation
Project/Site: Former Mirro 20 - Chilton 1690019558

Job ID: 500-206977-1

Client Sample ID: TRIP BLANK
Date Collected: 10/14/21 00:00
Date Received: 10/16/21 11:30

Lab Sample ID: 500-206977-20
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			10/27/21 17:35	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/27/21 17:35	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/27/21 17:35	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			10/27/21 17:35	1
Bromoform	<0.48		1.0	0.48	ug/L			10/27/21 17:35	1
Bromomethane	<0.80		3.0	0.80	ug/L			10/27/21 17:35	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			10/27/21 17:35	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/27/21 17:35	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/27/21 17:35	1
Chloroethane	<0.51		1.0	0.51	ug/L			10/27/21 17:35	1
Chloroform	<0.37		2.0	0.37	ug/L			10/27/21 17:35	1
Chloromethane	<0.32		1.0	0.32	ug/L			10/27/21 17:35	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/27/21 17:35	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/27/21 17:35	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			10/27/21 17:35	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/27/21 17:35	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			10/27/21 17:35	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			10/27/21 17:35	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			10/27/21 17:35	1
Dibromomethane	<0.27		1.0	0.27	ug/L			10/27/21 17:35	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/27/21 17:35	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/27/21 17:35	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/27/21 17:35	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			10/27/21 17:35	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/27/21 17:35	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			10/27/21 17:35	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			10/27/21 17:35	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			10/27/21 17:35	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/27/21 17:35	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			10/27/21 17:35	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			10/27/21 17:35	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			10/27/21 17:35	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/27/21 17:35	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/27/21 17:35	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			10/27/21 17:35	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			10/27/21 17:35	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			10/27/21 17:35	1
Naphthalene	<0.34		1.0	0.34	ug/L			10/27/21 17:35	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/27/21 17:35	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/27/21 17:35	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/27/21 17:35	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			10/27/21 17:35	1
Styrene	<0.39		1.0	0.39	ug/L			10/27/21 17:35	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/27/21 17:35	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			10/27/21 17:35	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			10/27/21 17:35	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			10/27/21 17:35	1
Toluene	<0.15		0.50	0.15	ug/L			10/27/21 17:35	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			10/27/21 17:35	1

Client: Ramboll US Corporation
Job ID: 500-206977-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: TRIP BLANK
Lab Sample ID: 500-206977-20
Date Collected: 10/14/21 00:00
Matrix: Water
Date Received: 10/16/21 11:30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/27/21 17:35	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			10/27/21 17:35	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/27/21 17:35	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			10/27/21 17:35	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			10/27/21 17:35	1
Trichloroethene	<0.16		0.50	0.16	ug/L			10/27/21 17:35	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			10/27/21 17:35	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			10/27/21 17:35	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/27/21 17:35	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/27/21 17:35	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			10/27/21 17:35	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			10/27/21 17:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*72 - 124*		*10/27/21 17:35*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 120*		*10/27/21 17:35*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 126*		*10/27/21 17:35*	*1*
Toluene-d8 (Surr)	*98*		*75 - 120*		*10/27/21 17:35*	*1*

Client: Ramboll US Corporation
Project/Site: Former Mirro 20 - Chilton 1690019558

Job ID: 500-206977-1

Client Sample ID: B-5A

Date Collected: 10/13/21 10:03
Date Received: 10/16/21 11:30

Lab Sample ID: 500-206977-21

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			10/27/21 06:00	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/27/21 06:00	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/27/21 06:00	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			10/27/21 06:00	1
Bromoform	<0.48		1.0	0.48	ug/L			10/27/21 06:00	1
Bromomethane	<0.80		3.0	0.80	ug/L			10/27/21 06:00	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			10/27/21 06:00	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/27/21 06:00	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/27/21 06:00	1
Chloroethane	<0.51		1.0	0.51	ug/L			10/27/21 06:00	1
Chloroform	**0.41**	**J**	2.0	0.37	ug/L			10/27/21 06:00	1
Chloromethane	<0.32		1.0	0.32	ug/L			10/27/21 06:00	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/27/21 06:00	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/27/21 06:00	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			10/27/21 06:00	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/27/21 06:00	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			10/27/21 06:00	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			10/27/21 06:00	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			10/27/21 06:00	1
Dibromomethane	<0.27		1.0	0.27	ug/L			10/27/21 06:00	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/27/21 06:00	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/27/21 06:00	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/27/21 06:00	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			10/27/21 06:00	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/27/21 06:00	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			10/27/21 06:00	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			10/27/21 06:00	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			10/27/21 06:00	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/27/21 06:00	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			10/27/21 06:00	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			10/27/21 06:00	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			10/27/21 06:00	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/27/21 06:00	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/27/21 06:00	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			10/27/21 06:00	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			10/27/21 06:00	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			10/27/21 06:00	1
Naphthalene	**0.70**	**J B**	1.0	0.34	ug/L			10/27/21 06:00	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/27/21 06:00	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/27/21 06:00	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/27/21 06:00	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			10/27/21 06:00	1
Styrene	<0.39		1.0	0.39	ug/L			10/27/21 06:00	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/27/21 06:00	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			10/27/21 06:00	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			10/27/21 06:00	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			10/27/21 06:00	1
Toluene	<0.15		0.50	0.15	ug/L			10/27/21 06:00	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			10/27/21 06:00	1

Client Sample ID: B-5A
Lab Sample ID: 500-206977-21
Date Collected: 10/13/21 10:03
Matrix: Water
Date Received: 10/16/21 11:30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/27/21 06:00	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			10/27/21 06:00	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/27/21 06:00	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			10/27/21 06:00	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			10/27/21 06:00	1
Trichloroethene	<0.16		0.50	0.16	ug/L			10/27/21 06:00	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			10/27/21 06:00	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			10/27/21 06:00	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/27/21 06:00	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/27/21 06:00	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			10/27/21 06:00	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			10/27/21 06:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*72 - 124*		*10/27/21 06:00*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 120*		*10/27/21 06:00*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*75 - 126*		*10/27/21 06:00*	*1*
Toluene-d8 (Surr)	*99*		*75 - 120*		*10/27/21 06:00*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**5.4**		4.8	2.3	ng/L		10/19/21 04:55	10/20/21 01:29	1
Perfluoropentanoic acid (PFPeA)	<0.47		1.9	0.47	ng/L		10/19/21 04:55	10/20/21 01:29	1
Perfluorohexanoic acid (PFHxA)	<0.55		1.9	0.55	ng/L		10/19/21 04:55	10/20/21 01:29	1
Perfluoroheptanoic acid (PFHpA)	<0.24		1.9	0.24	ng/L		10/19/21 04:55	10/20/21 01:29	1
Perfluorooctanoic acid (PFOA)	<0.81		1.9	0.81	ng/L		10/19/21 04:55	10/20/21 01:29	1
Perfluorononanoic acid (PFNA)	<0.26		1.9	0.26	ng/L		10/19/21 04:55	10/20/21 01:29	1
Perfluorodecanoic acid (PFDA)	<0.30		1.9	0.30	ng/L		10/19/21 04:55	10/20/21 01:29	1
Perfluoroundecanoic acid (PFUnA)	<1.1		1.9	1.1	ng/L		10/19/21 04:55	10/20/21 01:29	1
Perfluorododecanoic acid (PFDoA)	<0.53		1.9	0.53	ng/L		10/19/21 04:55	10/20/21 01:29	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.9	1.2	ng/L		10/19/21 04:55	10/20/21 01:29	1
Perfluorotetradecanoic acid (PFTeA)	<0.70		1.9	0.70	ng/L		10/19/21 04:55	10/20/21 01:29	1
Perfluorobutanesulfonic acid (PFBS)	**1.0**	**J**	1.9	0.19	ng/L		10/19/21 04:55	10/20/21 01:29	1
Perfluoropentanesulfonic acid (PFPeS)	<0.29		1.9	0.29	ng/L		10/19/21 04:55	10/20/21 01:29	1
Perfluorohexanesulfonic acid (PFHxS)	**1.3**	**J**	1.9	0.54	ng/L		10/19/21 04:55	10/20/21 01:29	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.18		1.9	0.18	ng/L		10/19/21 04:55	10/20/21 01:29	1
Perfluorooctanesulfonic acid (PFOS)	**8.4**		1.9	0.52	ng/L		10/19/21 04:55	10/20/21 01:29	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		10/19/21 04:55	10/20/21 01:29	1
Perfluorodecanesulfonic acid (PFDS)	<0.31		1.9	0.31	ng/L		10/19/21 04:55	10/20/21 01:29	1
Perfluorododecanesulfonic acid (PFDoS)	<0.93		1.9	0.93	ng/L		10/19/21 04:55	10/20/21 01:29	1
Perfluorooctanesulfonamide (FOSA)	<0.94		1.9	0.94	ng/L		10/19/21 04:55	10/20/21 01:29	1
NEtFOSA	<0.83		1.9	0.83	ng/L		10/19/21 04:55	10/20/21 01:29	1
NMeFOSA	<0.41		1.9	0.41	ng/L		10/19/21 04:55	10/20/21 01:29	1
NMeFOSAA	<1.1		4.8	1.1	ng/L		10/19/21 04:55	10/20/21 01:29	1
NEtFOSAA	<1.2		4.8	1.2	ng/L		10/19/21 04:55	10/20/21 01:29	1

Client: Ramboll US Corporation
Project/Site: Former Mirro 20 - Chilton 1690019558

Job ID: 500-206977-1

Client Sample ID: B-5A
Date Collected: 10/13/21 10:03
Date Received: 10/16/21 11:30

Lab Sample ID: 500-206977-21
Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
NMeFOSE	<1.3		3.8	1.3	ng/L		10/19/21 04:55	10/20/21 01:29	1
NEtFOSE	<0.81		1.9	0.81	ng/L		10/19/21 04:55	10/20/21 01:29	1
4:2 FTS	<0.23		1.9	0.23	ng/L		10/19/21 04:55	10/20/21 01:29	1
6:2 FTS	<2.4		4.8	2.4	ng/L		10/19/21 04:55	10/20/21 01:29	1
8:2 FTS	<0.44		1.9	0.44	ng/L		10/19/21 04:55	10/20/21 01:29	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.38		1.9	0.38	ng/L		10/19/21 04:55	10/20/21 01:29	1
HFPO-DA (GenX)	<1.4		3.8	1.4	ng/L		10/19/21 04:55	10/20/21 01:29	1
9Cl-PF3ONS	<0.23		1.9	0.23	ng/L		10/19/21 04:55	10/20/21 01:29	1
11Cl-PF3OUdS	<0.31		1.9	0.31	ng/L		10/19/21 04:55	10/20/21 01:29	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*84*		*25 - 150*	*10/19/21 04:55*	*10/20/21 01:29*	*1*
13C5 PFPeA	*100*		*25 - 150*	*10/19/21 04:55*	*10/20/21 01:29*	*1*
13C2 PFHxA	*95*		*25 - 150*	*10/19/21 04:55*	*10/20/21 01:29*	*1*
13C4 PFHpA	*96*		*25 - 150*	*10/19/21 04:55*	*10/20/21 01:29*	*1*
13C4 PFOA	*99*		*25 - 150*	*10/19/21 04:55*	*10/20/21 01:29*	*1*
13C5 PFNA	*97*		*25 - 150*	*10/19/21 04:55*	*10/20/21 01:29*	*1*
13C2 PFDA	*95*		*25 - 150*	*10/19/21 04:55*	*10/20/21 01:29*	*1*
13C2 PFUnA	*95*		*25 - 150*	*10/19/21 04:55*	*10/20/21 01:29*	*1*
13C2 PFDoA	*89*		*25 - 150*	*10/19/21 04:55*	*10/20/21 01:29*	*1*
13C2 PFTeDA	*91*		*25 - 150*	*10/19/21 04:55*	*10/20/21 01:29*	*1*
13C3 PFBS	*92*		*25 - 150*	*10/19/21 04:55*	*10/20/21 01:29*	*1*
18O2 PFHxS	*88*		*25 - 150*	*10/19/21 04:55*	*10/20/21 01:29*	*1*
13C4 PFOS	*94*		*25 - 150*	*10/19/21 04:55*	*10/20/21 01:29*	*1*
13C8 FOSA	*90*		*10 - 150*	*10/19/21 04:55*	*10/20/21 01:29*	*1*
d3-NMeFOSAA	*92*		*25 - 150*	*10/19/21 04:55*	*10/20/21 01:29*	*1*
d5-NEtFOSAA	*98*		*25 - 150*	*10/19/21 04:55*	*10/20/21 01:29*	*1*
d-N-MeFOSA-M	*78*		*10 - 150*	*10/19/21 04:55*	*10/20/21 01:29*	*1*
d-N-EtFOSA-M	*80*		*10 - 150*	*10/19/21 04:55*	*10/20/21 01:29*	*1*
d7-N-MeFOSE-M	*80*		*10 - 150*	*10/19/21 04:55*	*10/20/21 01:29*	*1*
d9-N-EtFOSE-M	*87*		*10 - 150*	*10/19/21 04:55*	*10/20/21 01:29*	*1*
M2-4:2 FTS	*118*		*25 - 150*	*10/19/21 04:55*	*10/20/21 01:29*	*1*
M2-6:2 FTS	*113*		*25 - 150*	*10/19/21 04:55*	*10/20/21 01:29*	*1*
M2-8:2 FTS	*113*		*25 - 150*	*10/19/21 04:55*	*10/20/21 01:29*	*1*
13C3 HFPO-DA	*89*		*25 - 150*	*10/19/21 04:55*	*10/20/21 01:29*	*1*
13C2 10:2 FTS	*108*		*25 - 150*	*10/19/21 04:55*	*10/20/21 01:29*	*1*

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.49**	**J**	1.0	0.23	ug/L		10/21/21 09:54	10/21/21 19:23	1

Client: Ramboll US Corporation
Project/Site: Former Mirro 20 - Chilton 1690019558

Job ID: 500-206977-1

Client Sample ID: B-9

Date Collected: 10/13/21 11:00
Date Received: 10/16/21 11:30

Lab Sample ID: 500-206977-22

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			10/27/21 06:22	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/27/21 06:22	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/27/21 06:22	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			10/27/21 06:22	1
Bromoform	<0.48		1.0	0.48	ug/L			10/27/21 06:22	1
Bromomethane	<0.80		3.0	0.80	ug/L			10/27/21 06:22	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			10/27/21 06:22	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/27/21 06:22	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/27/21 06:22	1
Chloroethane	<0.51		1.0	0.51	ug/L			10/27/21 06:22	1
Chloroform	**0.75**	**J**	2.0	0.37	ug/L			10/27/21 06:22	1
Chloromethane	<0.32		1.0	0.32	ug/L			10/27/21 06:22	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/27/21 06:22	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/27/21 06:22	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			10/27/21 06:22	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/27/21 06:22	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			10/27/21 06:22	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			10/27/21 06:22	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			10/27/21 06:22	1
Dibromomethane	<0.27		1.0	0.27	ug/L			10/27/21 06:22	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/27/21 06:22	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/27/21 06:22	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/27/21 06:22	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			10/27/21 06:22	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/27/21 06:22	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			10/27/21 06:22	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			10/27/21 06:22	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			10/27/21 06:22	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/27/21 06:22	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			10/27/21 06:22	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			10/27/21 06:22	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			10/27/21 06:22	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/27/21 06:22	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/27/21 06:22	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			10/27/21 06:22	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			10/27/21 06:22	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			10/27/21 06:22	1
Naphthalene	**0.55**	**J B**	1.0	0.34	ug/L			10/27/21 06:22	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/27/21 06:22	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/27/21 06:22	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/27/21 06:22	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			10/27/21 06:22	1
Styrene	<0.39		1.0	0.39	ug/L			10/27/21 06:22	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/27/21 06:22	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			10/27/21 06:22	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			10/27/21 06:22	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			10/27/21 06:22	1
Toluene	<0.15		0.50	0.15	ug/L			10/27/21 06:22	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			10/27/21 06:22	1

Client Sample ID: B-9
Lab Sample ID: 500-206977-22
Date Collected: 10/13/21 11:00
Matrix: Water
Date Received: 10/16/21 11:30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/27/21 06:22	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			10/27/21 06:22	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/27/21 06:22	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			10/27/21 06:22	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			10/27/21 06:22	1
Trichloroethene	<0.16		0.50	0.16	ug/L			10/27/21 06:22	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			10/27/21 06:22	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			10/27/21 06:22	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/27/21 06:22	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/27/21 06:22	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			10/27/21 06:22	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			10/27/21 06:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*72 - 124*		*10/27/21 06:22*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 120*		*10/27/21 06:22*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*75 - 126*		*10/27/21 06:22*	*1*
Toluene-d8 (Surr)	*99*		*75 - 120*		*10/27/21 06:22*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.3		4.8	2.3	ng/L		10/19/21 04:55	10/20/21 01:39	1
Perfluoropentanoic acid (PFPeA)	<0.47		1.9	0.47	ng/L		10/19/21 04:55	10/20/21 01:39	1
Perfluorohexanoic acid (PFHxA)	<0.55		1.9	0.55	ng/L		10/19/21 04:55	10/20/21 01:39	1
Perfluoroheptanoic acid (PFHpA)	<0.24		1.9	0.24	ng/L		10/19/21 04:55	10/20/21 01:39	1
Perfluorooctanoic acid (PFOA)	<0.81		1.9	0.81	ng/L		10/19/21 04:55	10/20/21 01:39	1
Perfluorononanoic acid (PFNA)	<0.26		1.9	0.26	ng/L		10/19/21 04:55	10/20/21 01:39	1
Perfluorodecanoic acid (PFDA)	<0.29		1.9	0.29	ng/L		10/19/21 04:55	10/20/21 01:39	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		10/19/21 04:55	10/20/21 01:39	1
Perfluorododecanoic acid (PFDoA)	<0.52		1.9	0.52	ng/L		10/19/21 04:55	10/20/21 01:39	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.9	1.2	ng/L		10/19/21 04:55	10/20/21 01:39	1
Perfluorotetradecanoic acid (PFTeA)	<0.69		1.9	0.69	ng/L		10/19/21 04:55	10/20/21 01:39	1
Perfluorobutanesulfonic acid (PFBS)	**0.90**	**J**	1.9	0.19	ng/L		10/19/21 04:55	10/20/21 01:39	1
Perfluoropentanesulfonic acid (PFPeS)	<0.29		1.9	0.29	ng/L		10/19/21 04:55	10/20/21 01:39	1
Perfluorohexanesulfonic acid (PFHxS)	**1.2**	**J**	1.9	0.54	ng/L		10/19/21 04:55	10/20/21 01:39	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.18		1.9	0.18	ng/L		10/19/21 04:55	10/20/21 01:39	1
Perfluorooctanesulfonic acid (PFOS)	**2.3**		1.9	0.51	ng/L		10/19/21 04:55	10/20/21 01:39	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		10/19/21 04:55	10/20/21 01:39	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		10/19/21 04:55	10/20/21 01:39	1
Perfluorododecanesulfonic acid (PFDoS)	<0.92		1.9	0.92	ng/L		10/19/21 04:55	10/20/21 01:39	1
Perfluorooctanesulfonamide (FOSA)	<0.93		1.9	0.93	ng/L		10/19/21 04:55	10/20/21 01:39	1
NEtFOSA	<0.83		1.9	0.83	ng/L		10/19/21 04:55	10/20/21 01:39	1
NMeFOSA	<0.41		1.9	0.41	ng/L		10/19/21 04:55	10/20/21 01:39	1
NMeFOSAA	<1.1		4.8	1.1	ng/L		10/19/21 04:55	10/20/21 01:39	1
NEtFOSAA	<1.2		4.8	1.2	ng/L		10/19/21 04:55	10/20/21 01:39	1

Client: Ramboll US Corporation
Job ID: 500-206977-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: B-9
Lab Sample ID: 500-206977-22
Date Collected: 10/13/21 11:00
Matrix: Water
Date Received: 10/16/21 11:30

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
NMeFOSE	<1.3		3.8	1.3	ng/L		10/19/21 04:55	10/20/21 01:39	1
NEtFOSE	<0.81		1.9	0.81	ng/L		10/19/21 04:55	10/20/21 01:39	1
4:2 FTS	<0.23		1.9	0.23	ng/L		10/19/21 04:55	10/20/21 01:39	1
6:2 FTS	<2.4		4.8	2.4	ng/L		10/19/21 04:55	10/20/21 01:39	1
8:2 FTS	<0.44		1.9	0.44	ng/L		10/19/21 04:55	10/20/21 01:39	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.38		1.9	0.38	ng/L		10/19/21 04:55	10/20/21 01:39	1
HFPO-DA (GenX)	<1.4		3.8	1.4	ng/L		10/19/21 04:55	10/20/21 01:39	1
9Cl-PF3ONS	<0.23		1.9	0.23	ng/L		10/19/21 04:55	10/20/21 01:39	1
11Cl-PF3OUdS	<0.30		1.9	0.30	ng/L		10/19/21 04:55	10/20/21 01:39	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*80*		*25 - 150*	*10/19/21 04:55*	*10/20/21 01:39*	*1*
13C5 PFPeA	*89*		*25 - 150*	*10/19/21 04:55*	*10/20/21 01:39*	*1*
13C2 PFHxA	*89*		*25 - 150*	*10/19/21 04:55*	*10/20/21 01:39*	*1*
13C4 PFHpA	*87*		*25 - 150*	*10/19/21 04:55*	*10/20/21 01:39*	*1*
13C4 PFOA	*90*		*25 - 150*	*10/19/21 04:55*	*10/20/21 01:39*	*1*
13C5 PFNA	*91*		*25 - 150*	*10/19/21 04:55*	*10/20/21 01:39*	*1*
13C2 PFDA	*91*		*25 - 150*	*10/19/21 04:55*	*10/20/21 01:39*	*1*
13C2 PFUnA	*90*		*25 - 150*	*10/19/21 04:55*	*10/20/21 01:39*	*1*
13C2 PFDoA	*92*		*25 - 150*	*10/19/21 04:55*	*10/20/21 01:39*	*1*
13C2 PFTeDA	*90*		*25 - 150*	*10/19/21 04:55*	*10/20/21 01:39*	*1*
13C3 PFBS	*88*		*25 - 150*	*10/19/21 04:55*	*10/20/21 01:39*	*1*
18O2 PFHxS	*81*		*25 - 150*	*10/19/21 04:55*	*10/20/21 01:39*	*1*
13C4 PFOS	*86*		*25 - 150*	*10/19/21 04:55*	*10/20/21 01:39*	*1*
13C8 FOSA	*84*		*10 - 150*	*10/19/21 04:55*	*10/20/21 01:39*	*1*
d3-NMeFOSAA	*82*		*25 - 150*	*10/19/21 04:55*	*10/20/21 01:39*	*1*
d5-NEtFOSAA	*91*		*25 - 150*	*10/19/21 04:55*	*10/20/21 01:39*	*1*
d-N-MeFOSA-M	*74*		*10 - 150*	*10/19/21 04:55*	*10/20/21 01:39*	*1*
d-N-EtFOSA-M	*76*		*10 - 150*	*10/19/21 04:55*	*10/20/21 01:39*	*1*
d7-N-MeFOSE-M	*80*		*10 - 150*	*10/19/21 04:55*	*10/20/21 01:39*	*1*
d9-N-EtFOSE-M	*84*		*10 - 150*	*10/19/21 04:55*	*10/20/21 01:39*	*1*
M2-4:2 FTS	*115*		*25 - 150*	*10/19/21 04:55*	*10/20/21 01:39*	*1*
M2-6:2 FTS	*99*		*25 - 150*	*10/19/21 04:55*	*10/20/21 01:39*	*1*
M2-8:2 FTS	*103*		*25 - 150*	*10/19/21 04:55*	*10/20/21 01:39*	*1*
13C3 HFPO-DA	*90*		*25 - 150*	*10/19/21 04:55*	*10/20/21 01:39*	*1*
13C2 10:2 FTS	*133*		*25 - 150*	*10/19/21 04:55*	*10/20/21 01:39*	*1*

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.74**	**J**	1.0	0.23	ug/L		10/21/21 09:54	10/21/21 19:27	1

Client: Ramboll US Corporation
Project/Site: Former Mirro 20 - Chilton 1690019558

Job ID: 500-206977-1

Client Sample ID: B-12
Date Collected: 10/13/21 11:56
Date Received: 10/16/21 11:30

Lab Sample ID: 500-206977-23
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			10/27/21 06:44	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/27/21 06:44	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/27/21 06:44	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			10/27/21 06:44	1
Bromoform	<0.48		1.0	0.48	ug/L			10/27/21 06:44	1
Bromomethane	<0.80		3.0	0.80	ug/L			10/27/21 06:44	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			10/27/21 06:44	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/27/21 06:44	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/27/21 06:44	1
Chloroethane	<0.51		1.0	0.51	ug/L			10/27/21 06:44	1
Chloroform	<0.37		2.0	0.37	ug/L			10/27/21 06:44	1
Chloromethane	<0.32		1.0	0.32	ug/L			10/27/21 06:44	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/27/21 06:44	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/27/21 06:44	1
cis-1,2-Dichloroethene	**36**		1.0	0.41	ug/L			10/27/21 06:44	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/27/21 06:44	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			10/27/21 06:44	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			10/27/21 06:44	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			10/27/21 06:44	1
Dibromomethane	<0.27		1.0	0.27	ug/L			10/27/21 06:44	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/27/21 06:44	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/27/21 06:44	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/27/21 06:44	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			10/27/21 06:44	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/27/21 06:44	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			10/27/21 06:44	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			10/27/21 06:44	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			10/27/21 06:44	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/27/21 06:44	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			10/27/21 06:44	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			10/27/21 06:44	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			10/27/21 06:44	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/27/21 06:44	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/27/21 06:44	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			10/27/21 06:44	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			10/27/21 06:44	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			10/27/21 06:44	1
Naphthalene	**0.58**	**J B**	1.0	0.34	ug/L			10/27/21 06:44	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/27/21 06:44	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/27/21 06:44	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/27/21 06:44	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			10/27/21 06:44	1
Styrene	<0.39		1.0	0.39	ug/L			10/27/21 06:44	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/27/21 06:44	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			10/27/21 06:44	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			10/27/21 06:44	1
Tetrachloroethene	**4.8**		1.0	0.37	ug/L			10/27/21 06:44	1
Toluene	<0.15		0.50	0.15	ug/L			10/27/21 06:44	1
trans-1,2-Dichloroethene	**1.4**		1.0	0.35	ug/L			10/27/21 06:44	1

Client Sample ID: B-12
Lab Sample ID: 500-206977-23
Date Collected: 10/13/21 11:56
Matrix: Water
Date Received: 10/16/21 11:30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/27/21 06:44	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			10/27/21 06:44	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/27/21 06:44	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			10/27/21 06:44	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			10/27/21 06:44	1
Trichloroethene	**4.2**		0.50	0.16	ug/L			10/27/21 06:44	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			10/27/21 06:44	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			10/27/21 06:44	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/27/21 06:44	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/27/21 06:44	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			10/27/21 06:44	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			10/27/21 06:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*72 - 124*		*10/27/21 06:44*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 120*		*10/27/21 06:44*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*75 - 126*		*10/27/21 06:44*	*1*
Toluene-d8 (Surr)	*98*		*75 - 120*		*10/27/21 06:44*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.3		4.8	2.3	ng/L		10/19/21 04:55	10/20/21 02:19	1
Perfluoropentanoic acid (PFPeA)	<0.47		1.9	0.47	ng/L		10/19/21 04:55	10/20/21 02:19	1
Perfluorohexanoic acid (PFHxA)	<0.56		1.9	0.56	ng/L		10/19/21 04:55	10/20/21 02:19	1
Perfluoroheptanoic acid (PFHpA)	<0.24		1.9	0.24	ng/L		10/19/21 04:55	10/20/21 02:19	1
Perfluorooctanoic acid (PFOA)	**0.88**	**J**	1.9	0.82	ng/L		10/19/21 04:55	10/20/21 02:19	1
Perfluorononanoic acid (PFNA)	<0.26		1.9	0.26	ng/L		10/19/21 04:55	10/20/21 02:19	1
Perfluorodecanoic acid (PFDA)	<0.30		1.9	0.30	ng/L		10/19/21 04:55	10/20/21 02:19	1
Perfluoroundecanoic acid (PFUnA)	<1.1		1.9	1.1	ng/L		10/19/21 04:55	10/20/21 02:19	1
Perfluorododecanoic acid (PFDoA)	<0.53		1.9	0.53	ng/L		10/19/21 04:55	10/20/21 02:19	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		1.9	1.3	ng/L		10/19/21 04:55	10/20/21 02:19	1
Perfluorotetradecanoic acid (PFTeA)	<0.71		1.9	0.71	ng/L		10/19/21 04:55	10/20/21 02:19	1
Perfluorobutanesulfonic acid (PFBS)	**1.0**	**J**	1.9	0.19	ng/L		10/19/21 04:55	10/20/21 02:19	1
Perfluoropentanesulfonic acid (PFPeS)	<0.29		1.9	0.29	ng/L		10/19/21 04:55	10/20/21 02:19	1
Perfluorohexanesulfonic acid (PFHxS)	**1.0**	**J**	1.9	0.55	ng/L		10/19/21 04:55	10/20/21 02:19	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.18		1.9	0.18	ng/L		10/19/21 04:55	10/20/21 02:19	1
Perfluorooctanesulfonic acid (PFOS)	**0.86**	**J**	1.9	0.52	ng/L		10/19/21 04:55	10/20/21 02:19	1
Perfluorononanesulfonic acid (PFNS)	<0.36		1.9	0.36	ng/L		10/19/21 04:55	10/20/21 02:19	1
Perfluorodecanesulfonic acid (PFDS)	<0.31		1.9	0.31	ng/L		10/19/21 04:55	10/20/21 02:19	1
Perfluorododecanesulfonic acid (PFDoS)	<0.94		1.9	0.94	ng/L		10/19/21 04:55	10/20/21 02:19	1
Perfluorooctanesulfonamide (FOSA)	<0.95		1.9	0.95	ng/L		10/19/21 04:55	10/20/21 02:19	1
NEtFOSA	<0.84		1.9	0.84	ng/L		10/19/21 04:55	10/20/21 02:19	1
NMeFOSA	<0.42		1.9	0.42	ng/L		10/19/21 04:55	10/20/21 02:19	1
NMeFOSAA	<1.2		4.8	1.2	ng/L		10/19/21 04:55	10/20/21 02:19	1
NEtFOSAA	<1.3		4.8	1.3	ng/L		10/19/21 04:55	10/20/21 02:19	1

Client: Ramboll US Corporation
Project/Site: Former Mirro 20 - Chilton 1690019558

Job ID: 500-206977-1

Client Sample ID: B-12
Date Collected: 10/13/21 11:56
Date Received: 10/16/21 11:30

Lab Sample ID: 500-206977-23
Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
NMeFOSE	<1.4		3.9	1.4	ng/L		10/19/21 04:55	10/20/21 02:19	1
NEtFOSE	<0.82		1.9	0.82	ng/L		10/19/21 04:55	10/20/21 02:19	1
4:2 FTS	<0.23		1.9	0.23	ng/L		10/19/21 04:55	10/20/21 02:19	1
6:2 FTS	<2.4		4.8	2.4	ng/L		10/19/21 04:55	10/20/21 02:19	1
8:2 FTS	<0.45		1.9	0.45	ng/L		10/19/21 04:55	10/20/21 02:19	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.39		1.9	0.39	ng/L		10/19/21 04:55	10/20/21 02:19	1
HFPO-DA (GenX)	<1.5		3.9	1.5	ng/L		10/19/21 04:55	10/20/21 02:19	1
9Cl-PF3ONS	<0.23		1.9	0.23	ng/L		10/19/21 04:55	10/20/21 02:19	1
11Cl-PF3OUdS	<0.31		1.9	0.31	ng/L		10/19/21 04:55	10/20/21 02:19	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*86*		*25 - 150*	*10/19/21 04:55*	*10/20/21 02:19*	*1*
13C5 PFPeA	*101*		*25 - 150*	*10/19/21 04:55*	*10/20/21 02:19*	*1*
13C2 PFHxA	*95*		*25 - 150*	*10/19/21 04:55*	*10/20/21 02:19*	*1*
13C4 PFHpA	*90*		*25 - 150*	*10/19/21 04:55*	*10/20/21 02:19*	*1*
13C4 PFOA	*93*		*25 - 150*	*10/19/21 04:55*	*10/20/21 02:19*	*1*
13C5 PFNA	*101*		*25 - 150*	*10/19/21 04:55*	*10/20/21 02:19*	*1*
13C2 PFDA	*92*		*25 - 150*	*10/19/21 04:55*	*10/20/21 02:19*	*1*
13C2 PFUnA	*94*		*25 - 150*	*10/19/21 04:55*	*10/20/21 02:19*	*1*
13C2 PFDoA	*91*		*25 - 150*	*10/19/21 04:55*	*10/20/21 02:19*	*1*
13C2 PFTeDA	*91*		*25 - 150*	*10/19/21 04:55*	*10/20/21 02:19*	*1*
13C3 PFBS	*91*		*25 - 150*	*10/19/21 04:55*	*10/20/21 02:19*	*1*
18O2 PFHxS	*90*		*25 - 150*	*10/19/21 04:55*	*10/20/21 02:19*	*1*
13C4 PFOS	*98*		*25 - 150*	*10/19/21 04:55*	*10/20/21 02:19*	*1*
13C8 FOSA	*91*		*10 - 150*	*10/19/21 04:55*	*10/20/21 02:19*	*1*
d3-NMeFOSAA	*85*		*25 - 150*	*10/19/21 04:55*	*10/20/21 02:19*	*1*
d5-NEtFOSAA	*89*		*25 - 150*	*10/19/21 04:55*	*10/20/21 02:19*	*1*
d-N-MeFOSA-M	*78*		*10 - 150*	*10/19/21 04:55*	*10/20/21 02:19*	*1*
d-N-EtFOSA-M	*77*		*10 - 150*	*10/19/21 04:55*	*10/20/21 02:19*	*1*
d7-N-MeFOSE-M	*85*		*10 - 150*	*10/19/21 04:55*	*10/20/21 02:19*	*1*
d9-N-EtFOSE-M	*88*		*10 - 150*	*10/19/21 04:55*	*10/20/21 02:19*	*1*
M2-4:2 FTS	*127*		*25 - 150*	*10/19/21 04:55*	*10/20/21 02:19*	*1*
M2-6:2 FTS	*105*		*25 - 150*	*10/19/21 04:55*	*10/20/21 02:19*	*1*
M2-8:2 FTS	*107*		*25 - 150*	*10/19/21 04:55*	*10/20/21 02:19*	*1*
13C3 HFPO-DA	*92*		*25 - 150*	*10/19/21 04:55*	*10/20/21 02:19*	*1*
13C2 10:2 FTS	*101*		*25 - 150*	*10/19/21 04:55*	*10/20/21 02:19*	*1*

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**3.9**		1.0	0.23	ug/L		10/22/21 09:55	10/25/21 16:29	1

Client: Ramboll US Corporation
Project/Site: Former Mirro 20 - Chilton 1690019558

Job ID: 500-206977-1

Client Sample ID: PZ-13
Date Collected: 10/13/21 13:15
Date Received: 10/16/21 11:30

Lab Sample ID: 500-206977-24
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			10/27/21 07:06	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/27/21 07:06	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/27/21 07:06	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			10/27/21 07:06	1
Bromoform	<0.48		1.0	0.48	ug/L			10/27/21 07:06	1
Bromomethane	<0.80		3.0	0.80	ug/L			10/27/21 07:06	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			10/27/21 07:06	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/27/21 07:06	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/27/21 07:06	1
Chloroethane	<0.51		1.0	0.51	ug/L			10/27/21 07:06	1
Chloroform	<0.37		2.0	0.37	ug/L			10/27/21 07:06	1
Chloromethane	<0.32		1.0	0.32	ug/L			10/27/21 07:06	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/27/21 07:06	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/27/21 07:06	1
cis-1,2-Dichloroethene	**30**		1.0	0.41	ug/L			10/27/21 07:06	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/27/21 07:06	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			10/27/21 07:06	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			10/27/21 07:06	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			10/27/21 07:06	1
Dibromomethane	<0.27		1.0	0.27	ug/L			10/27/21 07:06	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/27/21 07:06	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/27/21 07:06	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/27/21 07:06	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			10/27/21 07:06	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/27/21 07:06	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			10/27/21 07:06	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			10/27/21 07:06	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			10/27/21 07:06	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/27/21 07:06	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			10/27/21 07:06	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			10/27/21 07:06	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			10/27/21 07:06	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/27/21 07:06	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/27/21 07:06	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			10/27/21 07:06	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			10/27/21 07:06	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			10/27/21 07:06	1
Naphthalene	**0.52**	**J B**	1.0	0.34	ug/L			10/27/21 07:06	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/27/21 07:06	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/27/21 07:06	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/27/21 07:06	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			10/27/21 07:06	1
Styrene	<0.39		1.0	0.39	ug/L			10/27/21 07:06	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/27/21 07:06	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			10/27/21 07:06	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			10/27/21 07:06	1
Tetrachloroethene	**12**		1.0	0.37	ug/L			10/27/21 07:06	1
Toluene	<0.15		0.50	0.15	ug/L			10/27/21 07:06	1
trans-1,2-Dichloroethene	**0.92**	**J**	1.0	0.35	ug/L			10/27/21 07:06	1

Client: Ramboll US Corporation
Job ID: 500-206977-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: PZ-13
Lab Sample ID: 500-206977-24
Date Collected: 10/13/21 13:15
Matrix: Water
Date Received: 10/16/21 11:30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/27/21 07:06	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			10/27/21 07:06	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/27/21 07:06	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			10/27/21 07:06	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			10/27/21 07:06	1
Trichloroethene	**2.0**		0.50	0.16	ug/L			10/27/21 07:06	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			10/27/21 07:06	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			10/27/21 07:06	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/27/21 07:06	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/27/21 07:06	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			10/27/21 07:06	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			10/27/21 07:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*72 - 124*		*10/27/21 07:06*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 120*		*10/27/21 07:06*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*75 - 126*		*10/27/21 07:06*	*1*
Toluene-d8 (Surr)	*99*		*75 - 120*		*10/27/21 07:06*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.26		0.85	0.26	ug/L		10/18/21 06:31	10/20/21 19:15	1
Acenaphthylene	<0.23		0.85	0.23	ug/L		10/18/21 06:31	10/20/21 19:15	1
Anthracene	<0.28		0.85	0.28	ug/L		10/18/21 06:31	10/20/21 19:15	1
Benzo[a]anthracene	<0.048		0.17	0.048	ug/L		10/18/21 06:31	10/20/21 19:15	1
Benzo[a]pyrene	<0.084		0.17	0.084	ug/L		10/18/21 06:31	10/20/21 19:15	1
Benzo[b]fluoranthene	<0.068		0.17	0.068	ug/L		10/18/21 06:31	10/20/21 19:15	1
Benzo[g,h,i]perylene	<0.32		0.85	0.32	ug/L		10/18/21 06:31	10/20/21 19:15	1
Benzo[k]fluoranthene	<0.054		0.17	0.054	ug/L		10/18/21 06:31	10/20/21 19:15	1
Chrysene	<0.058		0.17	0.058	ug/L		10/18/21 06:31	10/20/21 19:15	1
Dibenz(a,h)anthracene	<0.043		0.25	0.043	ug/L		10/18/21 06:31	10/20/21 19:15	1
Fluoranthene	<0.39		0.85	0.39	ug/L		10/18/21 06:31	10/20/21 19:15	1
Fluorene	<0.21		0.85	0.21	ug/L		10/18/21 06:31	10/20/21 19:15	1
Indeno[1,2,3-cd]pyrene	<0.063		0.17	0.063	ug/L		10/18/21 06:31	10/20/21 19:15	1
Naphthalene	<0.26		0.85	0.26	ug/L		10/18/21 06:31	10/20/21 19:15	1
Phenanthrene	<0.26		0.85	0.26	ug/L		10/18/21 06:31	10/20/21 19:15	1
Pyrene	<0.36		0.85	0.36	ug/L		10/18/21 06:31	10/20/21 19:15	1
1-Methylnaphthalene	<0.26		1.7	0.26	ug/L		10/18/21 06:31	10/20/21 19:15	1
2-Methylnaphthalene	<0.055		1.7	0.055	ug/L		10/18/21 06:31	10/20/21 19:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*74*		*36 - 120*	*10/18/21 06:31*	*10/20/21 19:15*	*1*
Terphenyl-d14 (Surr)	*104*		*40 - 145*	*10/18/21 06:31*	*10/20/21 19:15*	*1*
2-Fluorobiphenyl (Surr)	*70*		*34 - 110*	*10/18/21 06:31*	*10/20/21 19:15*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.2		4.7	2.2	ng/L		10/19/21 04:55	10/20/21 02:29	1
Perfluoropentanoic acid (PFPeA)	<0.46		1.9	0.46	ng/L		10/19/21 04:55	10/20/21 02:29	1
Perfluorohexanoic acid (PFHxA)	<0.54		1.9	0.54	ng/L		10/19/21 04:55	10/20/21 02:29	1

Client Sample ID: PZ-13
Lab Sample ID: 500-206977-24
Date Collected: 10/13/21 13:15
Matrix: Water
Date Received: 10/16/21 11:30

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoroheptanoic acid (PFHpA)	<0.23		1.9	0.23	ng/L		10/19/21 04:55	10/20/21 02:29	1
Perfluorooctanoic acid (PFOA)	<0.79		1.9	0.79	ng/L		10/19/21 04:55	10/20/21 02:29	1
Perfluorononanoic acid (PFNA)	<0.25		1.9	0.25	ng/L		10/19/21 04:55	10/20/21 02:29	1
Perfluorodecanoic acid (PFDA)	<0.29		1.9	0.29	ng/L		10/19/21 04:55	10/20/21 02:29	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		10/19/21 04:55	10/20/21 02:29	1
Perfluorododecanoic acid (PFDoA)	<0.51		1.9	0.51	ng/L		10/19/21 04:55	10/20/21 02:29	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.9	1.2	ng/L		10/19/21 04:55	10/20/21 02:29	1
Perfluorotetradecanoic acid (PFTeA)	<0.68		1.9	0.68	ng/L		10/19/21 04:55	10/20/21 02:29	1
Perfluorobutanesulfonic acid (PFBS)	**1.1**	**J**	1.9	0.19	ng/L		10/19/21 04:55	10/20/21 02:29	1
Perfluoropentanesulfonic acid (PFPeS)	<0.28		1.9	0.28	ng/L		10/19/21 04:55	10/20/21 02:29	1
Perfluorohexanesulfonic acid (PFHxS)	**0.90**	**J**	1.9	0.53	ng/L		10/19/21 04:55	10/20/21 02:29	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.18		1.9	0.18	ng/L		10/19/21 04:55	10/20/21 02:29	1
Perfluorooctanesulfonic acid (PFOS)	**0.64**	**J I**	1.9	0.50	ng/L		10/19/21 04:55	10/20/21 02:29	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		10/19/21 04:55	10/20/21 02:29	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		10/19/21 04:55	10/20/21 02:29	1
Perfluorododecanesulfonic acid (PFDoS)	<0.90		1.9	0.90	ng/L		10/19/21 04:55	10/20/21 02:29	1
Perfluorooctanesulfonamide (FOSA)	<0.91		1.9	0.91	ng/L		10/19/21 04:55	10/20/21 02:29	1
NEtFOSA	<0.81		1.9	0.81	ng/L		10/19/21 04:55	10/20/21 02:29	1
NMeFOSA	<0.40		1.9	0.40	ng/L		10/19/21 04:55	10/20/21 02:29	1
NMeFOSAA	<1.1		4.7	1.1	ng/L		10/19/21 04:55	10/20/21 02:29	1
NEtFOSAA	<1.2		4.7	1.2	ng/L		10/19/21 04:55	10/20/21 02:29	1
NMeFOSE	<1.3		3.7	1.3	ng/L		10/19/21 04:55	10/20/21 02:29	1
NEtFOSE	<0.79		1.9	0.79	ng/L		10/19/21 04:55	10/20/21 02:29	1
4:2 FTS	<0.22		1.9	0.22	ng/L		10/19/21 04:55	10/20/21 02:29	1
6:2 FTS	<2.3		4.7	2.3	ng/L		10/19/21 04:55	10/20/21 02:29	1
8:2 FTS	<0.43		1.9	0.43	ng/L		10/19/21 04:55	10/20/21 02:29	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.37		1.9	0.37	ng/L		10/19/21 04:55	10/20/21 02:29	1
HFPO-DA (GenX)	<1.4		3.7	1.4	ng/L		10/19/21 04:55	10/20/21 02:29	1
9Cl-PF3ONS	<0.22		1.9	0.22	ng/L		10/19/21 04:55	10/20/21 02:29	1
11Cl-PF3OUdS	<0.30		1.9	0.30	ng/L		10/19/21 04:55	10/20/21 02:29	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*86*		*25 - 150*	*10/19/21 04:55*	*10/20/21 02:29*	*1*
13C5 PFPeA	*91*		*25 - 150*	*10/19/21 04:55*	*10/20/21 02:29*	*1*
13C2 PFHxA	*90*		*25 - 150*	*10/19/21 04:55*	*10/20/21 02:29*	*1*
13C4 PFHpA	*93*		*25 - 150*	*10/19/21 04:55*	*10/20/21 02:29*	*1*
13C4 PFOA	*96*		*25 - 150*	*10/19/21 04:55*	*10/20/21 02:29*	*1*
13C5 PFNA	*95*		*25 - 150*	*10/19/21 04:55*	*10/20/21 02:29*	*1*
13C2 PFDA	*92*		*25 - 150*	*10/19/21 04:55*	*10/20/21 02:29*	*1*
13C2 PFUnA	*91*		*25 - 150*	*10/19/21 04:55*	*10/20/21 02:29*	*1*
13C2 PFDoA	*91*		*25 - 150*	*10/19/21 04:55*	*10/20/21 02:29*	*1*
13C2 PFTeDA	*90*		*25 - 150*	*10/19/21 04:55*	*10/20/21 02:29*	*1*
13C3 PFBS	*90*		*25 - 150*	*10/19/21 04:55*	*10/20/21 02:29*	*1*
18O2 PFHxS	*87*		*25 - 150*	*10/19/21 04:55*	*10/20/21 02:29*	*1*
13C4 PFOS	*90*		*25 - 150*	*10/19/21 04:55*	*10/20/21 02:29*	*1*

Client: Ramboll US Corporation
Job ID: 500-206977-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: PZ-13
Lab Sample ID: 500-206977-24
Date Collected: 10/13/21 13:15
Matrix: Water
Date Received: 10/16/21 11:30

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C8 FOSA	86		10 - 150	10/19/21 04:55	10/20/21 02:29	1
d3-NMeFOSAA	83		25 - 150	10/19/21 04:55	10/20/21 02:29	1
d5-NEtFOSAA	94		25 - 150	10/19/21 04:55	10/20/21 02:29	1
d-N-MeFOSA-M	73		10 - 150	10/19/21 04:55	10/20/21 02:29	1
d-N-EtFOSA-M	73		10 - 150	10/19/21 04:55	10/20/21 02:29	1
d7-N-MeFOSE-M	81		10 - 150	10/19/21 04:55	10/20/21 02:29	1
d9-N-EtFOSE-M	84		10 - 150	10/19/21 04:55	10/20/21 02:29	1
M2-4:2 FTS	109		25 - 150	10/19/21 04:55	10/20/21 02:29	1
M2-6:2 FTS	98		25 - 150	10/19/21 04:55	10/20/21 02:29	1
M2-8:2 FTS	101		25 - 150	10/19/21 04:55	10/20/21 02:29	1
13C3 HFPO-DA	94		25 - 150	10/19/21 04:55	10/20/21 02:29	1
13C2 10:2 FTS	99		25 - 150	10/19/21 04:55	10/20/21 02:29	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.87**	**J**	1.0	0.23	ug/L		10/22/21 09:55	10/25/21 16:33	1
Barium	**130**		2.5	0.73	ug/L		10/22/21 09:55	10/25/21 16:33	1
Cadmium	<0.17		0.50	0.17	ug/L		10/22/21 09:55	10/25/21 16:33	1
Chromium	<1.1		5.0	1.1	ug/L		10/22/21 09:55	10/25/21 16:33	1
Lead	<0.19		0.50	0.19	ug/L		10/22/21 09:55	10/25/21 16:33	1
Selenium	**1.9**	**J**	2.5	0.98	ug/L		10/22/21 09:55	10/25/21 16:33	1
Silver	<0.12		0.50	0.12	ug/L		10/22/21 09:55	10/25/21 16:33	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.098		0.20	0.098	ug/L		10/25/21 10:05	10/26/21 07:14	1

Client: Ramboll US Corporation
Project/Site: Former Mirro 20 - Chilton 1690019558

Job ID: 500-206977-1

Client Sample ID: MW-13
Date Collected: 10/13/21 14:24
Date Received: 10/16/21 11:30

Lab Sample ID: 500-206977-25
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			10/27/21 07:28	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/27/21 07:28	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/27/21 07:28	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			10/27/21 07:28	1
Bromoform	<0.48		1.0	0.48	ug/L			10/27/21 07:28	1
Bromomethane	<0.80		3.0	0.80	ug/L			10/27/21 07:28	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			10/27/21 07:28	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/27/21 07:28	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/27/21 07:28	1
Chloroethane	<0.51		1.0	0.51	ug/L			10/27/21 07:28	1
Chloroform	**0.40**	**J**	2.0	0.37	ug/L			10/27/21 07:28	1
Chloromethane	<0.32		1.0	0.32	ug/L			10/27/21 07:28	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/27/21 07:28	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/27/21 07:28	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/27/21 07:28	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			10/27/21 07:28	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			10/27/21 07:28	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			10/27/21 07:28	1
Dibromomethane	<0.27		1.0	0.27	ug/L			10/27/21 07:28	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/27/21 07:28	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/27/21 07:28	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/27/21 07:28	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			10/27/21 07:28	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/27/21 07:28	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			10/27/21 07:28	1
1,1-Dichloroethene	**1.5**		1.0	0.39	ug/L			10/27/21 07:28	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			10/27/21 07:28	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/27/21 07:28	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			10/27/21 07:28	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			10/27/21 07:28	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			10/27/21 07:28	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/27/21 07:28	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/27/21 07:28	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			10/27/21 07:28	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			10/27/21 07:28	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			10/27/21 07:28	1
Naphthalene	**0.60**	**J B**	1.0	0.34	ug/L			10/27/21 07:28	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/27/21 07:28	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/27/21 07:28	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/27/21 07:28	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			10/27/21 07:28	1
Styrene	<0.39		1.0	0.39	ug/L			10/27/21 07:28	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/27/21 07:28	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			10/27/21 07:28	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			10/27/21 07:28	1
Tetrachloroethene	**110**		1.0	0.37	ug/L			10/27/21 07:28	1
Toluene	<0.15		0.50	0.15	ug/L			10/27/21 07:28	1
trans-1,2-Dichloroethene	**7.5**		1.0	0.35	ug/L			10/27/21 07:28	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/27/21 07:28	1

Client Sample ID: MW-13
Lab Sample ID: 500-206977-25
Date Collected: 10/13/21 14:24
Matrix: Water
Date Received: 10/16/21 11:30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			10/27/21 07:28	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/27/21 07:28	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			10/27/21 07:28	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			10/27/21 07:28	1
Trichloroethene	**70**		0.50	0.16	ug/L			10/27/21 07:28	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			10/27/21 07:28	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			10/27/21 07:28	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/27/21 07:28	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/27/21 07:28	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			10/27/21 07:28	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			10/27/21 07:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*72 - 124*		*10/27/21 07:28*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 120*		*10/27/21 07:28*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*75 - 126*		*10/27/21 07:28*	*1*
Toluene-d8 (Surr)	*98*		*75 - 120*		*10/27/21 07:28*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	**690**		10	4.1	ug/L			10/27/21 07:49	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*72 - 124*		*10/27/21 07:49*	*10*
Dibromofluoromethane (Surr)	*99*		*75 - 120*		*10/27/21 07:49*	*10*
1,2-Dichloroethane-d4 (Surr)	*92*		*75 - 126*		*10/27/21 07:49*	*10*
Toluene-d8 (Surr)	*97*		*75 - 120*		*10/27/21 07:49*	*10*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.26		0.84	0.26	ug/L		10/18/21 06:31	10/20/21 19:38	1
Acenaphthylene	<0.22		0.84	0.22	ug/L		10/18/21 06:31	10/20/21 19:38	1
Anthracene	<0.28		0.84	0.28	ug/L		10/18/21 06:31	10/20/21 19:38	1
Benzo[a]anthracene	<0.047		0.17	0.047	ug/L		10/18/21 06:31	10/20/21 19:38	1
Benzo[a]pyrene	<0.083		0.17	0.083	ug/L		10/18/21 06:31	10/20/21 19:38	1
Benzo[b]fluoranthene	<0.067		0.17	0.067	ug/L		10/18/21 06:31	10/20/21 19:38	1
Benzo[g,h,i]perylene	<0.31		0.84	0.31	ug/L		10/18/21 06:31	10/20/21 19:38	1
Benzo[k]fluoranthene	<0.054		0.17	0.054	ug/L		10/18/21 06:31	10/20/21 19:38	1
Chrysene	<0.057		0.17	0.057	ug/L		10/18/21 06:31	10/20/21 19:38	1
Dibenz(a,h)anthracene	<0.042		0.25	0.042	ug/L		10/18/21 06:31	10/20/21 19:38	1
Fluoranthene	<0.38		0.84	0.38	ug/L		10/18/21 06:31	10/20/21 19:38	1
Fluorene	<0.20		0.84	0.20	ug/L		10/18/21 06:31	10/20/21 19:38	1
Indeno[1,2,3-cd]pyrene	<0.063		0.17	0.063	ug/L		10/18/21 06:31	10/20/21 19:38	1
Naphthalene	<0.26		0.84	0.26	ug/L		10/18/21 06:31	10/20/21 19:38	1
Phenanthrene	<0.25		0.84	0.25	ug/L		10/18/21 06:31	10/20/21 19:38	1
Pyrene	<0.36		0.84	0.36	ug/L		10/18/21 06:31	10/20/21 19:38	1
1-Methylnaphthalene	<0.25		1.7	0.25	ug/L		10/18/21 06:31	10/20/21 19:38	1
2-Methylnaphthalene	<0.054		1.7	0.054	ug/L		10/18/21 06:31	10/20/21 19:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*65*		*36 - 120*	*10/18/21 06:31*	*10/20/21 19:38*	*1*

Client: Ramboll US Corporation
Project/Site: Former Mirro 20 - Chilton 1690019558

Job ID: 500-206977-1

Client Sample ID: MW-13
Date Collected: 10/13/21 14:24
Date Received: 10/16/21 11:30

Lab Sample ID: 500-206977-25
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14 (Surr)	*98*		*40 - 145*	*10/18/21 06:31*	*10/20/21 19:38*	*1*
2-Fluorobiphenyl (Surr)	*62*		*34 - 110*	*10/18/21 06:31*	*10/20/21 19:38*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.2		4.6	2.2	ng/L		10/19/21 04:55	10/20/21 02:40	1
Perfluoropentanoic acid (PFPeA)	**0.46**	**J**	1.9	0.46	ng/L		10/19/21 04:55	10/20/21 02:40	1
Perfluorohexanoic acid (PFHxA)	**0.93**	**J**	1.9	0.54	ng/L		10/19/21 04:55	10/20/21 02:40	1
Perfluoroheptanoic acid (PFHpA)	**0.38**	**J**	1.9	0.23	ng/L		10/19/21 04:55	10/20/21 02:40	1
Perfluorooctanoic acid (PFOA)	**3.5**		1.9	0.79	ng/L		10/19/21 04:55	10/20/21 02:40	1
Perfluorononanoic acid (PFNA)	<0.25		1.9	0.25	ng/L		10/19/21 04:55	10/20/21 02:40	1
Perfluorodecanoic acid (PFDA)	<0.29		1.9	0.29	ng/L		10/19/21 04:55	10/20/21 02:40	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		10/19/21 04:55	10/20/21 02:40	1
Perfluorododecanoic acid (PFDoA)	<0.51		1.9	0.51	ng/L		10/19/21 04:55	10/20/21 02:40	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.9	1.2	ng/L		10/19/21 04:55	10/20/21 02:40	1
Perfluorotetradecanoic acid (PFTeA)	<0.68		1.9	0.68	ng/L		10/19/21 04:55	10/20/21 02:40	1
Perfluorobutanesulfonic acid (PFBS)	**0.99**	**J**	1.9	0.19	ng/L		10/19/21 04:55	10/20/21 02:40	1
Perfluoropentanesulfonic acid (PFPeS)	<0.28		1.9	0.28	ng/L		10/19/21 04:55	10/20/21 02:40	1
Perfluorohexanesulfonic acid (PFHxS)	**12**		1.9	0.53	ng/L		10/19/21 04:55	10/20/21 02:40	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.18		1.9	0.18	ng/L		10/19/21 04:55	10/20/21 02:40	1
Perfluorooctanesulfonic acid (PFOS)	**2.4**	**I**	1.9	0.50	ng/L		10/19/21 04:55	10/20/21 02:40	1
Perfluorononanesulfonic acid (PFNS)	<0.34		1.9	0.34	ng/L		10/19/21 04:55	10/20/21 02:40	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		10/19/21 04:55	10/20/21 02:40	1
Perfluorododecanesulfonic acid (PFDoS)	<0.90		1.9	0.90	ng/L		10/19/21 04:55	10/20/21 02:40	1
Perfluorooctanesulfonamide (FOSA)	<0.91		1.9	0.91	ng/L		10/19/21 04:55	10/20/21 02:40	1
NEtFOSA	<0.81		1.9	0.81	ng/L		10/19/21 04:55	10/20/21 02:40	1
NMeFOSA	<0.40		1.9	0.40	ng/L		10/19/21 04:55	10/20/21 02:40	1
NMeFOSAA	<1.1		4.6	1.1	ng/L		10/19/21 04:55	10/20/21 02:40	1
NEtFOSAA	<1.2		4.6	1.2	ng/L		10/19/21 04:55	10/20/21 02:40	1
NMeFOSE	<1.3		3.7	1.3	ng/L		10/19/21 04:55	10/20/21 02:40	1
NEtFOSE	<0.79		1.9	0.79	ng/L		10/19/21 04:55	10/20/21 02:40	1
4:2 FTS	<0.22		1.9	0.22	ng/L		10/19/21 04:55	10/20/21 02:40	1
6:2 FTS	<2.3		4.6	2.3	ng/L		10/19/21 04:55	10/20/21 02:40	1
8:2 FTS	<0.43		1.9	0.43	ng/L		10/19/21 04:55	10/20/21 02:40	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.37		1.9	0.37	ng/L		10/19/21 04:55	10/20/21 02:40	1
HFPO-DA (GenX)	<1.4		3.7	1.4	ng/L		10/19/21 04:55	10/20/21 02:40	1
9Cl-PF3ONS	<0.22		1.9	0.22	ng/L		10/19/21 04:55	10/20/21 02:40	1
11Cl-PF3OUdS	<0.30		1.9	0.30	ng/L		10/19/21 04:55	10/20/21 02:40	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	*79*		*25 - 150*	*10/19/21 04:55*	*10/20/21 02:40*	*1*
13C5 PFPeA	*94*		*25 - 150*	*10/19/21 04:55*	*10/20/21 02:40*	*1*
13C2 PFHxA	*89*		*25 - 150*	*10/19/21 04:55*	*10/20/21 02:40*	*1*
13C4 PFHpA	*90*		*25 - 150*	*10/19/21 04:55*	*10/20/21 02:40*	*1*
13C4 PFOA	*94*		*25 - 150*	*10/19/21 04:55*	*10/20/21 02:40*	*1*

Client: Ramboll US Corporation
Job ID: 500-206977-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: MW-13
Lab Sample ID: 500-206977-25
Date Collected: 10/13/21 14:24
Matrix: Water
Date Received: 10/16/21 11:30

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C5 PFNA	96		25 - 150	10/19/21 04:55	10/20/21 02:40	1
13C2 PFDA	91		25 - 150	10/19/21 04:55	10/20/21 02:40	1
13C2 PFUnA	91		25 - 150	10/19/21 04:55	10/20/21 02:40	1
13C2 PFDoA	83		25 - 150	10/19/21 04:55	10/20/21 02:40	1
13C2 PFTeDA	84		25 - 150	10/19/21 04:55	10/20/21 02:40	1
13C3 PFBS	81		25 - 150	10/19/21 04:55	10/20/21 02:40	1
18O2 PFHxS	80		25 - 150	10/19/21 04:55	10/20/21 02:40	1
13C4 PFOS	85		25 - 150	10/19/21 04:55	10/20/21 02:40	1
13C8 FOSA	83		10 - 150	10/19/21 04:55	10/20/21 02:40	1
d3-NMeFOSAA	83		25 - 150	10/19/21 04:55	10/20/21 02:40	1
d5-NEtFOSAA	82		25 - 150	10/19/21 04:55	10/20/21 02:40	1
d-N-MeFOSA-M	74		10 - 150	10/19/21 04:55	10/20/21 02:40	1
d-N-EtFOSA-M	72		10 - 150	10/19/21 04:55	10/20/21 02:40	1
d7-N-MeFOSE-M	79		10 - 150	10/19/21 04:55	10/20/21 02:40	1
d9-N-EtFOSE-M	83		10 - 150	10/19/21 04:55	10/20/21 02:40	1
M2-4:2 FTS	112		25 - 150	10/19/21 04:55	10/20/21 02:40	1
M2-6:2 FTS	103		25 - 150	10/19/21 04:55	10/20/21 02:40	1
M2-8:2 FTS	105		25 - 150	10/19/21 04:55	10/20/21 02:40	1
13C3 HFPO-DA	89		25 - 150	10/19/21 04:55	10/20/21 02:40	1
13C2 10:2 FTS	99		25 - 150	10/19/21 04:55	10/20/21 02:40	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.92**	**J**	1.0	0.23	ug/L		10/22/21 09:55	10/25/21 16:36	1
Barium	**120**		2.5	0.73	ug/L		10/22/21 09:55	10/25/21 16:36	1
Cadmium	<0.17		0.50	0.17	ug/L		10/22/21 09:55	10/25/21 16:36	1
Chromium	<1.1		5.0	1.1	ug/L		10/22/21 09:55	10/25/21 16:36	1
Lead	<0.19		0.50	0.19	ug/L		10/22/21 09:55	10/25/21 16:36	1
Selenium	<0.98		2.5	0.98	ug/L		10/22/21 09:55	10/25/21 16:36	1
Silver	<0.12		0.50	0.12	ug/L		10/22/21 09:55	10/25/21 16:36	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.098		0.20	0.098	ug/L		10/25/21 10:05	10/26/21 07:16	1

Client: Ramboll US Corporation
Project/Site: Former Mirro 20 - Chilton 1690019558

Job ID: 500-206977-1

Client Sample ID: PZ-14
Date Collected: 10/13/21 15:17
Date Received: 10/16/21 11:30

Lab Sample ID: 500-206977-26
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			10/27/21 08:11	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/27/21 08:11	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/27/21 08:11	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			10/27/21 08:11	1
Bromoform	<0.48		1.0	0.48	ug/L			10/27/21 08:11	1
Bromomethane	<0.80		3.0	0.80	ug/L			10/27/21 08:11	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			10/27/21 08:11	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/27/21 08:11	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/27/21 08:11	1
Chloroethane	<0.51		1.0	0.51	ug/L			10/27/21 08:11	1
Chloroform	<0.37		2.0	0.37	ug/L			10/27/21 08:11	1
Chloromethane	<0.32		1.0	0.32	ug/L			10/27/21 08:11	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/27/21 08:11	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/27/21 08:11	1
cis-1,2-Dichloroethene	**28**		1.0	0.41	ug/L			10/27/21 08:11	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/27/21 08:11	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			10/27/21 08:11	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			10/27/21 08:11	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			10/27/21 08:11	1
Dibromomethane	<0.27		1.0	0.27	ug/L			10/27/21 08:11	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/27/21 08:11	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/27/21 08:11	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/27/21 08:11	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			10/27/21 08:11	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/27/21 08:11	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			10/27/21 08:11	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			10/27/21 08:11	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			10/27/21 08:11	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/27/21 08:11	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			10/27/21 08:11	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			10/27/21 08:11	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			10/27/21 08:11	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/27/21 08:11	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/27/21 08:11	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			10/27/21 08:11	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			10/27/21 08:11	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			10/27/21 08:11	1
Naphthalene	**0.47**	**J B**	1.0	0.34	ug/L			10/27/21 08:11	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/27/21 08:11	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/27/21 08:11	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/27/21 08:11	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			10/27/21 08:11	1
Styrene	<0.39		1.0	0.39	ug/L			10/27/21 08:11	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/27/21 08:11	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			10/27/21 08:11	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			10/27/21 08:11	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			10/27/21 08:11	1
Toluene	<0.15		0.50	0.15	ug/L			10/27/21 08:11	1
trans-1,2-Dichloroethene	**1.1**		1.0	0.35	ug/L			10/27/21 08:11	1

Client: Ramboll US Corporation
Job ID: 500-206977-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: PZ-14
Lab Sample ID: 500-206977-26
Date Collected: 10/13/21 15:17
Matrix: Water
Date Received: 10/16/21 11:30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/27/21 08:11	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			10/27/21 08:11	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/27/21 08:11	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			10/27/21 08:11	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			10/27/21 08:11	1
Trichloroethene	**3.2**		0.50	0.16	ug/L			10/27/21 08:11	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			10/27/21 08:11	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			10/27/21 08:11	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/27/21 08:11	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/27/21 08:11	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			10/27/21 08:11	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			10/27/21 08:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*72 - 124*		*10/27/21 08:11*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 120*		*10/27/21 08:11*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*75 - 126*		*10/27/21 08:11*	*1*
Toluene-d8 (Surr)	*99*		*75 - 120*		*10/27/21 08:11*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.26		0.84	0.26	ug/L		10/18/21 06:31	10/20/21 20:02	1
Acenaphthylene	<0.22		0.84	0.22	ug/L		10/18/21 06:31	10/20/21 20:02	1
Anthracene	<0.28		0.84	0.28	ug/L		10/18/21 06:31	10/20/21 20:02	1
Benzo[a]anthracene	<0.047		0.17	0.047	ug/L		10/18/21 06:31	10/20/21 20:02	1
Benzo[a]pyrene	<0.083		0.17	0.083	ug/L		10/18/21 06:31	10/20/21 20:02	1
Benzo[b]fluoranthene	<0.067		0.17	0.067	ug/L		10/18/21 06:31	10/20/21 20:02	1
Benzo[g,h,i]perylene	<0.31		0.84	0.31	ug/L		10/18/21 06:31	10/20/21 20:02	1
Benzo[k]fluoranthene	<0.053		0.17	0.053	ug/L		10/18/21 06:31	10/20/21 20:02	1
Chrysene	<0.057		0.17	0.057	ug/L		10/18/21 06:31	10/20/21 20:02	1
Dibenz(a,h)anthracene	<0.042		0.25	0.042	ug/L		10/18/21 06:31	10/20/21 20:02	1
Fluoranthene	<0.38		0.84	0.38	ug/L		10/18/21 06:31	10/20/21 20:02	1
Fluorene	<0.20		0.84	0.20	ug/L		10/18/21 06:31	10/20/21 20:02	1
Indeno[1,2,3-cd]pyrene	<0.062		0.17	0.062	ug/L		10/18/21 06:31	10/20/21 20:02	1
Naphthalene	<0.26		0.84	0.26	ug/L		10/18/21 06:31	10/20/21 20:02	1
Phenanthrene	<0.25		0.84	0.25	ug/L		10/18/21 06:31	10/20/21 20:02	1
Pyrene	<0.36		0.84	0.36	ug/L		10/18/21 06:31	10/20/21 20:02	1
1-Methylnaphthalene	<0.25		1.7	0.25	ug/L		10/18/21 06:31	10/20/21 20:02	1
2-Methylnaphthalene	<0.054		1.7	0.054	ug/L		10/18/21 06:31	10/20/21 20:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*55*		*36 - 120*	*10/18/21 06:31*	*10/20/21 20:02*	*1*
Terphenyl-d14 (Surr)	*96*		*40 - 145*	*10/18/21 06:31*	*10/20/21 20:02*	*1*
2-Fluorobiphenyl (Surr)	*54*		*34 - 110*	*10/18/21 06:31*	*10/20/21 20:02*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.2		4.6	2.2	ng/L		10/19/21 05:09	10/20/21 04:41	1
Perfluoropentanoic acid (PFPeA)	<0.45		1.8	0.45	ng/L		10/19/21 05:09	10/20/21 04:41	1
Perfluorohexanoic acid (PFHxA)	<0.53		1.8	0.53	ng/L		10/19/21 05:09	10/20/21 04:41	1

Client: Ramboll US Corporation
Project/Site: Former Mirro 20 - Chilton 1690019558

Job ID: 500-206977-1

Client Sample ID: PZ-14
Date Collected: 10/13/21 15:17
Date Received: 10/16/21 11:30

Lab Sample ID: 500-206977-26
Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoroheptanoic acid (PFHpA)	<0.23		1.8	0.23	ng/L		10/19/21 05:09	10/20/21 04:41	1
Perfluorooctanoic acid (PFOA)	<0.78		1.8	0.78	ng/L		10/19/21 05:09	10/20/21 04:41	1
Perfluorononanoic acid (PFNA)	<0.25		1.8	0.25	ng/L		10/19/21 05:09	10/20/21 04:41	1
Perfluorodecanoic acid (PFDA)	<0.28		1.8	0.28	ng/L		10/19/21 05:09	10/20/21 04:41	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.8	1.0	ng/L		10/19/21 05:09	10/20/21 04:41	1
Perfluorododecanoic acid (PFDoA)	<0.50		1.8	0.50	ng/L		10/19/21 05:09	10/20/21 04:41	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.8	1.2	ng/L		10/19/21 05:09	10/20/21 04:41	1
Perfluorotetradecanoic acid (PFTeA)	<0.67		1.8	0.67	ng/L		10/19/21 05:09	10/20/21 04:41	1
Perfluorobutanesulfonic acid (PFBS)	**1.0**	**J**	1.8	0.18	ng/L		10/19/21 05:09	10/20/21 04:41	1
Perfluoropentanesulfonic acid (PFPeS)	<0.27		1.8	0.27	ng/L		10/19/21 05:09	10/20/21 04:41	1
Perfluorohexanesulfonic acid (PFHxS)	**0.80**	**J**	1.8	0.52	ng/L		10/19/21 05:09	10/20/21 04:41	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.17		1.8	0.17	ng/L		10/19/21 05:09	10/20/21 04:41	1
Perfluorooctanesulfonic acid (PFOS)	**1.1**	**J I**	1.8	0.49	ng/L		10/19/21 05:09	10/20/21 04:41	1
Perfluorononanesulfonic acid (PFNS)	<0.34		1.8	0.34	ng/L		10/19/21 05:09	10/20/21 04:41	1
Perfluorodecanesulfonic acid (PFDS)	<0.29		1.8	0.29	ng/L		10/19/21 05:09	10/20/21 04:41	1
Perfluorododecanesulfonic acid (PFDoS)	<0.89		1.8	0.89	ng/L		10/19/21 05:09	10/20/21 04:41	1
Perfluorooctanesulfonamide (FOSA)	<0.89		1.8	0.89	ng/L		10/19/21 05:09	10/20/21 04:41	1
NEtFOSA	<0.79		1.8	0.79	ng/L		10/19/21 05:09	10/20/21 04:41	1
NMeFOSA	<0.39		1.8	0.39	ng/L		10/19/21 05:09	10/20/21 04:41	1
NMeFOSAA	<1.1		4.6	1.1	ng/L		10/19/21 05:09	10/20/21 04:41	1
NEtFOSAA	<1.2		4.6	1.2	ng/L		10/19/21 05:09	10/20/21 04:41	1
NMeFOSE	<1.3		3.7	1.3	ng/L		10/19/21 05:09	10/20/21 04:41	1
NEtFOSE	<0.78		1.8	0.78	ng/L		10/19/21 05:09	10/20/21 04:41	1
4:2 FTS	<0.22		1.8	0.22	ng/L		10/19/21 05:09	10/20/21 04:41	1
6:2 FTS	<2.3		4.6	2.3	ng/L		10/19/21 05:09	10/20/21 04:41	1
8:2 FTS	<0.42		1.8	0.42	ng/L		10/19/21 05:09	10/20/21 04:41	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.37		1.8	0.37	ng/L		10/19/21 05:09	10/20/21 04:41	1
HFPO-DA (GenX)	<1.4		3.7	1.4	ng/L		10/19/21 05:09	10/20/21 04:41	1
9Cl-PF3ONS	<0.22		1.8	0.22	ng/L		10/19/21 05:09	10/20/21 04:41	1
11Cl-PF3OUdS	<0.29		1.8	0.29	ng/L		10/19/21 05:09	10/20/21 04:41	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*93*		*25 - 150*	*10/19/21 05:09*	*10/20/21 04:41*	*1*
13C5 PFPeA	*101*		*25 - 150*	*10/19/21 05:09*	*10/20/21 04:41*	*1*
13C2 PFHxA	*100*		*25 - 150*	*10/19/21 05:09*	*10/20/21 04:41*	*1*
13C4 PFHpA	*105*		*25 - 150*	*10/19/21 05:09*	*10/20/21 04:41*	*1*
13C4 PFOA	*106*		*25 - 150*	*10/19/21 05:09*	*10/20/21 04:41*	*1*
13C5 PFNA	*105*		*25 - 150*	*10/19/21 05:09*	*10/20/21 04:41*	*1*
13C2 PFDA	*104*		*25 - 150*	*10/19/21 05:09*	*10/20/21 04:41*	*1*
13C2 PFUnA	*100*		*25 - 150*	*10/19/21 05:09*	*10/20/21 04:41*	*1*
13C2 PFDoA	*100*		*25 - 150*	*10/19/21 05:09*	*10/20/21 04:41*	*1*
13C2 PFTeDA	*95*		*25 - 150*	*10/19/21 05:09*	*10/20/21 04:41*	*1*
13C3 PFBS	*103*		*25 - 150*	*10/19/21 05:09*	*10/20/21 04:41*	*1*
18O2 PFHxS	*101*		*25 - 150*	*10/19/21 05:09*	*10/20/21 04:41*	*1*
13C4 PFOS	*103*		*25 - 150*	*10/19/21 05:09*	*10/20/21 04:41*	*1*

Client Sample ID: PZ-14
Lab Sample ID: 500-206977-26

Date Collected: 10/13/21 15:17
Matrix: Water
Date Received: 10/16/21 11:30

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C8 FOSA	*102*		*10 - 150*	*10/19/21 05:09*	*10/20/21 04:41*	*1*
d3-NMeFOSAA	*102*		*25 - 150*	*10/19/21 05:09*	*10/20/21 04:41*	*1*
d5-NEtFOSAA	*103*		*25 - 150*	*10/19/21 05:09*	*10/20/21 04:41*	*1*
d-N-MeFOSA-M	*84*		*10 - 150*	*10/19/21 05:09*	*10/20/21 04:41*	*1*
d-N-EtFOSA-M	*82*		*10 - 150*	*10/19/21 05:09*	*10/20/21 04:41*	*1*
d7-N-MeFOSE-M	*88*		*10 - 150*	*10/19/21 05:09*	*10/20/21 04:41*	*1*
d9-N-EtFOSE-M	*91*		*10 - 150*	*10/19/21 05:09*	*10/20/21 04:41*	*1*
M2-4:2 FTS	*132*		*25 - 150*	*10/19/21 05:09*	*10/20/21 04:41*	*1*
M2-6:2 FTS	*124*		*25 - 150*	*10/19/21 05:09*	*10/20/21 04:41*	*1*
M2-8:2 FTS	*119*		*25 - 150*	*10/19/21 05:09*	*10/20/21 04:41*	*1*
13C3 HFPO-DA	*103*		*25 - 150*	*10/19/21 05:09*	*10/20/21 04:41*	*1*
13C2 10:2 FTS	*141*		*25 - 150*	*10/19/21 05:09*	*10/20/21 04:41*	*1*

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**2.9**		1.0	0.23	ug/L		10/22/21 09:55	10/25/21 16:40	1
Barium	**110**		2.5	0.73	ug/L		10/22/21 09:55	10/25/21 16:40	1
Cadmium	<0.17		0.50	0.17	ug/L		10/22/21 09:55	10/25/21 16:40	1
Chromium	<1.1		5.0	1.1	ug/L		10/22/21 09:55	10/25/21 16:40	1
Lead	<0.19		0.50	0.19	ug/L		10/22/21 09:55	10/25/21 16:40	1
Selenium	<0.98		2.5	0.98	ug/L		10/22/21 09:55	10/25/21 16:40	1
Silver	<0.12		0.50	0.12	ug/L		10/22/21 09:55	10/25/21 16:40	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.098		0.20	0.098	ug/L		10/25/21 10:05	10/26/21 07:18	1

Client: Ramboll US Corporation
Project/Site: Former Mirro 20 - Chilton 1690019558

Job ID: 500-206977-1

Client Sample ID: MW-14
Date Collected: 10/13/21 16:07
Date Received: 10/16/21 11:30

Lab Sample ID: 500-206977-27
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			10/27/21 08:33	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/27/21 08:33	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/27/21 08:33	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			10/27/21 08:33	1
Bromoform	<0.48		1.0	0.48	ug/L			10/27/21 08:33	1
Bromomethane	<0.80		3.0	0.80	ug/L			10/27/21 08:33	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			10/27/21 08:33	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/27/21 08:33	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/27/21 08:33	1
Chloroethane	<0.51		1.0	0.51	ug/L			10/27/21 08:33	1
Chloroform	<0.37		2.0	0.37	ug/L			10/27/21 08:33	1
Chloromethane	<0.32		1.0	0.32	ug/L			10/27/21 08:33	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/27/21 08:33	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/27/21 08:33	1
cis-1,2-Dichloroethene	**100**		1.0	0.41	ug/L			10/27/21 08:33	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/27/21 08:33	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			10/27/21 08:33	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			10/27/21 08:33	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			10/27/21 08:33	1
Dibromomethane	<0.27		1.0	0.27	ug/L			10/27/21 08:33	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/27/21 08:33	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/27/21 08:33	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/27/21 08:33	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			10/27/21 08:33	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/27/21 08:33	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			10/27/21 08:33	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			10/27/21 08:33	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			10/27/21 08:33	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/27/21 08:33	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			10/27/21 08:33	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			10/27/21 08:33	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			10/27/21 08:33	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/27/21 08:33	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/27/21 08:33	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			10/27/21 08:33	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			10/27/21 08:33	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			10/27/21 08:33	1
Naphthalene	**0.49**	**J B**	1.0	0.34	ug/L			10/27/21 08:33	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/27/21 08:33	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/27/21 08:33	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/27/21 08:33	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			10/27/21 08:33	1
Styrene	<0.39		1.0	0.39	ug/L			10/27/21 08:33	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/27/21 08:33	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			10/27/21 08:33	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			10/27/21 08:33	1
Tetrachloroethene	**7.7**		1.0	0.37	ug/L			10/27/21 08:33	1
Toluene	<0.15		0.50	0.15	ug/L			10/27/21 08:33	1
trans-1,2-Dichloroethene	**4.4**		1.0	0.35	ug/L			10/27/21 08:33	1

Client: Ramboll US Corporation
Job ID: 500-206977-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: MW-14
Lab Sample ID: 500-206977-27
Date Collected: 10/13/21 16:07
Matrix: Water
Date Received: 10/16/21 11:30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/27/21 08:33	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			10/27/21 08:33	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/27/21 08:33	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			10/27/21 08:33	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			10/27/21 08:33	1
Trichloroethene	**14**		0.50	0.16	ug/L			10/27/21 08:33	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			10/27/21 08:33	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			10/27/21 08:33	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/27/21 08:33	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/27/21 08:33	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			10/27/21 08:33	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			10/27/21 08:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*72 - 124*		*10/27/21 08:33*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 120*		*10/27/21 08:33*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*75 - 126*		*10/27/21 08:33*	*1*
Toluene-d8 (Surr)	*98*		*75 - 120*		*10/27/21 08:33*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.26		0.83	0.26	ug/L		10/18/21 06:31	10/20/21 20:26	1
Acenaphthylene	<0.22		0.83	0.22	ug/L		10/18/21 06:31	10/20/21 20:26	1
Anthracene	<0.28		0.83	0.28	ug/L		10/18/21 06:31	10/20/21 20:26	1
Benzo[a]anthracene	<0.047		0.17	0.047	ug/L		10/18/21 06:31	10/20/21 20:26	1
Benzo[a]pyrene	<0.082		0.17	0.082	ug/L		10/18/21 06:31	10/20/21 20:26	1
Benzo[b]fluoranthene	<0.067		0.17	0.067	ug/L		10/18/21 06:31	10/20/21 20:26	1
Benzo[g,h,i]perylene	<0.31		0.83	0.31	ug/L		10/18/21 06:31	10/20/21 20:26	1
Benzo[k]fluoranthene	<0.053		0.17	0.053	ug/L		10/18/21 06:31	10/20/21 20:26	1
Chrysene	<0.057		0.17	0.057	ug/L		10/18/21 06:31	10/20/21 20:26	1
Dibenz(a,h)anthracene	<0.042		0.25	0.042	ug/L		10/18/21 06:31	10/20/21 20:26	1
Fluoranthene	<0.38		0.83	0.38	ug/L		10/18/21 06:31	10/20/21 20:26	1
Fluorene	<0.20		0.83	0.20	ug/L		10/18/21 06:31	10/20/21 20:26	1
Indeno[1,2,3-cd]pyrene	<0.062		0.17	0.062	ug/L		10/18/21 06:31	10/20/21 20:26	1
Naphthalene	<0.26		0.83	0.26	ug/L		10/18/21 06:31	10/20/21 20:26	1
Phenanthrene	<0.25		0.83	0.25	ug/L		10/18/21 06:31	10/20/21 20:26	1
Pyrene	<0.35		0.83	0.35	ug/L		10/18/21 06:31	10/20/21 20:26	1
1-Methylnaphthalene	<0.25		1.7	0.25	ug/L		10/18/21 06:31	10/20/21 20:26	1
2-Methylnaphthalene	<0.054		1.7	0.054	ug/L		10/18/21 06:31	10/20/21 20:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*77*		*36 - 120*	*10/18/21 06:31*	*10/20/21 20:26*	*1*
Terphenyl-d14 (Surr)	*104*		*40 - 145*	*10/18/21 06:31*	*10/20/21 20:26*	*1*
2-Fluorobiphenyl (Surr)	*76*		*34 - 110*	*10/18/21 06:31*	*10/20/21 20:26*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**2.7**	**J**	4.8	2.3	ng/L		10/19/21 05:09	10/20/21 04:51	1
Perfluoropentanoic acid (PFPeA)	**1.0**	**J**	1.9	0.47	ng/L		10/19/21 05:09	10/20/21 04:51	1
Perfluorohexanoic acid (PFHxA)	**2.0**		1.9	0.55	ng/L		10/19/21 05:09	10/20/21 04:51	1

Client: Ramboll US Corporation
Job ID: 500-206977-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: MW-14
Lab Sample ID: 500-206977-27
Date Collected: 10/13/21 16:07
Matrix: Water
Date Received: 10/16/21 11:30

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoroheptanoic acid (PFHpA)	**1.1**	**J**	1.9	0.24	ng/L		10/19/21 05:09	10/20/21 04:51	1
Perfluorooctanoic acid (PFOA)	**16**		1.9	0.81	ng/L		10/19/21 05:09	10/20/21 04:51	1
Perfluorononanoic acid (PFNA)	<0.26		1.9	0.26	ng/L		10/19/21 05:09	10/20/21 04:51	1
Perfluorodecanoic acid (PFDA)	<0.30		1.9	0.30	ng/L		10/19/21 05:09	10/20/21 04:51	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		10/19/21 05:09	10/20/21 04:51	1
Perfluorododecanoic acid (PFDoA)	<0.52		1.9	0.52	ng/L		10/19/21 05:09	10/20/21 04:51	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.9	1.2	ng/L		10/19/21 05:09	10/20/21 04:51	1
Perfluorotetradecanoic acid (PFTeA)	<0.70		1.9	0.70	ng/L		10/19/21 05:09	10/20/21 04:51	1
Perfluorobutanesulfonic acid (PFBS)	**1.3**	**J**	1.9	0.19	ng/L		10/19/21 05:09	10/20/21 04:51	1
Perfluoropentanesulfonic acid (PFPeS)	**0.50**	**J**	1.9	0.29	ng/L		10/19/21 05:09	10/20/21 04:51	1
Perfluorohexanesulfonic acid (PFHxS)	**22**		1.9	0.54	ng/L		10/19/21 05:09	10/20/21 04:51	1
Perfluoroheptanesulfonic Acid (PFHpS)	**0.50**	**J**	1.9	0.18	ng/L		10/19/21 05:09	10/20/21 04:51	1
Perfluorooctanesulfonic acid (PFOS)	**15**		1.9	0.52	ng/L		10/19/21 05:09	10/20/21 04:51	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		10/19/21 05:09	10/20/21 04:51	1
Perfluorodecanesulfonic acid (PFDS)	<0.31		1.9	0.31	ng/L		10/19/21 05:09	10/20/21 04:51	1
Perfluorododecanesulfonic acid (PFDoS)	<0.93		1.9	0.93	ng/L		10/19/21 05:09	10/20/21 04:51	1
Perfluorooctanesulfonamide (FOSA)	<0.94		1.9	0.94	ng/L		10/19/21 05:09	10/20/21 04:51	1
NEtFOSA	<0.83		1.9	0.83	ng/L		10/19/21 05:09	10/20/21 04:51	1
NMeFOSA	<0.41		1.9	0.41	ng/L		10/19/21 05:09	10/20/21 04:51	1
NMeFOSAA	<1.1		4.8	1.1	ng/L		10/19/21 05:09	10/20/21 04:51	1
NEtFOSAA	<1.2		4.8	1.2	ng/L		10/19/21 05:09	10/20/21 04:51	1
NMeFOSE	<1.3		3.8	1.3	ng/L		10/19/21 05:09	10/20/21 04:51	1
NEtFOSE	<0.81		1.9	0.81	ng/L		10/19/21 05:09	10/20/21 04:51	1
4:2 FTS	<0.23		1.9	0.23	ng/L		10/19/21 05:09	10/20/21 04:51	1
6:2 FTS	<2.4		4.8	2.4	ng/L		10/19/21 05:09	10/20/21 04:51	1
8:2 FTS	<0.44		1.9	0.44	ng/L		10/19/21 05:09	10/20/21 04:51	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.38		1.9	0.38	ng/L		10/19/21 05:09	10/20/21 04:51	1
HFPO-DA (GenX)	<1.4		3.8	1.4	ng/L		10/19/21 05:09	10/20/21 04:51	1
9Cl-PF3ONS	<0.23		1.9	0.23	ng/L		10/19/21 05:09	10/20/21 04:51	1
11Cl-PF3OUdS	<0.31		1.9	0.31	ng/L		10/19/21 05:09	10/20/21 04:51	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*87*		*25 - 150*	*10/19/21 05:09*	*10/20/21 04:51*	*1*
13C5 PFPeA	*101*		*25 - 150*	*10/19/21 05:09*	*10/20/21 04:51*	*1*
13C2 PFHxA	*103*		*25 - 150*	*10/19/21 05:09*	*10/20/21 04:51*	*1*
13C4 PFHpA	*99*		*25 - 150*	*10/19/21 05:09*	*10/20/21 04:51*	*1*
13C4 PFOA	*100*		*25 - 150*	*10/19/21 05:09*	*10/20/21 04:51*	*1*
13C5 PFNA	*109*		*25 - 150*	*10/19/21 05:09*	*10/20/21 04:51*	*1*
13C2 PFDA	*97*		*25 - 150*	*10/19/21 05:09*	*10/20/21 04:51*	*1*
13C2 PFUnA	*97*		*25 - 150*	*10/19/21 05:09*	*10/20/21 04:51*	*1*
13C2 PFDoA	*96*		*25 - 150*	*10/19/21 05:09*	*10/20/21 04:51*	*1*
13C2 PFTeDA	*93*		*25 - 150*	*10/19/21 05:09*	*10/20/21 04:51*	*1*
13C3 PFBS	*95*		*25 - 150*	*10/19/21 05:09*	*10/20/21 04:51*	*1*
18O2 PFHxS	*94*		*25 - 150*	*10/19/21 05:09*	*10/20/21 04:51*	*1*
13C4 PFOS	*98*		*25 - 150*	*10/19/21 05:09*	*10/20/21 04:51*	*1*

Client: Ramboll US Corporation
Job ID: 500-206977-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: MW-14
Lab Sample ID: 500-206977-27
Date Collected: 10/13/21 16:07
Matrix: Water
Date Received: 10/16/21 11:30

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C8 FOSA	*97*		*10 - 150*	*10/19/21 05:09*	*10/20/21 04:51*	*1*
d3-NMeFOSAA	*93*		*25 - 150*	*10/19/21 05:09*	*10/20/21 04:51*	*1*
d5-NEtFOSAA	*88*		*25 - 150*	*10/19/21 05:09*	*10/20/21 04:51*	*1*
d-N-MeFOSA-M	*80*		*10 - 150*	*10/19/21 05:09*	*10/20/21 04:51*	*1*
d-N-EtFOSA-M	*81*		*10 - 150*	*10/19/21 05:09*	*10/20/21 04:51*	*1*
d7-N-MeFOSE-M	*84*		*10 - 150*	*10/19/21 05:09*	*10/20/21 04:51*	*1*
d9-N-EtFOSE-M	*88*		*10 - 150*	*10/19/21 05:09*	*10/20/21 04:51*	*1*
M2-4:2 FTS	*128*		*25 - 150*	*10/19/21 05:09*	*10/20/21 04:51*	*1*
M2-6:2 FTS	*116*		*25 - 150*	*10/19/21 05:09*	*10/20/21 04:51*	*1*
M2-8:2 FTS	*123*		*25 - 150*	*10/19/21 05:09*	*10/20/21 04:51*	*1*
13C3 HFPO-DA	*95*		*25 - 150*	*10/19/21 05:09*	*10/20/21 04:51*	*1*
13C2 10:2 FTS	*112*		*25 - 150*	*10/19/21 05:09*	*10/20/21 04:51*	*1*

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**1.1**		1.0	0.23	ug/L		10/22/21 09:55	10/25/21 16:43	1
Barium	**100**		2.5	0.73	ug/L		10/22/21 09:55	10/25/21 16:43	1
Cadmium	<0.17		0.50	0.17	ug/L		10/22/21 09:55	10/25/21 16:43	1
Chromium	<1.1		5.0	1.1	ug/L		10/22/21 09:55	10/25/21 16:43	1
Lead	<0.19		0.50	0.19	ug/L		10/22/21 09:55	10/25/21 16:43	1
Selenium	<0.98		2.5	0.98	ug/L		10/22/21 09:55	10/25/21 16:43	1
Silver	<0.12		0.50	0.12	ug/L		10/22/21 09:55	10/25/21 16:43	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.098		0.20	0.098	ug/L		10/25/21 10:05	10/26/21 07:20	1

Client: Ramboll US Corporation
Job ID: 500-206977-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: EB-02
Lab Sample ID: 500-206977-28
Date Collected: 10/13/21 17:00
Matrix: Water
Date Received: 10/16/21 11:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			10/27/21 13:45	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/27/21 13:45	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/27/21 13:45	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			10/27/21 13:45	1
Bromoform	<0.48		1.0	0.48	ug/L			10/27/21 13:45	1
Bromomethane	<0.80		3.0	0.80	ug/L			10/27/21 13:45	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			10/27/21 13:45	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/27/21 13:45	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/27/21 13:45	1
Chloroethane	<0.51		1.0	0.51	ug/L			10/27/21 13:45	1
Chloroform	<0.37		2.0	0.37	ug/L			10/27/21 13:45	1
Chloromethane	<0.32		1.0	0.32	ug/L			10/27/21 13:45	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/27/21 13:45	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/27/21 13:45	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			10/27/21 13:45	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/27/21 13:45	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			10/27/21 13:45	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			10/27/21 13:45	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			10/27/21 13:45	1
Dibromomethane	<0.27		1.0	0.27	ug/L			10/27/21 13:45	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/27/21 13:45	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/27/21 13:45	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/27/21 13:45	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			10/27/21 13:45	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/27/21 13:45	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			10/27/21 13:45	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			10/27/21 13:45	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			10/27/21 13:45	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/27/21 13:45	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			10/27/21 13:45	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			10/27/21 13:45	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			10/27/21 13:45	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/27/21 13:45	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/27/21 13:45	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			10/27/21 13:45	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			10/27/21 13:45	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			10/27/21 13:45	1
Naphthalene	<0.34		1.0	0.34	ug/L			10/27/21 13:45	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/27/21 13:45	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/27/21 13:45	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/27/21 13:45	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			10/27/21 13:45	1
Styrene	<0.39		1.0	0.39	ug/L			10/27/21 13:45	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/27/21 13:45	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			10/27/21 13:45	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			10/27/21 13:45	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			10/27/21 13:45	1
Toluene	<0.15		0.50	0.15	ug/L			10/27/21 13:45	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			10/27/21 13:45	1

Client: Ramboll US Corporation
Job ID: 500-206977-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: EB-02
Lab Sample ID: 500-206977-28
Date Collected: 10/13/21 17:00
Matrix: Water
Date Received: 10/16/21 11:30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/27/21 13:45	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			10/27/21 13:45	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/27/21 13:45	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			10/27/21 13:45	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			10/27/21 13:45	1
Trichloroethene	<0.16		0.50	0.16	ug/L			10/27/21 13:45	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			10/27/21 13:45	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			10/27/21 13:45	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/27/21 13:45	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/27/21 13:45	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			10/27/21 13:45	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			10/27/21 13:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*72 - 124*		*10/27/21 13:45*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 120*		*10/27/21 13:45*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 126*		*10/27/21 13:45*	*1*
Toluene-d8 (Surr)	*96*		*75 - 120*		*10/27/21 13:45*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.27		0.88	0.27	ug/L		10/18/21 06:31	10/20/21 20:50	1
Acenaphthylene	<0.24		0.88	0.24	ug/L		10/18/21 06:31	10/20/21 20:50	1
Anthracene	<0.30		0.88	0.30	ug/L		10/18/21 06:31	10/20/21 20:50	1
Benzo[a]anthracene	<0.050		0.18	0.050	ug/L		10/18/21 06:31	10/20/21 20:50	1
Benzo[a]pyrene	<0.087		0.18	0.087	ug/L		10/18/21 06:31	10/20/21 20:50	1
Benzo[b]fluoranthene	<0.071		0.18	0.071	ug/L		10/18/21 06:31	10/20/21 20:50	1
Benzo[g,h,i]perylene	<0.33		0.88	0.33	ug/L		10/18/21 06:31	10/20/21 20:50	1
Benzo[k]fluoranthene	<0.057		0.18	0.057	ug/L		10/18/21 06:31	10/20/21 20:50	1
Chrysene	<0.060		0.18	0.060	ug/L		10/18/21 06:31	10/20/21 20:50	1
Dibenz(a,h)anthracene	<0.045		0.27	0.045	ug/L		10/18/21 06:31	10/20/21 20:50	1
Fluoranthene	<0.40		0.88	0.40	ug/L		10/18/21 06:31	10/20/21 20:50	1
Fluorene	<0.22		0.88	0.22	ug/L		10/18/21 06:31	10/20/21 20:50	1
Indeno[1,2,3-cd]pyrene	<0.066		0.18	0.066	ug/L		10/18/21 06:31	10/20/21 20:50	1
Naphthalene	<0.27		0.88	0.27	ug/L		10/18/21 06:31	10/20/21 20:50	1
Phenanthrene	<0.27		0.88	0.27	ug/L		10/18/21 06:31	10/20/21 20:50	1
Pyrene	<0.38		0.88	0.38	ug/L		10/18/21 06:31	10/20/21 20:50	1
1-Methylnaphthalene	<0.27		1.8	0.27	ug/L		10/18/21 06:31	10/20/21 20:50	1
2-Methylnaphthalene	<0.058		1.8	0.058	ug/L		10/18/21 06:31	10/20/21 20:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*70*		*36 - 120*	*10/18/21 06:31*	*10/20/21 20:50*	*1*
Terphenyl-d14 (Surr)	*99*		*40 - 145*	*10/18/21 06:31*	*10/20/21 20:50*	*1*
2-Fluorobiphenyl (Surr)	*65*		*34 - 110*	*10/18/21 06:31*	*10/20/21 20:50*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.0		4.2	2.0	ng/L		10/19/21 19:05	10/20/21 16:12	1
Perfluoropentanoic acid (PFPeA)	**1.1**	**J**	1.7	0.41	ng/L		10/19/21 19:05	10/20/21 16:12	1
Perfluorohexanoic acid (PFHxA)	**0.58**	**J**	1.7	0.49	ng/L		10/19/21 19:05	10/20/21 16:12	1

Client: Ramboll US Corporation
Project/Site: Former Mirro 20 - Chilton 1690019558

Job ID: 500-206977-1

Client Sample ID: EB-02
Date Collected: 10/13/21 17:00
Date Received: 10/16/21 11:30

Lab Sample ID: 500-206977-28
Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoroheptanoic acid (PFHpA)	<0.21		1.7	0.21	ng/L		10/19/21 19:05	10/20/21 16:12	1
Perfluorooctanoic acid (PFOA)	**0.93**	**J**	1.7	0.71	ng/L		10/19/21 19:05	10/20/21 16:12	1
Perfluorononanoic acid (PFNA)	<0.23		1.7	0.23	ng/L		10/19/21 19:05	10/20/21 16:12	1
Perfluorodecanoic acid (PFDA)	**0.38**	**J**	1.7	0.26	ng/L		10/19/21 19:05	10/20/21 16:12	1
Perfluoroundecanoic acid (PFUnA)	<0.92		1.7	0.92	ng/L		10/19/21 19:05	10/20/21 16:12	1
Perfluorododecanoic acid (PFDoA)	<0.46		1.7	0.46	ng/L		10/19/21 19:05	10/20/21 16:12	1
Perfluorotridecanoic acid (PFTrDA)	<1.1		1.7	1.1	ng/L		10/19/21 19:05	10/20/21 16:12	1
Perfluorotetradecanoic acid (PFTeA)	<0.61		1.7	0.61	ng/L		10/19/21 19:05	10/20/21 16:12	1
Perfluorobutanesulfonic acid (PFBS)	<0.17		1.7	0.17	ng/L		10/19/21 19:05	10/20/21 16:12	1
Perfluoropentanesulfonic acid (PFPeS)	<0.25		1.7	0.25	ng/L		10/19/21 19:05	10/20/21 16:12	1
Perfluorohexanesulfonic acid (PFHxS)	<0.48		1.7	0.48	ng/L		10/19/21 19:05	10/20/21 16:12	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.16		1.7	0.16	ng/L		10/19/21 19:05	10/20/21 16:12	1
Perfluorooctanesulfonic acid (PFOS)	**1.4**	**J**	1.7	0.45	ng/L		10/19/21 19:05	10/20/21 16:12	1
Perfluorononanesulfonic acid (PFNS)	<0.31		1.7	0.31	ng/L		10/19/21 19:05	10/20/21 16:12	1
Perfluorodecanesulfonic acid (PFDS)	<0.27		1.7	0.27	ng/L		10/19/21 19:05	10/20/21 16:12	1
Perfluorododecanesulfonic acid (PFDoS)	<0.82		1.7	0.82	ng/L		10/19/21 19:05	10/20/21 16:12	1
Perfluorooctanesulfonamide (FOSA)	<0.82		1.7	0.82	ng/L		10/19/21 19:05	10/20/21 16:12	1
NEtFOSA	<0.73		1.7	0.73	ng/L		10/19/21 19:05	10/20/21 16:12	1
NMeFOSA	<0.36		1.7	0.36	ng/L		10/19/21 19:05	10/20/21 16:12	1
NMeFOSAA	**1.1**	**J**	4.2	1.0	ng/L		10/19/21 19:05	10/20/21 16:12	1
NEtFOSAA	<1.1		4.2	1.1	ng/L		10/19/21 19:05	10/20/21 16:12	1
NMeFOSE	**2.0**	**J**	3.4	1.2	ng/L		10/19/21 19:05	10/20/21 16:12	1
NEtFOSE	**4.5**		1.7	0.71	ng/L		10/19/21 19:05	10/20/21 16:12	1
4:2 FTS	<0.20		1.7	0.20	ng/L		10/19/21 19:05	10/20/21 16:12	1
6:2 FTS	<2.1		4.2	2.1	ng/L		10/19/21 19:05	10/20/21 16:12	1
8:2 FTS	**0.40**	**J**	1.7	0.39	ng/L		10/19/21 19:05	10/20/21 16:12	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.34		1.7	0.34	ng/L		10/19/21 19:05	10/20/21 16:12	1
HFPO-DA (GenX)	<1.3		3.4	1.3	ng/L		10/19/21 19:05	10/20/21 16:12	1
9Cl-PF3ONS	<0.20		1.7	0.20	ng/L		10/19/21 19:05	10/20/21 16:12	1
11Cl-PF3OUdS	<0.27		1.7	0.27	ng/L		10/19/21 19:05	10/20/21 16:12	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*91*		*25 - 150*	*10/19/21 19:05*	*10/20/21 16:12*	*1*
13C5 PFPeA	*91*		*25 - 150*	*10/19/21 19:05*	*10/20/21 16:12*	*1*
13C2 PFHxA	*107*		*25 - 150*	*10/19/21 19:05*	*10/20/21 16:12*	*1*
13C4 PFHpA	*92*		*25 - 150*	*10/19/21 19:05*	*10/20/21 16:12*	*1*
13C4 PFOA	*92*		*25 - 150*	*10/19/21 19:05*	*10/20/21 16:12*	*1*
13C5 PFNA	*88*		*25 - 150*	*10/19/21 19:05*	*10/20/21 16:12*	*1*
13C2 PFDA	*96*		*25 - 150*	*10/19/21 19:05*	*10/20/21 16:12*	*1*
13C2 PFUnA	*106*		*25 - 150*	*10/19/21 19:05*	*10/20/21 16:12*	*1*
13C2 PFDoA	*96*		*25 - 150*	*10/19/21 19:05*	*10/20/21 16:12*	*1*
13C2 PFTeDA	*77*		*25 - 150*	*10/19/21 19:05*	*10/20/21 16:12*	*1*
13C3 PFBS	*93*		*25 - 150*	*10/19/21 19:05*	*10/20/21 16:12*	*1*
18O2 PFHxS	*82*		*25 - 150*	*10/19/21 19:05*	*10/20/21 16:12*	*1*
13C4 PFOS	*84*		*25 - 150*	*10/19/21 19:05*	*10/20/21 16:12*	*1*
13C8 FOSA	*81*		*10 - 150*	*10/19/21 19:05*	*10/20/21 16:12*	*1*

Client: Ramboll US Corporation
Job ID: 500-206977-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: EB-02
Lab Sample ID: 500-206977-28
Date Collected: 10/13/21 17:00
Matrix: Water
Date Received: 10/16/21 11:30

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d3-NMeFOSAA	81		25 - 150	10/19/21 19:05	10/20/21 16:12	1
d5-NEtFOSAA	88		25 - 150	10/19/21 19:05	10/20/21 16:12	1
d-N-MeFOSA-M	81		10 - 150	10/19/21 19:05	10/20/21 16:12	1
d-N-EtFOSA-M	81		10 - 150	10/19/21 19:05	10/20/21 16:12	1
d7-N-MeFOSE-M	77		10 - 150	10/19/21 19:05	10/20/21 16:12	1
d9-N-EtFOSE-M	70		10 - 150	10/19/21 19:05	10/20/21 16:12	1
M2-4:2 FTS	116		25 - 150	10/19/21 19:05	10/20/21 16:12	1
M2-6:2 FTS	88		25 - 150	10/19/21 19:05	10/20/21 16:12	1
M2-8:2 FTS	97		25 - 150	10/19/21 19:05	10/20/21 16:12	1
13C3 HFPO-DA	113		25 - 150	10/19/21 19:05	10/20/21 16:12	1
13C2 10:2 FTS	112		25 - 150	10/19/21 19:05	10/20/21 16:12	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.43**	**J**	1.0	0.23	ug/L		10/22/21 09:55	10/25/21 16:47	1
Barium	**1.9**	**J**	2.5	0.73	ug/L		10/22/21 09:55	10/25/21 16:47	1
Cadmium	<0.17		0.50	0.17	ug/L		10/22/21 09:55	10/25/21 16:47	1
Chromium	<1.1		5.0	1.1	ug/L		10/22/21 09:55	10/25/21 16:47	1
Lead	<0.19		0.50	0.19	ug/L		10/22/21 09:55	10/25/21 16:47	1
Selenium	<0.98		2.5	0.98	ug/L		10/22/21 09:55	10/25/21 16:47	1
Silver	<0.12		0.50	0.12	ug/L		10/22/21 09:55	10/25/21 16:47	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.098		0.20	0.098	ug/L		10/25/21 10:05	10/26/21 07:22	1

Client: Ramboll US Corporation
Job ID: 500-206977-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: FB-02
Lab Sample ID: 500-206977-29
Date Collected: 10/13/21 17:00
Matrix: Water
Date Received: 10/16/21 11:30

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.1		4.4	2.1	ng/L		10/19/21 19:05	10/20/21 16:54	1
Perfluoropentanoic acid (PFPeA)	<0.43		1.7	0.43	ng/L		10/19/21 19:05	10/20/21 16:54	1
Perfluorohexanoic acid (PFHxA)	<0.51		1.7	0.51	ng/L		10/19/21 19:05	10/20/21 16:54	1
Perfluoroheptanoic acid (PFHpA)	<0.22		1.7	0.22	ng/L		10/19/21 19:05	10/20/21 16:54	1
Perfluorooctanoic acid (PFOA)	<0.74		1.7	0.74	ng/L		10/19/21 19:05	10/20/21 16:54	1
Perfluorononanoic acid (PFNA)	<0.24		1.7	0.24	ng/L		10/19/21 19:05	10/20/21 16:54	1
Perfluorodecanoic acid (PFDA)	<0.27		1.7	0.27	ng/L		10/19/21 19:05	10/20/21 16:54	1
Perfluoroundecanoic acid (PFUnA)	<0.96		1.7	0.96	ng/L		10/19/21 19:05	10/20/21 16:54	1
Perfluorododecanoic acid (PFDoA)	<0.48		1.7	0.48	ng/L		10/19/21 19:05	10/20/21 16:54	1
Perfluorotridecanoic acid (PFTrDA)	<1.1		1.7	1.1	ng/L		10/19/21 19:05	10/20/21 16:54	1
Perfluorotetradecanoic acid (PFTeA)	<0.64		1.7	0.64	ng/L		10/19/21 19:05	10/20/21 16:54	1
Perfluorobutanesulfonic acid (PFBS)	<0.17		1.7	0.17	ng/L		10/19/21 19:05	10/20/21 16:54	1
Perfluoropentanesulfonic acid (PFPeS)	<0.26		1.7	0.26	ng/L		10/19/21 19:05	10/20/21 16:54	1
Perfluorohexanesulfonic acid (PFHxS)	<0.50		1.7	0.50	ng/L		10/19/21 19:05	10/20/21 16:54	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.17		1.7	0.17	ng/L		10/19/21 19:05	10/20/21 16:54	1
Perfluorooctanesulfonic acid (PFOS)	<0.47		1.7	0.47	ng/L		10/19/21 19:05	10/20/21 16:54	1
Perfluorononanesulfonic acid (PFNS)	<0.32		1.7	0.32	ng/L		10/19/21 19:05	10/20/21 16:54	1
Perfluorodecanesulfonic acid (PFDS)	<0.28		1.7	0.28	ng/L		10/19/21 19:05	10/20/21 16:54	1
Perfluorododecanesulfonic acid (PFDoS)	<0.85		1.7	0.85	ng/L		10/19/21 19:05	10/20/21 16:54	1
Perfluorooctanesulfonamide (FOSA)	<0.86		1.7	0.86	ng/L		10/19/21 19:05	10/20/21 16:54	1
NEtFOSA	<0.76		1.7	0.76	ng/L		10/19/21 19:05	10/20/21 16:54	1
NMeFOSA	<0.38		1.7	0.38	ng/L		10/19/21 19:05	10/20/21 16:54	1
NMeFOSAA	<1.0		4.4	1.0	ng/L		10/19/21 19:05	10/20/21 16:54	1
NEtFOSAA	<1.1		4.4	1.1	ng/L		10/19/21 19:05	10/20/21 16:54	1
NMeFOSE	<1.2		3.5	1.2	ng/L		10/19/21 19:05	10/20/21 16:54	1
NEtFOSE	<0.74		1.7	0.74	ng/L		10/19/21 19:05	10/20/21 16:54	1
4:2 FTS	<0.21		1.7	0.21	ng/L		10/19/21 19:05	10/20/21 16:54	1
6:2 FTS	<2.2		4.4	2.2	ng/L		10/19/21 19:05	10/20/21 16:54	1
8:2 FTS	<0.40		1.7	0.40	ng/L		10/19/21 19:05	10/20/21 16:54	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.35		1.7	0.35	ng/L		10/19/21 19:05	10/20/21 16:54	1
HFPO-DA (GenX)	<1.3		3.5	1.3	ng/L		10/19/21 19:05	10/20/21 16:54	1
9Cl-PF3ONS	<0.21		1.7	0.21	ng/L		10/19/21 19:05	10/20/21 16:54	1
11Cl-PF3OUdS	<0.28		1.7	0.28	ng/L		10/19/21 19:05	10/20/21 16:54	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*96*		*25 - 150*	*10/19/21 19:05*	*10/20/21 16:54*	*1*
13C5 PFPeA	*105*		*25 - 150*	*10/19/21 19:05*	*10/20/21 16:54*	*1*
13C2 PFHxA	*111*		*25 - 150*	*10/19/21 19:05*	*10/20/21 16:54*	*1*
13C4 PFHpA	*111*		*25 - 150*	*10/19/21 19:05*	*10/20/21 16:54*	*1*
13C4 PFOA	*94*		*25 - 150*	*10/19/21 19:05*	*10/20/21 16:54*	*1*
13C5 PFNA	*101*		*25 - 150*	*10/19/21 19:05*	*10/20/21 16:54*	*1*
13C2 PFDA	*104*		*25 - 150*	*10/19/21 19:05*	*10/20/21 16:54*	*1*
13C2 PFUnA	*114*		*25 - 150*	*10/19/21 19:05*	*10/20/21 16:54*	*1*
13C2 PFDoA	*100*		*25 - 150*	*10/19/21 19:05*	*10/20/21 16:54*	*1*
13C2 PFTeDA	*84*		*25 - 150*	*10/19/21 19:05*	*10/20/21 16:54*	*1*
13C3 PFBS	*98*		*25 - 150*	*10/19/21 19:05*	*10/20/21 16:54*	*1*
18O2 PFHxS	*90*		*25 - 150*	*10/19/21 19:05*	*10/20/21 16:54*	*1*

Client: Ramboll US Corporation
Job ID: 500-206977-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: FB-02
Lab Sample ID: 500-206977-29
Date Collected: 10/13/21 17:00
Matrix: Water
Date Received: 10/16/21 11:30

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFOS	88		25 - 150	10/19/21 19:05	10/20/21 16:54	1
13C8 FOSA	85		10 - 150	10/19/21 19:05	10/20/21 16:54	1
d3-NMeFOSAA	94		25 - 150	10/19/21 19:05	10/20/21 16:54	1
d5-NEtFOSAA	95		25 - 150	10/19/21 19:05	10/20/21 16:54	1
d-N-MeFOSA-M	83		10 - 150	10/19/21 19:05	10/20/21 16:54	1
d-N-EtFOSA-M	83		10 - 150	10/19/21 19:05	10/20/21 16:54	1
d7-N-MeFOSE-M	75		10 - 150	10/19/21 19:05	10/20/21 16:54	1
d9-N-EtFOSE-M	73		10 - 150	10/19/21 19:05	10/20/21 16:54	1
M2-4:2 FTS	119		25 - 150	10/19/21 19:05	10/20/21 16:54	1
M2-6:2 FTS	93		25 - 150	10/19/21 19:05	10/20/21 16:54	1
M2-8:2 FTS	105		25 - 150	10/19/21 19:05	10/20/21 16:54	1
13C3 HFPO-DA	115		25 - 150	10/19/21 19:05	10/20/21 16:54	1
13C2 10:2 FTS	110		25 - 150	10/19/21 19:05	10/20/21 16:54	1

Client: Ramboll US Corporation
Project/Site: Former Mirro 20 - Chilton 1690019558

Job ID: 500-206977-1

Client Sample ID: MW-9
Date Collected: 10/14/21 10:00
Date Received: 10/16/21 11:30

Lab Sample ID: 500-206977-30
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			10/27/21 18:04	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/27/21 18:04	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/27/21 18:04	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			10/27/21 18:04	1
Bromoform	<0.48		1.0	0.48	ug/L			10/27/21 18:04	1
Bromomethane	<0.80		3.0	0.80	ug/L			10/27/21 18:04	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			10/27/21 18:04	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/27/21 18:04	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/27/21 18:04	1
Chloroethane	<0.51		1.0	0.51	ug/L			10/27/21 18:04	1
Chloroform	**0.48**	**J**	2.0	0.37	ug/L			10/27/21 18:04	1
Chloromethane	<0.32		1.0	0.32	ug/L			10/27/21 18:04	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/27/21 18:04	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/27/21 18:04	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			10/27/21 18:04	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/27/21 18:04	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			10/27/21 18:04	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			10/27/21 18:04	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			10/27/21 18:04	1
Dibromomethane	<0.27		1.0	0.27	ug/L			10/27/21 18:04	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/27/21 18:04	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/27/21 18:04	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/27/21 18:04	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			10/27/21 18:04	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/27/21 18:04	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			10/27/21 18:04	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			10/27/21 18:04	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			10/27/21 18:04	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/27/21 18:04	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			10/27/21 18:04	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			10/27/21 18:04	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			10/27/21 18:04	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/27/21 18:04	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/27/21 18:04	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			10/27/21 18:04	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			10/27/21 18:04	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			10/27/21 18:04	1
Naphthalene	<0.34		1.0	0.34	ug/L			10/27/21 18:04	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/27/21 18:04	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/27/21 18:04	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/27/21 18:04	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			10/27/21 18:04	1
Styrene	<0.39		1.0	0.39	ug/L			10/27/21 18:04	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/27/21 18:04	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			10/27/21 18:04	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			10/27/21 18:04	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			10/27/21 18:04	1
Toluene	<0.15		0.50	0.15	ug/L			10/27/21 18:04	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			10/27/21 18:04	1

Client Sample ID: MW-9
Lab Sample ID: 500-206977-30
Date Collected: 10/14/21 10:00
Matrix: Water
Date Received: 10/16/21 11:30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/27/21 18:04	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			10/27/21 18:04	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/27/21 18:04	1
1,1,1-Trichloroethane	**2.6**		1.0	0.38	ug/L			10/27/21 18:04	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			10/27/21 18:04	1
Trichloroethene	<0.16		0.50	0.16	ug/L			10/27/21 18:04	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			10/27/21 18:04	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			10/27/21 18:04	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/27/21 18:04	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/27/21 18:04	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			10/27/21 18:04	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			10/27/21 18:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*72 - 124*		*10/27/21 18:04*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 120*		*10/27/21 18:04*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 126*		*10/27/21 18:04*	*1*
Toluene-d8 (Surr)	*97*		*75 - 120*		*10/27/21 18:04*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**2.2**	**J**	4.7	2.2	ng/L		10/19/21 05:09	10/20/21 05:01	1
Perfluoropentanoic acid (PFPeA)	**0.57**	**J**	1.9	0.46	ng/L		10/19/21 05:09	10/20/21 05:01	1
Perfluorohexanoic acid (PFHxA)	**1.3**	**J**	1.9	0.54	ng/L		10/19/21 05:09	10/20/21 05:01	1
Perfluoroheptanoic acid (PFHpA)	**0.43**	**J**	1.9	0.23	ng/L		10/19/21 05:09	10/20/21 05:01	1
Perfluorooctanoic acid (PFOA)	**3.8**		1.9	0.79	ng/L		10/19/21 05:09	10/20/21 05:01	1
Perfluorononanoic acid (PFNA)	<0.25		1.9	0.25	ng/L		10/19/21 05:09	10/20/21 05:01	1
Perfluorodecanoic acid (PFDA)	<0.29		1.9	0.29	ng/L		10/19/21 05:09	10/20/21 05:01	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		10/19/21 05:09	10/20/21 05:01	1
Perfluorododecanoic acid (PFDoA)	<0.51		1.9	0.51	ng/L		10/19/21 05:09	10/20/21 05:01	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.9	1.2	ng/L		10/19/21 05:09	10/20/21 05:01	1
Perfluorotetradecanoic acid (PFTeA)	<0.68		1.9	0.68	ng/L		10/19/21 05:09	10/20/21 05:01	1
Perfluorobutanesulfonic acid (PFBS)	**0.93**	**J**	1.9	0.19	ng/L		10/19/21 05:09	10/20/21 05:01	1
Perfluoropentanesulfonic acid (PFPeS)	**0.31**	**J**	1.9	0.28	ng/L		10/19/21 05:09	10/20/21 05:01	1
Perfluorohexanesulfonic acid (PFHxS)	**7.7**		1.9	0.53	ng/L		10/19/21 05:09	10/20/21 05:01	1
Perfluoroheptanesulfonic Acid (PFHpS)	**0.18**	**J**	1.9	0.18	ng/L		10/19/21 05:09	10/20/21 05:01	1
Perfluorooctanesulfonic acid (PFOS)	**41**		1.9	0.50	ng/L		10/19/21 05:09	10/20/21 05:01	1
Perfluorononanesulfonic acid (PFNS)	<0.34		1.9	0.34	ng/L		10/19/21 05:09	10/20/21 05:01	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		10/19/21 05:09	10/20/21 05:01	1
Perfluorododecanesulfonic acid (PFDoS)	<0.90		1.9	0.90	ng/L		10/19/21 05:09	10/20/21 05:01	1
Perfluorooctanesulfonamide (FOSA)	<0.91		1.9	0.91	ng/L		10/19/21 05:09	10/20/21 05:01	1
NEtFOSA	<0.81		1.9	0.81	ng/L		10/19/21 05:09	10/20/21 05:01	1
NMeFOSA	<0.40		1.9	0.40	ng/L		10/19/21 05:09	10/20/21 05:01	1
NMeFOSAA	<1.1		4.7	1.1	ng/L		10/19/21 05:09	10/20/21 05:01	1
NEtFOSAA	<1.2		4.7	1.2	ng/L		10/19/21 05:09	10/20/21 05:01	1

Client: Ramboll US Corporation
Job ID: 500-206977-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: MW-9
Lab Sample ID: 500-206977-30
Date Collected: 10/14/21 10:00
Matrix: Water
Date Received: 10/16/21 11:30

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
NMeFOSE	<1.3		3.7	1.3	ng/L		10/19/21 05:09	10/20/21 05:01	1
NEtFOSE	<0.79		1.9	0.79	ng/L		10/19/21 05:09	10/20/21 05:01	1
4:2 FTS	<0.22		1.9	0.22	ng/L		10/19/21 05:09	10/20/21 05:01	1
6:2 FTS	<2.3		4.7	2.3	ng/L		10/19/21 05:09	10/20/21 05:01	1
8:2 FTS	<0.43		1.9	0.43	ng/L		10/19/21 05:09	10/20/21 05:01	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.37		1.9	0.37	ng/L		10/19/21 05:09	10/20/21 05:01	1
HFPO-DA (GenX)	<1.4		3.7	1.4	ng/L		10/19/21 05:09	10/20/21 05:01	1
9Cl-PF3ONS	<0.22		1.9	0.22	ng/L		10/19/21 05:09	10/20/21 05:01	1
11Cl-PF3OUdS	<0.30		1.9	0.30	ng/L		10/19/21 05:09	10/20/21 05:01	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*95*		*25 - 150*	*10/19/21 05:09*	*10/20/21 05:01*	*1*
13C5 PFPeA	*109*		*25 - 150*	*10/19/21 05:09*	*10/20/21 05:01*	*1*
13C2 PFHxA	*99*		*25 - 150*	*10/19/21 05:09*	*10/20/21 05:01*	*1*
13C4 PFHpA	*103*		*25 - 150*	*10/19/21 05:09*	*10/20/21 05:01*	*1*
13C4 PFOA	*101*		*25 - 150*	*10/19/21 05:09*	*10/20/21 05:01*	*1*
13C5 PFNA	*109*		*25 - 150*	*10/19/21 05:09*	*10/20/21 05:01*	*1*
13C2 PFDA	*105*		*25 - 150*	*10/19/21 05:09*	*10/20/21 05:01*	*1*
13C2 PFUnA	*100*		*25 - 150*	*10/19/21 05:09*	*10/20/21 05:01*	*1*
13C2 PFDoA	*99*		*25 - 150*	*10/19/21 05:09*	*10/20/21 05:01*	*1*
13C2 PFTeDA	*99*		*25 - 150*	*10/19/21 05:09*	*10/20/21 05:01*	*1*
13C3 PFBS	*103*		*25 - 150*	*10/19/21 05:09*	*10/20/21 05:01*	*1*
18O2 PFHxS	*99*		*25 - 150*	*10/19/21 05:09*	*10/20/21 05:01*	*1*
13C4 PFOS	*102*		*25 - 150*	*10/19/21 05:09*	*10/20/21 05:01*	*1*
13C8 FOSA	*99*		*10 - 150*	*10/19/21 05:09*	*10/20/21 05:01*	*1*
d3-NMeFOSAA	*95*		*25 - 150*	*10/19/21 05:09*	*10/20/21 05:01*	*1*
d5-NEtFOSAA	*99*		*25 - 150*	*10/19/21 05:09*	*10/20/21 05:01*	*1*
d-N-MeFOSA-M	*87*		*10 - 150*	*10/19/21 05:09*	*10/20/21 05:01*	*1*
d-N-EtFOSA-M	*85*		*10 - 150*	*10/19/21 05:09*	*10/20/21 05:01*	*1*
d7-N-MeFOSE-M	*90*		*10 - 150*	*10/19/21 05:09*	*10/20/21 05:01*	*1*
d9-N-EtFOSE-M	*94*		*10 - 150*	*10/19/21 05:09*	*10/20/21 05:01*	*1*
M2-4:2 FTS	*137*		*25 - 150*	*10/19/21 05:09*	*10/20/21 05:01*	*1*
M2-6:2 FTS	*125*		*25 - 150*	*10/19/21 05:09*	*10/20/21 05:01*	*1*
M2-8:2 FTS	*128*		*25 - 150*	*10/19/21 05:09*	*10/20/21 05:01*	*1*
13C3 HFPO-DA	*108*		*25 - 150*	*10/19/21 05:09*	*10/20/21 05:01*	*1*
13C2 10:2 FTS	*119*		*25 - 150*	*10/19/21 05:09*	*10/20/21 05:01*	*1*

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.83**	**J**	1.0	0.23	ug/L		10/22/21 09:55	10/25/21 16:50	1

Client: Ramboll US Corporation
Job ID: 500-206977-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: OMPZ-3
Lab Sample ID: 500-206977-31
Date Collected: 10/14/21 10:55
Matrix: Water
Date Received: 10/16/21 11:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			10/27/21 18:32	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/27/21 18:32	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/27/21 18:32	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			10/27/21 18:32	1
Bromoform	<0.48		1.0	0.48	ug/L			10/27/21 18:32	1
Bromomethane	<0.80		3.0	0.80	ug/L			10/27/21 18:32	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			10/27/21 18:32	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/27/21 18:32	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/27/21 18:32	1
Chloroethane	<0.51		1.0	0.51	ug/L			10/27/21 18:32	1
Chloroform	<0.37		2.0	0.37	ug/L			10/27/21 18:32	1
Chloromethane	<0.32		1.0	0.32	ug/L			10/27/21 18:32	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/27/21 18:32	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/27/21 18:32	1
cis-1,2-Dichloroethene	**120**		1.0	0.41	ug/L			10/27/21 18:32	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/27/21 18:32	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			10/27/21 18:32	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			10/27/21 18:32	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			10/27/21 18:32	1
Dibromomethane	<0.27		1.0	0.27	ug/L			10/27/21 18:32	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/27/21 18:32	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/27/21 18:32	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/27/21 18:32	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			10/27/21 18:32	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/27/21 18:32	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			10/27/21 18:32	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			10/27/21 18:32	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			10/27/21 18:32	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/27/21 18:32	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			10/27/21 18:32	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			10/27/21 18:32	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			10/27/21 18:32	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/27/21 18:32	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/27/21 18:32	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			10/27/21 18:32	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			10/27/21 18:32	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			10/27/21 18:32	1
Naphthalene	<0.34		1.0	0.34	ug/L			10/27/21 18:32	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/27/21 18:32	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/27/21 18:32	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/27/21 18:32	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			10/27/21 18:32	1
Styrene	<0.39		1.0	0.39	ug/L			10/27/21 18:32	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/27/21 18:32	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			10/27/21 18:32	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			10/27/21 18:32	1
Tetrachloroethene	**9.6**		1.0	0.37	ug/L			10/27/21 18:32	1
Toluene	<0.15		0.50	0.15	ug/L			10/27/21 18:32	1
trans-1,2-Dichloroethene	**7.7**		1.0	0.35	ug/L			10/27/21 18:32	1

Client Sample ID: OMPZ-3
Lab Sample ID: 500-206977-31
Date Collected: 10/14/21 10:55
Matrix: Water
Date Received: 10/16/21 11:30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/27/21 18:32	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			10/27/21 18:32	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/27/21 18:32	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			10/27/21 18:32	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			10/27/21 18:32	1
Trichloroethene	**7.2**		0.50	0.16	ug/L			10/27/21 18:32	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			10/27/21 18:32	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			10/27/21 18:32	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/27/21 18:32	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/27/21 18:32	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			10/27/21 18:32	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			10/27/21 18:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*72 - 124*		*10/27/21 18:32*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 120*		*10/27/21 18:32*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 126*		*10/27/21 18:32*	*1*
Toluene-d8 (Surr)	*99*		*75 - 120*		*10/27/21 18:32*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.3		4.7	2.3	ng/L		10/19/21 05:09	10/20/21 05:42	1
Perfluoropentanoic acid (PFPeA)	**0.61**	**J**	1.9	0.46	ng/L		10/19/21 05:09	10/20/21 05:42	1
Perfluorohexanoic acid (PFHxA)	<0.55		1.9	0.55	ng/L		10/19/21 05:09	10/20/21 05:42	1
Perfluoroheptanoic acid (PFHpA)	<0.24		1.9	0.24	ng/L		10/19/21 05:09	10/20/21 05:42	1
Perfluorooctanoic acid (PFOA)	<0.80		1.9	0.80	ng/L		10/19/21 05:09	10/20/21 05:42	1
Perfluorononanoic acid (PFNA)	<0.26		1.9	0.26	ng/L		10/19/21 05:09	10/20/21 05:42	1
Perfluorodecanoic acid (PFDA)	<0.29		1.9	0.29	ng/L		10/19/21 05:09	10/20/21 05:42	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		10/19/21 05:09	10/20/21 05:42	1
Perfluorododecanoic acid (PFDoA)	<0.52		1.9	0.52	ng/L		10/19/21 05:09	10/20/21 05:42	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.9	1.2	ng/L		10/19/21 05:09	10/20/21 05:42	1
Perfluorotetradecanoic acid (PFTeA)	<0.69		1.9	0.69	ng/L		10/19/21 05:09	10/20/21 05:42	1
Perfluorobutanesulfonic acid (PFBS)	**1.1**	**J**	1.9	0.19	ng/L		10/19/21 05:09	10/20/21 05:42	1
Perfluoropentanesulfonic acid (PFPeS)	<0.28		1.9	0.28	ng/L		10/19/21 05:09	10/20/21 05:42	1
Perfluorohexanesulfonic acid (PFHxS)	**0.77**	**J**	1.9	0.54	ng/L		10/19/21 05:09	10/20/21 05:42	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.18		1.9	0.18	ng/L		10/19/21 05:09	10/20/21 05:42	1
Perfluorooctanesulfonic acid (PFOS)	**0.86**	**J**	1.9	0.51	ng/L		10/19/21 05:09	10/20/21 05:42	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		10/19/21 05:09	10/20/21 05:42	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		10/19/21 05:09	10/20/21 05:42	1
Perfluorododecanesulfonic acid (PFDoS)	<0.92		1.9	0.92	ng/L		10/19/21 05:09	10/20/21 05:42	1
Perfluorooctanesulfonamide (FOSA)	<0.93		1.9	0.93	ng/L		10/19/21 05:09	10/20/21 05:42	1
NEtFOSA	<0.82		1.9	0.82	ng/L		10/19/21 05:09	10/20/21 05:42	1
NMeFOSA	<0.41		1.9	0.41	ng/L		10/19/21 05:09	10/20/21 05:42	1
NMeFOSAA	<1.1		4.7	1.1	ng/L		10/19/21 05:09	10/20/21 05:42	1
NEtFOSAA	<1.2		4.7	1.2	ng/L		10/19/21 05:09	10/20/21 05:42	1

Client: Ramboll US Corporation
Project/Site: Former Mirro 20 - Chilton 1690019558

Job ID: 500-206977-1

Client Sample ID: OMPZ-3
Date Collected: 10/14/21 10:55
Date Received: 10/16/21 11:30

Lab Sample ID: 500-206977-31
Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
NMeFOSE	<1.3		3.8	1.3	ng/L		10/19/21 05:09	10/20/21 05:42	1
NEtFOSE	<0.80		1.9	0.80	ng/L		10/19/21 05:09	10/20/21 05:42	1
4:2 FTS	<0.23		1.9	0.23	ng/L		10/19/21 05:09	10/20/21 05:42	1
6:2 FTS	<2.4		4.7	2.4	ng/L		10/19/21 05:09	10/20/21 05:42	1
8:2 FTS	<0.44		1.9	0.44	ng/L		10/19/21 05:09	10/20/21 05:42	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.38		1.9	0.38	ng/L		10/19/21 05:09	10/20/21 05:42	1
HFPO-DA (GenX)	<1.4		3.8	1.4	ng/L		10/19/21 05:09	10/20/21 05:42	1
9Cl-PF3ONS	<0.23		1.9	0.23	ng/L		10/19/21 05:09	10/20/21 05:42	1
11Cl-PF3OUdS	<0.30		1.9	0.30	ng/L		10/19/21 05:09	10/20/21 05:42	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*85*		*25 - 150*	*10/19/21 05:09*	*10/20/21 05:42*	*1*
13C5 PFPeA	*96*		*25 - 150*	*10/19/21 05:09*	*10/20/21 05:42*	*1*
13C2 PFHxA	*90*		*25 - 150*	*10/19/21 05:09*	*10/20/21 05:42*	*1*
13C4 PFHpA	*96*		*25 - 150*	*10/19/21 05:09*	*10/20/21 05:42*	*1*
13C4 PFOA	*101*		*25 - 150*	*10/19/21 05:09*	*10/20/21 05:42*	*1*
13C5 PFNA	*103*		*25 - 150*	*10/19/21 05:09*	*10/20/21 05:42*	*1*
13C2 PFDA	*99*		*25 - 150*	*10/19/21 05:09*	*10/20/21 05:42*	*1*
13C2 PFUnA	*98*		*25 - 150*	*10/19/21 05:09*	*10/20/21 05:42*	*1*
13C2 PFDoA	*92*		*25 - 150*	*10/19/21 05:09*	*10/20/21 05:42*	*1*
13C2 PFTeDA	*91*		*25 - 150*	*10/19/21 05:09*	*10/20/21 05:42*	*1*
13C3 PFBS	*91*		*25 - 150*	*10/19/21 05:09*	*10/20/21 05:42*	*1*
18O2 PFHxS	*90*		*25 - 150*	*10/19/21 05:09*	*10/20/21 05:42*	*1*
13C4 PFOS	*95*		*25 - 150*	*10/19/21 05:09*	*10/20/21 05:42*	*1*
13C8 FOSA	*95*		*10 - 150*	*10/19/21 05:09*	*10/20/21 05:42*	*1*
d3-NMeFOSAA	*94*		*25 - 150*	*10/19/21 05:09*	*10/20/21 05:42*	*1*
d5-NEtFOSAA	*99*		*25 - 150*	*10/19/21 05:09*	*10/20/21 05:42*	*1*
d-N-MeFOSA-M	*80*		*10 - 150*	*10/19/21 05:09*	*10/20/21 05:42*	*1*
d-N-EtFOSA-M	*78*		*10 - 150*	*10/19/21 05:09*	*10/20/21 05:42*	*1*
d7-N-MeFOSE-M	*85*		*10 - 150*	*10/19/21 05:09*	*10/20/21 05:42*	*1*
d9-N-EtFOSE-M	*89*		*10 - 150*	*10/19/21 05:09*	*10/20/21 05:42*	*1*
M2-4:2 FTS	*115*		*25 - 150*	*10/19/21 05:09*	*10/20/21 05:42*	*1*
M2-6:2 FTS	*105*		*25 - 150*	*10/19/21 05:09*	*10/20/21 05:42*	*1*
M2-8:2 FTS	*116*		*25 - 150*	*10/19/21 05:09*	*10/20/21 05:42*	*1*
13C3 HFPO-DA	*97*		*25 - 150*	*10/19/21 05:09*	*10/20/21 05:42*	*1*
13C2 10:2 FTS	*109*		*25 - 150*	*10/19/21 05:09*	*10/20/21 05:42*	*1*

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**1.8**		1.0	0.23	ug/L		10/22/21 09:55	10/25/21 16:53	1

Client: Ramboll US Corporation
Project/Site: Former Mirro 20 - Chilton 1690019558

Job ID: 500-206977-1

Client Sample ID: PZ-8
Date Collected: 10/14/21 12:00
Date Received: 10/16/21 11:30

Lab Sample ID: 500-206977-32
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			10/27/21 19:30	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/27/21 19:30	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/27/21 19:30	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			10/27/21 19:30	1
Bromoform	<0.48		1.0	0.48	ug/L			10/27/21 19:30	1
Bromomethane	<0.80		3.0	0.80	ug/L			10/27/21 19:30	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			10/27/21 19:30	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/27/21 19:30	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/27/21 19:30	1
Chloroethane	<0.51		1.0	0.51	ug/L			10/27/21 19:30	1
Chloroform	<0.37		2.0	0.37	ug/L			10/27/21 19:30	1
Chloromethane	<0.32		1.0	0.32	ug/L			10/27/21 19:30	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/27/21 19:30	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/27/21 19:30	1
cis-1,2-Dichloroethene	**21**		1.0	0.41	ug/L			10/27/21 19:30	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/27/21 19:30	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			10/27/21 19:30	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			10/27/21 19:30	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			10/27/21 19:30	1
Dibromomethane	<0.27		1.0	0.27	ug/L			10/27/21 19:30	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/27/21 19:30	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/27/21 19:30	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/27/21 19:30	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			10/27/21 19:30	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/27/21 19:30	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			10/27/21 19:30	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			10/27/21 19:30	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			10/27/21 19:30	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/27/21 19:30	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			10/27/21 19:30	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			10/27/21 19:30	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			10/27/21 19:30	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/27/21 19:30	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/27/21 19:30	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			10/27/21 19:30	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			10/27/21 19:30	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			10/27/21 19:30	1
Naphthalene	<0.34		1.0	0.34	ug/L			10/27/21 19:30	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/27/21 19:30	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/27/21 19:30	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/27/21 19:30	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			10/27/21 19:30	1
Styrene	<0.39		1.0	0.39	ug/L			10/27/21 19:30	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/27/21 19:30	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			10/27/21 19:30	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			10/27/21 19:30	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			10/27/21 19:30	1
Toluene	<0.15		0.50	0.15	ug/L			10/27/21 19:30	1
trans-1,2-Dichloroethene	**0.93**	**J**	1.0	0.35	ug/L			10/27/21 19:30	1

Client: Ramboll US Corporation
Job ID: 500-206977-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: PZ-8
Lab Sample ID: 500-206977-32
Date Collected: 10/14/21 12:00
Matrix: Water
Date Received: 10/16/21 11:30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/27/21 19:30	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			10/27/21 19:30	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/27/21 19:30	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			10/27/21 19:30	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			10/27/21 19:30	1
Trichloroethene	<0.16		0.50	0.16	ug/L			10/27/21 19:30	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			10/27/21 19:30	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			10/27/21 19:30	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/27/21 19:30	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/27/21 19:30	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			10/27/21 19:30	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			10/27/21 19:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*72 - 124*		*10/27/21 19:30*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 120*		*10/27/21 19:30*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*75 - 126*		*10/27/21 19:30*	*1*
Toluene-d8 (Surr)	*97*		*75 - 120*		*10/27/21 19:30*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.2		4.6	2.2	ng/L		10/19/21 05:09	10/20/21 05:52	1
Perfluoropentanoic acid (PFPeA)	**0.60**	**J**	1.8	0.45	ng/L		10/19/21 05:09	10/20/21 05:52	1
Perfluorohexanoic acid (PFHxA)	<0.54		1.8	0.54	ng/L		10/19/21 05:09	10/20/21 05:52	1
Perfluoroheptanoic acid (PFHpA)	**0.30**	**J**	1.8	0.23	ng/L		10/19/21 05:09	10/20/21 05:52	1
Perfluorooctanoic acid (PFOA)	<0.78		1.8	0.78	ng/L		10/19/21 05:09	10/20/21 05:52	1
Perfluorononanoic acid (PFNA)	<0.25		1.8	0.25	ng/L		10/19/21 05:09	10/20/21 05:52	1
Perfluorodecanoic acid (PFDA)	<0.29		1.8	0.29	ng/L		10/19/21 05:09	10/20/21 05:52	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.8	1.0	ng/L		10/19/21 05:09	10/20/21 05:52	1
Perfluorododecanoic acid (PFDoA)	<0.51		1.8	0.51	ng/L		10/19/21 05:09	10/20/21 05:52	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.8	1.2	ng/L		10/19/21 05:09	10/20/21 05:52	1
Perfluorotetradecanoic acid (PFTeA)	<0.67		1.8	0.67	ng/L		10/19/21 05:09	10/20/21 05:52	1
Perfluorobutanesulfonic acid (PFBS)	**0.94**	**J**	1.8	0.18	ng/L		10/19/21 05:09	10/20/21 05:52	1
Perfluoropentanesulfonic acid (PFPeS)	<0.28		1.8	0.28	ng/L		10/19/21 05:09	10/20/21 05:52	1
Perfluorohexanesulfonic acid (PFHxS)	**0.91**	**J**	1.8	0.53	ng/L		10/19/21 05:09	10/20/21 05:52	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.18		1.8	0.18	ng/L		10/19/21 05:09	10/20/21 05:52	1
Perfluorooctanesulfonic acid (PFOS)	<0.50		1.8	0.50	ng/L		10/19/21 05:09	10/20/21 05:52	1
Perfluorononanesulfonic acid (PFNS)	<0.34		1.8	0.34	ng/L		10/19/21 05:09	10/20/21 05:52	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.8	0.30	ng/L		10/19/21 05:09	10/20/21 05:52	1
Perfluorododecanesulfonic acid (PFDoS)	<0.89		1.8	0.89	ng/L		10/19/21 05:09	10/20/21 05:52	1
Perfluorooctanesulfonamide (FOSA)	<0.90		1.8	0.90	ng/L		10/19/21 05:09	10/20/21 05:52	1
NEtFOSA	<0.80		1.8	0.80	ng/L		10/19/21 05:09	10/20/21 05:52	1
NMeFOSA	<0.40		1.8	0.40	ng/L		10/19/21 05:09	10/20/21 05:52	1
NMeFOSAA	<1.1		4.6	1.1	ng/L		10/19/21 05:09	10/20/21 05:52	1
NEtFOSAA	<1.2		4.6	1.2	ng/L		10/19/21 05:09	10/20/21 05:52	1
NMeFOSE	<1.3		3.7	1.3	ng/L		10/19/21 05:09	10/20/21 05:52	1

Client: Ramboll US Corporation
Job ID: 500-206977-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: PZ-8
Lab Sample ID: 500-206977-32
Date Collected: 10/14/21 12:00
Matrix: Water
Date Received: 10/16/21 11:30

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
NEtFOSE	<0.78		1.8	0.78	ng/L		10/19/21 05:09	10/20/21 05:52	1
4:2 FTS	<0.22		1.8	0.22	ng/L		10/19/21 05:09	10/20/21 05:52	1
6:2 FTS	<2.3		4.6	2.3	ng/L		10/19/21 05:09	10/20/21 05:52	1
8:2 FTS	<0.42		1.8	0.42	ng/L		10/19/21 05:09	10/20/21 05:52	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.37		1.8	0.37	ng/L		10/19/21 05:09	10/20/21 05:52	1
HFPO-DA (GenX)	<1.4		3.7	1.4	ng/L		10/19/21 05:09	10/20/21 05:52	1
9Cl-PF3ONS	<0.22		1.8	0.22	ng/L		10/19/21 05:09	10/20/21 05:52	1
11Cl-PF3OUdS	<0.30		1.8	0.30	ng/L		10/19/21 05:09	10/20/21 05:52	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*94*		*25 - 150*	*10/19/21 05:09*	*10/20/21 05:52*	*1*
13C5 PFPeA	*104*		*25 - 150*	*10/19/21 05:09*	*10/20/21 05:52*	*1*
13C2 PFHxA	*96*		*25 - 150*	*10/19/21 05:09*	*10/20/21 05:52*	*1*
13C4 PFHpA	*99*		*25 - 150*	*10/19/21 05:09*	*10/20/21 05:52*	*1*
13C4 PFOA	*102*		*25 - 150*	*10/19/21 05:09*	*10/20/21 05:52*	*1*
13C5 PFNA	*102*		*25 - 150*	*10/19/21 05:09*	*10/20/21 05:52*	*1*
13C2 PFDA	*106*		*25 - 150*	*10/19/21 05:09*	*10/20/21 05:52*	*1*
13C2 PFUnA	*99*		*25 - 150*	*10/19/21 05:09*	*10/20/21 05:52*	*1*
13C2 PFDoA	*94*		*25 - 150*	*10/19/21 05:09*	*10/20/21 05:52*	*1*
13C2 PFTeDA	*98*		*25 - 150*	*10/19/21 05:09*	*10/20/21 05:52*	*1*
13C3 PFBS	*99*		*25 - 150*	*10/19/21 05:09*	*10/20/21 05:52*	*1*
18O2 PFHxS	*95*		*25 - 150*	*10/19/21 05:09*	*10/20/21 05:52*	*1*
13C4 PFOS	*100*		*25 - 150*	*10/19/21 05:09*	*10/20/21 05:52*	*1*
13C8 FOSA	*98*		*10 - 150*	*10/19/21 05:09*	*10/20/21 05:52*	*1*
d3-NMeFOSAA	*95*		*25 - 150*	*10/19/21 05:09*	*10/20/21 05:52*	*1*
d5-NEtFOSAA	*99*		*25 - 150*	*10/19/21 05:09*	*10/20/21 05:52*	*1*
d-N-MeFOSA-M	*84*		*10 - 150*	*10/19/21 05:09*	*10/20/21 05:52*	*1*
d-N-EtFOSA-M	*85*		*10 - 150*	*10/19/21 05:09*	*10/20/21 05:52*	*1*
d7-N-MeFOSE-M	*86*		*10 - 150*	*10/19/21 05:09*	*10/20/21 05:52*	*1*
d9-N-EtFOSE-M	*92*		*10 - 150*	*10/19/21 05:09*	*10/20/21 05:52*	*1*
M2-4:2 FTS	*119*		*25 - 150*	*10/19/21 05:09*	*10/20/21 05:52*	*1*
M2-6:2 FTS	*118*		*25 - 150*	*10/19/21 05:09*	*10/20/21 05:52*	*1*
M2-8:2 FTS	*114*		*25 - 150*	*10/19/21 05:09*	*10/20/21 05:52*	*1*
13C3 HFPO-DA	*101*		*25 - 150*	*10/19/21 05:09*	*10/20/21 05:52*	*1*
13C2 10:2 FTS	*117*		*25 - 150*	*10/19/21 05:09*	*10/20/21 05:52*	*1*

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.94**	**J**	1.0	0.23	ug/L		10/22/21 09:55	10/25/21 16:57	1

Client: Ramboll US Corporation
Project/Site: Former Mirro 20 - Chilton 1690019558

Job ID: 500-206977-1

Client Sample ID: MW-8
Date Collected: 10/14/21 12:50
Date Received: 10/16/21 11:30

Lab Sample ID: 500-206977-33
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			10/27/21 19:59	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/27/21 19:59	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/27/21 19:59	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			10/27/21 19:59	1
Bromoform	<0.48		1.0	0.48	ug/L			10/27/21 19:59	1
Bromomethane	<0.80		3.0	0.80	ug/L			10/27/21 19:59	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			10/27/21 19:59	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/27/21 19:59	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/27/21 19:59	1
Chloroethane	<0.51		1.0	0.51	ug/L			10/27/21 19:59	1
Chloroform	<0.37		2.0	0.37	ug/L			10/27/21 19:59	1
Chloromethane	<0.32		1.0	0.32	ug/L			10/27/21 19:59	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/27/21 19:59	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/27/21 19:59	1
cis-1,2-Dichloroethene	**180**		1.0	0.41	ug/L			10/27/21 19:59	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/27/21 19:59	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			10/27/21 19:59	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			10/27/21 19:59	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			10/27/21 19:59	1
Dibromomethane	<0.27		1.0	0.27	ug/L			10/27/21 19:59	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/27/21 19:59	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/27/21 19:59	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/27/21 19:59	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			10/27/21 19:59	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/27/21 19:59	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			10/27/21 19:59	1
1,1-Dichloroethene	**0.45**	**J**	1.0	0.39	ug/L			10/27/21 19:59	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			10/27/21 19:59	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/27/21 19:59	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			10/27/21 19:59	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			10/27/21 19:59	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			10/27/21 19:59	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/27/21 19:59	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/27/21 19:59	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			10/27/21 19:59	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			10/27/21 19:59	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			10/27/21 19:59	1
Naphthalene	<0.34		1.0	0.34	ug/L			10/27/21 19:59	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/27/21 19:59	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/27/21 19:59	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/27/21 19:59	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			10/27/21 19:59	1
Styrene	<0.39		1.0	0.39	ug/L			10/27/21 19:59	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/27/21 19:59	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			10/27/21 19:59	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			10/27/21 19:59	1
Tetrachloroethene	**15**		1.0	0.37	ug/L			10/27/21 19:59	1
Toluene	<0.15		0.50	0.15	ug/L			10/27/21 19:59	1
trans-1,2-Dichloroethene	**3.9**		1.0	0.35	ug/L			10/27/21 19:59	1

Client Sample ID: MW-8
Lab Sample ID: 500-206977-33
Date Collected: 10/14/21 12:50
Matrix: Water
Date Received: 10/16/21 11:30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/27/21 19:59	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			10/27/21 19:59	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/27/21 19:59	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			10/27/21 19:59	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			10/27/21 19:59	1
Trichloroethene	**17**		0.50	0.16	ug/L			10/27/21 19:59	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			10/27/21 19:59	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			10/27/21 19:59	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/27/21 19:59	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/27/21 19:59	1
Vinyl chloride	**1.2**		1.0	0.20	ug/L			10/27/21 19:59	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			10/27/21 19:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*72 - 124*		*10/27/21 19:59*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 120*		*10/27/21 19:59*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*75 - 126*		*10/27/21 19:59*	*1*
Toluene-d8 (Surr)	*97*		*75 - 120*		*10/27/21 19:59*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.2		4.7	2.2	ng/L		10/19/21 05:09	10/20/21 06:02	1
Perfluoropentanoic acid (PFPeA)	<0.46		1.9	0.46	ng/L		10/19/21 05:09	10/20/21 06:02	1
Perfluorohexanoic acid (PFHxA)	<0.54		1.9	0.54	ng/L		10/19/21 05:09	10/20/21 06:02	1
Perfluoroheptanoic acid (PFHpA)	<0.23		1.9	0.23	ng/L		10/19/21 05:09	10/20/21 06:02	1
Perfluorooctanoic acid (PFOA)	**2.3**		1.9	0.79	ng/L		10/19/21 05:09	10/20/21 06:02	1
Perfluorononanoic acid (PFNA)	<0.25		1.9	0.25	ng/L		10/19/21 05:09	10/20/21 06:02	1
Perfluorodecanoic acid (PFDA)	<0.29		1.9	0.29	ng/L		10/19/21 05:09	10/20/21 06:02	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		10/19/21 05:09	10/20/21 06:02	1
Perfluorododecanoic acid (PFDoA)	<0.51		1.9	0.51	ng/L		10/19/21 05:09	10/20/21 06:02	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.9	1.2	ng/L		10/19/21 05:09	10/20/21 06:02	1
Perfluorotetradecanoic acid (PFTeA)	<0.68		1.9	0.68	ng/L		10/19/21 05:09	10/20/21 06:02	1
Perfluorobutanesulfonic acid (PFBS)	**1.0**	**J**	1.9	0.19	ng/L		10/19/21 05:09	10/20/21 06:02	1
Perfluoropentanesulfonic acid (PFPeS)	<0.28		1.9	0.28	ng/L		10/19/21 05:09	10/20/21 06:02	1
Perfluorohexanesulfonic acid (PFHxS)	**4.9**		1.9	0.53	ng/L		10/19/21 05:09	10/20/21 06:02	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.18		1.9	0.18	ng/L		10/19/21 05:09	10/20/21 06:02	1
Perfluorooctanesulfonic acid (PFOS)	**1.5**	**J**	1.9	0.50	ng/L		10/19/21 05:09	10/20/21 06:02	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		10/19/21 05:09	10/20/21 06:02	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		10/19/21 05:09	10/20/21 06:02	1
Perfluorododecanesulfonic acid (PFDoS)	<0.90		1.9	0.90	ng/L		10/19/21 05:09	10/20/21 06:02	1
Perfluorooctanesulfonamide (FOSA)	<0.91		1.9	0.91	ng/L		10/19/21 05:09	10/20/21 06:02	1
NEtFOSA	<0.81		1.9	0.81	ng/L		10/19/21 05:09	10/20/21 06:02	1
NMeFOSA	<0.40		1.9	0.40	ng/L		10/19/21 05:09	10/20/21 06:02	1
NMeFOSAA	<1.1		4.7	1.1	ng/L		10/19/21 05:09	10/20/21 06:02	1
NEtFOSAA	<1.2		4.7	1.2	ng/L		10/19/21 05:09	10/20/21 06:02	1

Client: Ramboll US Corporation
Job ID: 500-206977-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: MW-8
Lab Sample ID: 500-206977-33
Date Collected: 10/14/21 12:50
Matrix: Water
Date Received: 10/16/21 11:30

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
NMeFOSE	<1.3		3.7	1.3	ng/L		10/19/21 05:09	10/20/21 06:02	1
NEtFOSE	<0.79		1.9	0.79	ng/L		10/19/21 05:09	10/20/21 06:02	1
4:2 FTS	<0.22		1.9	0.22	ng/L		10/19/21 05:09	10/20/21 06:02	1
6:2 FTS	<2.3		4.7	2.3	ng/L		10/19/21 05:09	10/20/21 06:02	1
8:2 FTS	<0.43		1.9	0.43	ng/L		10/19/21 05:09	10/20/21 06:02	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.37		1.9	0.37	ng/L		10/19/21 05:09	10/20/21 06:02	1
HFPO-DA (GenX)	<1.4		3.7	1.4	ng/L		10/19/21 05:09	10/20/21 06:02	1
9Cl-PF3ONS	<0.22		1.9	0.22	ng/L		10/19/21 05:09	10/20/21 06:02	1
11Cl-PF3OUdS	<0.30		1.9	0.30	ng/L		10/19/21 05:09	10/20/21 06:02	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*91*		*25 - 150*	*10/19/21 05:09*	*10/20/21 06:02*	*1*
13C5 PFPeA	*105*		*25 - 150*	*10/19/21 05:09*	*10/20/21 06:02*	*1*
13C2 PFHxA	*100*		*25 - 150*	*10/19/21 05:09*	*10/20/21 06:02*	*1*
13C4 PFHpA	*102*		*25 - 150*	*10/19/21 05:09*	*10/20/21 06:02*	*1*
13C4 PFOA	*106*		*25 - 150*	*10/19/21 05:09*	*10/20/21 06:02*	*1*
13C5 PFNA	*108*		*25 - 150*	*10/19/21 05:09*	*10/20/21 06:02*	*1*
13C2 PFDA	*102*		*25 - 150*	*10/19/21 05:09*	*10/20/21 06:02*	*1*
13C2 PFUnA	*101*		*25 - 150*	*10/19/21 05:09*	*10/20/21 06:02*	*1*
13C2 PFDoA	*92*		*25 - 150*	*10/19/21 05:09*	*10/20/21 06:02*	*1*
13C2 PFTeDA	*94*		*25 - 150*	*10/19/21 05:09*	*10/20/21 06:02*	*1*
13C3 PFBS	*97*		*25 - 150*	*10/19/21 05:09*	*10/20/21 06:02*	*1*
18O2 PFHxS	*95*		*25 - 150*	*10/19/21 05:09*	*10/20/21 06:02*	*1*
13C4 PFOS	*99*		*25 - 150*	*10/19/21 05:09*	*10/20/21 06:02*	*1*
13C8 FOSA	*99*		*10 - 150*	*10/19/21 05:09*	*10/20/21 06:02*	*1*
d3-NMeFOSAA	*93*		*25 - 150*	*10/19/21 05:09*	*10/20/21 06:02*	*1*
d5-NEtFOSAA	*92*		*25 - 150*	*10/19/21 05:09*	*10/20/21 06:02*	*1*
d-N-MeFOSA-M	*82*		*10 - 150*	*10/19/21 05:09*	*10/20/21 06:02*	*1*
d-N-EtFOSA-M	*83*		*10 - 150*	*10/19/21 05:09*	*10/20/21 06:02*	*1*
d7-N-MeFOSE-M	*86*		*10 - 150*	*10/19/21 05:09*	*10/20/21 06:02*	*1*
d9-N-EtFOSE-M	*91*		*10 - 150*	*10/19/21 05:09*	*10/20/21 06:02*	*1*
M2-4:2 FTS	*124*		*25 - 150*	*10/19/21 05:09*	*10/20/21 06:02*	*1*
M2-6:2 FTS	*116*		*25 - 150*	*10/19/21 05:09*	*10/20/21 06:02*	*1*
M2-8:2 FTS	*117*		*25 - 150*	*10/19/21 05:09*	*10/20/21 06:02*	*1*
13C3 HFPO-DA	*102*		*25 - 150*	*10/19/21 05:09*	*10/20/21 06:02*	*1*
13C2 10:2 FTS	*111*		*25 - 150*	*10/19/21 05:09*	*10/20/21 06:02*	*1*

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**1.1**		1.0	0.23	ug/L		10/22/21 09:55	10/25/21 17:07	1

Client: Ramboll US Corporation
Job ID: 500-206977-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: PZ-9
Lab Sample ID: 500-206977-34
Date Collected: 10/14/21 14:00
Matrix: Water
Date Received: 10/16/21 11:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			10/27/21 20:57	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/27/21 20:57	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/27/21 20:57	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			10/27/21 20:57	1
Bromoform	<0.48		1.0	0.48	ug/L			10/27/21 20:57	1
Bromomethane	<0.80		3.0	0.80	ug/L			10/27/21 20:57	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			10/27/21 20:57	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/27/21 20:57	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/27/21 20:57	1
Chloroethane	<0.51		1.0	0.51	ug/L			10/27/21 20:57	1
Chloroform	<0.37		2.0	0.37	ug/L			10/27/21 20:57	1
Chloromethane	<0.32		1.0	0.32	ug/L			10/27/21 20:57	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/27/21 20:57	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/27/21 20:57	1
cis-1,2-Dichloroethene	**56**		1.0	0.41	ug/L			10/27/21 20:57	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/27/21 20:57	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			10/27/21 20:57	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			10/27/21 20:57	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			10/27/21 20:57	1
Dibromomethane	<0.27		1.0	0.27	ug/L			10/27/21 20:57	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/27/21 20:57	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/27/21 20:57	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/27/21 20:57	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			10/27/21 20:57	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/27/21 20:57	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			10/27/21 20:57	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			10/27/21 20:57	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			10/27/21 20:57	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/27/21 20:57	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			10/27/21 20:57	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			10/27/21 20:57	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			10/27/21 20:57	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/27/21 20:57	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/27/21 20:57	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			10/27/21 20:57	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			10/27/21 20:57	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			10/27/21 20:57	1
Naphthalene	<0.34		1.0	0.34	ug/L			10/27/21 20:57	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/27/21 20:57	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/27/21 20:57	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/27/21 20:57	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			10/27/21 20:57	1
Styrene	<0.39		1.0	0.39	ug/L			10/27/21 20:57	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/27/21 20:57	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			10/27/21 20:57	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			10/27/21 20:57	1
Tetrachloroethene	**180**		1.0	0.37	ug/L			10/27/21 20:57	1
Toluene	<0.15		0.50	0.15	ug/L			10/27/21 20:57	1
trans-1,2-Dichloroethene	**1.1**		1.0	0.35	ug/L			10/27/21 20:57	1

Client Sample ID: PZ-9
Lab Sample ID: 500-206977-34
Date Collected: 10/14/21 14:00
Matrix: Water
Date Received: 10/16/21 11:30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/27/21 20:57	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			10/27/21 20:57	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/27/21 20:57	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			10/27/21 20:57	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			10/27/21 20:57	1
Trichloroethene	**94**		0.50	0.16	ug/L			10/27/21 20:57	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			10/27/21 20:57	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			10/27/21 20:57	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/27/21 20:57	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/27/21 20:57	1
Vinyl chloride	**0.26**	**J**	1.0	0.20	ug/L			10/27/21 20:57	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			10/27/21 20:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*72 - 124*		*10/27/21 20:57*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 120*		*10/27/21 20:57*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 126*		*10/27/21 20:57*	*1*
Toluene-d8 (Surr)	*95*		*75 - 120*		*10/27/21 20:57*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.2		4.7	2.2	ng/L		10/19/21 05:09	10/20/21 06:32	1
Perfluoropentanoic acid (PFPeA)	<0.46		1.9	0.46	ng/L		10/19/21 05:09	10/20/21 06:32	1
Perfluorohexanoic acid (PFHxA)	<0.54		1.9	0.54	ng/L		10/19/21 05:09	10/20/21 06:32	1
Perfluoroheptanoic acid (PFHpA)	<0.23		1.9	0.23	ng/L		10/19/21 05:09	10/20/21 06:32	1
Perfluorooctanoic acid (PFOA)	<0.79		1.9	0.79	ng/L		10/19/21 05:09	10/20/21 06:32	1
Perfluorononanoic acid (PFNA)	<0.25		1.9	0.25	ng/L		10/19/21 05:09	10/20/21 06:32	1
Perfluorodecanoic acid (PFDA)	<0.29		1.9	0.29	ng/L		10/19/21 05:09	10/20/21 06:32	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		10/19/21 05:09	10/20/21 06:32	1
Perfluorododecanoic acid (PFDoA)	<0.51		1.9	0.51	ng/L		10/19/21 05:09	10/20/21 06:32	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.9	1.2	ng/L		10/19/21 05:09	10/20/21 06:32	1
Perfluorotetradecanoic acid (PFTeA)	<0.68		1.9	0.68	ng/L		10/19/21 05:09	10/20/21 06:32	1
Perfluorobutanesulfonic acid (PFBS)	**0.77**	**J**	1.9	0.19	ng/L		10/19/21 05:09	10/20/21 06:32	1
Perfluoropentanesulfonic acid (PFPeS)	<0.28		1.9	0.28	ng/L		10/19/21 05:09	10/20/21 06:32	1
Perfluorohexanesulfonic acid (PFHxS)	<0.53		1.9	0.53	ng/L		10/19/21 05:09	10/20/21 06:32	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.18		1.9	0.18	ng/L		10/19/21 05:09	10/20/21 06:32	1
Perfluorooctanesulfonic acid (PFOS)	<0.50		1.9	0.50	ng/L		10/19/21 05:09	10/20/21 06:32	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		10/19/21 05:09	10/20/21 06:32	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		10/19/21 05:09	10/20/21 06:32	1
Perfluorododecanesulfonic acid (PFDoS)	<0.90		1.9	0.90	ng/L		10/19/21 05:09	10/20/21 06:32	1
Perfluorooctanesulfonamide (FOSA)	<0.91		1.9	0.91	ng/L		10/19/21 05:09	10/20/21 06:32	1
NEtFOSA	<0.81		1.9	0.81	ng/L		10/19/21 05:09	10/20/21 06:32	1
NMeFOSA	<0.40		1.9	0.40	ng/L		10/19/21 05:09	10/20/21 06:32	1
NMeFOSAA	<1.1		4.7	1.1	ng/L		10/19/21 05:09	10/20/21 06:32	1
NEtFOSAA	<1.2		4.7	1.2	ng/L		10/19/21 05:09	10/20/21 06:32	1
NMeFOSE	<1.3		3.7	1.3	ng/L		10/19/21 05:09	10/20/21 06:32	1
NEtFOSE	<0.79		1.9	0.79	ng/L		10/19/21 05:09	10/20/21 06:32	1

Client: Ramboll US Corporation
Job ID: 500-206977-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: PZ-9
Lab Sample ID: 500-206977-34
Date Collected: 10/14/21 14:00
Matrix: Water
Date Received: 10/16/21 11:30

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4:2 FTS	<0.22		1.9	0.22	ng/L		10/19/21 05:09	10/20/21 06:32	1
6:2 FTS	<2.3		4.7	2.3	ng/L		10/19/21 05:09	10/20/21 06:32	1
8:2 FTS	<0.43		1.9	0.43	ng/L		10/19/21 05:09	10/20/21 06:32	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.37		1.9	0.37	ng/L		10/19/21 05:09	10/20/21 06:32	1
HFPO-DA (GenX)	<1.4		3.7	1.4	ng/L		10/19/21 05:09	10/20/21 06:32	1
9Cl-PF3ONS	<0.22		1.9	0.22	ng/L		10/19/21 05:09	10/20/21 06:32	1
11Cl-PF3OUdS	<0.30		1.9	0.30	ng/L		10/19/21 05:09	10/20/21 06:32	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*96*		*25 - 150*	*10/19/21 05:09*	*10/20/21 06:32*	*1*
13C5 PFPeA	*101*		*25 - 150*	*10/19/21 05:09*	*10/20/21 06:32*	*1*
13C2 PFHxA	*101*		*25 - 150*	*10/19/21 05:09*	*10/20/21 06:32*	*1*
13C4 PFHpA	*101*		*25 - 150*	*10/19/21 05:09*	*10/20/21 06:32*	*1*
13C4 PFOA	*104*		*25 - 150*	*10/19/21 05:09*	*10/20/21 06:32*	*1*
13C5 PFNA	*103*		*25 - 150*	*10/19/21 05:09*	*10/20/21 06:32*	*1*
13C2 PFDA	*105*		*25 - 150*	*10/19/21 05:09*	*10/20/21 06:32*	*1*
13C2 PFUnA	*95*		*25 - 150*	*10/19/21 05:09*	*10/20/21 06:32*	*1*
13C2 PFDoA	*97*		*25 - 150*	*10/19/21 05:09*	*10/20/21 06:32*	*1*
13C2 PFTeDA	*97*		*25 - 150*	*10/19/21 05:09*	*10/20/21 06:32*	*1*
13C3 PFBS	*95*		*25 - 150*	*10/19/21 05:09*	*10/20/21 06:32*	*1*
18O2 PFHxS	*97*		*25 - 150*	*10/19/21 05:09*	*10/20/21 06:32*	*1*
13C4 PFOS	*102*		*25 - 150*	*10/19/21 05:09*	*10/20/21 06:32*	*1*
13C8 FOSA	*100*		*10 - 150*	*10/19/21 05:09*	*10/20/21 06:32*	*1*
d3-NMeFOSAA	*96*		*25 - 150*	*10/19/21 05:09*	*10/20/21 06:32*	*1*
d5-NEtFOSAA	*92*		*25 - 150*	*10/19/21 05:09*	*10/20/21 06:32*	*1*
d-N-MeFOSA-M	*86*		*10 - 150*	*10/19/21 05:09*	*10/20/21 06:32*	*1*
d-N-EtFOSA-M	*85*		*10 - 150*	*10/19/21 05:09*	*10/20/21 06:32*	*1*
d7-N-MeFOSE-M	*90*		*10 - 150*	*10/19/21 05:09*	*10/20/21 06:32*	*1*
d9-N-EtFOSE-M	*94*		*10 - 150*	*10/19/21 05:09*	*10/20/21 06:32*	*1*
M2-4:2 FTS	*123*		*25 - 150*	*10/19/21 05:09*	*10/20/21 06:32*	*1*
M2-6:2 FTS	*110*		*25 - 150*	*10/19/21 05:09*	*10/20/21 06:32*	*1*
M2-8:2 FTS	*111*		*25 - 150*	*10/19/21 05:09*	*10/20/21 06:32*	*1*
13C3 HFPO-DA	*101*		*25 - 150*	*10/19/21 05:09*	*10/20/21 06:32*	*1*
13C2 10:2 FTS	*102*		*25 - 150*	*10/19/21 05:09*	*10/20/21 06:32*	*1*

Client: Ramboll US Corporation
Job ID: 500-206977-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: FB-04
Lab Sample ID: 500-206977-35
Date Collected: 10/14/21 15:00
Matrix: Water
Date Received: 10/16/21 11:30

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.1		4.4	2.1	ng/L		10/19/21 19:05	10/20/21 17:04	1
Perfluoropentanoic acid (PFPeA)	<0.43		1.8	0.43	ng/L		10/19/21 19:05	10/20/21 17:04	1
Perfluorohexanoic acid (PFHxA)	<0.51		1.8	0.51	ng/L		10/19/21 19:05	10/20/21 17:04	1
Perfluoroheptanoic acid (PFHpA)	<0.22		1.8	0.22	ng/L		10/19/21 19:05	10/20/21 17:04	1
Perfluorooctanoic acid (PFOA)	<0.75		1.8	0.75	ng/L		10/19/21 19:05	10/20/21 17:04	1
Perfluorononanoic acid (PFNA)	<0.24		1.8	0.24	ng/L		10/19/21 19:05	10/20/21 17:04	1
Perfluorodecanoic acid (PFDA)	<0.27		1.8	0.27	ng/L		10/19/21 19:05	10/20/21 17:04	1
Perfluoroundecanoic acid (PFUnA)	<0.97		1.8	0.97	ng/L		10/19/21 19:05	10/20/21 17:04	1
Perfluorododecanoic acid (PFDoA)	<0.49		1.8	0.49	ng/L		10/19/21 19:05	10/20/21 17:04	1
Perfluorotridecanoic acid (PFTrDA)	<1.1		1.8	1.1	ng/L		10/19/21 19:05	10/20/21 17:04	1
Perfluorotetradecanoic acid (PFTeA)	<0.64		1.8	0.64	ng/L		10/19/21 19:05	10/20/21 17:04	1
Perfluorobutanesulfonic acid (PFBS)	<0.18		1.8	0.18	ng/L		10/19/21 19:05	10/20/21 17:04	1
Perfluoropentanesulfonic acid (PFPeS)	<0.26		1.8	0.26	ng/L		10/19/21 19:05	10/20/21 17:04	1
Perfluorohexanesulfonic acid (PFHxS)	<0.50		1.8	0.50	ng/L		10/19/21 19:05	10/20/21 17:04	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.17		1.8	0.17	ng/L		10/19/21 19:05	10/20/21 17:04	1
Perfluorooctanesulfonic acid (PFOS)	<0.48		1.8	0.48	ng/L		10/19/21 19:05	10/20/21 17:04	1
Perfluorononanesulfonic acid (PFNS)	<0.33		1.8	0.33	ng/L		10/19/21 19:05	10/20/21 17:04	1
Perfluorodecanesulfonic acid (PFDS)	<0.28		1.8	0.28	ng/L		10/19/21 19:05	10/20/21 17:04	1
Perfluorododecanesulfonic acid (PFDoS)	<0.86		1.8	0.86	ng/L		10/19/21 19:05	10/20/21 17:04	1
Perfluorooctanesulfonamide (FOSA)	<0.86		1.8	0.86	ng/L		10/19/21 19:05	10/20/21 17:04	1
NEtFOSA	<0.77		1.8	0.77	ng/L		10/19/21 19:05	10/20/21 17:04	1
NMeFOSA	<0.38		1.8	0.38	ng/L		10/19/21 19:05	10/20/21 17:04	1
NMeFOSAA	<1.1		4.4	1.1	ng/L		10/19/21 19:05	10/20/21 17:04	1
NEtFOSAA	<1.1		4.4	1.1	ng/L		10/19/21 19:05	10/20/21 17:04	1
NMeFOSE	<1.2		3.5	1.2	ng/L		10/19/21 19:05	10/20/21 17:04	1
NEtFOSE	<0.75		1.8	0.75	ng/L		10/19/21 19:05	10/20/21 17:04	1
4:2 FTS	<0.21		1.8	0.21	ng/L		10/19/21 19:05	10/20/21 17:04	1
6:2 FTS	<2.2		4.4	2.2	ng/L		10/19/21 19:05	10/20/21 17:04	1
8:2 FTS	<0.41		1.8	0.41	ng/L		10/19/21 19:05	10/20/21 17:04	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.35		1.8	0.35	ng/L		10/19/21 19:05	10/20/21 17:04	1
HFPO-DA (GenX)	<1.3		3.5	1.3	ng/L		10/19/21 19:05	10/20/21 17:04	1
9Cl-PF3ONS	<0.21		1.8	0.21	ng/L		10/19/21 19:05	10/20/21 17:04	1
11Cl-PF3OUdS	<0.28		1.8	0.28	ng/L		10/19/21 19:05	10/20/21 17:04	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*92*		*25 - 150*	*10/19/21 19:05*	*10/20/21 17:04*	*1*
13C5 PFPeA	*103*		*25 - 150*	*10/19/21 19:05*	*10/20/21 17:04*	*1*
13C2 PFHxA	*110*		*25 - 150*	*10/19/21 19:05*	*10/20/21 17:04*	*1*
13C4 PFHpA	*106*		*25 - 150*	*10/19/21 19:05*	*10/20/21 17:04*	*1*
13C4 PFOA	*94*		*25 - 150*	*10/19/21 19:05*	*10/20/21 17:04*	*1*
13C5 PFNA	*97*		*25 - 150*	*10/19/21 19:05*	*10/20/21 17:04*	*1*
13C2 PFDA	*98*		*25 - 150*	*10/19/21 19:05*	*10/20/21 17:04*	*1*
13C2 PFUnA	*109*		*25 - 150*	*10/19/21 19:05*	*10/20/21 17:04*	*1*
13C2 PFDoA	*94*		*25 - 150*	*10/19/21 19:05*	*10/20/21 17:04*	*1*
13C2 PFTeDA	*83*		*25 - 150*	*10/19/21 19:05*	*10/20/21 17:04*	*1*
13C3 PFBS	*94*		*25 - 150*	*10/19/21 19:05*	*10/20/21 17:04*	*1*
18O2 PFHxS	*83*		*25 - 150*	*10/19/21 19:05*	*10/20/21 17:04*	*1*

Client: Ramboll US Corporation
Job ID: 500-206977-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: FB-04
Lab Sample ID: 500-206977-35
Date Collected: 10/14/21 15:00
Matrix: Water
Date Received: 10/16/21 11:30

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFOS	89		25 - 150	10/19/21 19:05	10/20/21 17:04	1
13C8 FOSA	84		10 - 150	10/19/21 19:05	10/20/21 17:04	1
d3-NMeFOSAA	88		25 - 150	10/19/21 19:05	10/20/21 17:04	1
d5-NEtFOSAA	94		25 - 150	10/19/21 19:05	10/20/21 17:04	1
d-N-MeFOSA-M	79		10 - 150	10/19/21 19:05	10/20/21 17:04	1
d-N-EtFOSA-M	79		10 - 150	10/19/21 19:05	10/20/21 17:04	1
d7-N-MeFOSE-M	80		10 - 150	10/19/21 19:05	10/20/21 17:04	1
d9-N-EtFOSE-M	71		10 - 150	10/19/21 19:05	10/20/21 17:04	1
M2-4:2 FTS	112		25 - 150	10/19/21 19:05	10/20/21 17:04	1
M2-6:2 FTS	85		25 - 150	10/19/21 19:05	10/20/21 17:04	1
M2-8:2 FTS	93		25 - 150	10/19/21 19:05	10/20/21 17:04	1
13C3 HFPO-DA	122		25 - 150	10/19/21 19:05	10/20/21 17:04	1
13C2 10:2 FTS	101		25 - 150	10/19/21 19:05	10/20/21 17:04	1

Client: Ramboll US Corporation
Project/Site: Former Mirro 20 - Chilton 1690019558

Job ID: 500-206977-1

Client Sample ID: EB-04
Date Collected: 10/14/21 15:00
Date Received: 10/16/21 11:30

Lab Sample ID: 500-206977-36
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			10/27/21 15:22	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/27/21 15:22	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/27/21 15:22	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			10/27/21 15:22	1
Bromoform	<0.48		1.0	0.48	ug/L			10/27/21 15:22	1
Bromomethane	<0.80		3.0	0.80	ug/L			10/27/21 15:22	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			10/27/21 15:22	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/27/21 15:22	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/27/21 15:22	1
Chloroethane	<0.51		1.0	0.51	ug/L			10/27/21 15:22	1
Chloroform	<0.37		2.0	0.37	ug/L			10/27/21 15:22	1
Chloromethane	<0.32		1.0	0.32	ug/L			10/27/21 15:22	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/27/21 15:22	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/27/21 15:22	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			10/27/21 15:22	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/27/21 15:22	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			10/27/21 15:22	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			10/27/21 15:22	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			10/27/21 15:22	1
Dibromomethane	<0.27		1.0	0.27	ug/L			10/27/21 15:22	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/27/21 15:22	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/27/21 15:22	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/27/21 15:22	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			10/27/21 15:22	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/27/21 15:22	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			10/27/21 15:22	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			10/27/21 15:22	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			10/27/21 15:22	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/27/21 15:22	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			10/27/21 15:22	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			10/27/21 15:22	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			10/27/21 15:22	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/27/21 15:22	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/27/21 15:22	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			10/27/21 15:22	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			10/27/21 15:22	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			10/27/21 15:22	1
Naphthalene	**0.40**	**J B**	1.0	0.34	ug/L			10/27/21 15:22	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/27/21 15:22	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/27/21 15:22	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/27/21 15:22	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			10/27/21 15:22	1
Styrene	<0.39		1.0	0.39	ug/L			10/27/21 15:22	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/27/21 15:22	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			10/27/21 15:22	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			10/27/21 15:22	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			10/27/21 15:22	1
Toluene	<0.15		0.50	0.15	ug/L			10/27/21 15:22	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			10/27/21 15:22	1

Client Sample ID: EB-04
Lab Sample ID: 500-206977-36
Date Collected: 10/14/21 15:00
Matrix: Water
Date Received: 10/16/21 11:30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/27/21 15:22	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			10/27/21 15:22	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/27/21 15:22	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			10/27/21 15:22	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			10/27/21 15:22	1
Trichloroethene	<0.16		0.50	0.16	ug/L			10/27/21 15:22	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			10/27/21 15:22	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			10/27/21 15:22	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/27/21 15:22	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/27/21 15:22	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			10/27/21 15:22	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			10/27/21 15:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*72 - 124*		*10/27/21 15:22*	*1*
Dibromofluoromethane (Surr)	*90*		*75 - 120*		*10/27/21 15:22*	*1*
1,2-Dichloroethane-d4 (Surr)	*86*		*75 - 126*		*10/27/21 15:22*	*1*
Toluene-d8 (Surr)	*100*		*75 - 120*		*10/27/21 15:22*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.0		4.2	2.0	ng/L		10/19/21 19:05	10/20/21 17:14	1
Perfluoropentanoic acid (PFPeA)	<0.41		1.7	0.41	ng/L		10/19/21 19:05	10/20/21 17:14	1
Perfluorohexanoic acid (PFHxA)	<0.49		1.7	0.49	ng/L		10/19/21 19:05	10/20/21 17:14	1
Perfluoroheptanoic acid (PFHpA)	<0.21		1.7	0.21	ng/L		10/19/21 19:05	10/20/21 17:14	1
Perfluorooctanoic acid (PFOA)	<0.71		1.7	0.71	ng/L		10/19/21 19:05	10/20/21 17:14	1
Perfluorononanoic acid (PFNA)	<0.23		1.7	0.23	ng/L		10/19/21 19:05	10/20/21 17:14	1
Perfluorodecanoic acid (PFDA)	<0.26		1.7	0.26	ng/L		10/19/21 19:05	10/20/21 17:14	1
Perfluoroundecanoic acid (PFUnA)	<0.92		1.7	0.92	ng/L		10/19/21 19:05	10/20/21 17:14	1
Perfluorododecanoic acid (PFDoA)	<0.46		1.7	0.46	ng/L		10/19/21 19:05	10/20/21 17:14	1
Perfluorotridecanoic acid (PFTrDA)	<1.1		1.7	1.1	ng/L		10/19/21 19:05	10/20/21 17:14	1
Perfluorotetradecanoic acid (PFTeA)	<0.61		1.7	0.61	ng/L		10/19/21 19:05	10/20/21 17:14	1
Perfluorobutanesulfonic acid (PFBS)	<0.17		1.7	0.17	ng/L		10/19/21 19:05	10/20/21 17:14	1
Perfluoropentanesulfonic acid (PFPeS)	<0.25		1.7	0.25	ng/L		10/19/21 19:05	10/20/21 17:14	1
Perfluorohexanesulfonic acid (PFHxS)	<0.48		1.7	0.48	ng/L		10/19/21 19:05	10/20/21 17:14	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.16		1.7	0.16	ng/L		10/19/21 19:05	10/20/21 17:14	1
Perfluorooctanesulfonic acid (PFOS)	<0.45		1.7	0.45	ng/L		10/19/21 19:05	10/20/21 17:14	1
Perfluorononanesulfonic acid (PFNS)	<0.31		1.7	0.31	ng/L		10/19/21 19:05	10/20/21 17:14	1
Perfluorodecanesulfonic acid (PFDS)	<0.27		1.7	0.27	ng/L		10/19/21 19:05	10/20/21 17:14	1
Perfluorododecanesulfonic acid (PFDoS)	<0.81		1.7	0.81	ng/L		10/19/21 19:05	10/20/21 17:14	1
Perfluorooctanesulfonamide (FOSA)	<0.82		1.7	0.82	ng/L		10/19/21 19:05	10/20/21 17:14	1
NEtFOSA	<0.73		1.7	0.73	ng/L		10/19/21 19:05	10/20/21 17:14	1
NMeFOSA	<0.36		1.7	0.36	ng/L		10/19/21 19:05	10/20/21 17:14	1
NMeFOSAA	<1.0		4.2	1.0	ng/L		10/19/21 19:05	10/20/21 17:14	1
NEtFOSAA	<1.1		4.2	1.1	ng/L		10/19/21 19:05	10/20/21 17:14	1
NMeFOSE	<1.2		3.3	1.2	ng/L		10/19/21 19:05	10/20/21 17:14	1
NEtFOSE	<0.71		1.7	0.71	ng/L		10/19/21 19:05	10/20/21 17:14	1
4:2 FTS	<0.20		1.7	0.20	ng/L		10/19/21 19:05	10/20/21 17:14	1

Client: Ramboll US Corporation
Job ID: 500-206977-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: EB-04
Lab Sample ID: 500-206977-36
Date Collected: 10/14/21 15:00
Matrix: Water
Date Received: 10/16/21 11:30

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
6:2 FTS	<2.1		4.2	2.1	ng/L		10/19/21 19:05	10/20/21 17:14	1
8:2 FTS	<0.39		1.7	0.39	ng/L		10/19/21 19:05	10/20/21 17:14	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.33		1.7	0.33	ng/L		10/19/21 19:05	10/20/21 17:14	1
HFPO-DA (GenX)	<1.3		3.3	1.3	ng/L		10/19/21 19:05	10/20/21 17:14	1
9Cl-PF3ONS	<0.20		1.7	0.20	ng/L		10/19/21 19:05	10/20/21 17:14	1
11Cl-PF3OUdS	<0.27		1.7	0.27	ng/L		10/19/21 19:05	10/20/21 17:14	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*97*		*25 - 150*	*10/19/21 19:05*	*10/20/21 17:14*	*1*
13C5 PFPeA	*109*		*25 - 150*	*10/19/21 19:05*	*10/20/21 17:14*	*1*
13C2 PFHxA	*118*		*25 - 150*	*10/19/21 19:05*	*10/20/21 17:14*	*1*
13C4 PFHpA	*115*		*25 - 150*	*10/19/21 19:05*	*10/20/21 17:14*	*1*
13C4 PFOA	*100*		*25 - 150*	*10/19/21 19:05*	*10/20/21 17:14*	*1*
13C5 PFNA	*103*		*25 - 150*	*10/19/21 19:05*	*10/20/21 17:14*	*1*
13C2 PFDA	*111*		*25 - 150*	*10/19/21 19:05*	*10/20/21 17:14*	*1*
13C2 PFUnA	*118*		*25 - 150*	*10/19/21 19:05*	*10/20/21 17:14*	*1*
13C2 PFDoA	*99*		*25 - 150*	*10/19/21 19:05*	*10/20/21 17:14*	*1*
13C2 PFTeDA	*83*		*25 - 150*	*10/19/21 19:05*	*10/20/21 17:14*	*1*
13C3 PFBS	*105*		*25 - 150*	*10/19/21 19:05*	*10/20/21 17:14*	*1*
18O2 PFHxS	*93*		*25 - 150*	*10/19/21 19:05*	*10/20/21 17:14*	*1*
13C4 PFOS	*100*		*25 - 150*	*10/19/21 19:05*	*10/20/21 17:14*	*1*
13C8 FOSA	*91*		*10 - 150*	*10/19/21 19:05*	*10/20/21 17:14*	*1*
d3-NMeFOSAA	*90*		*25 - 150*	*10/19/21 19:05*	*10/20/21 17:14*	*1*
d5-NEtFOSAA	*97*		*25 - 150*	*10/19/21 19:05*	*10/20/21 17:14*	*1*
d-N-MeFOSA-M	*88*		*10 - 150*	*10/19/21 19:05*	*10/20/21 17:14*	*1*
d-N-EtFOSA-M	*89*		*10 - 150*	*10/19/21 19:05*	*10/20/21 17:14*	*1*
d7-N-MeFOSE-M	*81*		*10 - 150*	*10/19/21 19:05*	*10/20/21 17:14*	*1*
d9-N-EtFOSE-M	*74*		*10 - 150*	*10/19/21 19:05*	*10/20/21 17:14*	*1*
M2-4:2 FTS	*125*		*25 - 150*	*10/19/21 19:05*	*10/20/21 17:14*	*1*
M2-6:2 FTS	*101*		*25 - 150*	*10/19/21 19:05*	*10/20/21 17:14*	*1*
M2-8:2 FTS	*110*		*25 - 150*	*10/19/21 19:05*	*10/20/21 17:14*	*1*
13C3 HFPO-DA	*122*		*25 - 150*	*10/19/21 19:05*	*10/20/21 17:14*	*1*
13C2 10:2 FTS	*97*		*25 - 150*	*10/19/21 19:05*	*10/20/21 17:14*	*1*

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.38**	**J**	1.0	0.23	ug/L		10/22/21 09:55	10/25/21 17:28	1

Client: Ramboll US Corporation
Job ID: 500-206977-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: MW-9 DUP
Lab Sample ID: 500-206977-37
Date Collected: 10/14/21 10:00
Matrix: Water
Date Received: 10/16/21 11:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			10/27/21 15:44	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/27/21 15:44	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/27/21 15:44	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			10/27/21 15:44	1
Bromoform	<0.48		1.0	0.48	ug/L			10/27/21 15:44	1
Bromomethane	<0.80		3.0	0.80	ug/L			10/27/21 15:44	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			10/27/21 15:44	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/27/21 15:44	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/27/21 15:44	1
Chloroethane	<0.51		1.0	0.51	ug/L			10/27/21 15:44	1
Chloroform	<0.37		2.0	0.37	ug/L			10/27/21 15:44	1
Chloromethane	<0.32		1.0	0.32	ug/L			10/27/21 15:44	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/27/21 15:44	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/27/21 15:44	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			10/27/21 15:44	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/27/21 15:44	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			10/27/21 15:44	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			10/27/21 15:44	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			10/27/21 15:44	1
Dibromomethane	<0.27		1.0	0.27	ug/L			10/27/21 15:44	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/27/21 15:44	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/27/21 15:44	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/27/21 15:44	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			10/27/21 15:44	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/27/21 15:44	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			10/27/21 15:44	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			10/27/21 15:44	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			10/27/21 15:44	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/27/21 15:44	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			10/27/21 15:44	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			10/27/21 15:44	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			10/27/21 15:44	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/27/21 15:44	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/27/21 15:44	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			10/27/21 15:44	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			10/27/21 15:44	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			10/27/21 15:44	1
Naphthalene	**0.39**	**J B**	1.0	0.34	ug/L			10/27/21 15:44	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/27/21 15:44	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/27/21 15:44	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/27/21 15:44	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			10/27/21 15:44	1
Styrene	<0.39		1.0	0.39	ug/L			10/27/21 15:44	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/27/21 15:44	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			10/27/21 15:44	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			10/27/21 15:44	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			10/27/21 15:44	1
Toluene	<0.15		0.50	0.15	ug/L			10/27/21 15:44	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			10/27/21 15:44	1

Client: Ramboll US Corporation
Job ID: 500-206977-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: MW-9 DUP
Lab Sample ID: 500-206977-37
Date Collected: 10/14/21 10:00
Matrix: Water
Date Received: 10/16/21 11:30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/27/21 15:44	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			10/27/21 15:44	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/27/21 15:44	1
1,1,1-Trichloroethane	**2.2**		1.0	0.38	ug/L			10/27/21 15:44	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			10/27/21 15:44	1
Trichloroethene	<0.16		0.50	0.16	ug/L			10/27/21 15:44	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			10/27/21 15:44	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			10/27/21 15:44	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/27/21 15:44	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/27/21 15:44	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			10/27/21 15:44	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			10/27/21 15:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*72 - 124*		*10/27/21 15:44*	*1*
Dibromofluoromethane (Surr)	*92*		*75 - 120*		*10/27/21 15:44*	*1*
1,2-Dichloroethane-d4 (Surr)	*88*		*75 - 126*		*10/27/21 15:44*	*1*
Toluene-d8 (Surr)	*102*		*75 - 120*		*10/27/21 15:44*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**2.2**	**J**	4.6	2.2	ng/L		10/19/21 05:09	10/20/21 06:43	1
Perfluoropentanoic acid (PFPeA)	**0.55**	**J**	1.8	0.45	ng/L		10/19/21 05:09	10/20/21 06:43	1
Perfluorohexanoic acid (PFHxA)	**1.3**	**J**	1.8	0.53	ng/L		10/19/21 05:09	10/20/21 06:43	1
Perfluoroheptanoic acid (PFHpA)	**0.51**	**J**	1.8	0.23	ng/L		10/19/21 05:09	10/20/21 06:43	1
Perfluorooctanoic acid (PFOA)	**3.8**		1.8	0.78	ng/L		10/19/21 05:09	10/20/21 06:43	1
Perfluorononanoic acid (PFNA)	<0.25		1.8	0.25	ng/L		10/19/21 05:09	10/20/21 06:43	1
Perfluorodecanoic acid (PFDA)	<0.29		1.8	0.29	ng/L		10/19/21 05:09	10/20/21 06:43	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.8	1.0	ng/L		10/19/21 05:09	10/20/21 06:43	1
Perfluorododecanoic acid (PFDoA)	<0.51		1.8	0.51	ng/L		10/19/21 05:09	10/20/21 06:43	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.8	1.2	ng/L		10/19/21 05:09	10/20/21 06:43	1
Perfluorotetradecanoic acid (PFTeA)	<0.67		1.8	0.67	ng/L		10/19/21 05:09	10/20/21 06:43	1
Perfluorobutanesulfonic acid (PFBS)	**0.87**	**J**	1.8	0.18	ng/L		10/19/21 05:09	10/20/21 06:43	1
Perfluoropentanesulfonic acid (PFPeS)	**0.30**	**J**	1.8	0.28	ng/L		10/19/21 05:09	10/20/21 06:43	1
Perfluorohexanesulfonic acid (PFHxS)	**7.8**		1.8	0.52	ng/L		10/19/21 05:09	10/20/21 06:43	1
Perfluoroheptanesulfonic Acid (PFHpS)	**0.21**	**J**	1.8	0.17	ng/L		10/19/21 05:09	10/20/21 06:43	1
Perfluorooctanesulfonic acid (PFOS)	**41**		1.8	0.50	ng/L		10/19/21 05:09	10/20/21 06:43	1
Perfluorononanesulfonic acid (PFNS)	<0.34		1.8	0.34	ng/L		10/19/21 05:09	10/20/21 06:43	1
Perfluorodecanesulfonic acid (PFDS)	<0.29		1.8	0.29	ng/L		10/19/21 05:09	10/20/21 06:43	1
Perfluorododecanesulfonic acid (PFDoS)	<0.89		1.8	0.89	ng/L		10/19/21 05:09	10/20/21 06:43	1
Perfluorooctanesulfonamide (FOSA)	<0.90		1.8	0.90	ng/L		10/19/21 05:09	10/20/21 06:43	1
NEtFOSA	<0.80		1.8	0.80	ng/L		10/19/21 05:09	10/20/21 06:43	1
NMeFOSA	<0.40		1.8	0.40	ng/L		10/19/21 05:09	10/20/21 06:43	1
NMeFOSAA	<1.1		4.6	1.1	ng/L		10/19/21 05:09	10/20/21 06:43	1
NEtFOSAA	<1.2		4.6	1.2	ng/L		10/19/21 05:09	10/20/21 06:43	1

Client: Ramboll US Corporation
Job ID: 500-206977-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: MW-9 DUP
Lab Sample ID: 500-206977-37
Date Collected: 10/14/21 10:00
Matrix: Water
Date Received: 10/16/21 11:30

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
NMeFOSE	<1.3		3.7	1.3	ng/L		10/19/21 05:09	10/20/21 06:43	1
NEtFOSE	<0.78		1.8	0.78	ng/L		10/19/21 05:09	10/20/21 06:43	1
4:2 FTS	<0.22		1.8	0.22	ng/L		10/19/21 05:09	10/20/21 06:43	1
6:2 FTS	<2.3		4.6	2.3	ng/L		10/19/21 05:09	10/20/21 06:43	1
8:2 FTS	<0.42		1.8	0.42	ng/L		10/19/21 05:09	10/20/21 06:43	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.37		1.8	0.37	ng/L		10/19/21 05:09	10/20/21 06:43	1
HFPO-DA (GenX)	<1.4		3.7	1.4	ng/L		10/19/21 05:09	10/20/21 06:43	1
9Cl-PF3ONS	<0.22		1.8	0.22	ng/L		10/19/21 05:09	10/20/21 06:43	1
11Cl-PF3OUdS	<0.29		1.8	0.29	ng/L		10/19/21 05:09	10/20/21 06:43	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*86*		*25 - 150*	*10/19/21 05:09*	*10/20/21 06:43*	*1*
13C5 PFPeA	*96*		*25 - 150*	*10/19/21 05:09*	*10/20/21 06:43*	*1*
13C2 PFHxA	*91*		*25 - 150*	*10/19/21 05:09*	*10/20/21 06:43*	*1*
13C4 PFHpA	*90*		*25 - 150*	*10/19/21 05:09*	*10/20/21 06:43*	*1*
13C4 PFOA	*95*		*25 - 150*	*10/19/21 05:09*	*10/20/21 06:43*	*1*
13C5 PFNA	*92*		*25 - 150*	*10/19/21 05:09*	*10/20/21 06:43*	*1*
13C2 PFDA	*91*		*25 - 150*	*10/19/21 05:09*	*10/20/21 06:43*	*1*
13C2 PFUnA	*88*		*25 - 150*	*10/19/21 05:09*	*10/20/21 06:43*	*1*
13C2 PFDoA	*85*		*25 - 150*	*10/19/21 05:09*	*10/20/21 06:43*	*1*
13C2 PFTeDA	*86*		*25 - 150*	*10/19/21 05:09*	*10/20/21 06:43*	*1*
13C3 PFBS	*92*		*25 - 150*	*10/19/21 05:09*	*10/20/21 06:43*	*1*
18O2 PFHxS	*91*		*25 - 150*	*10/19/21 05:09*	*10/20/21 06:43*	*1*
13C4 PFOS	*89*		*25 - 150*	*10/19/21 05:09*	*10/20/21 06:43*	*1*
13C8 FOSA	*88*		*10 - 150*	*10/19/21 05:09*	*10/20/21 06:43*	*1*
d3-NMeFOSAA	*82*		*25 - 150*	*10/19/21 05:09*	*10/20/21 06:43*	*1*
d5-NEtFOSAA	*91*		*25 - 150*	*10/19/21 05:09*	*10/20/21 06:43*	*1*
d-N-MeFOSA-M	*74*		*10 - 150*	*10/19/21 05:09*	*10/20/21 06:43*	*1*
d-N-EtFOSA-M	*71*		*10 - 150*	*10/19/21 05:09*	*10/20/21 06:43*	*1*
d7-N-MeFOSE-M	*79*		*10 - 150*	*10/19/21 05:09*	*10/20/21 06:43*	*1*
d9-N-EtFOSE-M	*81*		*10 - 150*	*10/19/21 05:09*	*10/20/21 06:43*	*1*
M2-4:2 FTS	*114*		*25 - 150*	*10/19/21 05:09*	*10/20/21 06:43*	*1*
M2-6:2 FTS	*101*		*25 - 150*	*10/19/21 05:09*	*10/20/21 06:43*	*1*
M2-8:2 FTS	*101*		*25 - 150*	*10/19/21 05:09*	*10/20/21 06:43*	*1*
13C3 HFPO-DA	*89*		*25 - 150*	*10/19/21 05:09*	*10/20/21 06:43*	*1*
13C2 10:2 FTS	*97*		*25 - 150*	*10/19/21 05:09*	*10/20/21 06:43*	*1*

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.87**	**J**	1.0	0.23	ug/L		10/22/21 09:55	10/25/21 17:31	1

Definitions/Glossary

Client: Ramboll US Corporation
Job ID: 500-206977-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
E	Result exceeded calibration range.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

LCMS

Qualifier	Qualifier Description
I	Value is EMPC (estimated maximum possible concentration).
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
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.
¤	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

GC/MS VOA

Analysis Batch: 625549

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-206977-3	B-11	Total/NA	Water	8260B	
500-206977-4	MW-11	Total/NA	Water	8260B	
500-206977-5	MW-12	Total/NA	Water	8260B	
500-206977-6	PZ-12	Total/NA	Water	8260B	
500-206977-7	PZ-12 DUP	Total/NA	Water	8260B	
500-206977-9	EB-01	Total/NA	Water	8260B	
500-206977-10	MW-1	Total/NA	Water	8260B	
500-206977-21	B-5A	Total/NA	Water	8260B	
500-206977-22	B-9	Total/NA	Water	8260B	
500-206977-23	B-12	Total/NA	Water	8260B	
500-206977-24	PZ-13	Total/NA	Water	8260B	
500-206977-25	MW-13	Total/NA	Water	8260B	
500-206977-25 - DL	MW-13	Total/NA	Water	8260B	
500-206977-26	PZ-14	Total/NA	Water	8260B	
500-206977-27	MW-14	Total/NA	Water	8260B	
MB 500-625549/7	Method Blank	Total/NA	Water	8260B	
LCS 500-625549/5	Lab Control Sample	Total/NA	Water	8260B	

Analysis Batch: 625605

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-206977-36	EB-04	Total/NA	Water	8260B	
500-206977-37	MW-9 DUP	Total/NA	Water	8260B	
MB 500-625605/6	Method Blank	Total/NA	Water	8260B	
LCS 500-625605/4	Lab Control Sample	Total/NA	Water	8260B	

Analysis Batch: 625612

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-206977-1	B-5	Total/NA	Water	8260B	
500-206977-2	B-6	Total/NA	Water	8260B	
500-206977-11	MW-2	Total/NA	Water	8260B	
500-206977-12	PZ-10	Total/NA	Water	8260B	
500-206977-13	MW-10	Total/NA	Water	8260B	
500-206977-14	PZ-5	Total/NA	Water	8260B	
500-206977-15	PZ-5 DUP	Total/NA	Water	8260B	
500-206977-16	MW-5	Total/NA	Water	8260B	
500-206977-17	OMPZ-4	Total/NA	Water	8260B	
500-206977-19	EB-03	Total/NA	Water	8260B	
500-206977-20	TRIP BLANK	Total/NA	Water	8260B	
500-206977-28	EB-02	Total/NA	Water	8260B	
500-206977-30	MW-9	Total/NA	Water	8260B	
500-206977-31	OMPZ-3	Total/NA	Water	8260B	
500-206977-32	PZ-8	Total/NA	Water	8260B	
500-206977-33	MW-8	Total/NA	Water	8260B	
500-206977-34	PZ-9	Total/NA	Water	8260B	
MB 500-625612/7	Method Blank	Total/NA	Water	8260B	
LCS 500-625612/5	Lab Control Sample	Total/NA	Water	8260B	

Analysis Batch: 625845

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-625845/6	Method Blank	Total/NA	Water	8260B	
LCS 500-625845/4	Lab Control Sample	Total/NA	Water	8260B	

GC/MS VOA (Continued)

Analysis Batch: 625845 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-206977-33 MS	MW-8	Total/NA	Water	8260B	
500-206977-33 MSD	MW-8	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 623952

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-206977-4	MW-11	Total/NA	Water	3510C	
500-206977-5	MW-12	Total/NA	Water	3510C	
500-206977-6	PZ-12	Total/NA	Water	3510C	
500-206977-7	PZ-12 DUP	Total/NA	Water	3510C	
500-206977-9	EB-01	Total/NA	Water	3510C	
500-206977-24	PZ-13	Total/NA	Water	3510C	
500-206977-25	MW-13	Total/NA	Water	3510C	
500-206977-26	PZ-14	Total/NA	Water	3510C	
500-206977-27	MW-14	Total/NA	Water	3510C	
500-206977-28	EB-02	Total/NA	Water	3510C	
MB 500-623952/1-A	Method Blank	Total/NA	Water	3510C	
LCS 500-623952/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 500-623952/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 624520

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-206977-4	MW-11	Total/NA	Water	8270D	623952
500-206977-5	MW-12	Total/NA	Water	8270D	623952
500-206977-6	PZ-12	Total/NA	Water	8270D	623952
500-206977-7	PZ-12 DUP	Total/NA	Water	8270D	623952
500-206977-9	EB-01	Total/NA	Water	8270D	623952
500-206977-24	PZ-13	Total/NA	Water	8270D	623952
500-206977-25	MW-13	Total/NA	Water	8270D	623952
500-206977-26	PZ-14	Total/NA	Water	8270D	623952
500-206977-27	MW-14	Total/NA	Water	8270D	623952
500-206977-28	EB-02	Total/NA	Water	8270D	623952
MB 500-623952/1-A	Method Blank	Total/NA	Water	8270D	623952
LCS 500-623952/2-A	Lab Control Sample	Total/NA	Water	8270D	623952
LCSD 500-623952/3-A	Lab Control Sample Dup	Total/NA	Water	8270D	623952

LCMS

Prep Batch: 535204

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-206977-1	B-5	Total/NA	Water	3535	
500-206977-2	B-6	Total/NA	Water	3535	
500-206977-3	B-11	Total/NA	Water	3535	
500-206977-4	MW-11	Total/NA	Water	3535	
500-206977-5	MW-12	Total/NA	Water	3535	
500-206977-6	PZ-12	Total/NA	Water	3535	
500-206977-7	PZ-12 DUP	Total/NA	Water	3535	
500-206977-10	MW-1	Total/NA	Water	3535	
500-206977-11	MW-2	Total/NA	Water	3535	
500-206977-12	PZ-10	Total/NA	Water	3535	
500-206977-13	MW-10	Total/NA	Water	3535	

LCMS (Continued)

Prep Batch: 535204 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-206977-14	PZ-5	Total/NA	Water	3535	
500-206977-15	PZ-5 DUP	Total/NA	Water	3535	
500-206977-16	MW-5	Total/NA	Water	3535	
500-206977-17	OMPZ-4	Total/NA	Water	3535	
500-206977-21	B-5A	Total/NA	Water	3535	
500-206977-22	B-9	Total/NA	Water	3535	
500-206977-23	B-12	Total/NA	Water	3535	
500-206977-24	PZ-13	Total/NA	Water	3535	
500-206977-25	MW-13	Total/NA	Water	3535	
MB 320-535204/1-A	Method Blank	Total/NA	Water	3535	
LCS 320-535204/2-A	Lab Control Sample	Total/NA	Water	3535	
LCSD 320-535204/3-A	Lab Control Sample Dup	Total/NA	Water	3535	

Prep Batch: 535207

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-206977-8	FB-01	Total/NA	Water	3535	
500-206977-9	EB-01	Total/NA	Water	3535	
500-206977-18	FB-03	Total/NA	Water	3535	
500-206977-19	EB-03	Total/NA	Water	3535	
500-206977-26	PZ-14	Total/NA	Water	3535	
500-206977-27	MW-14	Total/NA	Water	3535	
500-206977-30	MW-9	Total/NA	Water	3535	
500-206977-31	OMPZ-3	Total/NA	Water	3535	
500-206977-32	PZ-8	Total/NA	Water	3535	
500-206977-33	MW-8	Total/NA	Water	3535	
500-206977-34	PZ-9	Total/NA	Water	3535	
500-206977-37	MW-9 DUP	Total/NA	Water	3535	
MB 320-535207/1-A	Method Blank	Total/NA	Water	3535	
LCS 320-535207/2-A	Lab Control Sample	Total/NA	Water	3535	
500-206977-33 MS	MW-8	Total/NA	Water	3535	
500-206977-33 MSD	MW-8	Total/NA	Water	3535	

Analysis Batch: 535532

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-206977-1	B-5	Total/NA	Water	537 (modified)	535204
500-206977-2	B-6	Total/NA	Water	537 (modified)	535204
500-206977-3	B-11	Total/NA	Water	537 (modified)	535204
500-206977-4	MW-11	Total/NA	Water	537 (modified)	535204
500-206977-5	MW-12	Total/NA	Water	537 (modified)	535204
500-206977-6	PZ-12	Total/NA	Water	537 (modified)	535204
500-206977-7	PZ-12 DUP	Total/NA	Water	537 (modified)	535204
500-206977-10	MW-1	Total/NA	Water	537 (modified)	535204
500-206977-11	MW-2	Total/NA	Water	537 (modified)	535204
500-206977-12	PZ-10	Total/NA	Water	537 (modified)	535204
500-206977-13	MW-10	Total/NA	Water	537 (modified)	535204
500-206977-14	PZ-5	Total/NA	Water	537 (modified)	535204
500-206977-15	PZ-5 DUP	Total/NA	Water	537 (modified)	535204
500-206977-16	MW-5	Total/NA	Water	537 (modified)	535204
500-206977-17	OMPZ-4	Total/NA	Water	537 (modified)	535204
500-206977-21	B-5A	Total/NA	Water	537 (modified)	535204
500-206977-22	B-9	Total/NA	Water	537 (modified)	535204

LCMS (Continued)

Analysis Batch: 535532 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-206977-23	B-12	Total/NA	Water	537 (modified)	535204
500-206977-24	PZ-13	Total/NA	Water	537 (modified)	535204
500-206977-25	MW-13	Total/NA	Water	537 (modified)	535204
MB 320-535204/1-A	Method Blank	Total/NA	Water	537 (modified)	535204
LCS 320-535204/2-A	Lab Control Sample	Total/NA	Water	537 (modified)	535204
LCSD 320-535204/3-A	Lab Control Sample Dup	Total/NA	Water	537 (modified)	535204

Analysis Batch: 535535

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-206977-8	FB-01	Total/NA	Water	537 (modified)	535207
500-206977-9	EB-01	Total/NA	Water	537 (modified)	535207
500-206977-18	FB-03	Total/NA	Water	537 (modified)	535207
500-206977-19	EB-03	Total/NA	Water	537 (modified)	535207
500-206977-26	PZ-14	Total/NA	Water	537 (modified)	535207
500-206977-27	MW-14	Total/NA	Water	537 (modified)	535207
500-206977-30	MW-9	Total/NA	Water	537 (modified)	535207
500-206977-31	OMPZ-3	Total/NA	Water	537 (modified)	535207
500-206977-32	PZ-8	Total/NA	Water	537 (modified)	535207
500-206977-33	MW-8	Total/NA	Water	537 (modified)	535207
500-206977-34	PZ-9	Total/NA	Water	537 (modified)	535207
500-206977-37	MW-9 DUP	Total/NA	Water	537 (modified)	535207
MB 320-535207/1-A	Method Blank	Total/NA	Water	537 (modified)	535207
LCS 320-535207/2-A	Lab Control Sample	Total/NA	Water	537 (modified)	535207
500-206977-33 MS	MW-8	Total/NA	Water	537 (modified)	535207
500-206977-33 MSD	MW-8	Total/NA	Water	537 (modified)	535207

Prep Batch: 535545

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-206977-28	EB-02	Total/NA	Water	3535	
500-206977-29	FB-02	Total/NA	Water	3535	
500-206977-35	FB-04	Total/NA	Water	3535	
500-206977-36	EB-04	Total/NA	Water	3535	
MB 320-535545/1-A	Method Blank	Total/NA	Water	3535	
LCS 320-535545/2-A	Lab Control Sample	Total/NA	Water	3535	
LCSD 320-535545/3-A	Lab Control Sample Dup	Total/NA	Water	3535	

Analysis Batch: 535649

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-206977-28	EB-02	Total/NA	Water	537 (modified)	535545
500-206977-29	FB-02	Total/NA	Water	537 (modified)	535545
500-206977-35	FB-04	Total/NA	Water	537 (modified)	535545
500-206977-36	EB-04	Total/NA	Water	537 (modified)	535545
MB 320-535545/1-A	Method Blank	Total/NA	Water	537 (modified)	535545
LCS 320-535545/2-A	Lab Control Sample	Total/NA	Water	537 (modified)	535545
LCSD 320-535545/3-A	Lab Control Sample Dup	Total/NA	Water	537 (modified)	535545

Metals

Prep Batch: 624719

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-206977-1	B-5	Dissolved	Water	3005A	

Metals (Continued)

Prep Batch: 624719 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-206977-2	B-6	Dissolved	Water	3005A	
500-206977-3	B-11	Dissolved	Water	3005A	
500-206977-4	MW-11	Dissolved	Water	3005A	
500-206977-5	MW-12	Dissolved	Water	3005A	
500-206977-6	PZ-12	Dissolved	Water	3005A	
500-206977-7	PZ-12 DUP	Dissolved	Water	3005A	
500-206977-9	EB-01	Dissolved	Water	3005A	
500-206977-10	MW-1	Dissolved	Water	3005A	
500-206977-11	MW-2	Dissolved	Water	3005A	
500-206977-12	PZ-10	Dissolved	Water	3005A	
500-206977-13	MW-10	Dissolved	Water	3005A	
500-206977-14	PZ-5	Dissolved	Water	3005A	
500-206977-15	PZ-5 DUP	Dissolved	Water	3005A	
500-206977-16	MW-5	Dissolved	Water	3005A	
500-206977-17	OMPZ-4	Dissolved	Water	3005A	
500-206977-19	EB-03	Dissolved	Water	3005A	
500-206977-21	B-5A	Dissolved	Water	3005A	
500-206977-22	B-9	Dissolved	Water	3005A	
MB 500-624719/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-624719/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
500-206977-1 MS	B-5	Dissolved	Water	3005A	
500-206977-1 MSD	B-5	Dissolved	Water	3005A	
500-206977-1 DU	B-5	Dissolved	Water	3005A	

Analysis Batch: 624927

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-206977-1	B-5	Dissolved	Water	6020A	624719
500-206977-2	B-6	Dissolved	Water	6020A	624719
500-206977-3	B-11	Dissolved	Water	6020A	624719
500-206977-4	MW-11	Dissolved	Water	6020A	624719
500-206977-5	MW-12	Dissolved	Water	6020A	624719
500-206977-6	PZ-12	Dissolved	Water	6020A	624719
500-206977-7	PZ-12 DUP	Dissolved	Water	6020A	624719
500-206977-9	EB-01	Dissolved	Water	6020A	624719
500-206977-10	MW-1	Dissolved	Water	6020A	624719
500-206977-11	MW-2	Dissolved	Water	6020A	624719
500-206977-12	PZ-10	Dissolved	Water	6020A	624719
500-206977-13	MW-10	Dissolved	Water	6020A	624719
500-206977-14	PZ-5	Dissolved	Water	6020A	624719
500-206977-15	PZ-5 DUP	Dissolved	Water	6020A	624719
500-206977-16	MW-5	Dissolved	Water	6020A	624719
500-206977-17	OMPZ-4	Dissolved	Water	6020A	624719
500-206977-19	EB-03	Dissolved	Water	6020A	624719
500-206977-21	B-5A	Dissolved	Water	6020A	624719
500-206977-22	B-9	Dissolved	Water	6020A	624719
MB 500-624719/1-A	Method Blank	Total Recoverable	Water	6020A	624719
LCS 500-624719/2-A	Lab Control Sample	Total Recoverable	Water	6020A	624719
500-206977-1 MS	B-5	Dissolved	Water	6020A	624719
500-206977-1 MSD	B-5	Dissolved	Water	6020A	624719
500-206977-1 DU	B-5	Dissolved	Water	6020A	624719

Metals

Prep Batch: 624930

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-206977-23	B-12	Dissolved	Water	3005A	
500-206977-24	PZ-13	Dissolved	Water	3005A	
500-206977-25	MW-13	Dissolved	Water	3005A	
500-206977-26	PZ-14	Dissolved	Water	3005A	
500-206977-27	MW-14	Dissolved	Water	3005A	
500-206977-28	EB-02	Dissolved	Water	3005A	
500-206977-30	MW-9	Dissolved	Water	3005A	
500-206977-31	OMPZ-3	Dissolved	Water	3005A	
500-206977-32	PZ-8	Dissolved	Water	3005A	
500-206977-33	MW-8	Dissolved	Water	3005A	
500-206977-36	EB-04	Dissolved	Water	3005A	
500-206977-37	MW-9 DUP	Dissolved	Water	3005A	
MB 500-624930/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-624930/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
500-206977-33 MS	MW-8	Dissolved	Water	3005A	
500-206977-33 MSD	MW-8	Dissolved	Water	3005A	
500-206977-33 DU	MW-8	Dissolved	Water	3005A	

Prep Batch: 624941

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-206977-4	MW-11	Dissolved	Water	7470A	
500-206977-5	MW-12	Dissolved	Water	7470A	
500-206977-6	PZ-12	Dissolved	Water	7470A	
500-206977-7	PZ-12 DUP	Dissolved	Water	7470A	
500-206977-9	EB-01	Dissolved	Water	7470A	
MB 500-624941/12-A	Method Blank	Total/NA	Water	7470A	
LCS 500-624941/13-A	Lab Control Sample	Total/NA	Water	7470A	

Prep Batch: 625237

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-206977-24	PZ-13	Dissolved	Water	7470A	
500-206977-25	MW-13	Dissolved	Water	7470A	
500-206977-26	PZ-14	Dissolved	Water	7470A	
500-206977-27	MW-14	Dissolved	Water	7470A	
500-206977-28	EB-02	Dissolved	Water	7470A	
MB 500-625237/12-A	Method Blank	Total/NA	Water	7470A	
LCS 500-625237/13-A	Lab Control Sample	Total/NA	Water	7470A	
500-206977-28 MS	EB-02	Dissolved	Water	7470A	
500-206977-28 MSD	EB-02	Dissolved	Water	7470A	
500-206977-28 DU	EB-02	Dissolved	Water	7470A	

Analysis Batch: 625242

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-206977-4	MW-11	Dissolved	Water	7470A	624941
500-206977-5	MW-12	Dissolved	Water	7470A	624941
500-206977-6	PZ-12	Dissolved	Water	7470A	624941
500-206977-7	PZ-12 DUP	Dissolved	Water	7470A	624941
500-206977-9	EB-01	Dissolved	Water	7470A	624941
MB 500-624941/12-A	Method Blank	Total/NA	Water	7470A	624941
LCS 500-624941/13-A	Lab Control Sample	Total/NA	Water	7470A	624941

QC Association Summary

Client: Ramboll US Corporation
Job ID: 500-206977-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Metals

Analysis Batch: 625440

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-206977-23	B-12	Dissolved	Water	6020A	624930
500-206977-24	PZ-13	Dissolved	Water	6020A	624930
500-206977-25	MW-13	Dissolved	Water	6020A	624930
500-206977-26	PZ-14	Dissolved	Water	6020A	624930
500-206977-27	MW-14	Dissolved	Water	6020A	624930
500-206977-28	EB-02	Dissolved	Water	6020A	624930
500-206977-30	MW-9	Dissolved	Water	6020A	624930
500-206977-31	OMPZ-3	Dissolved	Water	6020A	624930
500-206977-32	PZ-8	Dissolved	Water	6020A	624930
500-206977-33	MW-8	Dissolved	Water	6020A	624930
500-206977-36	EB-04	Dissolved	Water	6020A	624930
500-206977-37	MW-9 DUP	Dissolved	Water	6020A	624930
MB 500-624930/1-A	Method Blank	Total Recoverable	Water	6020A	624930
LCS 500-624930/2-A	Lab Control Sample	Total Recoverable	Water	6020A	624930
500-206977-33 MS	MW-8	Dissolved	Water	6020A	624930
500-206977-33 MSD	MW-8	Dissolved	Water	6020A	624930
500-206977-33 DU	MW-8	Dissolved	Water	6020A	624930

Analysis Batch: 625457

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-206977-24	PZ-13	Dissolved	Water	7470A	625237
500-206977-25	MW-13	Dissolved	Water	7470A	625237
500-206977-26	PZ-14	Dissolved	Water	7470A	625237
500-206977-27	MW-14	Dissolved	Water	7470A	625237
500-206977-28	EB-02	Dissolved	Water	7470A	625237
MB 500-625237/12-A	Method Blank	Total/NA	Water	7470A	625237
LCS 500-625237/13-A	Lab Control Sample	Total/NA	Water	7470A	625237
500-206977-28 MS	EB-02	Dissolved	Water	7470A	625237
500-206977-28 MSD	EB-02	Dissolved	Water	7470A	625237
500-206977-28 DU	EB-02	Dissolved	Water	7470A	625237

Surrogate Summary

Client: Ramboll US Corporation
Project/Site: Former Mirro 20 - Chilton 1690019558

Job ID: 500-206977-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	DCA	TOL
Lab Sample ID	Client Sample ID	(72-124)	(75-120)	(75-126)	(75-120)
500-206977-1	B-5	103	100	93	96
500-206977-2	B-6	104	99	94	98
500-206977-3	B-11	94	98	93	99
500-206977-4	MW-11	91	99	93	98
500-206977-5	MW-12	92	98	94	98
500-206977-6	PZ-12	91	98	93	98
500-206977-7	PZ-12 DUP	95	97	93	99
500-206977-9	EB-01	91	98	96	96
500-206977-10	MW-1	93	98	92	97
500-206977-11	MW-2	105	101	94	97
500-206977-12	PZ-10	106	101	93	98
500-206977-13	MW-10	106	100	94	98
500-206977-14	PZ-5	105	101	95	97
500-206977-15	PZ-5 DUP	106	101	94	97
500-206977-16	MW-5	108	102	95	96
500-206977-17	OMPZ-4	105	101	94	97
500-206977-19	EB-03	105	103	94	97
500-206977-20	TRIP BLANK	103	102	95	98
500-206977-21	B-5A	91	100	91	99
500-206977-22	B-9	91	100	93	99
500-206977-23	B-12	90	98	93	98
500-206977-24	PZ-13	92	99	92	99
500-206977-25	MW-13	91	98	94	98
500-206977-25 - DL	MW-13	92	99	92	97
500-206977-26	PZ-14	92	98	93	99
500-206977-27	MW-14	92	98	93	98
500-206977-28	EB-02	110	102	97	96
500-206977-30	MW-9	108	104	97	97
500-206977-31	OMPZ-3	106	101	95	99
500-206977-32	PZ-8	106	101	94	97
500-206977-33	MW-8	107	100	94	97
500-206977-33 MS	MW-8	86	96	106	104
500-206977-33 MSD	MW-8	86	96	105	105
500-206977-34	PZ-9	108	101	96	95
500-206977-36	EB-04	89	90	86	100
500-206977-37	MW-9 DUP	88	92	88	102
LCS 500-625549/5	Lab Control Sample	94	96	91	98
LCS 500-625605/4	Lab Control Sample	91	94	86	101
LCS 500-625612/5	Lab Control Sample	89	100	90	93
LCS 500-625845/4	Lab Control Sample	86	96	108	104
MB 500-625549/7	Method Blank	89	91	81	102
MB 500-625605/6	Method Blank	91	91	89	100
MB 500-625612/7	Method Blank	107	101	94	96
MB 500-625845/6	Method Blank	88	93	109	99

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

Surrogate Summary

Client: Ramboll US Corporation
Project/Site: Former Mirro 20 - Chilton 1690019558

Job ID: 500-206977-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)								
		NBZ	TPHL	FBP						
Lab Sample ID	Client Sample ID	(36-120)	(40-145)	(34-110)						
500-206977-4	MW-11	70	90	68						
500-206977-5	MW-12	71	92	74						
500-206977-6	PZ-12	75	97	70						
500-206977-7	PZ-12 DUP	72	93	70						
500-206977-9	EB-01	75	92	69						
500-206977-24	PZ-13	74	104	70						
500-206977-25	MW-13	65	98	62						
500-206977-26	PZ-14	55	96	54						
500-206977-27	MW-14	77	104	76						
500-206977-28	EB-02	70	99	65						
LCS 500-623952/2-A	Lab Control Sample	86	99	91						
LCSD 500-623952/3-A	Lab Control Sample Dup	83	91	93						
MB 500-623952/1-A	Method Blank	85	97	84						

Surrogate Legend

NBZ = Nitrobenzene-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)
FBP = 2-Fluorobiphenyl (Surr)

Client: Ramboll US Corporation
Job ID: 500-206977-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 500-625549/7
Matrix: Water
Analysis Batch: 625549

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			10/27/21 03:05	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/27/21 03:05	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/27/21 03:05	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			10/27/21 03:05	1
Bromoform	<0.48		1.0	0.48	ug/L			10/27/21 03:05	1
Bromomethane	<0.80		3.0	0.80	ug/L			10/27/21 03:05	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			10/27/21 03:05	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/27/21 03:05	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/27/21 03:05	1
Chloroethane	<0.51		1.0	0.51	ug/L			10/27/21 03:05	1
Chloroform	<0.37		2.0	0.37	ug/L			10/27/21 03:05	1
Chloromethane	<0.32		1.0	0.32	ug/L			10/27/21 03:05	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/27/21 03:05	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/27/21 03:05	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			10/27/21 03:05	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/27/21 03:05	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			10/27/21 03:05	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			10/27/21 03:05	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			10/27/21 03:05	1
Dibromomethane	<0.27		1.0	0.27	ug/L			10/27/21 03:05	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/27/21 03:05	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/27/21 03:05	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/27/21 03:05	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			10/27/21 03:05	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/27/21 03:05	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			10/27/21 03:05	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			10/27/21 03:05	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			10/27/21 03:05	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/27/21 03:05	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			10/27/21 03:05	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			10/27/21 03:05	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			10/27/21 03:05	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/27/21 03:05	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/27/21 03:05	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			10/27/21 03:05	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			10/27/21 03:05	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			10/27/21 03:05	1
Naphthalene	0.782	J	1.0	0.34	ug/L			10/27/21 03:05	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/27/21 03:05	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/27/21 03:05	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/27/21 03:05	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			10/27/21 03:05	1
Styrene	<0.39		1.0	0.39	ug/L			10/27/21 03:05	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/27/21 03:05	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			10/27/21 03:05	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			10/27/21 03:05	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			10/27/21 03:05	1
Toluene	<0.15		0.50	0.15	ug/L			10/27/21 03:05	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-625549/7
Matrix: Water
Analysis Batch: 625549

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			10/27/21 03:05	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/27/21 03:05	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			10/27/21 03:05	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/27/21 03:05	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			10/27/21 03:05	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			10/27/21 03:05	1
Trichloroethene	<0.16		0.50	0.16	ug/L			10/27/21 03:05	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			10/27/21 03:05	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			10/27/21 03:05	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/27/21 03:05	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/27/21 03:05	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			10/27/21 03:05	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			10/27/21 03:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*72 - 124*		*10/27/21 03:05*	*1*
Dibromofluoromethane (Surr)	*91*		*75 - 120*		*10/27/21 03:05*	*1*
1,2-Dichloroethane-d4 (Surr)	*81*		*75 - 126*		*10/27/21 03:05*	*1*
Toluene-d8 (Surr)	*102*		*75 - 120*		*10/27/21 03:05*	*1*

Lab Sample ID: LCS 500-625549/5
Matrix: Water
Analysis Batch: 625549

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	50.0	51.4		ug/L		103	70 - 120
Bromobenzene	50.0	56.5		ug/L		113	70 - 122
Bromochloromethane	50.0	57.8		ug/L		116	65 - 122
Bromodichloromethane	50.0	50.6		ug/L		101	69 - 120
Bromoform	50.0	48.7		ug/L		97	56 - 132
Bromomethane	50.0	65.2		ug/L		130	40 - 152
2-Butanone (MEK)	50.0	41.8		ug/L		84	46 - 144
Carbon tetrachloride	50.0	47.7		ug/L		95	59 - 133
Chlorobenzene	50.0	54.7		ug/L		109	70 - 120
Chloroethane	50.0	54.2		ug/L		108	48 - 136
Chloroform	50.0	52.6		ug/L		105	70 - 120
Chloromethane	50.0	49.0		ug/L		98	56 - 152
2-Chlorotoluene	50.0	53.2		ug/L		106	70 - 125
4-Chlorotoluene	50.0	53.2		ug/L		106	68 - 124
cis-1,2-Dichloroethene	50.0	57.0		ug/L		114	70 - 125
cis-1,3-Dichloropropene	50.0	48.2		ug/L		96	64 - 127
Dibromochloromethane	50.0	49.6		ug/L		99	68 - 125
1,2-Dibromo-3-Chloropropane	50.0	45.8		ug/L		92	56 - 123
1,2-Dibromoethane	50.0	56.5		ug/L		113	70 - 125
Dibromomethane	50.0	54.1		ug/L		108	70 - 120
1,2-Dichlorobenzene	50.0	55.5		ug/L		111	70 - 125
1,3-Dichlorobenzene	50.0	55.9		ug/L		112	70 - 125
1,4-Dichlorobenzene	50.0	55.0		ug/L		110	70 - 120

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-625549/5
Matrix: Water
Analysis Batch: 625549

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorodifluoromethane	50.0	51.1		ug/L		102	40 - 159
1,1-Dichloroethane	50.0	54.7		ug/L		109	70 - 125
1,2-Dichloroethane	50.0	52.8		ug/L		106	68 - 127
1,1-Dichloroethene	50.0	56.7		ug/L		113	67 - 122
1,2-Dichloropropane	50.0	54.9		ug/L		110	67 - 130
1,3-Dichloropropane	50.0	52.5		ug/L		105	62 - 136
2,2-Dichloropropane	50.0	44.9		ug/L		90	58 - 139
1,1-Dichloropropene	50.0	53.1		ug/L		106	70 - 121
Ethylbenzene	50.0	53.8		ug/L		108	70 - 123
Hexachlorobutadiene	50.0	55.5		ug/L		111	51 - 150
Isopropylbenzene	50.0	53.4		ug/L		107	70 - 126
Methylene Chloride	50.0	53.7		ug/L		107	69 - 125
Methyl tert-butyl ether	50.0	53.3		ug/L		107	55 - 123
Naphthalene	50.0	53.3		ug/L		107	53 - 144
n-Butylbenzene	50.0	53.3		ug/L		107	68 - 125
N-Propylbenzene	50.0	53.4		ug/L		107	69 - 127
p-Isopropyltoluene	50.0	53.0		ug/L		106	70 - 125
sec-Butylbenzene	50.0	53.6		ug/L		107	70 - 123
Styrene	50.0	54.1		ug/L		108	70 - 120
tert-Butylbenzene	50.0	52.4		ug/L		105	70 - 121
1,1,1,2-Tetrachloroethane	50.0	48.0		ug/L		96	70 - 125
1,1,2,2-Tetrachloroethane	50.0	51.9		ug/L		104	62 - 140
Tetrachloroethene	50.0	56.2		ug/L		112	70 - 128
Toluene	50.0	51.6		ug/L		103	70 - 125
trans-1,2-Dichloroethene	50.0	56.9		ug/L		114	70 - 125
trans-1,3-Dichloropropene	50.0	45.7		ug/L		91	62 - 128
1,2,3-Trichlorobenzene	50.0	53.5		ug/L		107	51 - 145
1,2,4-Trichlorobenzene	50.0	52.7		ug/L		105	57 - 137
1,1,1-Trichloroethane	50.0	51.6		ug/L		103	70 - 125
1,1,2-Trichloroethane	50.0	54.1		ug/L		108	71 - 130
Trichloroethene	50.0	52.7		ug/L		105	70 - 125
Trichlorofluoromethane	50.0	52.4		ug/L		105	55 - 128
1,2,3-Trichloropropane	50.0	54.2		ug/L		108	50 - 133
1,2,4-Trimethylbenzene	50.0	53.1		ug/L		106	70 - 123
1,3,5-Trimethylbenzene	50.0	52.8		ug/L		106	70 - 123
Vinyl chloride	50.0	53.1		ug/L		106	64 - 126
Xylenes, Total	100	104		ug/L		104	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*72 - 124*
Dibromofluoromethane (Surr)	*96*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*91*		*75 - 126*
Toluene-d8 (Surr)	*98*		*75 - 120*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-625605/6
Matrix: Water
Analysis Batch: 625605

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			10/27/21 11:20	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/27/21 11:20	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/27/21 11:20	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			10/27/21 11:20	1
Bromoform	<0.48		1.0	0.48	ug/L			10/27/21 11:20	1
Bromomethane	<0.80		3.0	0.80	ug/L			10/27/21 11:20	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			10/27/21 11:20	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/27/21 11:20	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/27/21 11:20	1
Chloroethane	<0.51		1.0	0.51	ug/L			10/27/21 11:20	1
Chloroform	<0.37		2.0	0.37	ug/L			10/27/21 11:20	1
Chloromethane	<0.32		1.0	0.32	ug/L			10/27/21 11:20	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/27/21 11:20	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/27/21 11:20	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			10/27/21 11:20	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/27/21 11:20	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			10/27/21 11:20	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			10/27/21 11:20	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			10/27/21 11:20	1
Dibromomethane	<0.27		1.0	0.27	ug/L			10/27/21 11:20	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/27/21 11:20	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/27/21 11:20	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/27/21 11:20	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			10/27/21 11:20	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/27/21 11:20	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			10/27/21 11:20	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			10/27/21 11:20	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			10/27/21 11:20	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/27/21 11:20	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			10/27/21 11:20	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			10/27/21 11:20	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			10/27/21 11:20	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/27/21 11:20	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/27/21 11:20	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			10/27/21 11:20	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			10/27/21 11:20	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			10/27/21 11:20	1
Naphthalene	0.691	J	1.0	0.34	ug/L			10/27/21 11:20	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/27/21 11:20	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/27/21 11:20	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/27/21 11:20	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			10/27/21 11:20	1
Styrene	<0.39		1.0	0.39	ug/L			10/27/21 11:20	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/27/21 11:20	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			10/27/21 11:20	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			10/27/21 11:20	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			10/27/21 11:20	1
Toluene	<0.15		0.50	0.15	ug/L			10/27/21 11:20	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-625605/6
Matrix: Water
Analysis Batch: 625605

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			10/27/21 11:20	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/27/21 11:20	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			10/27/21 11:20	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/27/21 11:20	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			10/27/21 11:20	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			10/27/21 11:20	1
Trichloroethene	<0.16		0.50	0.16	ug/L			10/27/21 11:20	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			10/27/21 11:20	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			10/27/21 11:20	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/27/21 11:20	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/27/21 11:20	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			10/27/21 11:20	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			10/27/21 11:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*72 - 124*		*10/27/21 11:20*	*1*
Dibromofluoromethane (Surr)	*91*		*75 - 120*		*10/27/21 11:20*	*1*
1,2-Dichloroethane-d4 (Surr)	*89*		*75 - 126*		*10/27/21 11:20*	*1*
Toluene-d8 (Surr)	*100*		*75 - 120*		*10/27/21 11:20*	*1*

Lab Sample ID: LCS 500-625605/4
Matrix: Water
Analysis Batch: 625605

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	50.0	44.8		ug/L		90	70 - 120
Bromobenzene	50.0	47.1		ug/L		94	70 - 122
Bromochloromethane	50.0	48.7		ug/L		97	65 - 122
Bromodichloromethane	50.0	43.0		ug/L		86	69 - 120
Bromoform	50.0	41.4		ug/L		83	56 - 132
Bromomethane	50.0	62.5		ug/L		125	40 - 152
2-Butanone (MEK)	50.0	41.0		ug/L		82	46 - 144
Carbon tetrachloride	50.0	46.6		ug/L		93	59 - 133
Chlorobenzene	50.0	47.9		ug/L		96	70 - 120
Chloroethane	50.0	53.5		ug/L		107	48 - 136
Chloroform	50.0	45.8		ug/L		92	70 - 120
Chloromethane	50.0	45.5		ug/L		91	56 - 152
2-Chlorotoluene	50.0	46.1		ug/L		92	70 - 125
4-Chlorotoluene	50.0	45.7		ug/L		91	68 - 124
cis-1,2-Dichloroethene	50.0	48.6		ug/L		97	70 - 125
cis-1,3-Dichloropropene	50.0	41.5		ug/L		83	64 - 127
Dibromochloromethane	50.0	43.1		ug/L		86	68 - 125
1,2-Dibromo-3-Chloropropane	50.0	33.2		ug/L		66	56 - 123
1,2-Dibromoethane	50.0	46.0		ug/L		92	70 - 125
Dibromomethane	50.0	43.6		ug/L		87	70 - 120
1,2-Dichlorobenzene	50.0	46.9		ug/L		94	70 - 125
1,3-Dichlorobenzene	50.0	47.5		ug/L		95	70 - 125
1,4-Dichlorobenzene	50.0	47.2		ug/L		94	70 - 120

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-625605/4
Matrix: Water
Analysis Batch: 625605

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorodifluoromethane	50.0	48.0		ug/L		96	40 - 159
1,1-Dichloroethane	50.0	48.1		ug/L		96	70 - 125
1,2-Dichloroethane	50.0	42.2		ug/L		84	68 - 127
1,1-Dichloroethene	50.0	52.0		ug/L		104	67 - 122
1,2-Dichloropropane	50.0	45.1		ug/L		90	67 - 130
1,3-Dichloropropane	50.0	43.3		ug/L		87	62 - 136
2,2-Dichloropropane	50.0	41.0		ug/L		82	58 - 139
1,1-Dichloropropene	50.0	47.9		ug/L		96	70 - 121
Ethylbenzene	50.0	48.2		ug/L		96	70 - 123
Hexachlorobutadiene	50.0	48.2		ug/L		96	51 - 150
Isopropylbenzene	50.0	47.7		ug/L		95	70 - 126
Methylene Chloride	50.0	45.2		ug/L		90	69 - 125
Methyl tert-butyl ether	50.0	43.1		ug/L		86	55 - 123
Naphthalene	50.0	40.5		ug/L		81	53 - 144
n-Butylbenzene	50.0	47.8		ug/L		96	68 - 125
N-Propylbenzene	50.0	46.9		ug/L		94	69 - 127
p-Isopropyltoluene	50.0	46.8		ug/L		94	70 - 125
sec-Butylbenzene	50.0	47.5		ug/L		95	70 - 123
Styrene	50.0	47.4		ug/L		95	70 - 120
tert-Butylbenzene	50.0	46.4		ug/L		93	70 - 121
1,1,1,2-Tetrachloroethane	50.0	43.7		ug/L		87	70 - 125
1,1,2,2-Tetrachloroethane	50.0	40.5		ug/L		81	62 - 140
Tetrachloroethene	50.0	53.0		ug/L		106	70 - 128
Toluene	50.0	46.5		ug/L		93	70 - 125
trans-1,2-Dichloroethene	50.0	50.8		ug/L		102	70 - 125
trans-1,3-Dichloropropene	50.0	39.0		ug/L		78	62 - 128
1,2,3-Trichlorobenzene	50.0	44.6		ug/L		89	51 - 145
1,2,4-Trichlorobenzene	50.0	45.8		ug/L		92	57 - 137
1,1,1-Trichloroethane	50.0	48.0		ug/L		96	70 - 125
1,1,2-Trichloroethane	50.0	44.7		ug/L		89	71 - 130
Trichloroethene	50.0	46.8		ug/L		94	70 - 125
Trichlorofluoromethane	50.0	52.9		ug/L		106	55 - 128
1,2,3-Trichloropropane	50.0	41.3		ug/L		83	50 - 133
1,2,4-Trimethylbenzene	50.0	45.8		ug/L		92	70 - 123
1,3,5-Trimethylbenzene	50.0	46.6		ug/L		93	70 - 123
Vinyl chloride	50.0	51.4		ug/L		103	64 - 126
Xylenes, Total	100	94.2		ug/L		94	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*91*		*72 - 124*
Dibromofluoromethane (Surr)	*94*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*86*		*75 - 126*
Toluene-d8 (Surr)	*101*		*75 - 120*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-625612/7
Matrix: Water
Analysis Batch: 625612

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			10/27/21 11:49	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/27/21 11:49	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/27/21 11:49	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			10/27/21 11:49	1
Bromoform	<0.48		1.0	0.48	ug/L			10/27/21 11:49	1
Bromomethane	<0.80		3.0	0.80	ug/L			10/27/21 11:49	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			10/27/21 11:49	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/27/21 11:49	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/27/21 11:49	1
Chloroethane	<0.51		1.0	0.51	ug/L			10/27/21 11:49	1
Chloroform	<0.37		2.0	0.37	ug/L			10/27/21 11:49	1
Chloromethane	<0.32		1.0	0.32	ug/L			10/27/21 11:49	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/27/21 11:49	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/27/21 11:49	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			10/27/21 11:49	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/27/21 11:49	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			10/27/21 11:49	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			10/27/21 11:49	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			10/27/21 11:49	1
Dibromomethane	<0.27		1.0	0.27	ug/L			10/27/21 11:49	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/27/21 11:49	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/27/21 11:49	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/27/21 11:49	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			10/27/21 11:49	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/27/21 11:49	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			10/27/21 11:49	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			10/27/21 11:49	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			10/27/21 11:49	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/27/21 11:49	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			10/27/21 11:49	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			10/27/21 11:49	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			10/27/21 11:49	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/27/21 11:49	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/27/21 11:49	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			10/27/21 11:49	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			10/27/21 11:49	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			10/27/21 11:49	1
Naphthalene	<0.34		1.0	0.34	ug/L			10/27/21 11:49	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/27/21 11:49	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/27/21 11:49	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/27/21 11:49	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			10/27/21 11:49	1
Styrene	<0.39		1.0	0.39	ug/L			10/27/21 11:49	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/27/21 11:49	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			10/27/21 11:49	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			10/27/21 11:49	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			10/27/21 11:49	1
Toluene	<0.15		0.50	0.15	ug/L			10/27/21 11:49	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-625612/7
Matrix: Water
Analysis Batch: 625612

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			10/27/21 11:49	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/27/21 11:49	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			10/27/21 11:49	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/27/21 11:49	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			10/27/21 11:49	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			10/27/21 11:49	1
Trichloroethene	<0.16		0.50	0.16	ug/L			10/27/21 11:49	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			10/27/21 11:49	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			10/27/21 11:49	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/27/21 11:49	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/27/21 11:49	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			10/27/21 11:49	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			10/27/21 11:49	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*72 - 124*		*10/27/21 11:49*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 120*		*10/27/21 11:49*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*75 - 126*		*10/27/21 11:49*	*1*
Toluene-d8 (Surr)	*96*		*75 - 120*		*10/27/21 11:49*	*1*

Lab Sample ID: LCS 500-625612/5
Matrix: Water
Analysis Batch: 625612

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	50.0	45.1		ug/L		90	70 - 120
Bromobenzene	50.0	49.6		ug/L		99	70 - 122
Bromochloromethane	50.0	55.7		ug/L		111	65 - 122
Bromodichloromethane	50.0	48.9		ug/L		98	69 - 120
Bromoform	50.0	55.3		ug/L		111	56 - 132
Bromomethane	50.0	37.1		ug/L		74	40 - 152
2-Butanone (MEK)	50.0	45.9		ug/L		92	46 - 144
Carbon tetrachloride	50.0	55.7		ug/L		111	59 - 133
Chlorobenzene	50.0	52.5		ug/L		105	70 - 120
Chloroethane	50.0	46.4		ug/L		93	48 - 136
Chloroform	50.0	47.6		ug/L		95	70 - 120
Chloromethane	50.0	39.7		ug/L		79	56 - 152
2-Chlorotoluene	50.0	44.3		ug/L		89	70 - 125
4-Chlorotoluene	50.0	43.3		ug/L		87	68 - 124
cis-1,2-Dichloroethene	50.0	50.4		ug/L		101	70 - 125
cis-1,3-Dichloropropene	50.0	42.8		ug/L		86	64 - 127
Dibromochloromethane	50.0	56.3		ug/L		113	68 - 125
1,2-Dibromo-3-Chloropropane	50.0	40.5		ug/L		81	56 - 123
1,2-Dibromoethane	50.0	50.8		ug/L		102	70 - 125
Dibromomethane	50.0	51.2		ug/L		102	70 - 120
1,2-Dichlorobenzene	50.0	53.4		ug/L		107	70 - 125
1,3-Dichlorobenzene	50.0	51.8		ug/L		104	70 - 125
1,4-Dichlorobenzene	50.0	52.9		ug/L		106	70 - 120

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-625612/5
Matrix: Water
Analysis Batch: 625612

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorodifluoromethane	50.0	47.5		ug/L		95	40 - 159
1,1-Dichloroethane	50.0	44.2		ug/L		88	70 - 125
1,2-Dichloroethane	50.0	45.0		ug/L		90	68 - 127
1,1-Dichloroethene	50.0	49.8		ug/L		100	67 - 122
1,2-Dichloropropane	50.0	43.9		ug/L		88	67 - 130
1,3-Dichloropropane	50.0	46.7		ug/L		93	62 - 136
2,2-Dichloropropane	50.0	43.2		ug/L		86	58 - 139
1,1-Dichloropropene	50.0	45.2		ug/L		90	70 - 121
Ethylbenzene	50.0	50.6		ug/L		101	70 - 123
Hexachlorobutadiene	50.0	41.6		ug/L		83	51 - 150
Isopropylbenzene	50.0	47.5		ug/L		95	70 - 126
Methylene Chloride	50.0	49.3		ug/L		99	69 - 125
Methyl tert-butyl ether	50.0	44.9		ug/L		90	55 - 123
Naphthalene	50.0	53.4		ug/L		107	53 - 144
n-Butylbenzene	50.0	50.8		ug/L		102	68 - 125
N-Propylbenzene	50.0	44.0		ug/L		88	69 - 127
p-Isopropyltoluene	50.0	52.6		ug/L		105	70 - 125
sec-Butylbenzene	50.0	49.1		ug/L		98	70 - 123
Styrene	50.0	54.1		ug/L		108	70 - 120
tert-Butylbenzene	50.0	50.5		ug/L		101	70 - 121
1,1,1,2-Tetrachloroethane	50.0	55.7		ug/L		111	70 - 125
1,1,2,2-Tetrachloroethane	50.0	50.4		ug/L		101	62 - 140
Tetrachloroethene	50.0	52.4		ug/L		105	70 - 128
Toluene	50.0	48.7		ug/L		97	70 - 125
trans-1,2-Dichloroethene	50.0	52.2		ug/L		104	70 - 125
trans-1,3-Dichloropropene	50.0	43.4		ug/L		87	62 - 128
1,2,3-Trichlorobenzene	50.0	44.1		ug/L		88	51 - 145
1,2,4-Trichlorobenzene	50.0	45.0		ug/L		90	57 - 137
1,1,1-Trichloroethane	50.0	50.7		ug/L		101	70 - 125
1,1,2-Trichloroethane	50.0	47.8		ug/L		96	71 - 130
Trichloroethene	50.0	54.8		ug/L		110	70 - 125
Trichlorofluoromethane	50.0	50.4		ug/L		101	55 - 128
1,2,3-Trichloropropane	50.0	51.7		ug/L		103	50 - 133
1,2,4-Trimethylbenzene	50.0	48.5		ug/L		97	70 - 123
1,3,5-Trimethylbenzene	50.0	48.5		ug/L		97	70 - 123
Vinyl chloride	50.0	43.9		ug/L		88	64 - 126
Xylenes, Total	100	96.0		ug/L		96	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*89*		*72 - 124*
Dibromofluoromethane (Surr)	*100*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*90*		*75 - 126*
Toluene-d8 (Surr)	*93*		*75 - 120*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-625845/6
Matrix: Water
Analysis Batch: 625845

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			10/28/21 11:36	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/28/21 11:36	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/28/21 11:36	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			10/28/21 11:36	1
Bromoform	<0.48		1.0	0.48	ug/L			10/28/21 11:36	1
Bromomethane	<0.80		3.0	0.80	ug/L			10/28/21 11:36	1
2-Butanone (MEK)	<2.1		5.0	2.1	ug/L			10/28/21 11:36	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/28/21 11:36	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/28/21 11:36	1
Chloroethane	<0.51		1.0	0.51	ug/L			10/28/21 11:36	1
Chloroform	<0.37		2.0	0.37	ug/L			10/28/21 11:36	1
Chloromethane	<0.32		1.0	0.32	ug/L			10/28/21 11:36	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/28/21 11:36	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/28/21 11:36	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			10/28/21 11:36	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/28/21 11:36	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			10/28/21 11:36	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			10/28/21 11:36	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			10/28/21 11:36	1
Dibromomethane	<0.27		1.0	0.27	ug/L			10/28/21 11:36	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/28/21 11:36	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/28/21 11:36	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/28/21 11:36	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			10/28/21 11:36	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/28/21 11:36	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			10/28/21 11:36	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			10/28/21 11:36	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			10/28/21 11:36	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/28/21 11:36	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			10/28/21 11:36	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			10/28/21 11:36	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			10/28/21 11:36	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/28/21 11:36	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/28/21 11:36	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			10/28/21 11:36	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			10/28/21 11:36	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			10/28/21 11:36	1
Naphthalene	<0.34		1.0	0.34	ug/L			10/28/21 11:36	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/28/21 11:36	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/28/21 11:36	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/28/21 11:36	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			10/28/21 11:36	1
Styrene	<0.39		1.0	0.39	ug/L			10/28/21 11:36	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/28/21 11:36	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			10/28/21 11:36	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			10/28/21 11:36	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			10/28/21 11:36	1
Toluene	<0.15		0.50	0.15	ug/L			10/28/21 11:36	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-625845/6
Matrix: Water
Analysis Batch: 625845

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			10/28/21 11:36	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/28/21 11:36	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			10/28/21 11:36	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/28/21 11:36	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			10/28/21 11:36	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			10/28/21 11:36	1
Trichloroethene	<0.16		0.50	0.16	ug/L			10/28/21 11:36	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			10/28/21 11:36	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			10/28/21 11:36	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/28/21 11:36	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/28/21 11:36	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			10/28/21 11:36	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			10/28/21 11:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*72 - 124*		*10/28/21 11:36*	*1*
Dibromofluoromethane (Surr)	*93*		*75 - 120*		*10/28/21 11:36*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*75 - 126*		*10/28/21 11:36*	*1*
Toluene-d8 (Surr)	*99*		*75 - 120*		*10/28/21 11:36*	*1*

Lab Sample ID: LCS 500-625845/4
Matrix: Water
Analysis Batch: 625845

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	50.0	48.0		ug/L		96	70 - 120
Bromobenzene	50.0	38.8		ug/L		78	70 - 122
Bromochloromethane	50.0	47.0		ug/L		94	65 - 122
Bromodichloromethane	50.0	41.5		ug/L		83	69 - 120
Bromoform	50.0	31.5		ug/L		63	56 - 132
Bromomethane	50.0	51.8		ug/L		104	40 - 152
2-Butanone (MEK)	50.0	42.8		ug/L		86	46 - 144
Carbon tetrachloride	50.0	48.7		ug/L		97	59 - 133
Chlorobenzene	50.0	47.1		ug/L		94	70 - 120
Chloroethane	50.0	49.4		ug/L		99	48 - 136
Chloroform	50.0	49.4		ug/L		99	70 - 120
Chloromethane	50.0	42.6		ug/L		85	56 - 152
2-Chlorotoluene	50.0	48.3		ug/L		97	70 - 125
4-Chlorotoluene	50.0	47.4		ug/L		95	68 - 124
cis-1,2-Dichloroethene	50.0	48.7		ug/L		97	70 - 125
cis-1,3-Dichloropropene	50.0	40.2		ug/L		80	64 - 127
Dibromochloromethane	50.0	36.6		ug/L		73	68 - 125
1,2-Dibromo-3-Chloropropane	50.0	34.5		ug/L		69	56 - 123
1,2-Dibromoethane	50.0	41.5		ug/L		83	70 - 125
Dibromomethane	50.0	48.5		ug/L		97	70 - 120
1,2-Dichlorobenzene	50.0	45.1		ug/L		90	70 - 125
1,3-Dichlorobenzene	50.0	45.2		ug/L		90	70 - 125
1,4-Dichlorobenzene	50.0	44.5		ug/L		89	70 - 120

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-625845/4
Matrix: Water
Analysis Batch: 625845

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorodifluoromethane	50.0	58.8		ug/L		118	40 - 159
1,1-Dichloroethane	50.0	48.2		ug/L		96	70 - 125
1,2-Dichloroethane	50.0	52.5		ug/L		105	68 - 127
1,1-Dichloroethene	50.0	55.0		ug/L		110	67 - 122
1,2-Dichloropropane	50.0	44.7		ug/L		89	67 - 130
1,3-Dichloropropane	50.0	44.7		ug/L		89	62 - 136
2,2-Dichloropropane	50.0	42.1		ug/L		84	58 - 139
1,1-Dichloropropene	50.0	50.5		ug/L		101	70 - 121
Ethylbenzene	50.0	51.2		ug/L		102	70 - 123
Hexachlorobutadiene	50.0	56.5		ug/L		113	51 - 150
Isopropylbenzene	50.0	51.2		ug/L		102	70 - 126
Methylene Chloride	50.0	49.8		ug/L		100	69 - 125
Methyl tert-butyl ether	50.0	37.5		ug/L		75	55 - 123
Naphthalene	50.0	50.8		ug/L		102	53 - 144
n-Butylbenzene	50.0	60.6		ug/L		121	68 - 125
N-Propylbenzene	50.0	51.9		ug/L		104	69 - 127
p-Isopropyltoluene	50.0	56.6		ug/L		113	70 - 125
sec-Butylbenzene	50.0	55.8		ug/L		112	70 - 123
Styrene	50.0	46.3		ug/L		93	70 - 120
tert-Butylbenzene	50.0	54.3		ug/L		109	70 - 121
1,1,1,2-Tetrachloroethane	50.0	47.0		ug/L		94	70 - 125
1,1,2,2-Tetrachloroethane	50.0	40.6		ug/L		81	62 - 140
Tetrachloroethene	50.0	49.9		ug/L		100	70 - 128
Toluene	50.0	50.2		ug/L		100	70 - 125
trans-1,2-Dichloroethene	50.0	50.8		ug/L		102	70 - 125
trans-1,3-Dichloropropene	50.0	36.4		ug/L		73	62 - 128
1,2,3-Trichlorobenzene	50.0	52.1		ug/L		104	51 - 145
1,2,4-Trichlorobenzene	50.0	49.8		ug/L		100	57 - 137
1,1,1-Trichloroethane	50.0	52.0		ug/L		104	70 - 125
1,1,2-Trichloroethane	50.0	45.3		ug/L		91	71 - 130
Trichloroethene	50.0	46.6		ug/L		93	70 - 125
Trichlorofluoromethane	50.0	44.0		ug/L		88	55 - 128
1,2,3-Trichloropropane	50.0	39.9		ug/L		80	50 - 133
1,2,4-Trimethylbenzene	50.0	50.2		ug/L		100	70 - 123
1,3,5-Trimethylbenzene	50.0	51.4		ug/L		103	70 - 123
Vinyl chloride	50.0	49.8		ug/L		100	64 - 126
Xylenes, Total	100	110		ug/L		110	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*86*		*72 - 124*
Dibromofluoromethane (Surr)	*96*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*108*		*75 - 126*
Toluene-d8 (Surr)	*104*		*75 - 120*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-206977-33 MS
Matrix: Water
Analysis Batch: 625845

Client Sample ID: MW-8
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.15		50.0	48.2		ug/L		96	70 - 120
Bromobenzene	<0.36		50.0	38.2		ug/L		76	70 - 122
Bromochloromethane	<0.43		50.0	47.2		ug/L		94	65 - 122
Bromodichloromethane	<0.37		50.0	40.6		ug/L		81	69 - 120
Bromoform	<0.48		50.0	29.5		ug/L		59	56 - 132
Bromomethane	<0.80		50.0	56.3		ug/L		113	40 - 152
2-Butanone (MEK)	<2.1		50.0	39.4		ug/L		79	46 - 144
Carbon tetrachloride	<0.38		50.0	48.9		ug/L		98	59 - 133
Chlorobenzene	<0.39		50.0	46.9		ug/L		94	70 - 120
Chloroethane	<0.51		50.0	55.7		ug/L		111	48 - 136
Chloroform	<0.37		50.0	49.1		ug/L		98	70 - 120
Chloromethane	<0.32		50.0	45.5		ug/L		91	56 - 152
2-Chlorotoluene	<0.31		50.0	48.1		ug/L		96	70 - 125
4-Chlorotoluene	<0.35		50.0	47.3		ug/L		95	68 - 124
cis-1,2-Dichloroethene	180		50.0	223	E	ug/L		91	70 - 125
cis-1,3-Dichloropropene	<0.42		50.0	38.0		ug/L		76	64 - 127
Dibromochloromethane	<0.49		50.0	35.1		ug/L		70	68 - 125
1,2-Dibromo-3-Chloropropane	<2.0		50.0	32.8		ug/L		66	56 - 123
1,2-Dibromoethane	<0.39		50.0	40.0		ug/L		80	70 - 125
Dibromomethane	<0.27		50.0	45.8		ug/L		92	70 - 120
1,2-Dichlorobenzene	<0.33		50.0	44.1		ug/L		88	70 - 125
1,3-Dichlorobenzene	<0.40		50.0	44.3		ug/L		89	70 - 125
1,4-Dichlorobenzene	<0.36		50.0	43.9		ug/L		88	70 - 120
Dichlorodifluoromethane	<0.67		50.0	64.5		ug/L		129	40 - 159
1,1-Dichloroethane	<0.41		50.0	48.5		ug/L		97	70 - 125
1,2-Dichloroethane	<0.39		50.0	51.1		ug/L		102	68 - 127
1,1-Dichloroethene	0.45	J	50.0	55.9		ug/L		111	67 - 122
1,2-Dichloropropane	<0.43		50.0	44.7		ug/L		89	67 - 130
1,3-Dichloropropane	<0.36		50.0	43.6		ug/L		87	62 - 136
2,2-Dichloropropane	<0.44		50.0	42.0		ug/L		84	58 - 139
1,1-Dichloropropene	<0.30		50.0	51.3		ug/L		103	70 - 121
Ethylbenzene	<0.18		50.0	51.8		ug/L		104	70 - 123
Hexachlorobutadiene	<0.45		50.0	55.2		ug/L		110	51 - 150
Isopropylbenzene	<0.39		50.0	51.1		ug/L		102	70 - 126
Methylene Chloride	<1.6		50.0	48.7		ug/L		97	69 - 125
Methyl tert-butyl ether	<0.39		50.0	36.3		ug/L		73	55 - 123
Naphthalene	<0.34		50.0	48.9		ug/L		98	53 - 144
n-Butylbenzene	<0.39		50.0	60.8		ug/L		122	68 - 125
N-Propylbenzene	<0.41		50.0	52.5		ug/L		105	69 - 127
p-Isopropyltoluene	<0.36		50.0	56.9		ug/L		114	70 - 125
sec-Butylbenzene	<0.40		50.0	55.9		ug/L		112	70 - 123
Styrene	<0.39		50.0	46.2		ug/L		92	70 - 120
tert-Butylbenzene	<0.40		50.0	54.2		ug/L		108	70 - 121
1,1,1,2-Tetrachloroethane	<0.46		50.0	45.8		ug/L		92	70 - 125
1,1,2,2-Tetrachloroethane	<0.40		50.0	39.0		ug/L		78	62 - 140
Tetrachloroethene	15		50.0	65.1		ug/L		101	70 - 128
Toluene	<0.15		50.0	50.1		ug/L		100	70 - 125
trans-1,2-Dichloroethene	3.9		50.0	53.5		ug/L		99	70 - 125

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-206977-33 MS
Matrix: Water
Analysis Batch: 625845

Client Sample ID: MW-8
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
trans-1,3-Dichloropropene	<0.36		50.0	34.8		ug/L		70	62 - 128
1,2,3-Trichlorobenzene	<0.46		50.0	49.9		ug/L		100	51 - 145
1,2,4-Trichlorobenzene	<0.34		50.0	47.4		ug/L		95	57 - 137
1,1,1-Trichloroethane	<0.38		50.0	53.3		ug/L		107	70 - 125
1,1,2-Trichloroethane	<0.35		50.0	43.7		ug/L		87	71 - 130
Trichloroethene	17		50.0	61.4		ug/L		88	70 - 125
Trichlorofluoromethane	<0.43		50.0	48.3		ug/L		97	55 - 128
1,2,3-Trichloropropane	<0.41		50.0	38.9		ug/L		78	50 - 133
1,2,4-Trimethylbenzene	<0.36		50.0	49.5		ug/L		99	70 - 123
1,3,5-Trimethylbenzene	<0.25		50.0	51.2		ug/L		102	70 - 123
Vinyl chloride	1.2		50.0	54.8		ug/L		107	64 - 126
Xylenes, Total	<0.22		100	110		ug/L		110	70 - 125

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*86*		*72 - 124*
Dibromofluoromethane (Surr)	*96*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*106*		*75 - 126*
Toluene-d8 (Surr)	*104*		*75 - 120*

Lab Sample ID: 500-206977-33 MSD
Matrix: Water
Analysis Batch: 625845

Client Sample ID: MW-8
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.15		50.0	49.8		ug/L		100	70 - 120	3	20
Bromobenzene	<0.36		50.0	39.8		ug/L		80	70 - 122	4	20
Bromochloromethane	<0.43		50.0	49.0		ug/L		98	65 - 122	4	20
Bromodichloromethane	<0.37		50.0	42.4		ug/L		85	69 - 120	4	20
Bromoform	<0.48		50.0	31.2		ug/L		62	56 - 132	6	20
Bromomethane	<0.80		50.0	53.9		ug/L		108	40 - 152	4	20
2-Butanone (MEK)	<2.1		50.0	37.1		ug/L		74	46 - 144	6	20
Carbon tetrachloride	<0.38		50.0	51.3		ug/L		103	59 - 133	5	20
Chlorobenzene	<0.39		50.0	49.1		ug/L		98	70 - 120	5	20
Chloroethane	<0.51		50.0	51.9		ug/L		104	48 - 136	7	20
Chloroform	<0.37		50.0	51.8		ug/L		104	70 - 120	5	20
Chloromethane	<0.32		50.0	43.6		ug/L		87	56 - 152	4	20
2-Chlorotoluene	<0.31		50.0	50.9		ug/L		102	70 - 125	6	20
4-Chlorotoluene	<0.35		50.0	49.4		ug/L		99	68 - 124	4	20
cis-1,2-Dichloroethene	180		50.0	226	E	ug/L		99	70 - 125	2	20
cis-1,3-Dichloropropene	<0.42		50.0	40.9		ug/L		82	64 - 127	7	20
Dibromochloromethane	<0.49		50.0	37.6		ug/L		75	68 - 125	7	20
1,2-Dibromo-3-Chloropropane	<2.0		50.0	34.6		ug/L		69	56 - 123	5	20
1,2-Dibromoethane	<0.39		50.0	42.3		ug/L		85	70 - 125	6	20
Dibromomethane	<0.27		50.0	48.4		ug/L		97	70 - 120	6	20
1,2-Dichlorobenzene	<0.33		50.0	46.5		ug/L		93	70 - 125	5	20
1,3-Dichlorobenzene	<0.40		50.0	46.8		ug/L		94	70 - 125	6	20
1,4-Dichlorobenzene	<0.36		50.0	46.1		ug/L		92	70 - 120	5	20
Dichlorodifluoromethane	<0.67		50.0	58.7		ug/L		117	40 - 159	9	20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-206977-33 MSD
Matrix: Water
Analysis Batch: 625845

Client Sample ID: MW-8
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-Dichloroethane	<0.41		50.0	50.1		ug/L		100	70 - 125	3	20
1,2-Dichloroethane	<0.39		50.0	52.6		ug/L		105	68 - 127	3	20
1,1-Dichloroethene	0.45	J	50.0	57.5		ug/L		114	67 - 122	3	20
1,2-Dichloropropane	<0.43		50.0	46.2		ug/L		92	67 - 130	3	20
1,3-Dichloropropane	<0.36		50.0	45.7		ug/L		91	62 - 136	5	20
2,2-Dichloropropane	<0.44		50.0	45.0		ug/L		90	58 - 139	7	20
1,1-Dichloropropene	<0.30		50.0	53.1		ug/L		106	70 - 121	3	20
Ethylbenzene	<0.18		50.0	53.7		ug/L		107	70 - 123	4	20
Hexachlorobutadiene	<0.45		50.0	57.2		ug/L		114	51 - 150	4	20
Isopropylbenzene	<0.39		50.0	53.7		ug/L		107	70 - 126	5	20
Methylene Chloride	<1.6		50.0	50.7		ug/L		101	69 - 125	4	20
Methyl tert-butyl ether	<0.39		50.0	37.6		ug/L		75	55 - 123	4	20
Naphthalene	<0.34		50.0	51.7		ug/L		103	53 - 144	6	20
n-Butylbenzene	<0.39		50.0	63.6	F1	ug/L		127	68 - 125	5	20
N-Propylbenzene	<0.41		50.0	54.9		ug/L		110	69 - 127	5	20
p-Isopropyltoluene	<0.36		50.0	59.4		ug/L		119	70 - 125	4	20
sec-Butylbenzene	<0.40		50.0	58.8		ug/L		118	70 - 123	5	20
Styrene	<0.39		50.0	47.6		ug/L		95	70 - 120	3	20
tert-Butylbenzene	<0.40		50.0	57.0		ug/L		114	70 - 121	5	20
1,1,1,2-Tetrachloroethane	<0.46		50.0	48.7		ug/L		97	70 - 125	6	20
1,1,2,2-Tetrachloroethane	<0.40		50.0	40.6		ug/L		81	62 - 140	4	20
Tetrachloroethene	15		50.0	67.6		ug/L		106	70 - 128	4	20
Toluene	<0.15		50.0	52.7		ug/L		105	70 - 125	5	20
trans-1,2-Dichloroethene	3.9		50.0	57.4		ug/L		107	70 - 125	7	20
trans-1,3-Dichloropropene	<0.36		50.0	36.9		ug/L		74	62 - 128	6	20
1,2,3-Trichlorobenzene	<0.46		50.0	52.5		ug/L		105	51 - 145	5	20
1,2,4-Trichlorobenzene	<0.34		50.0	50.7		ug/L		101	57 - 137	7	20
1,1,1-Trichloroethane	<0.38		50.0	54.6		ug/L		109	70 - 125	2	20
1,1,2-Trichloroethane	<0.35		50.0	45.7		ug/L		91	71 - 130	4	20
Trichloroethene	17		50.0	63.9		ug/L		93	70 - 125	4	20
Trichlorofluoromethane	<0.43		50.0	46.4		ug/L		93	55 - 128	4	20
1,2,3-Trichloropropane	<0.41		50.0	40.8		ug/L		82	50 - 133	5	20
1,2,4-Trimethylbenzene	<0.36		50.0	52.2		ug/L		104	70 - 123	5	20
1,3,5-Trimethylbenzene	<0.25		50.0	53.4		ug/L		107	70 - 123	4	20
Vinyl chloride	1.2		50.0	52.4		ug/L		102	64 - 126	4	20
Xylenes, Total	<0.22		100	115		ug/L		115	70 - 125	4	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*86*		*72 - 124*
Dibromofluoromethane (Surr)	*96*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*105*		*75 - 126*
Toluene-d8 (Surr)	*105*		*75 - 120*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 500-623952/1-A
Matrix: Water
Analysis Batch: 624520

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 623952

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.25		0.80	0.25	ug/L		10/18/21 06:31	10/20/21 14:52	1
Acenaphthylene	<0.21		0.80	0.21	ug/L		10/18/21 06:31	10/20/21 14:52	1
Anthracene	<0.27		0.80	0.27	ug/L		10/18/21 06:31	10/20/21 14:52	1
Benzo[a]anthracene	<0.045		0.16	0.045	ug/L		10/18/21 06:31	10/20/21 14:52	1
Benzo[a]pyrene	<0.079		0.16	0.079	ug/L		10/18/21 06:31	10/20/21 14:52	1
Benzo[b]fluoranthene	<0.065		0.16	0.065	ug/L		10/18/21 06:31	10/20/21 14:52	1
Benzo[g,h,i]perylene	<0.30		0.80	0.30	ug/L		10/18/21 06:31	10/20/21 14:52	1
Benzo[k]fluoranthene	<0.051		0.16	0.051	ug/L		10/18/21 06:31	10/20/21 14:52	1
Chrysene	<0.055		0.16	0.055	ug/L		10/18/21 06:31	10/20/21 14:52	1
Dibenz(a,h)anthracene	<0.041		0.24	0.041	ug/L		10/18/21 06:31	10/20/21 14:52	1
Fluoranthene	<0.36		0.80	0.36	ug/L		10/18/21 06:31	10/20/21 14:52	1
Fluorene	<0.20		0.80	0.20	ug/L		10/18/21 06:31	10/20/21 14:52	1
Indeno[1,2,3-cd]pyrene	<0.060		0.16	0.060	ug/L		10/18/21 06:31	10/20/21 14:52	1
Naphthalene	<0.25		0.80	0.25	ug/L		10/18/21 06:31	10/20/21 14:52	1
Phenanthrene	<0.24		0.80	0.24	ug/L		10/18/21 06:31	10/20/21 14:52	1
Pyrene	<0.34		0.80	0.34	ug/L		10/18/21 06:31	10/20/21 14:52	1
1-Methylnaphthalene	<0.24		1.6	0.24	ug/L		10/18/21 06:31	10/20/21 14:52	1
2-Methylnaphthalene	<0.052		1.6	0.052	ug/L		10/18/21 06:31	10/20/21 14:52	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*85*		*36 - 120*	*10/18/21 06:31*	*10/20/21 14:52*	*1*
Terphenyl-d14 (Surr)	*97*		*40 - 145*	*10/18/21 06:31*	*10/20/21 14:52*	*1*
2-Fluorobiphenyl (Surr)	*84*		*34 - 110*	*10/18/21 06:31*	*10/20/21 14:52*	*1*

Lab Sample ID: LCS 500-623952/2-A
Matrix: Water
Analysis Batch: 624520

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 623952

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	32.0	25.5		ug/L		80	46 - 110
Acenaphthylene	32.0	25.3		ug/L		79	47 - 113
Anthracene	32.0	27.9		ug/L		87	67 - 118
Benzo[a]anthracene	32.0	25.9		ug/L		81	70 - 126
Benzo[a]pyrene	32.0	27.4		ug/L		86	70 - 135
Benzo[b]fluoranthene	32.0	27.4		ug/L		86	69 - 136
Benzo[g,h,i]perylene	32.0	28.6		ug/L		89	70 - 135
Benzo[k]fluoranthene	32.0	27.4		ug/L		86	70 - 133
Chrysene	32.0	27.1		ug/L		85	68 - 129
Dibenz(a,h)anthracene	32.0	29.1		ug/L		91	70 - 134
Fluoranthene	32.0	27.8		ug/L		87	68 - 126
Fluorene	32.0	26.8		ug/L		84	53 - 120
Indeno[1,2,3-cd]pyrene	32.0	28.5		ug/L		89	65 - 133
Naphthalene	32.0	22.7		ug/L		71	36 - 110
Phenanthrene	32.0	27.3		ug/L		85	65 - 120
Pyrene	32.0	28.2		ug/L		88	70 - 126
1-Methylnaphthalene	32.0	22.3		ug/L		70	38 - 110
2-Methylnaphthalene	32.0	22.1		ug/L		69	34 - 110

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-623952/2-A
Matrix: Water
Analysis Batch: 624520

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 623952

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Nitrobenzene-d5 (Surr)	86		36 - 120
Terphenyl-d14 (Surr)	99		40 - 145
2-Fluorobiphenyl (Surr)	91		34 - 110

Lab Sample ID: LCSD 500-623952/3-A
Matrix: Water
Analysis Batch: 624520

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 623952

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene			32.0	25.6		ug/L		80	46 - 110	0	20
Acenaphthylene			32.0	25.1		ug/L		78	47 - 113	1	20
Anthracene			32.0	26.7		ug/L		83	67 - 118	5	20
Benzo[a]anthracene			32.0	24.7		ug/L		77	70 - 126	5	20
Benzo[a]pyrene			32.0	26.7		ug/L		83	70 - 135	3	20
Benzo[b]fluoranthene			32.0	27.3		ug/L		85	69 - 136	0	20
Benzo[g,h,i]perylene			32.0	27.9		ug/L		87	70 - 135	3	20
Benzo[k]fluoranthene			32.0	26.6		ug/L		83	70 - 133	3	20
Chrysene			32.0	25.2		ug/L		79	68 - 129	7	20
Dibenz(a,h)anthracene			32.0	28.6		ug/L		89	70 - 134	2	20
Fluoranthene			32.0	26.9		ug/L		84	68 - 126	3	20
Fluorene			32.0	26.0		ug/L		81	53 - 120	3	20
Indeno[1,2,3-cd]pyrene			32.0	28.1		ug/L		88	65 - 133	1	20
Naphthalene			32.0	22.3		ug/L		70	36 - 110	2	20
Phenanthrene			32.0	26.9		ug/L		84	65 - 120	1	20
Pyrene			32.0	26.9		ug/L		84	70 - 126	5	20
1-Methylnaphthalene			32.0	22.5		ug/L		70	38 - 110	1	20
2-Methylnaphthalene			32.0	21.8		ug/L		68	34 - 110	2	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Nitrobenzene-d5 (Surr)	83		36 - 120
Terphenyl-d14 (Surr)	91		40 - 145
2-Fluorobiphenyl (Surr)	93		34 - 110

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-535204/1-A
Matrix: Water
Analysis Batch: 535532

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 535204

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.4		5.0	2.4	ng/L		10/19/21 04:55	10/19/21 21:56	1
Perfluoropentanoic acid (PFPeA)	<0.49		2.0	0.49	ng/L		10/19/21 04:55	10/19/21 21:56	1
Perfluorohexanoic acid (PFHxA)	<0.58		2.0	0.58	ng/L		10/19/21 04:55	10/19/21 21:56	1
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		10/19/21 04:55	10/19/21 21:56	1
Perfluorooctanoic acid (PFOA)	<0.85		2.0	0.85	ng/L		10/19/21 04:55	10/19/21 21:56	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		10/19/21 04:55	10/19/21 21:56	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		10/19/21 04:55	10/19/21 21:56	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		10/19/21 04:55	10/19/21 21:56	1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: MB 320-535204/1-A
Matrix: Water
Analysis Batch: 535532

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 535204

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		10/19/21 04:55	10/19/21 21:56	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		10/19/21 04:55	10/19/21 21:56	1
Perfluorotetradecanoic acid (PFTeA)	<0.73		2.0	0.73	ng/L		10/19/21 04:55	10/19/21 21:56	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		10/19/21 04:55	10/19/21 21:56	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		10/19/21 04:55	10/19/21 21:56	1
Perfluorohexanesulfonic acid (PFHxS)	<0.57		2.0	0.57	ng/L		10/19/21 04:55	10/19/21 21:56	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.19		2.0	0.19	ng/L		10/19/21 04:55	10/19/21 21:56	1
Perfluorooctanesulfonic acid (PFOS)	<0.54		2.0	0.54	ng/L		10/19/21 04:55	10/19/21 21:56	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		10/19/21 04:55	10/19/21 21:56	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		10/19/21 04:55	10/19/21 21:56	1
Perfluorododecanesulfonic acid (PFDoS)	<0.97		2.0	0.97	ng/L		10/19/21 04:55	10/19/21 21:56	1
Perfluorooctanesulfonamide (FOSA)	<0.98		2.0	0.98	ng/L		10/19/21 04:55	10/19/21 21:56	1
NEtFOSA	<0.87		2.0	0.87	ng/L		10/19/21 04:55	10/19/21 21:56	1
NMeFOSA	<0.43		2.0	0.43	ng/L		10/19/21 04:55	10/19/21 21:56	1
NMeFOSAA	<1.2		5.0	1.2	ng/L		10/19/21 04:55	10/19/21 21:56	1
NEtFOSAA	<1.3		5.0	1.3	ng/L		10/19/21 04:55	10/19/21 21:56	1
NMeFOSE	<1.4		4.0	1.4	ng/L		10/19/21 04:55	10/19/21 21:56	1
NEtFOSE	<0.85		2.0	0.85	ng/L		10/19/21 04:55	10/19/21 21:56	1
4:2 FTS	<0.24		2.0	0.24	ng/L		10/19/21 04:55	10/19/21 21:56	1
6:2 FTS	<2.5		5.0	2.5	ng/L		10/19/21 04:55	10/19/21 21:56	1
8:2 FTS	<0.46		2.0	0.46	ng/L		10/19/21 04:55	10/19/21 21:56	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		10/19/21 04:55	10/19/21 21:56	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		10/19/21 04:55	10/19/21 21:56	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		10/19/21 04:55	10/19/21 21:56	1
11Cl-PF3OUdS	<0.32		2.0	0.32	ng/L		10/19/21 04:55	10/19/21 21:56	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*93*		*25 - 150*	*10/19/21 04:55*	*10/19/21 21:56*	*1*
13C5 PFPeA	*100*		*25 - 150*	*10/19/21 04:55*	*10/19/21 21:56*	*1*
13C2 PFHxA	*102*		*25 - 150*	*10/19/21 04:55*	*10/19/21 21:56*	*1*
13C4 PFHpA	*98*		*25 - 150*	*10/19/21 04:55*	*10/19/21 21:56*	*1*
13C4 PFOA	*98*		*25 - 150*	*10/19/21 04:55*	*10/19/21 21:56*	*1*
13C5 PFNA	*108*		*25 - 150*	*10/19/21 04:55*	*10/19/21 21:56*	*1*
13C2 PFDA	*104*		*25 - 150*	*10/19/21 04:55*	*10/19/21 21:56*	*1*
13C2 PFUnA	*102*		*25 - 150*	*10/19/21 04:55*	*10/19/21 21:56*	*1*
13C2 PFDoA	*99*		*25 - 150*	*10/19/21 04:55*	*10/19/21 21:56*	*1*
13C2 PFTeDA	*99*		*25 - 150*	*10/19/21 04:55*	*10/19/21 21:56*	*1*
13C3 PFBS	*100*		*25 - 150*	*10/19/21 04:55*	*10/19/21 21:56*	*1*
18O2 PFHxS	*94*		*25 - 150*	*10/19/21 04:55*	*10/19/21 21:56*	*1*
13C4 PFOS	*99*		*25 - 150*	*10/19/21 04:55*	*10/19/21 21:56*	*1*
13C8 FOSA	*90*		*10 - 150*	*10/19/21 04:55*	*10/19/21 21:56*	*1*
d3-NMeFOSAA	*93*		*25 - 150*	*10/19/21 04:55*	*10/19/21 21:56*	*1*
d5-NEtFOSAA	*99*		*25 - 150*	*10/19/21 04:55*	*10/19/21 21:56*	*1*
d-N-MeFOSA-M	*81*		*10 - 150*	*10/19/21 04:55*	*10/19/21 21:56*	*1*
d-N-EtFOSA-M	*80*		*10 - 150*	*10/19/21 04:55*	*10/19/21 21:56*	*1*
d7-N-MeFOSE-M	*88*		*10 - 150*	*10/19/21 04:55*	*10/19/21 21:56*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: MB 320-535204/1-A
Matrix: Water
Analysis Batch: 535532

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 535204

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
d9-N-EtFOSE-M	92		10 - 150	10/19/21 04:55	10/19/21 21:56	1
M2-4:2 FTS	115		25 - 150	10/19/21 04:55	10/19/21 21:56	1
M2-6:2 FTS	108		25 - 150	10/19/21 04:55	10/19/21 21:56	1
M2-8:2 FTS	119		25 - 150	10/19/21 04:55	10/19/21 21:56	1
13C3 HFPO-DA	96		25 - 150	10/19/21 04:55	10/19/21 21:56	1
13C2 10:2 FTS	117		25 - 150	10/19/21 04:55	10/19/21 21:56	1

Lab Sample ID: LCS 320-535204/2-A
Matrix: Water
Analysis Batch: 535532

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 535204

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorobutanoic acid (PFBA)	40.0	40.2		ng/L		101	60 - 135
Perfluoropentanoic acid (PFPeA)	40.0	38.3		ng/L		96	60 - 135
Perfluorohexanoic acid (PFHxA)	40.0	40.3		ng/L		101	60 - 135
Perfluoroheptanoic acid (PFHpA)	40.0	39.5		ng/L		99	60 - 135
Perfluorooctanoic acid (PFOA)	40.0	38.3		ng/L		96	60 - 135
Perfluorononanoic acid (PFNA)	40.0	37.7		ng/L		94	60 - 135
Perfluorodecanoic acid (PFDA)	40.0	37.9		ng/L		95	60 - 135
Perfluoroundecanoic acid (PFUnA)	40.0	36.1		ng/L		90	60 - 135
Perfluorododecanoic acid (PFDoA)	40.0	39.0		ng/L		98	60 - 135
Perfluorotridecanoic acid (PFTrDA)	40.0	40.0		ng/L		100	60 - 135
Perfluorotetradecanoic acid (PFTeA)	40.0	36.9		ng/L		92	60 - 135
Perfluorobutanesulfonic acid (PFBS)	35.4	32.2		ng/L		91	60 - 135
Perfluoropentanesulfonic acid (PFPeS)	37.5	35.6		ng/L		95	60 - 135
Perfluorohexanesulfonic acid (PFHxS)	36.4	34.0		ng/L		93	60 - 135
Perfluoroheptanesulfonic Acid (PFHpS)	38.1	33.7		ng/L		89	60 - 135
Perfluorooctanesulfonic acid (PFOS)	37.1	33.0		ng/L		89	60 - 135
Perfluorononanesulfonic acid (PFNS)	38.4	34.3		ng/L		89	60 - 135
Perfluorodecanesulfonic acid (PFDS)	38.6	34.0		ng/L		88	60 - 135
Perfluorododecanesulfonic acid (PFDoS)	38.7	33.8		ng/L		87	60 - 135
Perfluorooctanesulfonamide (FOSA)	40.0	39.8		ng/L		99	60 - 135
NEtFOSA	40.0	34.7		ng/L		87	60 - 135
NMeFOSA	40.0	39.9		ng/L		100	60 - 135
NMeFOSAA	40.0	36.2		ng/L		90	60 - 135
NEtFOSAA	40.0	38.5		ng/L		96	60 - 135
NMeFOSE	40.0	40.0		ng/L		100	60 - 135
NEtFOSE	40.0	38.3		ng/L		96	60 - 135
4:2 FTS	37.4	37.4		ng/L		100	60 - 135

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-535204/2-A
Matrix: Water
Analysis Batch: 535532

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 535204

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
6:2 FTS	37.9	39.8		ng/L		105	60 - 135
8:2 FTS	38.3	36.0		ng/L		94	60 - 135
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.7	37.2		ng/L		99	60 - 135
HFPO-DA (GenX)	40.0	40.2		ng/L		100	60 - 135
9Cl-PF3ONS	37.3	34.1		ng/L		91	60 - 135
11Cl-PF3OUdS	37.7	34.6		ng/L		92	60 - 135

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*95*		*25 - 150*
13C5 PFPeA	*104*		*25 - 150*
13C2 PFHxA	*101*		*25 - 150*
13C4 PFHpA	*106*		*25 - 150*
13C4 PFOA	*107*		*25 - 150*
13C5 PFNA	*110*		*25 - 150*
13C2 PFDA	*105*		*25 - 150*
13C2 PFUnA	*108*		*25 - 150*
13C2 PFDoA	*105*		*25 - 150*
13C2 PFTeDA	*109*		*25 - 150*
13C3 PFBS	*99*		*25 - 150*
18O2 PFHxS	*94*		*25 - 150*
13C4 PFOS	*102*		*25 - 150*
13C8 FOSA	*92*		*10 - 150*
d3-NMeFOSAA	*98*		*25 - 150*
d5-NEtFOSAA	*107*		*25 - 150*
d-N-MeFOSA-M	*84*		*10 - 150*
d-N-EtFOSA-M	*87*		*10 - 150*
d7-N-MeFOSE-M	*95*		*10 - 150*
d9-N-EtFOSE-M	*101*		*10 - 150*
M2-4:2 FTS	*119*		*25 - 150*
M2-6:2 FTS	*110*		*25 - 150*
M2-8:2 FTS	*109*		*25 - 150*
13C3 HFPO-DA	*104*		*25 - 150*
13C2 10:2 FTS	*118*		*25 - 150*

Lab Sample ID: LCSD 320-535204/3-A
Matrix: Water
Analysis Batch: 535532

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 535204

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	40.0	38.3		ng/L		96	60 - 135	5	30
Perfluoropentanoic acid (PFPeA)	40.0	39.7		ng/L		99	60 - 135	3	30
Perfluorohexanoic acid (PFHxA)	40.0	40.2		ng/L		100	60 - 135	0	30
Perfluoroheptanoic acid (PFHpA)	40.0	42.6		ng/L		106	60 - 135	8	30
Perfluorooctanoic acid (PFOA)	40.0	40.3		ng/L		101	60 - 135	5	30
Perfluorononanoic acid (PFNA)	40.0	41.9		ng/L		105	60 - 135	10	30
Perfluorodecanoic acid (PFDA)	40.0	39.5		ng/L		99	60 - 135	4	30
Perfluoroundecanoic acid (PFUnA)	40.0	38.9		ng/L		97	60 - 135	7	30

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCSD 320-535204/3-A
Matrix: Water
Analysis Batch: 535532

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 535204

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorododecanoic acid (PFDoA)			40.0	39.6		ng/L		99	60 - 135	1	30
Perfluorotridecanoic acid (PFTrDA)			40.0	40.3		ng/L		101	60 - 135	1	30
Perfluorotetradecanoic acid (PFTeA)			40.0	38.7		ng/L		97	60 - 135	5	30
Perfluorobutanesulfonic acid (PFBS)			35.4	34.7		ng/L		98	60 - 135	8	30
Perfluoropentanesulfonic acid (PFPeS)			37.5	36.6		ng/L		98	60 - 135	3	30
Perfluorohexanesulfonic acid (PFHxS)			36.4	33.9		ng/L		93	60 - 135	0	30
Perfluoroheptanesulfonic Acid (PFHpS)			38.1	36.0		ng/L		95	60 - 135	7	30
Perfluorooctanesulfonic acid (PFOS)			37.1	34.7		ng/L		93	60 - 135	5	30
Perfluorononanesulfonic acid (PFNS)			38.4	36.6		ng/L		95	60 - 135	6	30
Perfluorodecanesulfonic acid (PFDS)			38.6	35.4		ng/L		92	60 - 135	4	30
Perfluorododecanesulfonic acid (PFDoS)			38.7	34.9		ng/L		90	60 - 135	3	30
Perfluorooctanesulfonamide (FOSA)			40.0	40.3		ng/L		101	60 - 135	1	30
NEtFOSA			40.0	37.4		ng/L		93	60 - 135	8	30
NMeFOSA			40.0	40.7		ng/L		102	60 - 135	2	30
NMeFOSAA			40.0	37.9		ng/L		95	60 - 135	5	30
NEtFOSAA			40.0	40.9		ng/L		102	60 - 135	6	30
NMeFOSE			40.0	39.6		ng/L		99	60 - 135	1	30
NEtFOSE			40.0	38.7		ng/L		97	60 - 135	1	30
4:2 FTS			37.4	34.1		ng/L		91	60 - 135	9	30
6:2 FTS			37.9	39.2		ng/L		103	60 - 135	2	30
8:2 FTS			38.3	38.9		ng/L		101	60 - 135	8	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)			37.7	38.7		ng/L		103	60 - 135	4	30
HFPO-DA (GenX)			40.0	39.5		ng/L		99	60 - 135	2	30
9Cl-PF3ONS			37.3	37.2		ng/L		100	60 - 135	9	30
11Cl-PF3OUdS			37.7	36.8		ng/L		98	60 - 135	6	30

Isotope Dilution	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
13C4 PFBA	*92*		*25 - 150*
13C5 PFPeA	*92*		*25 - 150*
13C2 PFHxA	*92*		*25 - 150*
13C4 PFHpA	*92*		*25 - 150*
13C4 PFOA	*94*		*25 - 150*
13C5 PFNA	*94*		*25 - 150*
13C2 PFDA	*96*		*25 - 150*
13C2 PFUnA	*96*		*25 - 150*
13C2 PFDoA	*91*		*25 - 150*
13C2 PFTeDA	*92*		*25 - 150*
13C3 PFBS	*89*		*25 - 150*
18O2 PFHxS	*89*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCSD 320-535204/3-A
Matrix: Water
Analysis Batch: 535532

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 535204

Isotope Dilution	LCSD %Recovery	LCSD Qualifier	Limits
13C4 PFOS	90		25 - 150
13C8 FOSA	86		10 - 150
d3-NMeFOSAA	91		25 - 150
d5-NEtFOSAA	91		25 - 150
d-N-MeFOSA-M	75		10 - 150
d-N-EtFOSA-M	78		10 - 150
d7-N-MeFOSE-M	87		10 - 150
d9-N-EtFOSE-M	89		10 - 150
M2-4:2 FTS	115		25 - 150
M2-6:2 FTS	109		25 - 150
M2-8:2 FTS	103		25 - 150
13C3 HFPO-DA	98		25 - 150
13C2 10:2 FTS	100		25 - 150

Lab Sample ID: MB 320-535207/1-A
Matrix: Water
Analysis Batch: 535535

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 535207

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.4		5.0	2.4	ng/L		10/19/21 05:09	10/20/21 03:40	1
Perfluoropentanoic acid (PFPeA)	<0.49		2.0	0.49	ng/L		10/19/21 05:09	10/20/21 03:40	1
Perfluorohexanoic acid (PFHxA)	<0.58		2.0	0.58	ng/L		10/19/21 05:09	10/20/21 03:40	1
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		10/19/21 05:09	10/20/21 03:40	1
Perfluorooctanoic acid (PFOA)	<0.85		2.0	0.85	ng/L		10/19/21 05:09	10/20/21 03:40	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		10/19/21 05:09	10/20/21 03:40	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		10/19/21 05:09	10/20/21 03:40	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		10/19/21 05:09	10/20/21 03:40	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		10/19/21 05:09	10/20/21 03:40	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		10/19/21 05:09	10/20/21 03:40	1
Perfluorotetradecanoic acid (PFTeA)	<0.73		2.0	0.73	ng/L		10/19/21 05:09	10/20/21 03:40	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		10/19/21 05:09	10/20/21 03:40	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		10/19/21 05:09	10/20/21 03:40	1
Perfluorohexanesulfonic acid (PFHxS)	<0.57		2.0	0.57	ng/L		10/19/21 05:09	10/20/21 03:40	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.19		2.0	0.19	ng/L		10/19/21 05:09	10/20/21 03:40	1
Perfluorooctanesulfonic acid (PFOS)	<0.54		2.0	0.54	ng/L		10/19/21 05:09	10/20/21 03:40	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		10/19/21 05:09	10/20/21 03:40	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		10/19/21 05:09	10/20/21 03:40	1
Perfluorododecanesulfonic acid (PFDoS)	<0.97		2.0	0.97	ng/L		10/19/21 05:09	10/20/21 03:40	1
Perfluorooctanesulfonamide (FOSA)	<0.98		2.0	0.98	ng/L		10/19/21 05:09	10/20/21 03:40	1
NEtFOSA	<0.87		2.0	0.87	ng/L		10/19/21 05:09	10/20/21 03:40	1
NMeFOSA	<0.43		2.0	0.43	ng/L		10/19/21 05:09	10/20/21 03:40	1
NMeFOSAA	<1.2		5.0	1.2	ng/L		10/19/21 05:09	10/20/21 03:40	1
NEtFOSAA	<1.3		5.0	1.3	ng/L		10/19/21 05:09	10/20/21 03:40	1
NMeFOSE	<1.4		4.0	1.4	ng/L		10/19/21 05:09	10/20/21 03:40	1
NEtFOSE	<0.85		2.0	0.85	ng/L		10/19/21 05:09	10/20/21 03:40	1
4:2 FTS	<0.24		2.0	0.24	ng/L		10/19/21 05:09	10/20/21 03:40	1
6:2 FTS	<2.5		5.0	2.5	ng/L		10/19/21 05:09	10/20/21 03:40	1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: MB 320-535207/1-A
Matrix: Water
Analysis Batch: 535535

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 535207

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
8:2 FTS	<0.46		2.0	0.46	ng/L		10/19/21 05:09	10/20/21 03:40	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		10/19/21 05:09	10/20/21 03:40	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		10/19/21 05:09	10/20/21 03:40	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		10/19/21 05:09	10/20/21 03:40	1
11Cl-PF3OUdS	<0.32		2.0	0.32	ng/L		10/19/21 05:09	10/20/21 03:40	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*95*		*25 - 150*	*10/19/21 05:09*	*10/20/21 03:40*	*1*
13C5 PFPeA	*106*		*25 - 150*	*10/19/21 05:09*	*10/20/21 03:40*	*1*
13C2 PFHxA	*99*		*25 - 150*	*10/19/21 05:09*	*10/20/21 03:40*	*1*
13C4 PFHpA	*99*		*25 - 150*	*10/19/21 05:09*	*10/20/21 03:40*	*1*
13C4 PFOA	*102*		*25 - 150*	*10/19/21 05:09*	*10/20/21 03:40*	*1*
13C5 PFNA	*104*		*25 - 150*	*10/19/21 05:09*	*10/20/21 03:40*	*1*
13C2 PFDA	*105*		*25 - 150*	*10/19/21 05:09*	*10/20/21 03:40*	*1*
13C2 PFUnA	*105*		*25 - 150*	*10/19/21 05:09*	*10/20/21 03:40*	*1*
13C2 PFDoA	*99*		*25 - 150*	*10/19/21 05:09*	*10/20/21 03:40*	*1*
13C2 PFTeDA	*104*		*25 - 150*	*10/19/21 05:09*	*10/20/21 03:40*	*1*
13C3 PFBS	*98*		*25 - 150*	*10/19/21 05:09*	*10/20/21 03:40*	*1*
18O2 PFHxS	*97*		*25 - 150*	*10/19/21 05:09*	*10/20/21 03:40*	*1*
13C4 PFOS	*102*		*25 - 150*	*10/19/21 05:09*	*10/20/21 03:40*	*1*
13C8 FOSA	*96*		*10 - 150*	*10/19/21 05:09*	*10/20/21 03:40*	*1*
d3-NMeFOSAA	*98*		*25 - 150*	*10/19/21 05:09*	*10/20/21 03:40*	*1*
d5-NEtFOSAA	*105*		*25 - 150*	*10/19/21 05:09*	*10/20/21 03:40*	*1*
d-N-MeFOSA-M	*79*		*10 - 150*	*10/19/21 05:09*	*10/20/21 03:40*	*1*
d-N-EtFOSA-M	*84*		*10 - 150*	*10/19/21 05:09*	*10/20/21 03:40*	*1*
d7-N-MeFOSE-M	*92*		*10 - 150*	*10/19/21 05:09*	*10/20/21 03:40*	*1*
d9-N-EtFOSE-M	*96*		*10 - 150*	*10/19/21 05:09*	*10/20/21 03:40*	*1*
M2-4:2 FTS	*129*		*25 - 150*	*10/19/21 05:09*	*10/20/21 03:40*	*1*
M2-6:2 FTS	*114*		*25 - 150*	*10/19/21 05:09*	*10/20/21 03:40*	*1*
M2-8:2 FTS	*122*		*25 - 150*	*10/19/21 05:09*	*10/20/21 03:40*	*1*
13C3 HFPO-DA	*99*		*25 - 150*	*10/19/21 05:09*	*10/20/21 03:40*	*1*
13C2 10:2 FTS	*111*		*25 - 150*	*10/19/21 05:09*	*10/20/21 03:40*	*1*

Lab Sample ID: LCS 320-535207/2-A
Matrix: Water
Analysis Batch: 535535

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 535207

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorobutanoic acid (PFBA)	40.0	39.5		ng/L		99	60 - 135
Perfluoropentanoic acid (PFPeA)	40.0	36.3		ng/L		91	60 - 135
Perfluorohexanoic acid (PFHxA)	40.0	40.9		ng/L		102	60 - 135
Perfluoroheptanoic acid (PFHpA)	40.0	39.8		ng/L		99	60 - 135
Perfluorooctanoic acid (PFOA)	40.0	37.7		ng/L		94	60 - 135
Perfluorononanoic acid (PFNA)	40.0	39.1		ng/L		98	60 - 135
Perfluorodecanoic acid (PFDA)	40.0	39.6		ng/L		99	60 - 135
Perfluoroundecanoic acid (PFUnA)	40.0	39.0		ng/L		98	60 - 135
Perfluorododecanoic acid (PFDoA)	40.0	38.8		ng/L		97	60 - 135

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-535207/2-A
Matrix: Water
Analysis Batch: 535535

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 535207

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorotridecanoic acid (PFTrDA)	40.0	39.7		ng/L		99	60 - 135
Perfluorotetradecanoic acid (PFTeA)	40.0	37.8		ng/L		94	60 - 135
Perfluorobutanesulfonic acid (PFBS)	35.4	33.3		ng/L		94	60 - 135
Perfluoropentanesulfonic acid (PFPeS)	37.5	35.7		ng/L		95	60 - 135
Perfluorohexanesulfonic acid (PFHxS)	36.4	33.5		ng/L		92	60 - 135
Perfluoroheptanesulfonic Acid (PFHpS)	38.1	35.4		ng/L		93	60 - 135
Perfluorooctanesulfonic acid (PFOS)	37.1	33.4		ng/L		90	60 - 135
Perfluorononanesulfonic acid (PFNS)	38.4	35.6		ng/L		93	60 - 135
Perfluorodecanesulfonic acid (PFDS)	38.6	36.4		ng/L		94	60 - 135
Perfluorododecanesulfonic acid (PFDoS)	38.7	34.0		ng/L		88	60 - 135
Perfluorooctanesulfonamide (FOSA)	40.0	39.3		ng/L		98	60 - 135
NEtFOSA	40.0	35.4		ng/L		88	60 - 135
NMeFOSA	40.0	40.8		ng/L		102	60 - 135
NMeFOSAA	40.0	37.9		ng/L		95	60 - 135
NEtFOSAA	40.0	36.6		ng/L		92	60 - 135
NMeFOSE	40.0	37.4		ng/L		93	60 - 135
NEtFOSE	40.0	37.1		ng/L		93	60 - 135
4:2 FTS	37.4	34.0		ng/L		91	60 - 135
6:2 FTS	37.9	35.7		ng/L		94	60 - 135
8:2 FTS	38.3	36.0		ng/L		94	60 - 135
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.7	37.9		ng/L		101	60 - 135
HFPO-DA (GenX)	40.0	39.6		ng/L		99	60 - 135
9Cl-PF3ONS	37.3	34.5		ng/L		93	60 - 135
11Cl-PF3OUdS	37.7	35.7		ng/L		95	60 - 135

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*100*		*25 - 150*
13C5 PFPeA	*106*		*25 - 150*
13C2 PFHxA	*99*		*25 - 150*
13C4 PFHpA	*107*		*25 - 150*
13C4 PFOA	*106*		*25 - 150*
13C5 PFNA	*107*		*25 - 150*
13C2 PFDA	*107*		*25 - 150*
13C2 PFUnA	*107*		*25 - 150*
13C2 PFDoA	*106*		*25 - 150*
13C2 PFTeDA	*106*		*25 - 150*
13C3 PFBS	*100*		*25 - 150*
18O2 PFHxS	*103*		*25 - 150*
13C4 PFOS	*105*		*25 - 150*
13C8 FOSA	*99*		*10 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-535207/2-A
Matrix: Water
Analysis Batch: 535535

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 535207

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
d3-NMeFOSAA	104		25 - 150
d5-NEtFOSAA	109		25 - 150
d-N-MeFOSA-M	86		10 - 150
d-N-EtFOSA-M	86		10 - 150
d7-N-MeFOSE-M	96		10 - 150
d9-N-EtFOSE-M	99		10 - 150
M2-4:2 FTS	131		25 - 150
M2-6:2 FTS	126		25 - 150
M2-8:2 FTS	124		25 - 150
13C3 HFPO-DA	105		25 - 150
13C2 10:2 FTS	120		25 - 150

Lab Sample ID: 500-206977-33 MS
Matrix: Water
Analysis Batch: 535535

Client Sample ID: MW-8
Prep Type: Total/NA
Prep Batch: 535207

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorobutanoic acid (PFBA)	<2.2		36.9	37.9		ng/L		103	70 - 130
Perfluoropentanoic acid (PFPeA)	<0.46		36.9	35.1		ng/L		95	70 - 130
Perfluorohexanoic acid (PFHxA)	<0.54		36.9	34.7		ng/L		94	70 - 130
Perfluoroheptanoic acid (PFHpA)	<0.23		36.9	37.7		ng/L		102	70 - 130
Perfluorooctanoic acid (PFOA)	2.3		36.9	37.1		ng/L		94	70 - 130
Perfluorononanoic acid (PFNA)	<0.25		36.9	36.9		ng/L		100	70 - 130
Perfluorodecanoic acid (PFDA)	<0.29		36.9	36.9		ng/L		100	70 - 130
Perfluoroundecanoic acid (PFUnA)	<1.0		36.9	37.8		ng/L		102	70 - 130
Perfluorododecanoic acid (PFDoA)	<0.51		36.9	37.0		ng/L		100	70 - 130
Perfluorotridecanoic acid (PFTrDA)	<1.2		36.9	38.0		ng/L		103	70 - 130
Perfluorotetradecanoic acid (PFTeA)	<0.68		36.9	34.7		ng/L		94	70 - 130
Perfluorobutanesulfonic acid (PFBS)	1.0	J	32.6	32.7		ng/L		97	70 - 130
Perfluoropentanesulfonic acid (PFPeS)	<0.28		34.6	32.9		ng/L		95	70 - 130
Perfluorohexanesulfonic acid (PFHxS)	4.9		33.6	35.9		ng/L		92	70 - 130
Perfluoroheptanesulfonic Acid (PFHpS)	<0.18		35.1	33.2		ng/L		94	70 - 130
Perfluorooctanesulfonic acid (PFOS)	1.5	J	34.3	34.0		ng/L		95	70 - 130
Perfluorononanesulfonic acid (PFNS)	<0.35		35.4	33.3		ng/L		94	70 - 130
Perfluorodecanesulfonic acid (PFDS)	<0.30		35.6	31.6		ng/L		89	70 - 130
Perfluorododecanesulfonic acid (PFDoS)	<0.90		35.7	28.6		ng/L		80	70 - 130
Perfluorooctanesulfonamide (FOSA)	<0.91		36.9	37.3		ng/L		101	70 - 130
NEtFOSA	<0.81		36.9	33.6		ng/L		91	70 - 130
NMeFOSA	<0.40		36.9	40.0		ng/L		108	70 - 130

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 500-206977-33 MS
Matrix: Water
Analysis Batch: 535535

Client Sample ID: MW-8
Prep Type: Total/NA
Prep Batch: 535207

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
NMeFOSAA	<1.1		36.9	33.3		ng/L		90	70 - 130
NEtFOSAA	<1.2		36.9	39.3		ng/L		106	70 - 130
NMeFOSE	<1.3		36.9	35.3		ng/L		96	70 - 130
NEtFOSE	<0.79		36.9	34.9		ng/L		95	70 - 130
4:2 FTS	<0.22		34.5	35.9		ng/L		104	70 - 130
6:2 FTS	<2.3		35.0	36.0		ng/L		103	70 - 130
8:2 FTS	<0.43		35.4	33.5		ng/L		95	70 - 130
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.37		34.8	37.4		ng/L		108	70 - 130
HFPO-DA (GenX)	<1.4		36.9	37.5		ng/L		102	70 - 130
9Cl-PF3ONS	<0.22		34.4	34.0		ng/L		99	70 - 130
11Cl-PF3OUdS	<0.30		34.8	31.7		ng/L		91	70 - 130

Isotope Dilution	*MS %Recovery*	*MS Qualifier*	*Limits*
13C4 PFBA	*93*		*25 - 150*
13C5 PFPeA	*106*		*25 - 150*
13C2 PFHxA	*99*		*25 - 150*
13C4 PFHpA	*96*		*25 - 150*
13C4 PFOA	*102*		*25 - 150*
13C5 PFNA	*103*		*25 - 150*
13C2 PFDA	*98*		*25 - 150*
13C2 PFUnA	*96*		*25 - 150*
13C2 PFDoA	*93*		*25 - 150*
13C2 PFTeDA	*95*		*25 - 150*
13C3 PFBS	*93*		*25 - 150*
18O2 PFHxS	*90*		*25 - 150*
13C4 PFOS	*92*		*25 - 150*
13C8 FOSA	*90*		*10 - 150*
d3-NMeFOSAA	*93*		*25 - 150*
d5-NEtFOSAA	*91*		*25 - 150*
d-N-MeFOSA-M	*81*		*10 - 150*
d-N-EtFOSA-M	*76*		*10 - 150*
d7-N-MeFOSE-M	*87*		*10 - 150*
d9-N-EtFOSE-M	*89*		*10 - 150*
M2-4:2 FTS	*114*		*25 - 150*
M2-6:2 FTS	*109*		*25 - 150*
M2-8:2 FTS	*111*		*25 - 150*
13C3 HFPO-DA	*98*		*25 - 150*
13C2 10:2 FTS	*105*		*25 - 150*

Lab Sample ID: 500-206977-33 MSD
Matrix: Water
Analysis Batch: 535535

Client Sample ID: MW-8
Prep Type: Total/NA
Prep Batch: 535207

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	<2.2		38.2	38.0		ng/L		99	70 - 130	0	30
Perfluoropentanoic acid (PFPeA)	<0.46		38.2	34.7		ng/L		91	70 - 130	1	30
Perfluorohexanoic acid (PFHxA)	<0.54		38.2	36.9		ng/L		96	70 - 130	6	30
Perfluoroheptanoic acid (PFHpA)	<0.23		38.2	40.4		ng/L		106	70 - 130	7	30

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 500-206977-33 MSD
Matrix: Water
Analysis Batch: 535535

Client Sample ID: MW-8
Prep Type: Total/NA
Prep Batch: 535207

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorooctanoic acid (PFOA)	2.3		38.2	38.5		ng/L		95	70 - 130	4	30
Perfluorononanoic acid (PFNA)	<0.25		38.2	38.4		ng/L		100	70 - 130	4	30
Perfluorodecanoic acid (PFDA)	<0.29		38.2	35.4		ng/L		93	70 - 130	4	30
Perfluoroundecanoic acid (PFUnA)	<1.0		38.2	37.1		ng/L		97	70 - 130	2	30
Perfluorododecanoic acid (PFDoA)	<0.51		38.2	36.5		ng/L		95	70 - 130	1	30
Perfluorotridecanoic acid (PFTrDA)	<1.2		38.2	40.6		ng/L		106	70 - 130	7	30
Perfluorotetradecanoic acid (PFTeA)	<0.68		38.2	36.8		ng/L		96	70 - 130	6	30
Perfluorobutanesulfonic acid (PFBS)	1.0	J	33.8	32.1		ng/L		92	70 - 130	2	30
Perfluoropentanesulfonic acid (PFPeS)	<0.28		35.9	34.1		ng/L		95	70 - 130	4	30
Perfluorohexanesulfonic acid (PFHxS)	4.9		34.8	36.1		ng/L		90	70 - 130	1	30
Perfluoroheptanesulfonic Acid (PFHpS)	<0.18		36.4	33.6		ng/L		92	70 - 130	1	30
Perfluorooctanesulfonic acid (PFOS)	1.5	J	35.5	33.6		ng/L		90	70 - 130	1	30
Perfluorononanesulfonic acid (PFNS)	<0.35		36.7	32.0		ng/L		87	70 - 130	4	30
Perfluorodecanesulfonic acid (PFDS)	<0.30		36.9	33.3		ng/L		90	70 - 130	5	30
Perfluorododecanesulfonic acid (PFDoS)	<0.90		37.0	27.9		ng/L		75	70 - 130	2	30
Perfluorooctanesulfonamide (FOSA)	<0.91		38.2	37.5		ng/L		98	70 - 130	0	30
NEtFOSA	<0.81		38.2	35.3		ng/L		92	70 - 130	5	30
NMeFOSA	<0.40		38.2	37.5		ng/L		98	70 - 130	6	30
NMeFOSAA	<1.1		38.2	38.3		ng/L		100	70 - 130	14	30
NEtFOSAA	<1.2		38.2	38.1		ng/L		100	70 - 130	3	30
NMeFOSE	<1.3		38.2	37.3		ng/L		97	70 - 130	5	30
NEtFOSE	<0.79		38.2	37.2		ng/L		97	70 - 130	6	30
4:2 FTS	<0.22		35.7	34.2		ng/L		96	70 - 130	5	30
6:2 FTS	<2.3		36.3	35.3		ng/L		97	70 - 130	2	30
8:2 FTS	<0.43		36.6	33.9		ng/L		93	70 - 130	1	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.37		36.0	37.9		ng/L		105	70 - 130	1	30
HFPO-DA (GenX)	<1.4		38.2	40.8		ng/L		107	70 - 130	9	30
9Cl-PF3ONS	<0.22		35.6	33.4		ng/L		94	70 - 130	2	30
11Cl-PF3OUdS	<0.30		36.0	32.2		ng/L		89	70 - 130	2	30

Isotope Dilution	*MSD %Recovery*	*MSD Qualifier*	*Limits*
13C4 PFBA	*89*		*25 - 150*
13C5 PFPeA	*101*		*25 - 150*
13C2 PFHxA	*99*		*25 - 150*
13C4 PFHpA	*94*		*25 - 150*
13C4 PFOA	*101*		*25 - 150*
13C5 PFNA	*101*		*25 - 150*
13C2 PFDA	*96*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 500-206977-33 MSD
Matrix: Water
Analysis Batch: 535535

Client Sample ID: MW-8
Prep Type: Total/NA
Prep Batch: 535207

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
13C2 PFUnA	97		25 - 150
13C2 PFDoA	90		25 - 150
13C2 PFTeDA	93		25 - 150
13C3 PFBS	94		25 - 150
18O2 PFHxS	93		25 - 150
13C4 PFOS	97		25 - 150
13C8 FOSA	90		10 - 150
d3-NMeFOSAA	86		25 - 150
d5-NEtFOSAA	85		25 - 150
d-N-MeFOSA-M	84		10 - 150
d-N-EtFOSA-M	83		10 - 150
d7-N-MeFOSE-M	86		10 - 150
d9-N-EtFOSE-M	89		10 - 150
M2-4:2 FTS	113		25 - 150
M2-6:2 FTS	108		25 - 150
M2-8:2 FTS	111		25 - 150
13C3 HFPO-DA	98		25 - 150
13C2 10:2 FTS	96		25 - 150

Lab Sample ID: MB 320-535545/1-A
Matrix: Water
Analysis Batch: 535649

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 535545

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.4		5.0	2.4	ng/L		10/19/21 19:05	10/20/21 12:23	1
Perfluoropentanoic acid (PFPeA)	<0.49		2.0	0.49	ng/L		10/19/21 19:05	10/20/21 12:23	1
Perfluorohexanoic acid (PFHxA)	<0.58		2.0	0.58	ng/L		10/19/21 19:05	10/20/21 12:23	1
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		10/19/21 19:05	10/20/21 12:23	1
Perfluorooctanoic acid (PFOA)	<0.85		2.0	0.85	ng/L		10/19/21 19:05	10/20/21 12:23	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		10/19/21 19:05	10/20/21 12:23	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		10/19/21 19:05	10/20/21 12:23	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		10/19/21 19:05	10/20/21 12:23	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		10/19/21 19:05	10/20/21 12:23	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		10/19/21 19:05	10/20/21 12:23	1
Perfluorotetradecanoic acid (PFTeA)	<0.73		2.0	0.73	ng/L		10/19/21 19:05	10/20/21 12:23	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		10/19/21 19:05	10/20/21 12:23	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		10/19/21 19:05	10/20/21 12:23	1
Perfluorohexanesulfonic acid (PFHxS)	<0.57		2.0	0.57	ng/L		10/19/21 19:05	10/20/21 12:23	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.19		2.0	0.19	ng/L		10/19/21 19:05	10/20/21 12:23	1
Perfluorooctanesulfonic acid (PFOS)	<0.54		2.0	0.54	ng/L		10/19/21 19:05	10/20/21 12:23	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		10/19/21 19:05	10/20/21 12:23	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		10/19/21 19:05	10/20/21 12:23	1
Perfluorododecanesulfonic acid (PFDoS)	<0.97		2.0	0.97	ng/L		10/19/21 19:05	10/20/21 12:23	1
Perfluorooctanesulfonamide (FOSA)	<0.98		2.0	0.98	ng/L		10/19/21 19:05	10/20/21 12:23	1
NEtFOSA	<0.87		2.0	0.87	ng/L		10/19/21 19:05	10/20/21 12:23	1
NMeFOSA	<0.43		2.0	0.43	ng/L		10/19/21 19:05	10/20/21 12:23	1
NMeFOSAA	<1.2		5.0	1.2	ng/L		10/19/21 19:05	10/20/21 12:23	1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: MB 320-535545/1-A
Matrix: Water
Analysis Batch: 535649

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 535545

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
NEtFOSAA	<1.3		5.0	1.3	ng/L		10/19/21 19:05	10/20/21 12:23	1
NMeFOSE	<1.4		4.0	1.4	ng/L		10/19/21 19:05	10/20/21 12:23	1
NEtFOSE	<0.85		2.0	0.85	ng/L		10/19/21 19:05	10/20/21 12:23	1
4:2 FTS	<0.24		2.0	0.24	ng/L		10/19/21 19:05	10/20/21 12:23	1
6:2 FTS	<2.5		5.0	2.5	ng/L		10/19/21 19:05	10/20/21 12:23	1
8:2 FTS	<0.46		2.0	0.46	ng/L		10/19/21 19:05	10/20/21 12:23	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		10/19/21 19:05	10/20/21 12:23	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		10/19/21 19:05	10/20/21 12:23	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		10/19/21 19:05	10/20/21 12:23	1
11Cl-PF3OUdS	<0.32		2.0	0.32	ng/L		10/19/21 19:05	10/20/21 12:23	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*98*		*25 - 150*	*10/19/21 19:05*	*10/20/21 12:23*	*1*
13C5 PFPeA	*98*		*25 - 150*	*10/19/21 19:05*	*10/20/21 12:23*	*1*
13C2 PFHxA	*124*		*25 - 150*	*10/19/21 19:05*	*10/20/21 12:23*	*1*
13C4 PFHpA	*111*		*25 - 150*	*10/19/21 19:05*	*10/20/21 12:23*	*1*
13C4 PFOA	*96*		*25 - 150*	*10/19/21 19:05*	*10/20/21 12:23*	*1*
13C5 PFNA	*103*		*25 - 150*	*10/19/21 19:05*	*10/20/21 12:23*	*1*
13C2 PFDA	*110*		*25 - 150*	*10/19/21 19:05*	*10/20/21 12:23*	*1*
13C2 PFUnA	*113*		*25 - 150*	*10/19/21 19:05*	*10/20/21 12:23*	*1*
13C2 PFDoA	*93*		*25 - 150*	*10/19/21 19:05*	*10/20/21 12:23*	*1*
13C2 PFTeDA	*88*		*25 - 150*	*10/19/21 19:05*	*10/20/21 12:23*	*1*
13C3 PFBS	*109*		*25 - 150*	*10/19/21 19:05*	*10/20/21 12:23*	*1*
18O2 PFHxS	*91*		*25 - 150*	*10/19/21 19:05*	*10/20/21 12:23*	*1*
13C4 PFOS	*91*		*25 - 150*	*10/19/21 19:05*	*10/20/21 12:23*	*1*
13C8 FOSA	*97*		*10 - 150*	*10/19/21 19:05*	*10/20/21 12:23*	*1*
d3-NMeFOSAA	*87*		*25 - 150*	*10/19/21 19:05*	*10/20/21 12:23*	*1*
d5-NEtFOSAA	*85*		*25 - 150*	*10/19/21 19:05*	*10/20/21 12:23*	*1*
d-N-MeFOSA-M	*83*		*10 - 150*	*10/19/21 19:05*	*10/20/21 12:23*	*1*
d-N-EtFOSA-M	*87*		*10 - 150*	*10/19/21 19:05*	*10/20/21 12:23*	*1*
d7-N-MeFOSE-M	*76*		*10 - 150*	*10/19/21 19:05*	*10/20/21 12:23*	*1*
d9-N-EtFOSE-M	*76*		*10 - 150*	*10/19/21 19:05*	*10/20/21 12:23*	*1*
M2-4:2 FTS	*141*		*25 - 150*	*10/19/21 19:05*	*10/20/21 12:23*	*1*
M2-6:2 FTS	*92*		*25 - 150*	*10/19/21 19:05*	*10/20/21 12:23*	*1*
M2-8:2 FTS	*106*		*25 - 150*	*10/19/21 19:05*	*10/20/21 12:23*	*1*
13C3 HFPO-DA	*129*		*25 - 150*	*10/19/21 19:05*	*10/20/21 12:23*	*1*
13C2 10:2 FTS	*104*		*25 - 150*	*10/19/21 19:05*	*10/20/21 12:23*	*1*

Lab Sample ID: LCS 320-535545/2-A
Matrix: Water
Analysis Batch: 535649

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 535545

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorobutanoic acid (PFBA)	40.0	38.2		ng/L		95	60 - 135
Perfluoropentanoic acid (PFPeA)	40.0	40.3		ng/L		101	60 - 135
Perfluorohexanoic acid (PFHxA)	40.0	40.4		ng/L		101	60 - 135
Perfluoroheptanoic acid (PFHpA)	40.0	40.3		ng/L		101	60 - 135
Perfluorooctanoic acid (PFOA)	40.0	39.1		ng/L		98	60 - 135

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-535545/2-A
Matrix: Water
Analysis Batch: 535649

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 535545

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorononanoic acid (PFNA)	40.0	40.3		ng/L		101	60 - 135
Perfluorodecanoic acid (PFDA)	40.0	39.8		ng/L		99	60 - 135
Perfluoroundecanoic acid (PFUnA)	40.0	38.0		ng/L		95	60 - 135
Perfluorododecanoic acid (PFDoA)	40.0	38.5		ng/L		96	60 - 135
Perfluorotridecanoic acid (PFTrDA)	40.0	36.6		ng/L		92	60 - 135
Perfluorotetradecanoic acid (PFTeA)	40.0	39.5		ng/L		99	60 - 135
Perfluorobutanesulfonic acid (PFBS)	35.4	34.8		ng/L		98	60 - 135
Perfluoropentanesulfonic acid (PFPeS)	37.5	41.3		ng/L		110	60 - 135
Perfluorohexanesulfonic acid (PFHxS)	36.4	35.0		ng/L		96	60 - 135
Perfluoroheptanesulfonic Acid (PFHpS)	38.1	33.6		ng/L		88	60 - 135
Perfluorooctanesulfonic acid (PFOS)	37.1	38.4		ng/L		103	60 - 135
Perfluorononanesulfonic acid (PFNS)	38.4	40.9		ng/L		107	60 - 135
Perfluorodecanesulfonic acid (PFDS)	38.6	36.0		ng/L		93	60 - 135
Perfluorododecanesulfonic acid (PFDoS)	38.7	36.0		ng/L		93	60 - 135
Perfluorooctanesulfonamide (FOSA)	40.0	36.9		ng/L		92	60 - 135
NEtFOSA	40.0	39.3		ng/L		98	60 - 135
NMeFOSA	40.0	39.9		ng/L		100	60 - 135
NMeFOSAA	40.0	40.9		ng/L		102	60 - 135
NEtFOSAA	40.0	34.6		ng/L		86	60 - 135
NMeFOSE	40.0	44.5		ng/L		111	60 - 135
NEtFOSE	40.0	41.4		ng/L		103	60 - 135
4:2 FTS	37.4	42.7		ng/L		114	60 - 135
6:2 FTS	37.9	39.4		ng/L		104	60 - 135
8:2 FTS	38.3	38.8		ng/L		101	60 - 135
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.7	34.9		ng/L		93	60 - 135
HFPO-DA (GenX)	40.0	39.1		ng/L		98	60 - 135
9Cl-PF3ONS	37.3	41.0		ng/L		110	60 - 135
11Cl-PF3OUdS	37.7	38.2		ng/L		101	60 - 135

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*91*		*25 - 150*
13C5 PFPeA	*93*		*25 - 150*
13C2 PFHxA	*102*		*25 - 150*
13C4 PFHpA	*94*		*25 - 150*
13C4 PFOA	*94*		*25 - 150*
13C5 PFNA	*88*		*25 - 150*
13C2 PFDA	*105*		*25 - 150*
13C2 PFUnA	*104*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-535545/2-A
Matrix: Water
Analysis Batch: 535649

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 535545

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
13C2 PFDoA	96		25 - 150
13C2 PFTeDA	82		25 - 150
13C3 PFBS	100		25 - 150
18O2 PFHxS	84		25 - 150
13C4 PFOS	92		25 - 150
13C8 FOSA	88		10 - 150
d3-NMeFOSAA	87		25 - 150
d5-NEtFOSAA	90		25 - 150
d-N-MeFOSA-M	87		10 - 150
d-N-EtFOSA-M	81		10 - 150
d7-N-MeFOSE-M	70		10 - 150
d9-N-EtFOSE-M	68		10 - 150
M2-4:2 FTS	104		25 - 150
M2-6:2 FTS	89		25 - 150
M2-8:2 FTS	98		25 - 150
13C3 HFPO-DA	108		25 - 150
13C2 10:2 FTS	101		25 - 150

Lab Sample ID: LCSD 320-535545/3-A
Matrix: Water
Analysis Batch: 535649

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 535545

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)			40.0	39.9		ng/L		100	60 - 135	5	30
Perfluoropentanoic acid (PFPeA)			40.0	37.1		ng/L		93	60 - 135	8	30
Perfluorohexanoic acid (PFHxA)			40.0	36.1		ng/L		90	60 - 135	11	30
Perfluoroheptanoic acid (PFHpA)			40.0	39.8		ng/L		100	60 - 135	1	30
Perfluorooctanoic acid (PFOA)			40.0	38.2		ng/L		95	60 - 135	2	30
Perfluorononanoic acid (PFNA)			40.0	39.1		ng/L		98	60 - 135	3	30
Perfluorodecanoic acid (PFDA)			40.0	40.3		ng/L		101	60 - 135	1	30
Perfluoroundecanoic acid (PFUnA)			40.0	37.4		ng/L		93	60 - 135	2	30
Perfluorododecanoic acid (PFDoA)			40.0	39.9		ng/L		100	60 - 135	4	30
Perfluorotridecanoic acid (PFTrDA)			40.0	39.9		ng/L		100	60 - 135	9	30
Perfluorotetradecanoic acid (PFTeA)			40.0	37.6		ng/L		94	60 - 135	5	30
Perfluorobutanesulfonic acid (PFBS)			35.4	32.2		ng/L		91	60 - 135	8	30
Perfluoropentanesulfonic acid (PFPeS)			37.5	38.4		ng/L		102	60 - 135	7	30
Perfluorohexanesulfonic acid (PFHxS)			36.4	34.0		ng/L		94	60 - 135	3	30
Perfluoroheptanesulfonic Acid (PFHpS)			38.1	36.7		ng/L		96	60 - 135	9	30
Perfluorooctanesulfonic acid (PFOS)			37.1	38.2		ng/L		103	60 - 135	1	30
Perfluorononanesulfonic acid (PFNS)			38.4	40.4		ng/L		105	60 - 135	1	30
Perfluorodecanesulfonic acid (PFDS)			38.6	37.8		ng/L		98	60 - 135	5	30

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCSD 320-535545/3-A
Matrix: Water
Analysis Batch: 535649

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 535545

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorododecanesulfonic acid (PFDoS)			38.7	36.1		ng/L		93	60 - 135	0	30
Perfluorooctanesulfonamide (FOSA)			40.0	34.4		ng/L		86	60 - 135	7	30
NEtFOSA			40.0	43.5		ng/L		109	60 - 135	10	30
NMeFOSA			40.0	38.8		ng/L		97	60 - 135	3	30
NMeFOSAA			40.0	41.3		ng/L		103	60 - 135	1	30
NEtFOSAA			40.0	37.2		ng/L		93	60 - 135	7	30
NMeFOSE			40.0	44.9		ng/L		112	60 - 135	1	30
NEtFOSE			40.0	41.1		ng/L		103	60 - 135	1	30
4:2 FTS			37.4	44.2		ng/L		118	60 - 135	4	30
6:2 FTS			37.9	37.6		ng/L		99	60 - 135	5	30
8:2 FTS			38.3	35.1		ng/L		92	60 - 135	10	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)			37.7	35.5		ng/L		94	60 - 135	2	30
HFPO-DA (GenX)			40.0	39.6		ng/L		99	60 - 135	1	30
9Cl-PF3ONS			37.3	42.0		ng/L		113	60 - 135	2	30
11Cl-PF3OUdS			37.7	39.8		ng/L		106	60 - 135	4	30

Isotope Dilution	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
13C4 PFBA	*93*		*25 - 150*
13C5 PFPeA	*94*		*25 - 150*
13C2 PFHxA	*117*		*25 - 150*
13C4 PFHpA	*98*		*25 - 150*
13C4 PFOA	*91*		*25 - 150*
13C5 PFNA	*85*		*25 - 150*
13C2 PFDA	*98*		*25 - 150*
13C2 PFUnA	*100*		*25 - 150*
13C2 PFDoA	*89*		*25 - 150*
13C2 PFTeDA	*83*		*25 - 150*
13C3 PFBS	*102*		*25 - 150*
18O2 PFHxS	*89*		*25 - 150*
13C4 PFOS	*88*		*25 - 150*
13C8 FOSA	*91*		*10 - 150*
d3-NMeFOSAA	*85*		*25 - 150*
d5-NEtFOSAA	*84*		*25 - 150*
d-N-MeFOSA-M	*72*		*10 - 150*
d-N-EtFOSA-M	*68*		*10 - 150*
d7-N-MeFOSE-M	*70*		*10 - 150*
d9-N-EtFOSE-M	*68*		*10 - 150*
M2-4:2 FTS	*102*		*25 - 150*
M2-6:2 FTS	*85*		*25 - 150*
M2-8:2 FTS	*101*		*25 - 150*
13C3 HFPO-DA	*106*		*25 - 150*
13C2 10:2 FTS	*91*		*25 - 150*

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MB 500-624719/1-A
Matrix: Water
Analysis Batch: 624927

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 624719

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.23		1.0	0.23	ug/L		10/21/21 09:54	10/21/21 17:50	1
Barium	<0.73		2.5	0.73	ug/L		10/21/21 09:54	10/21/21 17:50	1
Cadmium	<0.17		0.50	0.17	ug/L		10/21/21 09:54	10/21/21 17:50	1
Chromium	<1.1		5.0	1.1	ug/L		10/21/21 09:54	10/21/21 17:50	1
Lead	<0.19		0.50	0.19	ug/L		10/21/21 09:54	10/21/21 17:50	1
Selenium	<0.98		2.5	0.98	ug/L		10/21/21 09:54	10/21/21 17:50	1
Silver	<0.12		0.50	0.12	ug/L		10/21/21 09:54	10/21/21 17:50	1

Lab Sample ID: LCS 500-624719/2-A
Matrix: Water
Analysis Batch: 624927

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 624719

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	100	101		ug/L		101	80 - 120
Barium	500	527		ug/L		105	80 - 120
Cadmium	50.0	50.6		ug/L		101	80 - 120
Chromium	200	208		ug/L		104	80 - 120
Lead	100	105		ug/L		105	80 - 120
Selenium	100	102		ug/L		102	80 - 120
Silver	50.0	52.7		ug/L		105	80 - 120

Lab Sample ID: MB 500-624930/1-A
Matrix: Water
Analysis Batch: 625440

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 624930

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.23		1.0	0.23	ug/L		10/22/21 09:55	10/25/21 15:44	1
Barium	<0.73		2.5	0.73	ug/L		10/22/21 09:55	10/25/21 15:44	1
Cadmium	<0.17		0.50	0.17	ug/L		10/22/21 09:55	10/25/21 15:44	1
Chromium	<1.1		5.0	1.1	ug/L		10/22/21 09:55	10/25/21 15:44	1
Lead	<0.19		0.50	0.19	ug/L		10/22/21 09:55	10/25/21 15:44	1
Selenium	<0.98		2.5	0.98	ug/L		10/22/21 09:55	10/25/21 15:44	1
Silver	<0.12		0.50	0.12	ug/L		10/22/21 09:55	10/25/21 15:44	1

Lab Sample ID: LCS 500-624930/2-A
Matrix: Water
Analysis Batch: 625440

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 624930

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	100	104		ug/L		104	80 - 120
Barium	500	493		ug/L		99	80 - 120
Cadmium	50.0	50.9		ug/L		102	80 - 120
Chromium	200	210		ug/L		105	80 - 120
Lead	100	101		ug/L		101	80 - 120
Selenium	100	107		ug/L		107	80 - 120
Silver	50.0	52.8		ug/L		106	80 - 120

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: 500-206977-1 MS
Matrix: Water
Analysis Batch: 624927

Client Sample ID: B-5
Prep Type: Dissolved
Prep Batch: 624719

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	0.51	J	100	104		ug/L		103	75 - 125
Barium	73		500	591		ug/L		104	75 - 125
Cadmium	<0.17		50.0	50.1		ug/L		100	75 - 125
Chromium	<1.1		200	203		ug/L		102	75 - 125
Lead	<0.19		100	106		ug/L		106	75 - 125
Selenium	<0.98		100	103		ug/L		103	75 - 125
Silver	<0.12		50.0	52.4		ug/L		105	75 - 125

Lab Sample ID: 500-206977-1 MSD
Matrix: Water
Analysis Batch: 624927

Client Sample ID: B-5
Prep Type: Dissolved
Prep Batch: 624719

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	0.51	J	100	102		ug/L		101	75 - 125	2	20
Barium	73		500	582		ug/L		102	75 - 125	2	20
Cadmium	<0.17		50.0	49.7		ug/L		99	75 - 125	1	20
Chromium	<1.1		200	198		ug/L		99	75 - 125	3	20
Lead	<0.19		100	103		ug/L		103	75 - 125	2	20
Selenium	<0.98		100	102		ug/L		102	75 - 125	2	20
Silver	<0.12		50.0	51.7		ug/L		103	75 - 125	1	20

Lab Sample ID: 500-206977-1 DU
Matrix: Water
Analysis Batch: 624927

Client Sample ID: B-5
Prep Type: Dissolved
Prep Batch: 624719

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Arsenic	0.51	J	0.581	J	ug/L		13	20
Barium	73		74.6		ug/L		2	20
Cadmium	<0.17		<0.17		ug/L		NC	20
Chromium	<1.1		<1.1		ug/L		NC	20
Lead	<0.19		<0.19		ug/L		NC	20
Selenium	<0.98		<0.98		ug/L		NC	20
Silver	<0.12		<0.12		ug/L		NC	20

Lab Sample ID: 500-206977-33 MS
Matrix: Water
Analysis Batch: 625440

Client Sample ID: MW-8
Prep Type: Dissolved
Prep Batch: 624930

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	1.1		100	103		ug/L		102	75 - 125

Lab Sample ID: 500-206977-33 MSD
Matrix: Water
Analysis Batch: 625440

Client Sample ID: MW-8
Prep Type: Dissolved
Prep Batch: 624930

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Barium	110		500	615		ug/L		101	75 - 125	3	20
Cadmium	<0.17		50.0	50.6		ug/L		101	75 - 125	0	20
Chromium	<1.1		200	212		ug/L		106	75 - 125	3	20

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: 500-206977-33 MSD
Matrix: Water
Analysis Batch: 625440

Client Sample ID: MW-8
Prep Type: Dissolved
Prep Batch: 624930

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	<0.19		100	104		ug/L		104	75 - 125	1	20
Selenium	<0.98		100	105		ug/L		105	75 - 125	3	20
Silver	<0.12		50.0	50.3		ug/L		101	75 - 125	1	20

Lab Sample ID: 500-206977-33 DU
Matrix: Water
Analysis Batch: 625440

Client Sample ID: MW-8
Prep Type: Dissolved
Prep Batch: 624930

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Arsenic	1.1		1.19		ug/L		12	20
Barium	110		106		ug/L		2	20
Cadmium	<0.17		<0.17		ug/L		NC	20
Chromium	<1.1		<1.1		ug/L		NC	20
Lead	<0.19		<0.19		ug/L		NC	20
Selenium	<0.98		<0.98		ug/L		NC	20
Silver	<0.12		<0.12		ug/L		NC	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 500-624941/12-A
Matrix: Water
Analysis Batch: 625242

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 624941

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.098		0.20	0.098	ug/L		10/22/21 10:25	10/25/21 07:43	1

Lab Sample ID: LCS 500-624941/13-A
Matrix: Water
Analysis Batch: 625242

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 624941

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	2.00	1.82		ug/L		91	80 - 120

Lab Sample ID: MB 500-625237/12-A
Matrix: Water
Analysis Batch: 625457

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 625237

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.098		0.20	0.098	ug/L		10/25/21 10:05	10/26/21 07:10	1

Lab Sample ID: LCS 500-625237/13-A
Matrix: Water
Analysis Batch: 625457

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 625237

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	2.00	1.88		ug/L		94	80 - 120

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: 500-206977-28 MS
Matrix: Water
Analysis Batch: 625457

Client Sample ID: EB-02
Prep Type: Dissolved
Prep Batch: 625237

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury	<0.098		1.00	0.977		ug/L		98	75 - 125		

Lab Sample ID: 500-206977-28 MSD
Matrix: Water
Analysis Batch: 625457

Client Sample ID: EB-02
Prep Type: Dissolved
Prep Batch: 625237

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	<0.098		1.00	0.990		ug/L		99	75 - 125	1	20

Lab Sample ID: 500-206977-28 DU
Matrix: Water
Analysis Batch: 625457

Client Sample ID: EB-02
Prep Type: Dissolved
Prep Batch: 625237

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	<0.098		<0.098		ug/L		NC	20

Lab Chronicle

Client: Ramboll US Corporation
Project/Site: Former Mirro 20 - Chilton 1690019558

Job ID: 500-206977-1

Client Sample ID: B-5
Date Collected: 10/13/21 10:01
Date Received: 10/16/21 11:30

Lab Sample ID: 500-206977-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	625612	10/27/21 12:18	STW	TAL CHI
Total/NA	Prep	3535			535204	10/19/21 04:55	EG	TAL SAC
Total/NA	Analysis	537 (modified)		1	535532	10/19/21 22:27	D1R	TAL SAC
Dissolved	Prep	3005A			624719	10/21/21 09:54	BDE	TAL CHI
Dissolved	Analysis	6020A		1	624927	10/21/21 17:57	FXG	TAL CHI

Client Sample ID: B-6
Date Collected: 10/13/21 10:55
Date Received: 10/16/21 11:30

Lab Sample ID: 500-206977-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	625612	10/27/21 12:47	STW	TAL CHI
Total/NA	Prep	3535			535204	10/19/21 04:55	EG	TAL SAC
Total/NA	Analysis	537 (modified)		1	535532	10/19/21 22:37	D1R	TAL SAC
Dissolved	Prep	3005A			624719	10/21/21 09:54	BDE	TAL CHI
Dissolved	Analysis	6020A		1	624927	10/21/21 18:14	FXG	TAL CHI

Client Sample ID: B-11
Date Collected: 10/13/21 11:31
Date Received: 10/16/21 11:30

Lab Sample ID: 500-206977-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	625549	10/27/21 03:26	JDD	TAL CHI
Total/NA	Prep	3535			535204	10/19/21 04:55	EG	TAL SAC
Total/NA	Analysis	537 (modified)		1	535532	10/19/21 22:47	D1R	TAL SAC
Dissolved	Prep	3005A			624719	10/21/21 09:54	BDE	TAL CHI
Dissolved	Analysis	6020A		1	624927	10/21/21 18:18	FXG	TAL CHI

Client Sample ID: MW-11
Date Collected: 10/13/21 13:18
Date Received: 10/16/21 11:30

Lab Sample ID: 500-206977-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	625549	10/27/21 03:48	JDD	TAL CHI
Total/NA	Prep	3510C			623952	10/18/21 06:31	FRG	TAL CHI
Total/NA	Analysis	8270D		1	624520	10/20/21 17:15	SS	TAL CHI
Total/NA	Prep	3535			535204	10/19/21 04:55	EG	TAL SAC
Total/NA	Analysis	537 (modified)		1	535532	10/19/21 22:57	D1R	TAL SAC
Dissolved	Prep	3005A			624719	10/21/21 09:54	BDE	TAL CHI
Dissolved	Analysis	6020A		1	624927	10/21/21 18:21	FXG	TAL CHI
Dissolved	Prep	7470A			624941	10/22/21 10:25	MJG	TAL CHI
Dissolved	Analysis	7470A		1	625242	10/25/21 08:34	MJG	TAL CHI

Lab Chronicle

Client: Ramboll US Corporation
Project/Site: Former Mirro 20 - Chilton 1690019558

Job ID: 500-206977-1

Client Sample ID: MW-12

Lab Sample ID: 500-206977-5

Date Collected: 10/13/21 14:07
Matrix: Water
Date Received: 10/16/21 11:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	625549	10/27/21 04:10	JDD	TAL CHI
Total/NA	Prep	3510C			623952	10/18/21 06:31	FRG	TAL CHI
Total/NA	Analysis	8270D		1	624520	10/20/21 17:39	SS	TAL CHI
Total/NA	Prep	3535			535204	10/19/21 04:55	EG	TAL SAC
Total/NA	Analysis	537 (modified)		1	535532	10/19/21 23:07	D1R	TAL SAC
Dissolved	Prep	3005A			624719	10/21/21 09:54	BDE	TAL CHI
Dissolved	Analysis	6020A		1	624927	10/21/21 18:32	FXG	TAL CHI
Dissolved	Prep	7470A			624941	10/22/21 10:25	MJG	TAL CHI
Dissolved	Analysis	7470A		1	625242	10/25/21 08:36	MJG	TAL CHI

Client Sample ID: PZ-12

Lab Sample ID: 500-206977-6

Date Collected: 10/13/21 15:20
Matrix: Water
Date Received: 10/16/21 11:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	625549	10/27/21 04:32	JDD	TAL CHI
Total/NA	Prep	3510C			623952	10/18/21 06:31	FRG	TAL CHI
Total/NA	Analysis	8270D		1	624520	10/20/21 18:03	SS	TAL CHI
Total/NA	Prep	3535			535204	10/19/21 04:55	EG	TAL SAC
Total/NA	Analysis	537 (modified)		1	535532	10/19/21 23:17	D1R	TAL SAC
Dissolved	Prep	3005A			624719	10/21/21 09:54	BDE	TAL CHI
Dissolved	Analysis	6020A		1	624927	10/21/21 18:35	FXG	TAL CHI
Dissolved	Prep	7470A			624941	10/22/21 10:25	MJG	TAL CHI
Dissolved	Analysis	7470A		1	625242	10/25/21 08:39	MJG	TAL CHI

Client Sample ID: PZ-12 DUP

Lab Sample ID: 500-206977-7

Date Collected: 10/13/21 15:20
Matrix: Water
Date Received: 10/16/21 11:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	625549	10/27/21 04:54	JDD	TAL CHI
Total/NA	Prep	3510C			623952	10/18/21 06:31	FRG	TAL CHI
Total/NA	Analysis	8270D		1	624520	10/20/21 18:27	SS	TAL CHI
Total/NA	Prep	3535			535204	10/19/21 04:55	EG	TAL SAC
Total/NA	Analysis	537 (modified)		1	535532	10/19/21 23:27	D1R	TAL SAC
Dissolved	Prep	3005A			624719	10/21/21 09:54	BDE	TAL CHI
Dissolved	Analysis	6020A		1	624927	10/21/21 18:38	FXG	TAL CHI
Dissolved	Prep	7470A			624941	10/22/21 10:25	MJG	TAL CHI
Dissolved	Analysis	7470A		1	625242	10/25/21 08:41	MJG	TAL CHI

Lab Chronicle

Client: Ramboll US Corporation
Project/Site: Former Mirro 20 - Chilton 1690019558

Job ID: 500-206977-1

Client Sample ID: FB-01
Date Collected: 10/13/21 16:15
Date Received: 10/16/21 11:30

Lab Sample ID: 500-206977-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			535207	10/19/21 05:09	HK	TAL SAC
Total/NA	Analysis	537 (modified)		1	535535	10/20/21 04:00	K1S	TAL SAC

Client Sample ID: EB-01
Date Collected: 10/13/21 16:30
Date Received: 10/16/21 11:30

Lab Sample ID: 500-206977-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	625549	10/27/21 05:16	JDD	TAL CHI
Total/NA	Prep	3510C			623952	10/18/21 06:31	FRG	TAL CHI
Total/NA	Analysis	8270D		1	624520	10/20/21 18:51	SS	TAL CHI
Total/NA	Prep	3535			535207	10/19/21 05:09	HK	TAL SAC
Total/NA	Analysis	537 (modified)		1	535535	10/20/21 04:11	K1S	TAL SAC
Dissolved	Prep	3005A			624719	10/21/21 09:54	BDE	TAL CHI
Dissolved	Analysis	6020A		1	624927	10/21/21 18:42	FXG	TAL CHI
Dissolved	Prep	7470A			624941	10/22/21 10:25	MJG	TAL CHI
Dissolved	Analysis	7470A		1	625242	10/25/21 08:43	MJG	TAL CHI

Client Sample ID: MW-1
Date Collected: 10/14/21 09:35
Date Received: 10/16/21 11:30

Lab Sample ID: 500-206977-10
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	625549	10/27/21 05:38	JDD	TAL CHI
Total/NA	Prep	3535			535204	10/19/21 04:55	EG	TAL SAC
Total/NA	Analysis	537 (modified)		1	535532	10/20/21 00:08	D1R	TAL SAC
Dissolved	Prep	3005A			624719	10/21/21 09:54	BDE	TAL CHI
Dissolved	Analysis	6020A		1	624927	10/21/21 18:45	FXG	TAL CHI

Client Sample ID: MW-2
Date Collected: 10/14/21 10:15
Date Received: 10/16/21 11:30

Lab Sample ID: 500-206977-11
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	625612	10/27/21 13:16	STW	TAL CHI
Total/NA	Prep	3535			535204	10/19/21 04:55	EG	TAL SAC
Total/NA	Analysis	537 (modified)		1	535532	10/20/21 00:18	D1R	TAL SAC
Dissolved	Prep	3005A			624719	10/21/21 09:54	BDE	TAL CHI
Dissolved	Analysis	6020A		1	624927	10/21/21 18:49	FXG	TAL CHI

Lab Chronicle

Client: Ramboll US Corporation
Job ID: 500-206977-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: PZ-10
Lab Sample ID: 500-206977-12
Date Collected: 10/14/21 11:05
Matrix: Water
Date Received: 10/16/21 11:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	625612	10/27/21 14:13	STW	TAL CHI
Total/NA	Prep	3535			535204	10/19/21 04:55	EG	TAL SAC
Total/NA	Analysis	537 (modified)		1	535532	10/20/21 00:28	D1R	TAL SAC
Dissolved	Prep	3005A			624719	10/21/21 09:54	BDE	TAL CHI
Dissolved	Analysis	6020A		1	624927	10/21/21 18:52	FXG	TAL CHI

Client Sample ID: MW-10
Lab Sample ID: 500-206977-13
Date Collected: 10/14/21 11:55
Matrix: Water
Date Received: 10/16/21 11:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	625612	10/27/21 14:42	STW	TAL CHI
Total/NA	Prep	3535			535204	10/19/21 04:55	EG	TAL SAC
Total/NA	Analysis	537 (modified)		1	535532	10/20/21 00:38	D1R	TAL SAC
Dissolved	Prep	3005A			624719	10/21/21 09:54	BDE	TAL CHI
Dissolved	Analysis	6020A		1	624927	10/21/21 18:56	FXG	TAL CHI

Client Sample ID: PZ-5
Lab Sample ID: 500-206977-14
Date Collected: 10/14/21 12:50
Matrix: Water
Date Received: 10/16/21 11:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	625612	10/27/21 15:11	STW	TAL CHI
Total/NA	Prep	3535			535204	10/19/21 04:55	EG	TAL SAC
Total/NA	Analysis	537 (modified)		1	535532	10/20/21 00:48	D1R	TAL SAC
Dissolved	Prep	3005A			624719	10/21/21 09:54	BDE	TAL CHI
Dissolved	Analysis	6020A		1	624927	10/21/21 18:59	FXG	TAL CHI

Client Sample ID: PZ-5 DUP
Lab Sample ID: 500-206977-15
Date Collected: 10/14/21 12:50
Matrix: Water
Date Received: 10/16/21 11:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	625612	10/27/21 15:40	STW	TAL CHI
Total/NA	Prep	3535			535204	10/19/21 04:55	EG	TAL SAC
Total/NA	Analysis	537 (modified)		1	535532	10/20/21 00:58	D1R	TAL SAC
Dissolved	Prep	3005A			624719	10/21/21 09:54	BDE	TAL CHI
Dissolved	Analysis	6020A		1	624927	10/21/21 19:03	FXG	TAL CHI

Client Sample ID: MW-5
Lab Sample ID: 500-206977-16
Date Collected: 10/14/21 13:35
Matrix: Water
Date Received: 10/16/21 11:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	625612	10/27/21 16:08	STW	TAL CHI

Lab Chronicle

Client: Ramboll US Corporation
Project/Site: Former Mirro 20 - Chilton 1690019558

Job ID: 500-206977-1

Client Sample ID: MW-5
Date Collected: 10/14/21 13:35
Date Received: 10/16/21 11:30

Lab Sample ID: 500-206977-16
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			535204	10/19/21 04:55	EG	TAL SAC
Total/NA	Analysis	537 (modified)		1	535532	10/20/21 01:09	D1R	TAL SAC
Dissolved	Prep	3005A			624719	10/21/21 09:54	BDE	TAL CHI
Dissolved	Analysis	6020A		1	624927	10/21/21 19:13	FXG	TAL CHI

Client Sample ID: OMPZ-4
Date Collected: 10/14/21 14:30
Date Received: 10/16/21 11:30

Lab Sample ID: 500-206977-17
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	625612	10/27/21 16:37	STW	TAL CHI
Total/NA	Prep	3535			535204	10/19/21 04:55	EG	TAL SAC
Total/NA	Analysis	537 (modified)		1	535532	10/20/21 01:19	D1R	TAL SAC
Dissolved	Prep	3005A			624719	10/21/21 09:54	BDE	TAL CHI
Dissolved	Analysis	6020A		1	624927	10/21/21 19:16	FXG	TAL CHI

Client Sample ID: FB-03
Date Collected: 10/14/21 15:00
Date Received: 10/16/21 11:30

Lab Sample ID: 500-206977-18
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			535207	10/19/21 05:09	HK	TAL SAC
Total/NA	Analysis	537 (modified)		1	535535	10/20/21 04:21	K1S	TAL SAC

Client Sample ID: EB-03
Date Collected: 10/14/21 15:15
Date Received: 10/16/21 11:30

Lab Sample ID: 500-206977-19
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	625612	10/27/21 17:06	STW	TAL CHI
Total/NA	Prep	3535			535207	10/19/21 05:09	HK	TAL SAC
Total/NA	Analysis	537 (modified)		1	535535	10/20/21 04:31	K1S	TAL SAC
Dissolved	Prep	3005A			624719	10/21/21 09:54	BDE	TAL CHI
Dissolved	Analysis	6020A		1	624927	10/21/21 19:20	FXG	TAL CHI

Client Sample ID: TRIP BLANK
Date Collected: 10/14/21 00:00
Date Received: 10/16/21 11:30

Lab Sample ID: 500-206977-20
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	625612	10/27/21 17:35	STW	TAL CHI

Lab Chronicle

Client: Ramboll US Corporation
Job ID: 500-206977-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: B-5A
Lab Sample ID: 500-206977-21
Date Collected: 10/13/21 10:03
Matrix: Water
Date Received: 10/16/21 11:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	625549	10/27/21 06:00	JDD	TAL CHI
Total/NA	Prep	3535			535204	10/19/21 04:55	EG	TAL SAC
Total/NA	Analysis	537 (modified)		1	535532	10/20/21 01:29	D1R	TAL SAC
Dissolved	Prep	3005A			624719	10/21/21 09:54	BDE	TAL CHI
Dissolved	Analysis	6020A		1	624927	10/21/21 19:23	FXG	TAL CHI

Client Sample ID: B-9
Lab Sample ID: 500-206977-22
Date Collected: 10/13/21 11:00
Matrix: Water
Date Received: 10/16/21 11:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	625549	10/27/21 06:22	JDD	TAL CHI
Total/NA	Prep	3535			535204	10/19/21 04:55	EG	TAL SAC
Total/NA	Analysis	537 (modified)		1	535532	10/20/21 01:39	D1R	TAL SAC
Dissolved	Prep	3005A			624719	10/21/21 09:54	BDE	TAL CHI
Dissolved	Analysis	6020A		1	624927	10/21/21 19:27	FXG	TAL CHI

Client Sample ID: B-12
Lab Sample ID: 500-206977-23
Date Collected: 10/13/21 11:56
Matrix: Water
Date Received: 10/16/21 11:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	625549	10/27/21 06:44	JDD	TAL CHI
Total/NA	Prep	3535			535204	10/19/21 04:55	EG	TAL SAC
Total/NA	Analysis	537 (modified)		1	535532	10/20/21 02:19	D1R	TAL SAC
Dissolved	Prep	3005A			624930	10/22/21 09:55	BDE	TAL CHI
Dissolved	Analysis	6020A		1	625440	10/25/21 16:29	FXG	TAL CHI

Client Sample ID: PZ-13
Lab Sample ID: 500-206977-24
Date Collected: 10/13/21 13:15
Matrix: Water
Date Received: 10/16/21 11:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	625549	10/27/21 07:06	JDD	TAL CHI
Total/NA	Prep	3510C			623952	10/18/21 06:31	FRG	TAL CHI
Total/NA	Analysis	8270D		1	624520	10/20/21 19:15	SS	TAL CHI
Total/NA	Prep	3535			535204	10/19/21 04:55	EG	TAL SAC
Total/NA	Analysis	537 (modified)		1	535532	10/20/21 02:29	D1R	TAL SAC
Dissolved	Prep	3005A			624930	10/22/21 09:55	BDE	TAL CHI
Dissolved	Analysis	6020A		1	625440	10/25/21 16:33	FXG	TAL CHI
Dissolved	Prep	7470A			625237	10/25/21 10:05	MJG	TAL CHI
Dissolved	Analysis	7470A		1	625457	10/26/21 07:14	MJG	TAL CHI

Lab Chronicle

Client: Ramboll US Corporation
Project/Site: Former Mirro 20 - Chilton 1690019558

Job ID: 500-206977-1

Client Sample ID: MW-13

Lab Sample ID: 500-206977-25

Date Collected: 10/13/21 14:24
Matrix: Water
Date Received: 10/16/21 11:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	625549	10/27/21 07:28	JDD	TAL CHI
Total/NA	Analysis	8260B	DL	10	625549	10/27/21 07:49	JDD	TAL CHI
Total/NA	Prep	3510C			623952	10/18/21 06:31	FRG	TAL CHI
Total/NA	Analysis	8270D		1	624520	10/20/21 19:38	SS	TAL CHI
Total/NA	Prep	3535			535204	10/19/21 04:55	EG	TAL SAC
Total/NA	Analysis	537 (modified)		1	535532	10/20/21 02:40	D1R	TAL SAC
Dissolved	Prep	3005A			624930	10/22/21 09:55	BDE	TAL CHI
Dissolved	Analysis	6020A		1	625440	10/25/21 16:36	FXG	TAL CHI
Dissolved	Prep	7470A			625237	10/25/21 10:05	MJG	TAL CHI
Dissolved	Analysis	7470A		1	625457	10/26/21 07:16	MJG	TAL CHI

Client Sample ID: PZ-14

Lab Sample ID: 500-206977-26

Date Collected: 10/13/21 15:17
Matrix: Water
Date Received: 10/16/21 11:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	625549	10/27/21 08:11	JDD	TAL CHI
Total/NA	Prep	3510C			623952	10/18/21 06:31	FRG	TAL CHI
Total/NA	Analysis	8270D		1	624520	10/20/21 20:02	SS	TAL CHI
Total/NA	Prep	3535			535207	10/19/21 05:09	HK	TAL SAC
Total/NA	Analysis	537 (modified)		1	535535	10/20/21 04:41	K1S	TAL SAC
Dissolved	Prep	3005A			624930	10/22/21 09:55	BDE	TAL CHI
Dissolved	Analysis	6020A		1	625440	10/25/21 16:40	FXG	TAL CHI
Dissolved	Prep	7470A			625237	10/25/21 10:05	MJG	TAL CHI
Dissolved	Analysis	7470A		1	625457	10/26/21 07:18	MJG	TAL CHI

Client Sample ID: MW-14

Lab Sample ID: 500-206977-27

Date Collected: 10/13/21 16:07
Matrix: Water
Date Received: 10/16/21 11:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	625549	10/27/21 08:33	JDD	TAL CHI
Total/NA	Prep	3510C			623952	10/18/21 06:31	FRG	TAL CHI
Total/NA	Analysis	8270D		1	624520	10/20/21 20:26	SS	TAL CHI
Total/NA	Prep	3535			535207	10/19/21 05:09	HK	TAL SAC
Total/NA	Analysis	537 (modified)		1	535535	10/20/21 04:51	K1S	TAL SAC
Dissolved	Prep	3005A			624930	10/22/21 09:55	BDE	TAL CHI
Dissolved	Analysis	6020A		1	625440	10/25/21 16:43	FXG	TAL CHI
Dissolved	Prep	7470A			625237	10/25/21 10:05	MJG	TAL CHI
Dissolved	Analysis	7470A		1	625457	10/26/21 07:20	MJG	TAL CHI

Lab Chronicle

Client: Ramboll US Corporation
Project/Site: Former Mirro 20 - Chilton 1690019558

Job ID: 500-206977-1

Client Sample ID: EB-02
Date Collected: 10/13/21 17:00
Date Received: 10/16/21 11:30

Lab Sample ID: 500-206977-28
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	625612	10/27/21 13:45	STW	TAL CHI
Total/NA	Prep	3510C			623952	10/18/21 06:31	FRG	TAL CHI
Total/NA	Analysis	8270D		1	624520	10/20/21 20:50	SS	TAL CHI
Total/NA	Prep	3535			535545	10/19/21 19:05	PV	TAL SAC
Total/NA	Analysis	537 (modified)		1	535649	10/20/21 16:12	RS1	TAL SAC
Dissolved	Prep	3005A			624930	10/22/21 09:55	BDE	TAL CHI
Dissolved	Analysis	6020A		1	625440	10/25/21 16:47	FXG	TAL CHI
Dissolved	Prep	7470A			625237	10/25/21 10:05	MJG	TAL CHI
Dissolved	Analysis	7470A		1	625457	10/26/21 07:22	MJG	TAL CHI

Client Sample ID: FB-02
Date Collected: 10/13/21 17:00
Date Received: 10/16/21 11:30

Lab Sample ID: 500-206977-29
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			535545	10/19/21 19:05	PV	TAL SAC
Total/NA	Analysis	537 (modified)		1	535649	10/20/21 16:54	RS1	TAL SAC

Client Sample ID: MW-9
Date Collected: 10/14/21 10:00
Date Received: 10/16/21 11:30

Lab Sample ID: 500-206977-30
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	625612	10/27/21 18:04	STW	TAL CHI
Total/NA	Prep	3535			535207	10/19/21 05:09	HK	TAL SAC
Total/NA	Analysis	537 (modified)		1	535535	10/20/21 05:01	K1S	TAL SAC
Dissolved	Prep	3005A			624930	10/22/21 09:55	BDE	TAL CHI
Dissolved	Analysis	6020A		1	625440	10/25/21 16:50	FXG	TAL CHI

Client Sample ID: OMPZ-3
Date Collected: 10/14/21 10:55
Date Received: 10/16/21 11:30

Lab Sample ID: 500-206977-31
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	625612	10/27/21 18:32	STW	TAL CHI
Total/NA	Prep	3535			535207	10/19/21 05:09	HK	TAL SAC
Total/NA	Analysis	537 (modified)		1	535535	10/20/21 05:42	K1S	TAL SAC
Dissolved	Prep	3005A			624930	10/22/21 09:55	BDE	TAL CHI
Dissolved	Analysis	6020A		1	625440	10/25/21 16:53	FXG	TAL CHI

Lab Chronicle

Client: Ramboll US Corporation
Job ID: 500-206977-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: PZ-8
Lab Sample ID: 500-206977-32
Date Collected: 10/14/21 12:00
Matrix: Water
Date Received: 10/16/21 11:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	625612	10/27/21 19:30	STW	TAL CHI
Total/NA	Prep	3535			535207	10/19/21 05:09	HK	TAL SAC
Total/NA	Analysis	537 (modified)		1	535535	10/20/21 05:52	K1S	TAL SAC
Dissolved	Prep	3005A			624930	10/22/21 09:55	BDE	TAL CHI
Dissolved	Analysis	6020A		1	625440	10/25/21 16:57	FXG	TAL CHI

Client Sample ID: MW-8
Lab Sample ID: 500-206977-33
Date Collected: 10/14/21 12:50
Matrix: Water
Date Received: 10/16/21 11:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	625612	10/27/21 19:59	STW	TAL CHI
Total/NA	Prep	3535			535207	10/19/21 05:09	HK	TAL SAC
Total/NA	Analysis	537 (modified)		1	535535	10/20/21 06:02	K1S	TAL SAC
Dissolved	Prep	3005A			624930	10/22/21 09:55	BDE	TAL CHI
Dissolved	Analysis	6020A		1	625440	10/25/21 17:07	FXG	TAL CHI

Client Sample ID: PZ-9
Lab Sample ID: 500-206977-34
Date Collected: 10/14/21 14:00
Matrix: Water
Date Received: 10/16/21 11:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	625612	10/27/21 20:57	STW	TAL CHI
Total/NA	Prep	3535			535207	10/19/21 05:09	HK	TAL SAC
Total/NA	Analysis	537 (modified)		1	535535	10/20/21 06:32	K1S	TAL SAC

Client Sample ID: FB-04
Lab Sample ID: 500-206977-35
Date Collected: 10/14/21 15:00
Matrix: Water
Date Received: 10/16/21 11:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			535545	10/19/21 19:05	PV	TAL SAC
Total/NA	Analysis	537 (modified)		1	535649	10/20/21 17:04	RS1	TAL SAC

Client Sample ID: EB-04
Lab Sample ID: 500-206977-36
Date Collected: 10/14/21 15:00
Matrix: Water
Date Received: 10/16/21 11:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	625605	10/27/21 15:22	JDD	TAL CHI
Total/NA	Prep	3535			535545	10/19/21 19:05	PV	TAL SAC
Total/NA	Analysis	537 (modified)		1	535649	10/20/21 17:14	RS1	TAL SAC
Dissolved	Prep	3005A			624930	10/22/21 09:55	BDE	TAL CHI
Dissolved	Analysis	6020A		1	625440	10/25/21 17:28	FXG	TAL CHI

Lab Chronicle

Client: Ramboll US Corporation
Job ID: 500-206977-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Client Sample ID: MW-9 DUP
Lab Sample ID: 500-206977-37
Date Collected: 10/14/21 10:00
Matrix: Water
Date Received: 10/16/21 11:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	625605	10/27/21 15:44	JDD	TAL CHI
Total/NA	Prep	3535			535207	10/19/21 05:09	HK	TAL SAC
Total/NA	Analysis	537 (modified)		1	535535	10/20/21 06:43	K1S	TAL SAC
Dissolved	Prep	3005A			624930	10/22/21 09:55	BDE	TAL CHI
Dissolved	Analysis	6020A		1	625440	10/25/21 17:31	FXG	TAL CHI

Laboratory References:

TAL CHI = Eurofins TestAmerica, Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Accreditation/Certification Summary

Client: Ramboll US Corporation
Job ID: 500-206977-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Laboratory: Eurofins TestAmerica, Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	999580010	08-31-22

Laboratory: Eurofins TestAmerica, Sacramento

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	998204680	08-31-22

Eurofins TestAmerica, Chicago
2417 Bond Street
University Park IL 60484
Phone (708) 534-5200 Phone (708) 534-5211

Chain of Custody Record

eurofins Environment Testing America

LAB REPORT AND INVOICE TO RAMBOLL

Client Information	Sampler: DUNCAN GLASFORD	Lab PM: Fredrick Sandie	Carrier Tracking No(s):	COC No: 500-95543-42272 6
Client Contact: ~~Duncan Glasford~~ SUSAN PETROFSKE	Phone: 262 573 6315	E-Mail: sandra fredrick@eurofinset com	State of Origin: WI	Page: Page 1 of 14
Company: Ramboll US Corporation	PWSID:	Analysis Requested		Job #: 500-206977
Address: 234 W Florida Street Fifth Floor	Due Date Requested:			Preservation Codes: A HCL, B NaOH, C Zn Acetate, D Nitric Acid, E NaHSO4, F MeOH, G Amchlor, H Ascorbic Acid, I Ice, J DI Water, K EDTA, L EDA, M Hexane, N None, O AsNaO2, P Na2O4S, Q Na2SO3, R Na2S2O3, S H2SO4, T TSP Dodecahydrate, U Acetone, V MCAA, W pH 4-5, Z other (specify); Other
City: Milwaukee	TAT Requested (days): STANDARD			
State Zip: WI 53204	Compliance Project: Δ Yes Δ No			
Phone:	PO #: 1690019558			
Email: DGLASFORD@ramboll com / PLINDQUIST@RAMBOLL.COM / SPETROFSKE@Ramboll.com	WO #:			
Project Name: Former Mirro 20 - Chilton 1690019558	Project #: 50019131			
Site:	SSOW#:			

	Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	PFC_IDA_WI - PFAS, Standard List (33 analytes)	8260B - VOC	~~8000A_7470A~~ AS (6020A)	~~8082A_PCB~~ PAH (8270)	RCRA METALS (6020A+7470A)	500-206977 COC	Total Number of containers	Special Instructions/Note
				Preservation Code:				N	A	D	N	D			
1	B-5	10-13-21	1001	G	Water			X	X	X					
2	B-6		1055		Water			X	X	X					
3	B-11		1131		Water			X	X	X					
4	MW-11		1318		Water			X	X		X	X			
5	MW-12		1407		Water			X	X		X	X			
6	PZ-12		1520		Water			X	X		X	X			
7	PZ-12 DUP		1520		Water			X	X		X	X			
8	FB-01		1615		Water			X	~~X~~ G						
9	EB-01		1630		Water			X	X		X	X			
10	MW-1	10-14-21	935		Water			X	X	X					
11	MW-2		1015		Water			X	X	X					

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ 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	Date/Time	Company	Received by	Date/Time	Company
1		10-15-21 940	RAMBOLL		10.15.21 2240	TA
2		10.15.21 1700	TA	Stephanie Hernandez	10/16/21 1130	~~TA~~ ETA-CHI
3						

Custody Seals Intact. Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks
		5.0→4 9, 1.0, 1.9

Eurofins TestAmerica, Chicago
2417 Bond Street
University Park IL 60484
Phone (708) 534-5200 Phone (708) 534-5211

Chain of Custody Record

eurofins Environment Testing America

Client Information	Sampler: DUNCAN GLASFORD	Lab PM: Fredrick Sandie	Carrier Tracking No(s):	COC No: 500-95543-42272 2
Client Contact: ~~Duncan Glasford~~ SUSAN PETROFSKE	Phone: 262 573 6315	E-Mail: sandra fredrick@eurofinset com	State of Origin: WI	Page: Page 2 of 4
Company: Ramboll US Corporation	PWSID:			Job #: 500-206977
Address: 234 W Florida Street Fifth Floor	Due Date Requested:			
City: Milwaukee	TAT Requested (days):			
State Zip: WI 53204	Compliance Project: Δ Yes Δ No			
Phone:	PO #: 1690019558			
Email: DGLASFORD@ramboll com / SPETROFSKE@Ramboll.com / PLINDQUIST@RAMBOLL.COM	WO #:			
Project Name: Former Mirro 20 - Chilton 1690019558	Project #: 50019131			
Site:	SSOW#:			

Analysis Requested

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

	Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	PFC_IDA_WI - PFAS Standard List (33 analytes)	8260B - VOC	~~8260A_7470A~~ As (1020A)	~~8082A - PCB~~	Total Number of containers	Special Instructions/Note
				Preservation Code				N	A	D	N		
12	PZ-10	10-14-21	1405	G	Water			X	X	X			
13	MW-10		1155		Water			X	X	X			
14	PZ-5		1250		Water			X	X	X			
15	PZ-5 DUP		1250		Water			X	X	X			
16	MW-5		1335		Water			X	X	X			
17	OMPZ-4		1430		Water			X	X	X			
18	FB-01		1500		Water			X					
19	EB-01		1575		Water			X	X	X			
20	TRIP BLANK		—	—	Water				X				
21					Water								
SH					Water								
10/11/21													

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ 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	Date/Time	Company	Received by	Date/Time	Company
1		10.15.21 940	RAMBOLL		10.15.21 940	TA
2		10.15.21 1700	TA	Stephanie Hernandez	10/16/21 1130	ETA-CHI
3		Date/Time	Company		Date/Time	Company

Custody Seals Intact. Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks

Eurofins TestAmerica, Chicago
2417 Bond Street
University Park IL 60484
Phone (708) 534-5200 Phone (708) 534-5211

Chain of Custody Record

eurofins Environment Testing America

Client Information	Sampler: Andrea Zecca	Lab PM: Fredrick Sandie	Carrier Tracking No(s)	COC No 500-95543-42272 3
Client Contact: ~~Duncan Glasford~~ Susan Petrofske	Phone 815-666 3873	E-Mail sandra fredrick@eurofinset.com	State of Origin WI	Page Page 3 of ~~10~~ 4
Company: Ramboll US Corporation	PWSID			Job # 500-206977
Address 234 W Florida Street Fifth Floor	Due Date Requested			
City: Milwaukee	TAT Requested (days):			
State Zip WI 53204	Compliance Project: Δ Yes Δ No			
Phone	PO #: 1690019558			
Email DGLASFORD@ramboll.com / ~~SUSAN~~ PETROFSKG@RAMBOLL.com PLINDQUIST@RAMBOLL.com	WO #:			
Project Name Former Mirro 20 - Chilton 1690019558	Project #: 50019131			
Site	SSOW#:			

Analysis Requested

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:

	Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	PFC_IDA_WI - PFAS, Standard List (33 analytes)	8260B - VOC	6020A, ~~7470A~~ AS	~~8082A - PCB~~ PAH (8270)	RCRA METALS (6020A, 7470A)	Total Number of containers	Special Instructions/Note
				Preservation Code		X	X	N	A	D	N	D	X	
21	B-5A	10-13-21	10 03	G	Water			X	X	X				
22	B-9	↓	11.00	↓	Water			X	X	X				
23	B-12	↓	11.56	↓	Water			X	X	X				
24	PZ-13	↓	13 15	↓	Water			X	X		X	X		
25	MW-13	↓	14.24	↓	Water			X	X		X	X		
26	PZ-14	↓	15.17	↓	Water			X	X		X	X		
27	MW-14	↓	16.07	↓	Water			X	X		X	X		
28	EB-02	↓	17.00	↓	Water			X	X		X	X		
29	FB-02	↓	17.00	↓	Water			X	[illegible]					
30	MW-9	10-14-21	10.00	↓	Water			X	X	X				
31	PZ-9	↓	10.55	↓	Water			X	X	X				

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ 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	Date/Time	Company	Received by	Date/Time	Company
[signature]	10-15-21 940	RAMBOLL	[signature]	10-15-21 940	TA
[signature]	10 15-21 1700	TA	Stephanie Hemanay	10/16/21 1130	ETA-CHI

Custody Seals Intact. Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks.

Eurofins TestAmerica, Chicago
2417 Bond Street
University Park IL 60484
Phone (708) 534-5200 Phone (708) 534-5211

Chain of Custody Record

eurofins Environment Testing America

Client Information	Sampler: Andrea Zecca	Lab PM: Fredrick Sandie	Carrier Tracking No(s)	COC No 500-95543-42272 4
Client Contact: ~~Duncan Glasford~~ Susan Petrofske	Phone 815-666-3873	E-Mail sandra fredrick@eurofinset.com	State of Origin WI	Page Page 4 of 14
Company: Ramboll US Corporation	PWSID:			Job #: 500-206977
Address: 234 W Florida Street Fifth Floor	Due Date Requested			
City: Milwaukee	TAT Requested (days).			
State Zip: WI 53204	Compliance Project Δ Yes Δ No			
Phone.	PO #: 1690019558			
Email: DGLASFORD@ramboll.com PLINDQUIST@RAMBOLL.COM / SPETROFSKE@RAMBOLL.COM	WO #:			
Project Name: Former Mirro 20 - Chilton 1690019558	Project #: 50019131			
Site	SSOW#:			

Analysis Requested

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

	Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	PFC_IDA_WI - PFAS, Standard List (33 analytes)	8260B - VOC	6020A, ~~7470A~~ As	~~8082A - PCB~~	Total Number of containers	Special Instructions/Note
				Preservation Code				N	A	D	N		
32	PZ-8	10-14-21	12:00	G	Water			X	X	X			
33	MW-8	↓	12:50	↓	Water			X	X	X			ADDITIONAL VOLUME FOR MS/MSD
34	OMPZ-3	↓	14:00	↓	Water			X	X	X			
35	FB-04	↓	1500	↓	Water		~~X~~	X					
36	EB-04	↓	1500	↓	Water			X	X	X			
37	MW-9 DUP	↓	1000	↓	Water			X	X	X			
					Water								
					Water								
					Water								
					Water								
					Water								

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* ☐ *Poison B* ☐ *Unknown* ☐ *Radiological*

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *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:	Date/Time	Company	Received by:	Date/Time	Company
[signature]	10-15-21	RAMBOLL	[signature]	10 15 21 940	TA
[signature]	10 15 21 1700	TA	Stephanie Hemond	10/16/21 1130	ETA-CH

Custody Seals Intact Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks

4125 N 124TH ST.
SUITE F (REAR)
BROOKFIELD, WI 53005
UNITED STATES US
EUROFINS TESTAMERICA
2417 BOND ST.
UNIVERSITY PARK IL 60484
(262) 202-6965
REF:
DEPT:
FedEx
Express
3 of 4
MPS# 0263 5418 0593 2431
Mstr# 5418 0593 2410
SATURDAY 12:00P
PRIORITY OVERNIGHT
0201
XO JOTA
60484
IL-US ORD

ORIGIN ID:RRLA (262) 202-5955
IAN EVANS
EUROFINS TESTAMERICA
4125 N 124TH ST.
SUITE F (REAR)
BROOKFIELD, WI 53005
UNITED STATES US
SHIP DAT
ACTWGT:
CAD: 02E
BILL REC
500-206977 Wayb
SAMPLE RECEIPT
EUROFINS TESTAMERICA
2417 BOND ST.
UNIVERSITY PARK IL 60484
(262) 202-6956
REF:
DEPT:
FedEx
Express
2 of 4
MPS# 0263 5418 0593 2420
Mstr# 5418 0593 2410
SATURDAY 12:00P
PRIORITY OVERNIGHT
0201
XO JOTA
60484
IL-US ORD

Part # 159469-434 REV EXP 04/22 **
ORIGIN ID:RRLA (262) 202-5955
IAN EVANS
EUROFINS TESTAMERICA
4125 N 124TH ST.
SUITE F (REAR)
BROOKFIELD, WI 53005
UNITED STATES US
SHIP DATE: 15OCT21
ACTWGT: 57.30 LB
CAD: 0269688/CAFE3507
BILL RECIPIENT
TO SAMPLE RECEIPT
EUROFINS TESTAMERICA
2417 BOND ST.
UNIVERSITY PARK IL 60484
(262) 202-5955
INV:
PO:
REF:
DEPT:
FedEx Express
FedEx
1 of 4
TRK# 0201 5418 0593 2410
SATURDAY 12:00P
PRIORITY OVERNIGHT
MASTER
XO JOTA
60484
IL-US ORD

Eurofins TestAmerica, Chicago
2417 Bond Street
University Park, IL 60484
Phone (708) 534-5200 Phone (708) 534-5211

Chain of Custody Record

eurofins Environment Testing America

LAB REPORT AND INVOICE TO RAMBOLL

Client Information	Sampler: DUNCAN GLASFORD	Lab PM: Fredrick, Sandie	Carrier Tracking No(s):	COC No: 500-95543-42272.6
Client Contact: ~~Duncan Glasford~~ SUSAN PETROFSKE	Phone: 262 573 6315	E-Mail: sandra.fredrick@eurofinset.com	State of Origin: WI	Page: Page 1 of 4
Company: Ramboll US Corporation	PWSID:			Job #:
Address: 234 W. Florida Street Fifth Floor	Due Date Requested:			
City: Milwaukee	TAT Requested (days): STANDARD			
State, Zip: WI, 53204	Compliance Project: Δ Yes Δ No			
Phone:	PO #: 1690019558			
Email: DGLASFORD@ramboll.com/SPETROFSKE@Ramboll.com PLINDQUIST@RAMBOLL.COM	WO #:			
Project Name: Former Mirro 20 - Chilton 1690019558	Project #: 50019131			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	PFC_IDA_WI - PFAS, Standard List (33 analytes)	8260B - VOC	~~6020A 7470A~~ AS (6020A)	~~8082A PCB~~ PAH (8270)	RCRA METALS (6020A+7470A)	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	A	D	N	D		
B-5	10-13-21	1601	G	Water			X	X	X				
B-6		1055		Water			X	X	X				
B-11		1131		Water			X	X	X				
MW-11		1318		Water			X	X		X	X		
MW-12		1407		Water			X	X		X	X		
PZ-12		1520		Water			X	X		X	X		
PZ-12 DUP		1520		Water			X	X		X	X		
FB-01		1615		Water			X	~~X~~ G					
EB-01		1630		Water			X	X		X	X		
MW-1	10-14-21	935		Water			X	X	X				
MW-2		1015		Water			X	X	X				

500-206977 Chain of Custody

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	Date/Time	Company	Received by	Date/Time	Company
1		10-15-21 940	RAMBOLL		10.15.21 940	TA
2		10.15.21 1700	TA		10/16/21 935	Eurofins
3						

Custody Seals Intact:	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:
Δ Yes Δ No	160144/160145	1.5

Ver: 01 16 2019

Eurofins TestAmerica, Chicago
2417 Bond Street
University Park, IL 60484
Phone (708) 534-5200 Phone (708) 534-5211

Chain of Custody Record

eurofins Environment Testing America

Client Information	Sampler: DUNCAN GLASFORD	Lab PM: Fredrick, Sandie	Carrier Tracking No(s):	COC No: 500-95543-42272.2
Client Contact: ~~Duncan Glasford~~ SUSAN PETROFSKE	Phone: 262 573 6315	E-Mail: sandra.fredrick@eurofinset.com	State of Origin: WI	Page: Page 2 of 4
Company: Ramboll US Corporation	PWSID:			Job #:
Address: 234 W. Florida Street Fifth Floor	Due Date Requested:			
City: Milwaukee	TAT Requested (days):			
State, Zip: WI, 53204	Compliance Project: Δ Yes Δ No			
Phone:	PO #: 1690019558			
Email: DGLASFORD@ramboll.com / PLINDQUIST@RAMBOLL.COM / SPETROFSKE@RAMBOLL.COM	WO #:			
Project Name: Former Mirro 20 - Chilton 1690019558	Project #: 50019131			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA
M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=wasteoil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	PFC_IDA_WI - PFAS, Standard List (33 analytes)	8260B - VOC	~~8020A, 7470A~~ AS (6020A)	~~8082A - PCB~~	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	N	A	D	N	X	
PZ-10	10-14-21	1105	G	Water			X	X	X			
MW-10	↓	1155	↓	Water			X	X	X			
PZ-5	↓	1250	↓	Water			X	X	X			
PZ-5 DUP	↓	1250	↓	Water			X	X	X			
MW-5	↓	1335	↓	Water			X	X	X			
OMPZ-4	↓	1430	↓	Water			X	X	X			
FB-01	↓	1500	↓	Water			X					
EB-01	↓	1515	↓	Water			X	X	X			
TRIP BLANK	↓	—	—	Water				X				
				Water								
				Water								

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ 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:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	10-15-21 940	RAMBOLL	[signature]	10.15.21 940	TA
[signature]	10.15.21 1700	TA	[signature]	10/16/21 935	EG SAC

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: 1601144 / 1601145 | Cooler Temperature(s) °C and Other Remarks: 6.5

Ver: 01 16 2019

Eurofins TestAmerica, Chicago
2417 Bond Street
University Park, IL 60484
Phone (708) 534-5200 Phone (708) 534-5211

Chain of Custody Record

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Client Information	Sampler: Andrea Zecca	Lab PM: Fredrick, Sandie	Carrier Tracking No(s):	COC No: 500-95543-42272.3
Client Contact: ~~Duncan Glasford~~ Susan Petroske	Phone: 815-6166-3873	E-Mail: sandra.fredrick@eurofinset.com	State of Origin: WI	Page: Page 3 of 4
Company: Ramboll US Corporation	PWSID:	Analysis Requested		Job #:
Address: 234 W. Florida Street Fifth Floor	Due Date Requested:			Preservation Codes: A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
City: Milwaukee	TAT Requested (days):			
State, Zip: WI, 53204	Compliance Project: Δ Yes Δ No			
Phone:	PO #: 1690019558			
Email: DGLASFORD@ramboll.com/SPETROFSKE@RAMBOLL.com	WO #:			Other:
Project Name: Former Mirro 20 - Chilton 1690019558	Project #: 50019131			
Site:	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS (Yes or No)	PFC_IDA_WI - PFAS, Standard List (33 analytes)	8260B - VOC	6020A ~~6010B~~ A5	~~8082A~~ PAH (8270)	PCRA metals (6020A, 7470A)	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	A	D	N	D		
B-5A	10-13-21	10:03	G	Water			X	X	X				
B-9		11:00		Water			X	X	X				
B-12		11:56		Water			X	X	X				
PZ-13		13:15		Water			X	X		X	X		
MW-13		14:24		Water			X	X		X	X		
PZ-14		15:17		Water			X	X		X	X		
MW-14		16:07		Water			X	X		X	X		
EB-02		17:00		Water			X	X		X	X		
FB-02	↓	17:00		Water			X	~~X~~					
MW-9	10-14-21	10:00		Water			X	X	X				
PZ-9	↓	10:55	↓	Water			X	X	X				

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ 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	Date/Time	Company	Received by	Date/Time	Company
1		10.15.21 940	RAMBOLL		10.15.21 940	TA
2		10.15.21 1700	TA		10/16/21 935	Eurofins
3		Date/Time:	Company		Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.: 1601144 / 1601145	Cooler Temperature(s) °C and Other Remarks: 1-5

List 5A DV 10/16/21

Ver: 01/16/2019

Eurofins TestAmerica, Chicago
2417 Bond Street
University Park, IL 60484
Phone (708) 534-5200 Phone (708) 534-5211

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Andrea Zecca	Lab PM: Fredrick, Sandie	Carrier Tracking No(s):	COC No: 500-95543-42272.4
Client Contact: ~~Duncan Glasford~~ Susan Petroske	Phone: 815-666-3873	E-Mail: sandra.fredrick@eurofinset.com	State of Origin: WI	Page: Page 4 of 4
Company: Ramboll US Corporation	PWSID:			Job #:
Address: 234 W. Florida Street Fifth Floor	Due Date Requested:			
City: Milwaukee	TAT Requested (days):			
State, Zip: WI, 53204	Compliance Project: Δ Yes Δ No			
Phone:	PO #: 1690019558			
Email: DGLASFORD@ramboll.com PLINDQUIST@RAMBOLL.com SPETROFSKE@RAMBOLL.com	WO #:			
Project Name: Former Mirro 20 - Chilton 1690019558	Project #: 50019131			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	PFC_IDA_WI - PFAS, Standard List (33 analytes)	8260B - VOC	6020A (~~7470A~~) As	~~8082A - PCB~~	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	A	D	N		
PZ-8	10-14-21	12:00	G	Water			X	X	X			
MW-8		12:50		Water			X	X	X			ADDITIONAL VOLUME FOR MS/MSD
OMPZ-3		14:00		Water			X	X	X			
FB-04		1500		Water			X					
EB-04		1500		Water			X	X	X			
MW-9 DUP		1000		Water			X	X	X			
				Water								
				Water								
				Water								
				Water								
				Water								

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ 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:	Date/Time:	Company	Received by:	Date/Time:	Company
1		10.15.21	RAMBOLL		10.15.21 940	TA
2		10.15.21 1700	TA		10/16/21 935	PEDAC
3						

Custody Seals Intact: Δ Yes Δ No
Custody Seal No.: 160144 / 160145
Cooler Temperature(s) °C and Other Remarks: 1.5

Ver: 01 16 2019

Eurofins TestAmerica, Chicago
2417 Bond Street
University Park, IL 60484
Phone (708) 534-5200 Phone (708) 534-5211

Chain of Custody Record

eurofins Environment Testing America

LAB REPORT AND INVOICE TO RAMBOLL

Client Information	Sampler: DUNCAN GLASFORD	Lab PM: Fredrick, Sandie	Carrier Tracking No(s):	COC No: 500-95543-42272.6
Client Contact: ~~Duncan Glasford~~ SUSAN PETROFSKE	Phone: 262 573 6315	E-Mail: sandra.fredrick@eurofinset.com	State of Origin: WI	Page: Page 1 of 4
Company: Ramboll US Corporation	PWSID:			Job #:
Address: 234 W. Florida Street Fifth Floor	Due Date Requested:			
City: Milwaukee	TAT Requested (days): STANDARD			
State, Zip: WI, 53204	Compliance Project: Δ Yes Δ No			
Phone:	PO #: 1690019558			
Email: DGLASFORD@ramboll.com / PLINDQUIST@RAMBOLL.COM / SPETROFSKE@RAMBOLL.COM	WO #:			
Project Name: Former Mirro 20 - Chilton 1690019558	Project #: 50019131			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA
M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=wasteoil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	PFC_IDA_WI - PFAS, Standard List (33 analytes)	8260B - VOC	~~8260A_7470A~~ AS (6020A)	~~8082A_PCB~~ PAH (8270)	RCRA METALS (6020A+7470A)	Total Number of containers	Special Instructions/Note:
				Preservation Code:	X	X	N	A	D	N	D	X	
B-5	10-13-21	1001	G	Water			X	X	X				
B-6		1055		Water			X	X	X				
B-11		1131		Water			X	X	X				
MW-11		1318		Water			X	X		X	X		
MW-12		1407		Water			X	X		X	X		
PZ-12		1520		Water			X	X		X	X		
PZ-12 DUP		1520		Water			X	X		X	X		
FB-01		1615		Water			X	~~X~~	G				
EB-01		1630		Water			X	X		X	X		
MW-1	10-14-21	935		Water			X	X	X				
MW-2		1015		Water			X	X	X				

500-206977 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ 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: [signature]	Date/Time: 10-15-21 940	Company: RAMBOLL	Received by: [signature] Date/Time: 10.15.21 940 Company: TA
Relinquished by: [signature]	Date/Time: 10.15.21 1700	Company: TA	Received by: [signature] Date/Time: 10/16/21 935 Company: Eurofins
Relinquished by:	Date/Time:	Company:	Received by: Date/Time: Company:

Custody Seals Intact: Δ Yes Δ No
Custody Seal No.: 1601144/1601145
Cooler Temperature(s) °C and Other Remarks: 1.5 ; 2.4

Ver: 01 16 2019

Eurofins TestAmerica, Chicago
2417 Bond Street
University Park, IL 60484
Phone (708) 534-5200 Phone (708) 534-5211

Chain of Custody Record

eurofins Environment Testing America

Client Information	Sampler: DUNCAN GLASFORD	Lab PM: Fredrick, Sandie	Carrier Tracking No(s):	COC No: 500-95543-42272.2
Client Contact: ~~Duncan Glasford~~ SUSAN PETROFSKE	Phone: 262 573 6315	E-Mail: sandra.fredrick@eurofinset.com	State of Origin: WI	Page: Page 2 of 4
Company: Ramboll US Corporation	PWSID:			Job #:
Address: 234 W. Florida Street Fifth Floor	Due Date Requested:			
City: Milwaukee	TAT Requested (days):			
State, Zip: WI, 53204	Compliance Project: Δ Yes Δ No			
Phone:	PO #: 1690019558			
Email: DGLASFORD@ramboll.com / PLINDQUIST@RAMBOLL.COM / SPETROFSKE@RAMBOLL.COM	WO #:			
Project Name: Former Mirro 20 - Chilton 1690019558	Project #: 50019131			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA
M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Yes or No	PFC_IDA_WI - PFAS, Standard List (33 analytes)	8260B - VOC	~~8020A, 7470A~~ AS (6020A)	~~8080A - PCB~~	Total Number of containers	Special Instructions/Note:
				Preservation Code:	X	X	N	A	D	N	X	
PZ-10	10-14-21	1105	G	Water			X	X	X			
MW-10	↓	1155	↓	Water			X	X	X			
PZ-5	↓	1250	↓	Water			X	X	X			
PZ-5 DUP	↓	1250	↓	Water			X	X	X			
MW-5	↓	1335	↓	Water			X	X	X			
OMPZ-4	↓	1430	↓	Water			X	X	X			
FB-01	↓	1500	↓	Water			X					
EB-01	↓	1515	↓	Water			X	X	X			
TRIP BLANK	↓	—	—	Water				X				
				Water								
				Water								

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ 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:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	10-15-21 940	RAMBOLL	[signature]	10.15.21 940	TA
[signature]	10.15.21 1700	TA	[signature]	10/16/21 925	BG-SAC

Custody Seals Intact:	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:
Δ Yes Δ No	1601144 / 1601145	0.5 / 1.4

Ver: 01/16/2019

Eurofins TestAmerica, Chicago
2417 Bond Street
University Park, IL 60484
Phone (708) 534-5200 Phone (708) 534-5211

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Andrea Zecca	Lab PM: Fredrick, Sandie	Carrier Tracking No(s):	COC No: 500-95543-42272.3
Client Contact: ~~Duncan Glasford~~ Susan Petroske	Phone: 815-6166-3873	E-Mail: sandra.fredrick@eurofinset.com	State of Origin: WI	Page: Page 3 of 4
Company: Ramboll US Corporation	PWSID:			Job #:
Address: 234 W. Florida Street Fifth Floor	Due Date Requested:			
City: Milwaukee	TAT Requested (days):			
State, Zip: WI, 53204	Compliance Project: Δ Yes Δ No			
Phone:	PO #: 1690019558			
Email: DGLASFORD@ramboll.com/SPETROSKE@RAMBOLL.com	WO #:			
Project Name: Former Mirro 20 - Chilton 1690019558	Project #: 50019131			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	PFC_IDA_WI - PFAS, Standard List (33 analytes)	8260B - VOC	6020A ~~6010~~ AS	~~8082~~ PAH (8270)	RCRA METALS (6020A, 7470A)	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	A	D	N	O		
B-5A	10-13-21	10:03	G	Water			X	X	X				
B-9		11:00		Water			X	X	X				
B-12		11:56		Water			X	X	X				
PZ-13		13:15		Water			X	X		X	X		
MW-13		14:24		Water			X	X		X	X		
PZ-14		15:17		Water			X	X		X	X		
MW-14		16:07		Water			X	X		X	X		
EB-02		17:00		Water			X	X		X	X		
FB-02		17:00		Water			X	M					
MW-9	10-14-21	10:00		Water			X	X	X				
PZ-9		10:55		Water			X	X	X				

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ 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	Date/Time	Company	Received by	Date/Time	Company
1		10.15.21 940	RAMBOLL		10.15.21 940	TA
2		10.15.21 1700	TA		10/16/21 935	Eurofins
3						

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: 160114 / 160115

Cooler Temperature(s) °C and Other Remarks: 1.5, 2.4

List 5A DV 10/16/21

Ver: 01/16/2019

Eurofins TestAmerica, Chicago
2417 Bond Street
University Park, IL 60484
Phone (708) 534-5200 Phone (708) 534-5211

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Andrea Zecca	Lab PM: Fredrick, Sandie	Carrier Tracking No(s):	COC No: 500-95543-42272.4
Client Contact: ~~Duncan Glasford~~ Susan Petroske	Phone: 815-666-3873	E-Mail: sandra.fredrick@eurofinset.com	State of Origin: WI	Page: Page 4 of ~~4~~ 10
Company: Ramboll US Corporation	PWSID:	Analysis Requested		Job #:
Address: 234 W. Florida Street Fifth Floor	Due Date Requested:			Preservation Codes: A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
City: Milwaukee	TAT Requested (days):			
State, Zip: WI, 53204	Compliance Project: Δ Yes Δ No			
Phone:	PO #: 1690019558			Other:
Email: DGLASFORD@ramboll.com PLINDQUIST@RAMBOLL.com SPETROSKE@RAMBOLL.com	WO #:			
Project Name: Former Mirro 20 - Chilton 1690019558	Project #: 50019131			
Site:	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	PFC_IDA_WI - PFAS, Standard List (33 analytes)	8260B - VOC	6020A/~~6010~~ A5	~~8082A - PCB~~	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	A	D	N		
PZ-8	10-14-21	12:00	G	Water			X	X	X			
MW-8	↓	12:50	↓	Water			X	X	X			ADDITIONAL VOLUME FOR MS/MSD
OMPZ-3	↓	14:00	↓	Water			X	X	X			
FB-04	↓	1500	↓	Water			X					
EB-04	↓	1500	↓	Water			X	X	X			
MW-9 DUP	↓	1000	↓	Water			X	X	X			
				Water								
				Water								
				Water								
				Water								
				Water								

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ 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:	Date/Time:	Company	Received by:	Date/Time:	Company
1		10.15.21	RAMBOLL		10.15.21 940	TA
2		10.15.21 1700	TA		10/16/21 935	EUROFINS
3						

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: 1601144/1601145

Cooler Temperature(s) °C and Other Remarks: 1.5, 2.4

Ver: 01 16 2019

Login Sample Receipt Checklist

Client: Ramboll US Corporation

Job Number: 500-206977-1

Login Number: 206977
List Number: 1
Creator: Hernandez, Stephanie

List Source: Eurofins TestAmerica, Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= 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	4.9,1.0,1.9
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 <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Ramboll US Corporation

Job Number: 500-206977-1

Login Number: 206977
List Number: 2
Creator: Her, David A

List Source: Eurofins TestAmerica, Sacramento
List Creation: 10/16/21 03:02 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	1601144/1601145
Sample custody seals, if present, are intact.	N/A	
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	1.5 C2.4 C
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.	False	Refer to Job Narrative for details.
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.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing TestAmerica

Sacramento
Sample Receiving Notes

500-206977 Field Sheet

Job: _____

Tracking # : 5418 0593 2383

SO / PO / FO / (SAT) / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations.
File in the job folder with the COC.

Therm. ID: 101 Corr. Factor: (+ / -) N/A °C

Ice ✓ Wet ✓ Gel _____ Other _____

Cooler Custody Seal: 1601144 / 1601145

Cooler ID: _____

Temp Observed: 1.3 °C Corrected: 1.5 °C

From: Temp Blank ☐ Sample ☑

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☑	☐
Cooler Temperature is acceptable?	☑	☐	☐
Frozen samples show signs of thaw?	☐	☐	☑

Initials: SO Date: 10/16/21

Unpacking/Labeling The Samples	Yes	No	NA
CoC is complete w/o discrepancies?	☑	☐	☐
Samples compromised/tampered with?	☐	☑	☐
Sample containers have legible labels?	☑	☐	☐
Sample custody seal?	☐	☐	☑
Containers are not broken or leaking?	☑	☐	☐
Sample date/times are provided?	☑	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled?	☑	☑	☐
Sample preservatives verified?	☐	☐	☑
Samples w/o discrepancies?	☐	☑	☐
Zero headspace?*	☐	☐	☑
Alkalinity has no headspace?	☐	☐	☑
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☑
Multiphasic samples are not present?	☑	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: DL Date: 10/16/21

Notes: _____

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☑	☐	☐
Samples received within hold time?	☑	☐	☐
NCM Filed?	☑	☐	☐
Log Release checked in TALS?	☑	☐	☐

Initials: DL Date: 10/16/21

eurofins | Environment Testing TestAmerica

Sacramento Sample Receiving Notes

Place Field Sheet Label Here

Tracking # : 5416 0593 2394

Job: _____

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations.
File in the job folder with the COC.

Therm. ID: L-05 Corr. Factor: (+ / -) _____ °C

Ice X Wet X Gel _____ Other _____

Cooler Custody Seal: 160142

Cooler ID: _____

Temp Observed: 2.4 °C Corrected: 2.1 °C

From: Temp Blank ☐ Sample ☒

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☒	☐
Cooler Temperature is acceptable?	☒	☐	☐
Frozen samples show signs of thaw?	☐	☐	☒

Initials: DV Date: 10/16/21

Unpacking/Labeling The Samples	Yes	No	NA
CoC is complete w/o discrepancies?	☒	☐	☐
Samples compromised/tampered with?	☐	☒	☐
Sample containers have legible labels?	☒	☐	☐
Sample custody seal?	☐	☐	☒
Containers are not broken or leaking?	☒	☐	☐
Sample date/times are provided?	☒	☐	☐
Appropriate containers are used?	☒	☐	☐
Sample bottles are completely filled?	☐	☒	☐
Sample preservatives verified?	☐	☐	☒
Samples w/o discrepancies?	☐	☒	☐
Zero headspace?*	☐	☐	☒
Alkalinity has no headspace?	☐	☐	☒
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☒
Multiphasic samples are not present?	☒	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: DV Date: 10/16/21

Notes: _____

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☒	☐	☐
Samples received within hold time?	☒	☐	☐
NCM Filed?	☐	☐	☐
Log Release checked in TALS?	☒	☐	☐

Initials: DV Date: 10/16/21

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ens | Environment Testing TestAmerica

1601144

Custody Seal

SIGNATURE

DATE

ORI
IAN
EUR
412
SUI
BROOKFIELD, WI 53005
UNITED STATES US

BILL RECIPIENT

TO SAMPLE RECEIPT
EUROFINS TESTAMERICA
880 RIVERSIDE PARKWAY

WEST SACRAMENTO CA 95605

(262) 202-5955 REF:
INV: DEPT:
PO:

FedEx
Express

E

SATURDAY 12:0
PRIORITY OVERNIG

1 of 3
TRK# 5418 0593 2383
0201
MASTER

XO BLUA

95605
CA-US

Custody Seal

DATE

SIGNATURE

eurofins | Environment Testing TestAmerica

1601144

eurofins | Environment Testing TestAmerica

1601144

eurofins | Environment Testing TestAmerica

Sacramento Sample Receiving Notes

500-206977 Field Sheet

Job: _____

Tracking # : 5418 0593 2383

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations. File in the job folder with the COC.

Therm. ID: 101 Corr. Factor: (+ / -) N/A °C

Ice ✓ Wet ✓ Gel _____ Other _____

Cooler Custody Seal: 1601144 / 1601145

Cooler ID: _____

Temp Observed: 1.3 °C Corrected: 1.5 °C

From: Temp Blank ☐ Sample ☑

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☑	☐
Cooler Temperature is acceptable?	☑	☐	☐
Frozen samples show signs of thaw?	☐	☐	☑

Initials: SO Date: 10/16/21

Unpacking/Labeling The Samples	Yes	No	NA
CoC is complete w/o discrepancies?	☑	☐	☐
Samples compromised/tampered with?	☐	☑	☐
Sample containers have legible labels?	☑	☐	☐
Sample custody seal?	☐	☐	☑
Containers are not broken or leaking?	☑	☐	☐
Sample date/times are provided?	☑	☐	☐
Appropriate containers are used?	☑	☐	☐
Sample bottles are completely filled?	☑	☑	☐
Sample preservatives verified?	☐	☐	☑
Samples w/o discrepancies?	☐	☑	☐
Zero headspace?*	☐	☐	☑
Alkalinity has no headspace?	☐	☐	☑
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☑
Multiphasic samples are not present?	☑	☐	☐

*Containers requiring zero headspace have no headspace, or bubble ≤ 6 mm (1/4")

Initials: DL Date: 10/16/21

Notes: _____

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☑	☐	☐
Samples received within hold time?	☑	☐	☐
NCM Filed?	☑	☐	☐
Log Release checked in TALS?	☑	☐	☐

Initials: DL Date: 10/16/21

eurofins | Environment Testing TestAmerica

Sacramento Sample Receiving Notes

Place Field Sheet Label Here

Job: _____

Tracking # : 5416 0593 2394

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations. File in the job folder with the COC.

Therm. ID: L-05 Corr. Factor: (+ / -) _____ °C

Ice X Wet X Gel _____ Other _____

Cooler Custody Seal: 1601142

Cooler ID: _____

Temp Observed: 2.4 °C Corrected: 2.1 °C

From: Temp Blank ☐ Sample ☒

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☒	☐
Cooler Temperature is acceptable?	☒	☐	☐
Frozen samples show signs of thaw?	☐	☐	☒

Initials: DV Date: 10/16/24

Unpacking/Labeling The Samples	Yes	No	NA
CoC is complete w/o discrepancies?	☒	☒	☐
Samples compromised/tampered with?	☒	☒	☐
Sample containers have legible labels?	☒	☐	☐
Sample custody seal?	☐	☐	☒
Containers are not broken or leaking?	☒	☐	☐
Sample date/times are provided?	☒	☐	☐
Appropriate containers are used?	☒	☐	☐
Sample bottles are completely filled?	☐	☒	☐
Sample preservatives verified?	☐	☐	☒
Samples w/o discrepancies?	☐	☒	☐
Zero headspace?*	☐	☐	☒
Alkalinity has no headspace?	☐	☐	☒
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☒
Multiphasic samples are not present?	☒	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: DV Date: 10/16/24

Notes: _____

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☒	☐	☐
Samples received within hold time?	☒	☐	☐
NCM Filed?	☐	☐	☐
Log Release checked in TALS?	☒	☐	☐

Initials: DV Date: 10/16/24

ens | Environment Testing TestAmerica

1601144

Custody Seal

BILL RECIPIENT

BROOKFIELD, WI 53005
UNITED STATES US

TO SAMPLE RECEIPT
EUROFINS TESTAMERICA
880 RIVERSIDE PARKWAY

WEST SACRAMENTO CA 95605

(262) 202 - 5955
INV:
PO:
REF:
DEPT:

FedEx
Express

E

SATURDAY 12:0
PRIORITY OVERNIGH

1 of 3
TRK# 5418 0593 2383
0201
MASTER

XO BLUA

95605
CA-US SMI

Custody Seal

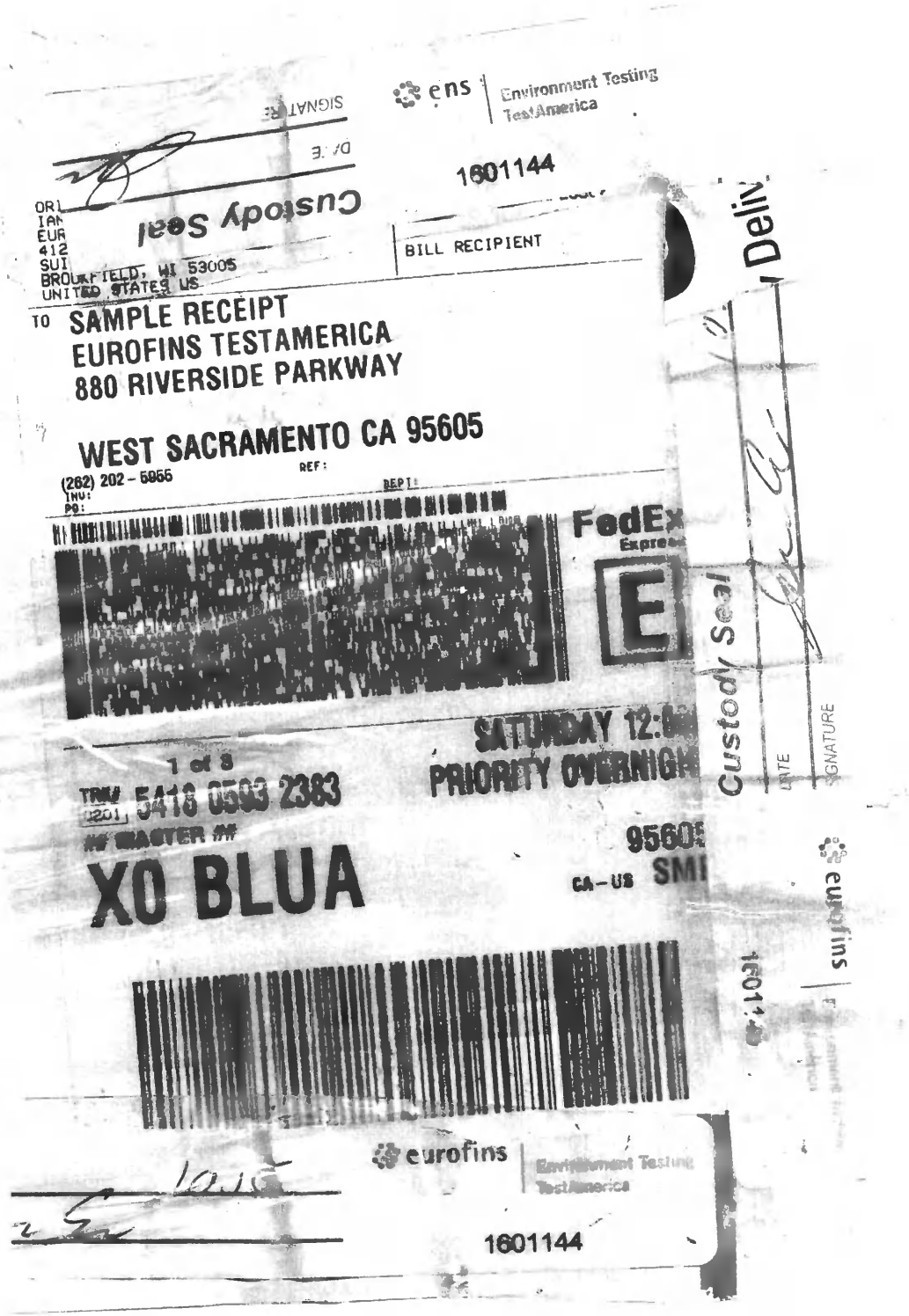
DATE

SIGNATURE

eurofins

eurofins | Environment Testing TestAmerica

1601144



Isotope Dilution Summary

Client: Ramboll US Corporation
Project/Site: Former Mirro 20 - Chilton 1690019558

Job ID: 500-206977-1

Method: 537 (modified) - Fluorinated Alkyl Substances

Matrix: Water

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFBA (25-150)	PFPeA (25-150)	PFHxA (25-150)	C4PFHA (25-150)	PFOA (25-150)	PFNA (25-150)	PFDA (25-150)	PFUnA (25-150)
500-206977-1	B-5	78	89	87	89	92	89	89	85
500-206977-2	B-6	83	96	85	91	93	91	91	91
500-206977-3	B-11	85	91	88	94	97	100	92	87
500-206977-4	MW-11	86	95	91	96	96	96	91	92
500-206977-5	MW-12	85	95	97	95	98	104	97	93
500-206977-6	PZ-12	86	100	98	97	95	102	96	95
500-206977-7	PZ-12 DUP	87	98	95	100	99	103	98	96
500-206977-8	FB-01	95	105	100	100	105	105	103	95
500-206977-9	EB-01	96	105	98	101	102	112	108	96
500-206977-10	MW-1	91	104	94	91	99	95	94	96
500-206977-11	MW-2	76	85	87	86	86	86	84	83
500-206977-12	PZ-10	84	105	95	97	101	104	101	98
500-206977-13	MW-10	84	98	93	94	99	94	94	93
500-206977-14	PZ-5	89	98	94	96	94	96	97	96
500-206977-15	PZ-5 DUP	81	98	89	91	90	94	93	88
500-206977-16	MW-5	78	93	88	92	91	92	89	93
500-206977-17	OMPZ-4	78	96	84	89	99	97	89	90
500-206977-18	FB-03	96	107	101	104	103	105	107	102
500-206977-19	EB-03	93	98	95	92	103	106	99	100
500-206977-21	B-5A	84	100	95	96	99	97	95	95
500-206977-22	B-9	80	89	89	87	90	91	91	90
500-206977-23	B-12	86	101	95	90	93	101	92	94
500-206977-24	PZ-13	86	91	90	93	96	95	92	91
500-206977-25	MW-13	79	94	89	90	94	96	91	91
500-206977-26	PZ-14	93	101	100	105	106	105	104	100
500-206977-27	MW-14	87	101	103	99	100	109	97	97
500-206977-28	EB-02	91	91	107	92	92	88	96	106
500-206977-29	FB-02	96	105	111	111	94	101	104	114
500-206977-30	MW-9	95	109	99	103	101	109	105	100
500-206977-31	OMPZ-3	85	96	90	96	101	103	99	98
500-206977-32	PZ-8	94	104	96	99	102	102	106	99
500-206977-33	MW-8	91	105	100	102	106	108	102	101
500-206977-33 MS	MW-8	93	106	99	96	102	103	98	96
500-206977-33 MSD	MW-8	89	101	99	94	101	101	96	97
500-206977-34	PZ-9	96	101	101	101	104	103	105	95
500-206977-35	FB-04	92	103	110	106	94	97	98	109
500-206977-36	EB-04	97	109	118	115	100	103	111	118
500-206977-37	MW-9 DUP	86	96	91	90	95	92	91	88
LCS 320-535204/2-A	Lab Control Sample	95	104	101	106	107	110	105	108
LCS 320-535207/2-A	Lab Control Sample	100	106	99	107	106	107	107	107
LCS 320-535545/2-A	Lab Control Sample	91	93	102	94	94	88	105	104
LCSD 320-535204/3-A	Lab Control Sample Dup	92	92	92	92	94	94	96	96
LCSD 320-535545/3-A	Lab Control Sample Dup	93	94	117	98	91	85	98	100
MB 320-535204/1-A	Method Blank	93	100	102	98	98	108	104	102
MB 320-535207/1-A	Method Blank	95	106	99	99	102	104	105	105
MB 320-535545/1-A	Method Blank	98	98	124	111	96	103	110	113

Isotope Dilution Summary

Client: Ramboll US Corporation
Job ID: 500-206977-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Matrix: Water
Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFDoA (25-150)	PFTDA (25-150)	C3PFBS (25-150)	PFHxS (25-150)	PFOS (25-150)	PFOSA (10-150)	d3NMFOS (25-150)	d5NEFOS (25-150)
500-206977-1	B-5	86	86	83	83	83	84	85	84
500-206977-2	B-6	85	85	84	83	83	83	84	84
500-206977-3	B-11	89	87	86	82	86	85	79	86
500-206977-4	MW-11	87	86	86	84	86	83	81	91
500-206977-5	MW-12	91	90	95	93	90	91	87	88
500-206977-6	PZ-12	97	97	89	90	90	92	94	90
500-206977-7	PZ-12 DUP	93	96	93	87	89	91	85	92
500-206977-8	FB-01	94	98	101	100	104	96	94	102
500-206977-9	EB-01	94	95	98	96	101	94	92	89
500-206977-10	MW-1	91	91	90	90	88	89	88	93
500-206977-11	MW-2	81	81	85	82	84	80	78	80
500-206977-12	PZ-10	93	93	92	96	96	91	89	94
500-206977-13	MW-10	88	91	89	84	86	85	85	92
500-206977-14	PZ-5	87	88	86	86	89	90	88	94
500-206977-15	PZ-5 DUP	84	83	83	81	85	83	82	85
500-206977-16	MW-5	91	91	86	86	93	85	84	85
500-206977-17	OMPZ-4	81	82	84	79	80	81	81	88
500-206977-18	FB-03	99	98	99	98	100	98	99	104
500-206977-19	EB-03	98	96	95	92	98	92	96	101
500-206977-21	B-5A	89	91	92	88	94	90	92	98
500-206977-22	B-9	92	90	88	81	86	84	82	91
500-206977-23	B-12	91	91	91	90	98	91	85	89
500-206977-24	PZ-13	91	90	90	87	90	86	83	94
500-206977-25	MW-13	83	84	81	80	85	83	83	82
500-206977-26	PZ-14	100	95	103	101	103	102	102	103
500-206977-27	MW-14	96	93	95	94	98	97	93	88
500-206977-28	EB-02	96	77	93	82	84	81	81	88
500-206977-29	FB-02	100	84	98	90	88	85	94	95
500-206977-30	MW-9	99	99	103	99	102	99	95	99
500-206977-31	OMPZ-3	92	91	91	90	95	95	94	99
500-206977-32	PZ-8	94	98	99	95	100	98	95	99
500-206977-33	MW-8	92	94	97	95	99	99	93	92
500-206977-33 MS	MW-8	93	95	93	90	92	90	93	91
500-206977-33 MSD	MW-8	90	93	94	93	97	90	86	85
500-206977-34	PZ-9	97	97	95	97	102	100	96	92
500-206977-35	FB-04	94	83	94	83	89	84	88	94
500-206977-36	EB-04	99	83	105	93	100	91	90	97
500-206977-37	MW-9 DUP	85	86	92	91	89	88	82	91
LCS 320-535204/2-A	Lab Control Sample	105	109	99	94	102	92	98	107
LCS 320-535207/2-A	Lab Control Sample	106	106	100	103	105	99	104	109
LCS 320-535545/2-A	Lab Control Sample	96	82	100	84	92	88	87	90
LCSD 320-535204/3-A	Lab Control Sample Dup	91	92	89	89	90	86	91	91
LCSD 320-535545/3-A	Lab Control Sample Dup	89	83	102	89	88	91	85	84
MB 320-535204/1-A	Method Blank	99	99	100	94	99	90	93	99
MB 320-535207/1-A	Method Blank	99	104	98	97	102	96	98	105
MB 320-535545/1-A	Method Blank	93	88	109	91	91	97	87	85

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	dMeFOSA (10-150)	dEtFOSA (10-150)	NMFM (10-150)	NEFM (10-150)	M242FTS (25-150)	M262FTS (25-150)	M282FTS (25-150)	HFPODA (25-150)
500-206977-1	B-5	71	71	77	80	108	98	99	87

Isotope Dilution Summary

Client: Ramboll US Corporation
Job ID: 500-206977-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Matrix: Water
Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	dMeFOSA (10-150)	dEtFOSA (10-150)	NMFM (10-150)	NEFM (10-150)	M242FTS (25-150)	M262FTS (25-150)	M282FTS (25-150)	HFPODA (25-150)
500-206977-2	B-6	74	73	78	81	119	103	115	88
500-206977-3	B-11	75	76	83	85	122	108	98	91
500-206977-4	MW-11	74	76	83	84	117	107	106	93
500-206977-5	MW-12	78	80	84	86	125	110	112	96
500-206977-6	PZ-12	82	82	88	92	117	111	103	95
500-206977-7	PZ-12 DUP	83	78	90	93	111	107	111	97
500-206977-8	FB-01	69	73	85	93	119	118	122	102
500-206977-9	EB-01	71	72	88	92	118	114	134	104
500-206977-10	MW-1	79	81	84	88	123	111	113	97
500-206977-11	MW-2	70	70	73	78	105	100	102	83
500-206977-12	PZ-10	81	80	84	90	113	105	114	100
500-206977-13	MW-10	73	74	81	85	128	108	108	93
500-206977-14	PZ-5	76	76	86	87	114	109	104	93
500-206977-15	PZ-5 DUP	70	71	80	82	117	97	102	91
500-206977-16	MW-5	73	74	80	85	110	108	103	90
500-206977-17	OMPZ-4	71	70	80	84	125	109	104	89
500-206977-18	FB-03	76	74	89	91	124	120	114	105
500-206977-19	EB-03	77	77	91	90	122	117	116	99
500-206977-21	B-5A	78	80	80	87	118	113	113	89
500-206977-22	B-9	74	76	80	84	115	99	103	90
500-206977-23	B-12	78	77	85	88	127	105	107	92
500-206977-24	PZ-13	73	73	81	84	109	98	101	94
500-206977-25	MW-13	74	72	79	83	112	103	105	89
500-206977-26	PZ-14	84	82	88	91	132	124	119	103
500-206977-27	MW-14	80	81	84	88	128	116	123	95
500-206977-28	EB-02	81	81	77	70	116	88	97	113
500-206977-29	FB-02	83	83	75	73	119	93	105	115
500-206977-30	MW-9	87	85	90	94	137	125	128	108
500-206977-31	OMPZ-3	80	78	85	89	115	105	116	97
500-206977-32	PZ-8	84	85	86	92	119	118	114	101
500-206977-33	MW-8	82	83	86	91	124	116	117	102
500-206977-33 MS	MW-8	81	76	87	89	114	109	111	98
500-206977-33 MSD	MW-8	84	83	86	89	113	108	111	98
500-206977-34	PZ-9	86	85	90	94	123	110	111	101
500-206977-35	FB-04	79	79	80	71	112	85	93	122
500-206977-36	EB-04	88	89	81	74	125	101	110	122
500-206977-37	MW-9 DUP	74	71	79	81	114	101	101	89
LCS 320-535204/2-A	Lab Control Sample	84	87	95	101	119	110	109	104
LCS 320-535207/2-A	Lab Control Sample	86	86	96	99	131	126	124	105
LCS 320-535545/2-A	Lab Control Sample	87	81	70	68	104	89	98	108
LCSD 320-535204/3-A	Lab Control Sample Dup	75	78	87	89	115	109	103	98
LCSD 320-535545/3-A	Lab Control Sample Dup	72	68	70	68	102	85	101	106
MB 320-535204/1-A	Method Blank	81	80	88	92	115	108	119	96
MB 320-535207/1-A	Method Blank	79	84	92	96	129	114	122	99
MB 320-535545/1-A	Method Blank	83	87	76	76	141	92	106	129

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	M102FTS (25-150)							
500-206977-1	B-5	101							
500-206977-2	B-6	104							

Isotope Dilution Summary

Client: Ramboll US Corporation
Job ID: 500-206977-1
Project/Site: Former Mirro 20 - Chilton 1690019558

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Matrix: Water
Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)						
Lab Sample ID	Client Sample ID	M102FTS (25-150)						
500-206977-3	B-11	107						
500-206977-4	MW-11	101						
500-206977-5	MW-12	102						
500-206977-6	PZ-12	115						
500-206977-7	PZ-12 DUP	114						
500-206977-8	FB-01	111						
500-206977-9	EB-01	117						
500-206977-10	MW-1	109						
500-206977-11	MW-2	94						
500-206977-12	PZ-10	104						
500-206977-13	MW-10	102						
500-206977-14	PZ-5	104						
500-206977-15	PZ-5 DUP	92						
500-206977-16	MW-5	108						
500-206977-17	OMPZ-4	96						
500-206977-18	FB-03	114						
500-206977-19	EB-03	117						
500-206977-21	B-5A	108						
500-206977-22	B-9	133						
500-206977-23	B-12	101						
500-206977-24	PZ-13	99						
500-206977-25	MW-13	99						
500-206977-26	PZ-14	141						
500-206977-27	MW-14	112						
500-206977-28	EB-02	112						
500-206977-29	FB-02	110						
500-206977-30	MW-9	119						
500-206977-31	OMPZ-3	109						
500-206977-32	PZ-8	117						
500-206977-33	MW-8	111						
500-206977-33 MS	MW-8	105						
500-206977-33 MSD	MW-8	96						
500-206977-34	PZ-9	102						
500-206977-35	FB-04	101						
500-206977-36	EB-04	97						
500-206977-37	MW-9 DUP	97						
LCS 320-535204/2-A	Lab Control Sample	118						
LCS 320-535207/2-A	Lab Control Sample	120						
LCS 320-535545/2-A	Lab Control Sample	101						
LCSD 320-535204/3-A	Lab Control Sample Dup	100						
LCSD 320-535545/3-A	Lab Control Sample Dup	91						
MB 320-535204/1-A	Method Blank	117						
MB 320-535207/1-A	Method Blank	111						
MB 320-535545/1-A	Method Blank	104						

Surrogate Legend

PFBA = 13C4 PFBA
PFPeA = 13C5 PFPeA
PFHxA = 13C2 PFHxA
C4PFHA = 13C4 PFHpA

Isotope Dilution Summary

Client: Ramboll US Corporation
Job ID: 500-206977-1
Project/Site: Former Mirro 20 - Chilton 1690019558

PFOA = 13C4 PFOA
PFNA = 13C5 PFNA
PFDA = 13C2 PFDA
PFUnA = 13C2 PFUnA
PFDoA = 13C2 PFDoA
PFTDA = 13C2 PFTeDA
C3PFBS = 13C3 PFBS
PFHxS = 18O2 PFHxS
PFOS = 13C4 PFOS
PFOSA = 13C8 FOSA
d3NMFOS = d3-NMeFOSAA
d5NEFOS = d5-NEtFOSAA
dMeFOSA = d-N-MeFOSA-M
dEtFOSA = d-N-EtFOSA-M
NMFM = d7-N-MeFOSE-M
NEFM = d9-N-EtFOSE-M
M242FTS = M2-4:2 FTS
M262FTS = M2-6:2 FTS
M282FTS = M2-8:2 FTS
HFPODA = 13C3 HFPO-DA
M102FTS = 13C2 10:2 FTS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

April 08, 2022

Susan Petrofske
Ramboll US Consulting, Inc.
234 West Florida St.
5th floor
Milwaukee, WI 53204

RE: Project: 1690019558 MIRRO PLANT 20
Pace Project No.: 10602311

Dear Susan Petrofske:

Enclosed are the analytical results for sample(s) received by the laboratory on March 28, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Minneapolis

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Carolynne Trout

Carolynne Trout
carolynne.trout@pacelabs.com
1(612)607-6351
Project Manager

Enclosures

cc: Paul Lindquist, Ramboll US Consulting, Inc.

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Minneapolis, MN 55414
(612)607-1700

CERTIFICATIONS

Project: 1690019558 MIRRO PLANT 20
Pace Project No.: 10602311

Pace Analytical Services, LLC - Minneapolis MN

1700 Elm Street SE, Minneapolis, MN 55414
1800 Elm Street SE, Minneapolis, MN 55414--Satellite Air Lab
A2LA Certification #: 2926.01*
Alabama Certification #: 40770
Alaska Contaminated Sites Certification #: 17-009*
Alaska DW Certification #: MN00064
Arizona Certification #: AZ0014*
Arkansas DW Certification #: MN00064
Arkansas WW Certification #: 88-0680
California Certification #: 2929
Colorado Certification #: MN00064
Connecticut Certification #: PH-0256
EPA Region 8 Tribal Water Systems+Wyoming DW Certification #: via MN 027-053-137
Florida Certification #: E87605*
Georgia Certification #: 959
Hawaii Certification #: MN00064
Idaho Certification #: MN00064
Illinois Certification #: 200011
Indiana Certification #: C-MN-01
Iowa Certification #: 368
Kansas Certification #: E-10167
Kentucky DW Certification #: 90062
Kentucky WW Certification #: 90062
Louisiana DEQ Certification #: AI-03086*
Louisiana DW Certification #: MN00064
Maine Certification #: MN00064*
Maryland Certification #: 322
Michigan Certification #: 9909
Minnesota Certification #: 027-053-137*
Minnesota Dept of Ag Approval: via MN 027-053-137
Minnesota Petrofund Registration #: 1240*
Mississippi Certification #: MN00064
Missouri Certification #: 10100
Montana Certification #: CERT0092
Nebraska Certification #: NE-OS-18-06
Nevada Certification #: MN00064
New Hampshire Certification #: 2081*
New Jersey Certification #: MN002
New York Certification #: 11647*
North Carolina DW Certification #: 27700
North Carolina WW Certification #: 530
North Dakota Certification #: R-036
Ohio DW Certification #: 41244
Ohio VAP Certification (1700) #: CL101
Ohio VAP Certification (1800) #: CL110*
Oklahoma Certification #: 9507*
Oregon Primary Certification #: MN300001
Oregon Secondary Certification #: MN200001*
Pennsylvania Certification #: 68-00563*
Puerto Rico Certification #: MN00064
South Carolina Certification #:74003001
Tennessee Certification #: TN02818
Texas Certification #: T104704192*
Utah Certification #: MN00064*
Vermont Certification #: VT-027053137
Virginia Certification #: 460163*
Washington Certification #: C486*
West Virginia DEP Certification #: 382
West Virginia DW Certification #: 9952 C
Wisconsin Certification #: 999407970
Wyoming UST Certification #: via A2LA 2926.01
USDA Permit #: P330-19-00208
*Please Note: Applicable air certifications are denoted with an asterisk (*).

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SAMPLE SUMMARY

Project: 1690019558 MIRRO PLANT 20
Pace Project No.: 10602311

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10602311001	**IA-B-1**	Air	03/25/22 13:15	03/28/22 10:54
10602311002	**IA-B-1 CERT#1233**	Air		03/28/22 10:54
10602311003	**IA-B-2**	Air	03/25/22 13:17	03/28/22 10:54
10602311004	**IA-B-2 CERT#1750**	Air		03/28/22 10:54
10602311005	**IA-B-3**	Air	03/25/22 13:19	03/28/22 10:54
10602311006	**IA-B-3 CERT#1188**	Air		03/28/22 10:54
10602311007	**OA**	Air	03/25/22 12:41	03/28/22 10:54
10602311008	**OA CERT#2702**	Air		03/28/22 10:54
10602311009	**VP-1**	Air	03/25/22 14:09	03/28/22 10:54
10602311010	**VP-1 CERT#3902**	Air		03/28/22 10:54
10602311011	**VP-2**	Air	03/25/22 14:12	03/28/22 10:54
10602311012	**VP-2 CERT#0713**	Air		03/28/22 10:54
10602311013	**VP-3**	Air	03/25/22 14:17	03/28/22 10:54
10602311014	**VP-3 CERT#0007**	Air		03/28/22 10:54
10602311015	**VP-4**	Air	03/25/22 14:26	03/28/22 10:54
10602311016	**VP-4 CERT#1582**	Air		03/28/22 10:54

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SAMPLE ANALYTE COUNT

Project: 1690019558 MIRRO PLANT 20
Pace Project No.: 10602311

Lab ID	Sample ID	Method	Analysts	Analytes Reported
10602311001	**IA-B-1**	TO-15	SW	8
10602311002	**IA-B-1 CERT#1233**	TO-15	GT	8
10602311003	**IA-B-2**	TO-15	SW	8
10602311004	**IA-B-2 CERT#1750**	TO-15	AJA	8
10602311005	**IA-B-3**	TO-15	SW	8
10602311006	**IA-B-3 CERT#1188**	TO-15	SW	8
10602311007	**OA**	TO-15	SW	8
10602311008	**OA CERT#2702**	TO-15	AJA	8
10602311009	**VP-1**	TO-15	MJL, SW	8
10602311010	**VP-1 CERT#3902**	TO-15	HMH	8
10602311011	**VP-2**	TO-15	HMH	8
10602311012	**VP-2 CERT#0713**	TO-15	MJL	8
10602311013	**VP-3**	TO-15	AFV	8
10602311014	**VP-3 CERT#0007**	TO-15	AJA	8
10602311015	**VP-4**	TO-15	AFV	8
10602311016	**VP-4 CERT#1582**	TO-15	AJA	8

PASI-M = Pace Analytical Services - Minneapolis

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 1690019558 MIRRO PLANT 20
Pace Project No.: 10602311

Date: April 08, 2022

VP-2 (Lab ID: 10602311011)

- K1: The Total Hydrocarbon (THC) pattern occured in the first half of the chromatogram (before toluene).

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PROJECT NARRATIVE

Project: 1690019558 MIRRO PLANT 20
Pace Project No.: 10602311

Method: **TO-15**
Description: TO15 MSV AIR
Client: Ramboll Environ- WI
Date: April 08, 2022

General Information:
8 samples were analyzed for TO-15 by Pace Analytical Services Minneapolis. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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1700 Elm Street
Minneapolis, MN 55414
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PROJECT NARRATIVE

Project: 1690019558 MIRRO PLANT 20
Pace Project No.: 10602311

Method: **TO-15**
Description: Individual Can Certification
Client: Ramboll Environ- WI
Date: April 08, 2022

General Information:
8 samples were analyzed for TO-15 by Pace Analytical Services Minneapolis. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

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ANALYTICAL RESULTS

Project: 1690019558 MIRRO PLANT 20
Pace Project No.: 10602311

Sample: IA-B-1 **Lab ID: 10602311001** Collected: 03/25/22 13:15 Received: 03/28/22 10:54 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15 Pace Analytical Services - Minneapolis								
1,2-Dichloroethane	**<0.28**	ug/m3	1.2	0.28	1.46		04/06/22 22:52	107-06-2	
1,1-Dichloroethene	**<0.20**	ug/m3	1.2	0.20	1.46		04/06/22 22:52	75-35-4	
cis-1,2-Dichloroethene	**61.6**	ug/m3	1.2	0.28	1.46		04/06/22 22:52	156-59-2	
trans-1,2-Dichloroethene	**0.94J**	ug/m3	1.2	0.25	1.46		04/06/22 22:52	156-60-5	
Tetrachloroethene	**4.1**	ug/m3	1.0	0.43	1.46		04/06/22 22:52	127-18-4	
1,1,1-Trichloroethane	**<0.27**	ug/m3	1.6	0.27	1.46		04/06/22 22:52	71-55-6	
Trichloroethene	**3.0**	ug/m3	0.80	0.29	1.46		04/06/22 22:52	79-01-6	
Vinyl chloride	**2.0**	ug/m3	0.38	0.13	1.46		04/06/22 22:52	75-01-4	

Sample: IA-B-1 CERT#1233 **Lab ID: 10602311002** Collected: Received: 03/28/22 10:54 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Individual Can Certification	Analytical Method: TO-15 Pace Analytical Services - Minneapolis								
1,2-Dichloroethane	**<0.097**	ug/m3	0.41	0.097	0.5		03/22/22 08:19	107-06-2	
1,1-Dichloroethene	**<0.069**	ug/m3	0.40	0.069	0.5		03/22/22 08:19	75-35-4	
cis-1,2-Dichloroethene	**<0.098**	ug/m3	0.40	0.098	0.5		03/22/22 08:19	156-59-2	
trans-1,2-Dichloroethene	**<0.084**	ug/m3	0.40	0.084	0.5		03/22/22 08:19	156-60-5	
Tetrachloroethene	**<0.15**	ug/m3	0.34	0.15	0.5		03/22/22 08:19	127-18-4	
1,1,1-Trichloroethane	**<0.093**	ug/m3	0.56	0.093	0.5		03/22/22 08:19	71-55-6	
Trichloroethene	**<0.098**	ug/m3	0.27	0.098	0.5		03/22/22 08:19	79-01-6	
Vinyl chloride	**<0.043**	ug/m3	0.13	0.043	0.5		03/22/22 08:19	75-01-4	

Sample: IA-B-2 **Lab ID: 10602311003** Collected: 03/25/22 13:17 Received: 03/28/22 10:54 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15 Pace Analytical Services - Minneapolis								
1,2-Dichloroethane	**<0.31**	ug/m3	1.3	0.31	1.58		04/06/22 23:26	107-06-2	
1,1-Dichloroethene	**<0.22**	ug/m3	1.3	0.22	1.58		04/06/22 23:26	75-35-4	
cis-1,2-Dichloroethene	**3.6**	ug/m3	1.3	0.31	1.58		04/06/22 23:26	156-59-2	
trans-1,2-Dichloroethene	**<0.27**	ug/m3	1.3	0.27	1.58		04/06/22 23:26	156-60-5	
Tetrachloroethene	**<0.46**	ug/m3	1.1	0.46	1.58		04/06/22 23:26	127-18-4	
1,1,1-Trichloroethane	**<0.29**	ug/m3	1.8	0.29	1.58		04/06/22 23:26	71-55-6	
Trichloroethene	**<0.31**	ug/m3	0.86	0.31	1.58		04/06/22 23:26	79-01-6	
Vinyl chloride	**<0.14**	ug/m3	0.41	0.14	1.58		04/06/22 23:26	75-01-4	

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ANALYTICAL RESULTS

Project: 1690019558 MIRRO PLANT 20
Pace Project No.: 10602311

Sample: IA-B-2 CERT#1750 **Lab ID: 10602311004** Collected: Received: 03/28/22 10:54 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Individual Can Certification	Analytical Method: TO-15 Pace Analytical Services - Minneapolis								
1,2-Dichloroethane	**<0.097**	ug/m3	0.41	0.097	0.5		03/20/22 03:13	107-06-2	
1,1-Dichloroethene	**<0.069**	ug/m3	0.40	0.069	0.5		03/20/22 03:13	75-35-4	
cis-1,2-Dichloroethene	**<0.098**	ug/m3	0.40	0.098	0.5		03/20/22 03:13	156-59-2	
trans-1,2-Dichloroethene	**<0.084**	ug/m3	0.40	0.084	0.5		03/20/22 03:13	156-60-5	
Tetrachloroethene	**<0.15**	ug/m3	0.34	0.15	0.5		03/20/22 03:13	127-18-4	
1,1,1-Trichloroethane	**<0.093**	ug/m3	0.56	0.093	0.5		03/20/22 03:13	71-55-6	
Trichloroethene	**<0.098**	ug/m3	0.27	0.098	0.5		03/20/22 03:13	79-01-6	
Vinyl chloride	**<0.043**	ug/m3	0.13	0.043	0.5		03/20/22 03:13	75-01-4	

Sample: IA-B-3 **Lab ID: 10602311005** Collected: 03/25/22 13:19 Received: 03/28/22 10:54 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15 Pace Analytical Services - Minneapolis								
1,2-Dichloroethane	**<0.28**	ug/m3	1.2	0.28	1.44		04/06/22 23:59	107-06-2	
1,1-Dichloroethene	**<0.20**	ug/m3	1.2	0.20	1.44		04/06/22 23:59	75-35-4	
cis-1,2-Dichloroethene	**3.2**	ug/m3	1.2	0.28	1.44		04/06/22 23:59	156-59-2	
trans-1,2-Dichloroethene	**<0.24**	ug/m3	1.2	0.24	1.44		04/06/22 23:59	156-60-5	
Tetrachloroethene	**<0.42**	ug/m3	0.99	0.42	1.44		04/06/22 23:59	127-18-4	
1,1,1-Trichloroethane	**<0.27**	ug/m3	1.6	0.27	1.44		04/06/22 23:59	71-55-6	
Trichloroethene	**<0.28**	ug/m3	0.79	0.28	1.44		04/06/22 23:59	79-01-6	
Vinyl chloride	**<0.12**	ug/m3	0.37	0.12	1.44		04/06/22 23:59	75-01-4	

Sample: IA-B-3 CERT#1188 **Lab ID: 10602311006** Collected: Received: 03/28/22 10:54 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Individual Can Certification	Analytical Method: TO-15 Pace Analytical Services - Minneapolis								
1,2-Dichloroethane	**<0.097**	ug/m3	0.41	0.097	0.5		03/19/22 10:44	107-06-2	
1,1-Dichloroethene	**<0.069**	ug/m3	0.40	0.069	0.5		03/19/22 10:44	75-35-4	
cis-1,2-Dichloroethene	**<0.098**	ug/m3	0.40	0.098	0.5		03/19/22 10:44	156-59-2	
trans-1,2-Dichloroethene	**<0.084**	ug/m3	0.40	0.084	0.5		03/19/22 10:44	156-60-5	
Tetrachloroethene	**<0.15**	ug/m3	0.34	0.15	0.5		03/19/22 10:44	127-18-4	
1,1,1-Trichloroethane	**<0.093**	ug/m3	0.56	0.093	0.5		03/19/22 10:44	71-55-6	
Trichloroethene	**<0.098**	ug/m3	0.27	0.098	0.5		03/19/22 10:44	79-01-6	
Vinyl chloride	**<0.043**	ug/m3	0.13	0.043	0.5		03/19/22 10:44	75-01-4	

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ANALYTICAL RESULTS

Project: 1690019558 MIRRO PLANT 20
Pace Project No.: 10602311

Sample: OA **Lab ID: 10602311007** Collected: 03/25/22 12:41 Received: 03/28/22 10:54 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15 Pace Analytical Services - Minneapolis								
1,2-Dichloroethane	**<0.29**	ug/m3	1.3	0.29	1.52		04/07/22 00:33	107-06-2	
1,1-Dichloroethene	**<0.21**	ug/m3	1.2	0.21	1.52		04/07/22 00:33	75-35-4	
cis-1,2-Dichloroethene	**<0.30**	ug/m3	1.2	0.30	1.52		04/07/22 00:33	156-59-2	
trans-1,2-Dichloroethene	**<0.26**	ug/m3	1.2	0.26	1.52		04/07/22 00:33	156-60-5	
Tetrachloroethene	**<0.44**	ug/m3	1.0	0.44	1.52		04/07/22 00:33	127-18-4	
1,1,1-Trichloroethane	**<0.28**	ug/m3	1.7	0.28	1.52		04/07/22 00:33	71-55-6	
Trichloroethene	**<0.30**	ug/m3	0.83	0.30	1.52		04/07/22 00:33	79-01-6	
Vinyl chloride	**<0.13**	ug/m3	0.40	0.13	1.52		04/07/22 00:33	75-01-4	

Sample: OA CERT#2702 **Lab ID: 10602311008** Collected: Received: 03/28/22 10:54 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Individual Can Certification	Analytical Method: TO-15 Pace Analytical Services - Minneapolis								
1,2-Dichloroethane	**<0.097**	ug/m3	0.41	0.097	0.5		03/20/22 06:56	107-06-2	
1,1-Dichloroethene	**<0.069**	ug/m3	0.40	0.069	0.5		03/20/22 06:56	75-35-4	
cis-1,2-Dichloroethene	**<0.098**	ug/m3	0.40	0.098	0.5		03/20/22 06:56	156-59-2	
trans-1,2-Dichloroethene	**<0.084**	ug/m3	0.40	0.084	0.5		03/20/22 06:56	156-60-5	
Tetrachloroethene	**<0.15**	ug/m3	0.34	0.15	0.5		03/20/22 06:56	127-18-4	
1,1,1-Trichloroethane	**<0.093**	ug/m3	0.56	0.093	0.5		03/20/22 06:56	71-55-6	
Trichloroethene	**<0.098**	ug/m3	0.27	0.098	0.5		03/20/22 06:56	79-01-6	
Vinyl chloride	**<0.043**	ug/m3	0.13	0.043	0.5		03/20/22 06:56	75-01-4	

Sample: VP-1 **Lab ID: 10602311009** Collected: 03/25/22 14:09 Received: 03/28/22 10:54 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15 Pace Analytical Services - Minneapolis								
1,2-Dichloroethane	**<0.29**	ug/m3	1.3	0.29	1.52		04/07/22 01:06	107-06-2	
1,1-Dichloroethene	**<0.21**	ug/m3	1.2	0.21	1.52		04/07/22 01:06	75-35-4	
cis-1,2-Dichloroethene	**<0.30**	ug/m3	1.2	0.30	1.52		04/07/22 01:06	156-59-2	
trans-1,2-Dichloroethene	**<0.26**	ug/m3	1.2	0.26	1.52		04/07/22 01:06	156-60-5	
Tetrachloroethene	**674**	ug/m3	10.5	4.4	15.2		04/07/22 12:06	127-18-4	
1,1,1-Trichloroethane	**21.9**	ug/m3	1.7	0.28	1.52		04/07/22 01:06	71-55-6	
Trichloroethene	**12.1**	ug/m3	0.83	0.30	1.52		04/07/22 01:06	79-01-6	
Vinyl chloride	**<0.13**	ug/m3	0.40	0.13	1.52		04/07/22 01:06	75-01-4	

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ANALYTICAL RESULTS

Project: 1690019558 MIRRO PLANT 20
Pace Project No.: 10602311

Sample: VP-1 CERT#3902 **Lab ID: 10602311010** Collected: Received: 03/28/22 10:54 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Individual Can Certification	Analytical Method: TO-15 Pace Analytical Services - Minneapolis								
1,2-Dichloroethane	**<0.19**	ug/m3	0.82	0.19	1		03/22/22 08:33	107-06-2	
1,1-Dichloroethene	**<0.14**	ug/m3	0.81	0.14	1		03/22/22 08:33	75-35-4	
cis-1,2-Dichloroethene	**<0.20**	ug/m3	0.81	0.20	1		03/22/22 08:33	156-59-2	
trans-1,2-Dichloroethene	**<0.17**	ug/m3	0.81	0.17	1		03/22/22 08:33	156-60-5	
Tetrachloroethene	**<0.29**	ug/m3	0.69	0.29	1		03/22/22 08:33	127-18-4	
1,1,1-Trichloroethane	**<0.19**	ug/m3	1.1	0.19	1		03/22/22 08:33	71-55-6	
Trichloroethene	**<0.20**	ug/m3	0.55	0.20	1		03/22/22 08:33	79-01-6	
Vinyl chloride	**<0.087**	ug/m3	0.26	0.087	1		03/22/22 08:33	75-01-4	

Sample: VP-2 **Lab ID: 10602311011** Collected: 03/25/22 14:12 Received: 03/28/22 10:54 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15 Pace Analytical Services - Minneapolis								
1,2-Dichloroethane	**<0.29**	ug/m3	1.3	0.29	1.52		04/07/22 16:29	107-06-2	
1,1-Dichloroethene	**<0.21**	ug/m3	1.2	0.21	1.52		04/07/22 16:29	75-35-4	
cis-1,2-Dichloroethene	**<0.30**	ug/m3	1.2	0.30	1.52		04/07/22 16:29	156-59-2	
trans-1,2-Dichloroethene	**<0.26**	ug/m3	1.2	0.26	1.52		04/07/22 16:29	156-60-5	
Tetrachloroethene	**590**	ug/m3	5.2	2.2	7.6		04/08/22 11:46	127-18-4	
1,1,1-Trichloroethane	**27.1**	ug/m3	1.7	0.28	1.52		04/07/22 16:29	71-55-6	
Trichloroethene	**<0.30**	ug/m3	1.7	0.30	1.52		04/07/22 16:29	79-01-6	
Vinyl chloride	**<0.13**	ug/m3	0.40	0.13	1.52		04/07/22 16:29	75-01-4	

Sample: VP-2 CERT#0713 **Lab ID: 10602311012** Collected: Received: 03/28/22 10:54 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Individual Can Certification	Analytical Method: TO-15 Pace Analytical Services - Minneapolis								
1,2-Dichloroethane	**<0.097**	ug/m3	0.41	0.097	0.5		03/21/22 10:56	107-06-2	
1,1-Dichloroethene	**<0.069**	ug/m3	0.40	0.069	0.5		03/21/22 10:56	75-35-4	
cis-1,2-Dichloroethene	**<0.098**	ug/m3	0.40	0.098	0.5		03/21/22 10:56	156-59-2	
trans-1,2-Dichloroethene	**<0.084**	ug/m3	0.40	0.084	0.5		03/21/22 10:56	156-60-5	
Tetrachloroethene	**<0.15**	ug/m3	0.34	0.15	0.5		03/21/22 10:56	127-18-4	
1,1,1-Trichloroethane	**<0.093**	ug/m3	0.56	0.093	0.5		03/21/22 10:56	71-55-6	
Trichloroethene	**<0.098**	ug/m3	0.27	0.098	0.5		03/21/22 10:56	79-01-6	
Vinyl chloride	**<0.043**	ug/m3	0.13	0.043	0.5		03/21/22 10:56	75-01-4	

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ANALYTICAL RESULTS

Project: 1690019558 MIRRO PLANT 20
Pace Project No.: 10602311

Sample: VP-3 **Lab ID: 10602311013** Collected: 03/25/22 14:17 Received: 03/28/22 10:54 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15 Pace Analytical Services - Minneapolis								
1,2-Dichloroethane	**<0.31**	ug/m3	1.3	0.31	1.58		04/07/22 00:44	107-06-2	
1,1-Dichloroethene	**<0.22**	ug/m3	1.3	0.22	1.58		04/07/22 00:44	75-35-4	
cis-1,2-Dichloroethene	**<0.31**	ug/m3	1.3	0.31	1.58		04/07/22 00:44	156-59-2	
trans-1,2-Dichloroethene	**<0.27**	ug/m3	1.3	0.27	1.58		04/07/22 00:44	156-60-5	
Tetrachloroethene	**245**	ug/m3	1.1	0.46	1.58		04/07/22 00:44	127-18-4	
1,1,1-Trichloroethane	**10.5**	ug/m3	1.8	0.29	1.58		04/07/22 00:44	71-55-6	
Trichloroethene	**0.40J**	ug/m3	0.86	0.31	1.58		04/07/22 00:44	79-01-6	
Vinyl chloride	**<0.14**	ug/m3	0.82	0.14	1.58		04/07/22 00:44	75-01-4	

Sample: VP-3 CERT#0007 **Lab ID: 10602311014** Collected: Received: 03/28/22 10:54 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Individual Can Certification	Analytical Method: TO-15 Pace Analytical Services - Minneapolis								
1,2-Dichloroethane	**<0.19**	ug/m3	0.82	0.19	1		03/17/22 17:26	107-06-2	
1,1-Dichloroethene	**<0.14**	ug/m3	0.81	0.14	1		03/17/22 17:26	75-35-4	
cis-1,2-Dichloroethene	**<0.20**	ug/m3	0.81	0.20	1		03/17/22 17:26	156-59-2	
trans-1,2-Dichloroethene	**<0.17**	ug/m3	0.81	0.17	1		03/17/22 17:26	156-60-5	
Tetrachloroethene	**<0.29**	ug/m3	0.69	0.29	1		03/17/22 17:26	127-18-4	
1,1,1-Trichloroethane	**<0.19**	ug/m3	1.1	0.19	1		03/17/22 17:26	71-55-6	
Trichloroethene	**<0.20**	ug/m3	0.55	0.20	1		03/17/22 17:26	79-01-6	
Vinyl chloride	**<0.087**	ug/m3	0.26	0.087	1		03/17/22 17:26	75-01-4	

Sample: VP-4 **Lab ID: 10602311015** Collected: 03/25/22 14:26 Received: 03/28/22 10:54 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15 Pace Analytical Services - Minneapolis								
1,2-Dichloroethane	**<0.30**	ug/m3	1.3	0.30	1.55		04/07/22 01:12	107-06-2	
1,1-Dichloroethene	**<0.21**	ug/m3	1.2	0.21	1.55		04/07/22 01:12	75-35-4	
cis-1,2-Dichloroethene	**<0.30**	ug/m3	1.2	0.30	1.55		04/07/22 01:12	156-59-2	
trans-1,2-Dichloroethene	**<0.26**	ug/m3	1.2	0.26	1.55		04/07/22 01:12	156-60-5	
Tetrachloroethene	**34.4**	ug/m3	1.1	0.45	1.55		04/07/22 01:12	127-18-4	
1,1,1-Trichloroethane	**2.0**	ug/m3	1.7	0.29	1.55		04/07/22 01:12	71-55-6	
Trichloroethene	**<0.30**	ug/m3	0.85	0.30	1.55		04/07/22 01:12	79-01-6	
Vinyl chloride	**<0.13**	ug/m3	0.81	0.13	1.55		04/07/22 01:12	75-01-4	

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 1690019558 MIRRO PLANT 20
Pace Project No.: 10602311

Sample: VP-4 CERT#1582 **Lab ID: 10602311016** Collected: Received: 03/28/22 10:54 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Individual Can Certification	Analytical Method: TO-15 Pace Analytical Services - Minneapolis								
1,2-Dichloroethane	**<0.097**	ug/m3	0.41	0.097	0.5		03/20/22 04:28	107-06-2	
1,1-Dichloroethene	**<0.069**	ug/m3	0.40	0.069	0.5		03/20/22 04:28	75-35-4	
cis-1,2-Dichloroethene	**<0.098**	ug/m3	0.40	0.098	0.5		03/20/22 04:28	156-59-2	
trans-1,2-Dichloroethene	**<0.084**	ug/m3	0.40	0.084	0.5		03/20/22 04:28	156-60-5	
Tetrachloroethene	**<0.15**	ug/m3	0.34	0.15	0.5		03/20/22 04:28	127-18-4	
1,1,1-Trichloroethane	**<0.093**	ug/m3	0.56	0.093	0.5		03/20/22 04:28	71-55-6	
Trichloroethene	**<0.098**	ug/m3	0.27	0.098	0.5		03/20/22 04:28	79-01-6	
Vinyl chloride	**<0.043**	ug/m3	0.13	0.043	0.5		03/20/22 04:28	75-01-4	

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Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 1690019558 MIRRO PLANT 20
Pace Project No.: 10602311

QC Batch: 807718
QC Batch Method: TO-15
Analysis Method: TO-15
Analysis Description: TO15 MSV AIR Low Level
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10602311001, 10602311003, 10602311005, 10602311007, 10602311009

METHOD BLANK: 4286842 Matrix: Air
Associated Lab Samples: 10602311001, 10602311003, 10602311005, 10602311007, 10602311009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/m3	<0.093	0.56	04/06/22 11:45	
1,1-Dichloroethene	ug/m3	<0.069	0.40	04/06/22 11:45	
1,2-Dichloroethane	ug/m3	<0.097	0.41	04/06/22 11:45	
cis-1,2-Dichloroethene	ug/m3	<0.098	0.40	04/06/22 11:45	
Tetrachloroethene	ug/m3	<0.15	0.34	04/06/22 11:45	
trans-1,2-Dichloroethene	ug/m3	<0.084	0.40	04/06/22 11:45	
Trichloroethene	ug/m3	<0.098	0.27	04/06/22 11:45	
Vinyl chloride	ug/m3	<0.043	0.13	04/06/22 11:45	

LABORATORY CONTROL SAMPLE: 4286843

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/m3	59.3	69.5	117	70-130	
1,1-Dichloroethene	ug/m3	43.5	51.6	119	70-130	
1,2-Dichloroethane	ug/m3	44.4	53.1	120	70-134	
cis-1,2-Dichloroethene	ug/m3	43.4	55.0	127	70-136	
Tetrachloroethene	ug/m3	73.4	85.9	117	70-134	
trans-1,2-Dichloroethene	ug/m3	43.6	52.4	120	70-134	
Trichloroethene	ug/m3	58.4	68.1	117	70-134	
Vinyl chloride	ug/m3	28	35.1	125	70-132	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 1690019558 MIRRO PLANT 20
Pace Project No.: 10602311

QC Batch: 807821
QC Batch Method: TO-15
Analysis Method: TO-15
Analysis Description: TO15 MSV AIR Low Level
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10602311013, 10602311015

METHOD BLANK: 4287352 Matrix: Air
Associated Lab Samples: 10602311013, 10602311015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/m3	<0.19	1.1	04/06/22 17:38	
1,1-Dichloroethene	ug/m3	<0.14	0.81	04/06/22 17:38	
1,2-Dichloroethane	ug/m3	<0.19	0.82	04/06/22 17:38	
cis-1,2-Dichloroethene	ug/m3	<0.20	0.81	04/06/22 17:38	
Tetrachloroethene	ug/m3	<0.29	0.69	04/06/22 17:38	
trans-1,2-Dichloroethene	ug/m3	<0.17	0.81	04/06/22 17:38	
Trichloroethene	ug/m3	<0.20	0.55	04/06/22 17:38	
Vinyl chloride	ug/m3	<0.087	0.52	04/06/22 17:38	

LABORATORY CONTROL SAMPLE: 4287353

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/m3	55.2	49.5	90	70-130	
1,1-Dichloroethene	ug/m3	41.5	35.2	85	70-130	
1,2-Dichloroethane	ug/m3	42.1	35.6	84	70-134	
cis-1,2-Dichloroethene	ug/m3	41	34.6	84	70-136	
Tetrachloroethene	ug/m3	69.9	64.2	92	70-134	
trans-1,2-Dichloroethene	ug/m3	40.8	34.0	83	70-134	
Trichloroethene	ug/m3	55.7	50.8	91	70-134	
Vinyl chloride	ug/m3	26.6	21.4	81	70-132	

SAMPLE DUPLICATE: 4288193

Parameter	Units	10602316001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/m3	<0.27	<0.27		25	
1,1-Dichloroethene	ug/m3	<0.20	<0.20		25	
1,2-Dichloroethane	ug/m3	<0.28	<0.28		25	
cis-1,2-Dichloroethene	ug/m3	<0.28	<0.28		25	
Tetrachloroethene	ug/m3	<0.42	<0.42		25	
trans-1,2-Dichloroethene	ug/m3	<0.24	<0.24		25	
Trichloroethene	ug/m3	3.2	3.4	6	25	
Vinyl chloride	ug/m3	0.32J	0.33J		25	

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Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 1690019558 MIRRO PLANT 20
Pace Project No.: 10602311

SAMPLE DUPLICATE: 4288194

Parameter	Units	10602316003 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/m3	<0.29	<0.29		25	
1,1-Dichloroethene	ug/m3	<0.21	<0.21		25	
1,2-Dichloroethane	ug/m3	0.33J	<0.30		25	
cis-1,2-Dichloroethene	ug/m3	<0.30	<0.30		25	
Tetrachloroethene	ug/m3	<0.45	<0.45		25	
trans-1,2-Dichloroethene	ug/m3	<0.26	<0.26		25	
Trichloroethene	ug/m3	<0.30	<0.30		25	
Vinyl chloride	ug/m3	0.50J	0.54J		25	

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Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 1690019558 MIRRO PLANT 20
Pace Project No.: 10602311

QC Batch: 808072
QC Batch Method: TO-15
Analysis Method: TO-15
Analysis Description: TO15 MSV AIR Low Level
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10602311011

METHOD BLANK: 4288583 Matrix: Air
Associated Lab Samples: 10602311011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/m3	<0.19	1.1	04/07/22 12:05	
1,1-Dichloroethene	ug/m3	<0.14	0.81	04/07/22 12:05	
1,2-Dichloroethane	ug/m3	<0.19	0.82	04/07/22 12:05	
cis-1,2-Dichloroethene	ug/m3	<0.20	0.81	04/07/22 12:05	
Tetrachloroethene	ug/m3	<0.29	0.69	04/07/22 12:05	
trans-1,2-Dichloroethene	ug/m3	<0.17	0.81	04/07/22 12:05	
Trichloroethene	ug/m3	<0.20	1.1	04/07/22 12:05	MN
Vinyl chloride	ug/m3	<0.087	0.26	04/07/22 12:05	

LABORATORY CONTROL SAMPLE: 4288584

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/m3	59.3	57.7	97	70-130	
1,1-Dichloroethene	ug/m3	43.5	40.3	92	70-130	
1,2-Dichloroethane	ug/m3	44.4	47.4	107	70-134	
cis-1,2-Dichloroethene	ug/m3	43.4	48.1	111	70-136	
Tetrachloroethene	ug/m3	73.4	79.4	108	70-134	
trans-1,2-Dichloroethene	ug/m3	43.6	43.1	99	70-134	
Trichloroethene	ug/m3	58.4	61.1	105	70-134	
Vinyl chloride	ug/m3	28	27.4	98	70-132	

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REPORT OF LABORATORY ANALYSIS

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(612)607-1700

QUALIFIERS

Project: 1690019558 MIRRO PLANT 20
Pace Project No.: 10602311

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

SAMPLE QUALIFIERS

Sample: 10602311011

[1] The Total Hydrocarbon (THC) pattern occured in the first half of the chromatogram (before toluene).

ANALYTE QUALIFIERS

MN The reporting limit has been raised in accordance with Minnesota Statutes 4740.2100 Subpart 8. C, D. Reporting Limit Evaluation Rule.

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Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 1690019558 MIRRO PLANT 20
Pace Project No.: 10602311

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10602311001	**IA-B-1**	TO-15	807718		
10602311003	**IA-B-2**	TO-15	807718		
10602311005	**IA-B-3**	TO-15	807718		
10602311007	**OA**	TO-15	807718		
10602311009	**VP-1**	TO-15	807718		
10602311011	**VP-2**	TO-15	808072		
10602311013	**VP-3**	TO-15	807821		
10602311015	**VP-4**	TO-15	807821		
10602311002	**IA-B-1 CERT#1233**	TO-15	806744		
10602311004	**IA-B-2 CERT#1750**	TO-15	806744		
10602311006	**IA-B-3 CERT#1188**	TO-15	806744		
10602311008	**OA CERT#2702**	TO-15	806744		
10602311010	**VP-1 CERT#3902**	TO-15	806744		
10602311012	**VP-2 CERT#0713**	TO-15	806744		
10602311014	**VP-3 CERT#0007**	TO-15	806744		
10602311016	**VP-4 CERT#1582**	TO-15	806744		

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www.pacelabs.com

AIR: CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

52578

Page: 1 of 1

Section A Required Client Information:

Company: RAMBOLL
Address: 234 W. FLORIDA ST. 5TH FLOOR
MILWAUKEE WI 53204
Email To: KYLE.HEIMSTEAD
Phone: 262 901 0829 Fax:
Requested Due Date/TAT: 3/30/22 / 48 HR TAT

Section B Required Project Information:

Report To: SUSAN PETROFSKE
Copy To: PAUL LINDQUIST
Purchase Order No.:
Project Name: MIRRO PLANT 20
Project Number: 1690019553

Section C Invoice Information:

Attention: SUSAN PETROFSKE
Company Name: RAMBOLL
Address:
Pace Quote Reference:
Pace Project Manager/Sales Rep.
Pace Profile #: 43268

Program: ☐ UST ☐ Superfund ☐ Emissions ☐ Clean Air Act ☐ Voluntary Clean Up ☐ Dry Clean ☐ RCRA ☐ Other

Location of Sampling by State: WI

Reporting Units: ug/m³ X mg/m³ ___ PPBV ___ PPMV ___ Other ___

Report Level II.___ III.___ IV.___ Other___

'Section D Required Client Information

AIR SAMPLE ID
Sample IDs MUST BE UNIQUE

Valid Media Codes

MEDIA	CODE
Tedlar Bag	TB
1 Liter Summa Can	1LC
6 Liter Summa Can	6LC
Low Volume Puff	LVP
High Volume Puff	HVP
Other	PM10

ITEM #	AIR SAMPLE ID	MEDIA CODE	PID Reading (Client only)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE - END/GRAB DATE	COLLECTED COMPOSITE - END/GRAB TIME	Canister Pressure (Initial Field - in Hg)	Canister Pressure (Final Field - in Hg)	Summa Can Number	Flow Control Number	Method: PM10	3C - Fixed Gas (%)	TO-3 BTEX	TO-3M (Methane)	TO-14	TO-15 Full List VOCs	TO-15 Short List BTEX	TO-15 Short List Chlorinated	TO-15 Short List (other)	Pace Lab ID
1	IA-B-1	6LC		3/25/22	0523	3/25/22	1315	-30	-3	1233	2744						X				001 002
2	IA-B-2	6LC			0525		1317	-30	-3	1750	2615						X				003 004
3	IA-B-3	6LC			0528		1319	-30	-2	1188	0400						X				005 006
4	OA	6LC			0537		1241	-30	-3	2702	2722						X				007 008
5	VP-1	6LC			1330		1409	-30	-3	3902	2911						X				009 010
6	VP-2	6LC			1335		1412	-30	-3	713	2732						X				011 012
7	VP-3	6LC			1340		1417	-30	-3	0007	2786						X				013 014
8	VP-4	6LC		✓	1345	✓	1426	-29	-3	1582	5888						X				015 016
9																					
10																					
11																					
12																					

Comments:
- ONLY REPORT 1,1,1-TCA, 1,1-DCE 1,2-DCA, CIS-1,2-DCE, PCE, TCE TRANS-1,2-DCE, AND VINYL CHLORIDE.

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
KYLE HEIMSTEAD / RAMBOLL	3/25/22	1639	Matt Pace	3/28/22	10:54

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER:
SIGNATURE of SAMPLER:
DATE Signed (MM / DD / YY): 03/25/2022

SAMPLE CONDITIONS

—	Y/N	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N	Y/N
Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact	

WO#: 10602311
10602311

Pace Analytical®	Document Name: **Sample Condition Upon Receipt (SCUR) - Air**	Document Revised: 13Oct2021 **Page 1 of 1**
	Document No.: **ENV-FRM-MIN4-0113 Rev.01**	Pace Analytical Services - **Minneapolis**

Air Sample Condition Upon Receipt **Client Name:** Ramboll **Project #:** **WO#: 10602311**

PM: CT1 **Due Date: 03/30/22**

CLIENT: Ramboll-WI

Courier: ☒ FedEx ☐ UPS ☐ USPS ☐ Client ☐ Pace ☐ SpeeDee ☐ Commercial

Tracking Number: 975384502846, 2857, 2802 ☐ See Exception

Custody Seal on Cooler/Box Present? ☐ Yes ☒ No

Seals Intact? ☐ Yes ☐ No

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☒ Foam ☐ None ☐ Tin Can ☐ Other: _____

Date & Initials of Person Examining Contents: 3-28-22 MT

				Comments:
Chain of Custody Present?	☒ Yes	☐ No		1.
Chain of Custody Filled Out?	☒ Yes	☐ No		2.
Chain of Custody Relinquished?	☒ Yes	☐ No		3.
Sampler Name and/or Signature on COC?	☒ Yes	☐ No	☐ N/A	4.
Samples Arrived within Hold Time?	☒ Yes	☐ No		5.
Short Hold Time Analysis (<72 hr)?	☐ Yes	☒ No		6.
Rush Turn Around Time Requested?	☒ Yes	☐ No		7. 2-DAY
Sufficient Volume?	☒ Yes	☐ No		8.
Correct Containers Used? **(Tedlar bags not acceptable container for TO-15 or APH)** -Pace Containers Used?	☒ Yes ☒ Yes	☐ No ☐ No		9.
Containers Intact? **(visual inspection/no leaks when pressurized)**	☒ Yes	☐ No		10.
Media: Air Can | Airbag				11. Individually Certified Cans? Y | N (list which samples)
Is sufficient information available to reconcile samples to the COC?	☒ Yes	☐ No		12.
Do cans need to be pressurized? **(DO NOT PRESSURIZE 3C or ASTM 1946!!!)**	☒ Yes	☐ No		13.

Gauge #: ☐ 10AIR26 ☐ 10AIR34 ☐ 10AIR35 ☒ 10AIR17 ☐ 10AIR47 ☐ 10AIR48

Canisters					Canisters				
Sample Number	Can ID	Flow Controller	Initial Pressure	Final Pressure	Sample Number	Can ID	Flow Controller	Initial Pressure	Final Pressure
IA-B-1	1233	2744	-2.5	+5					
" B-2	1756	2615	-4.5						
" B-3	1188	400	-2						
OA	2702	2722	-3.5						
VP-1	3902	2911	-3.5						
"-2	713	2732	-3.5						
"-3	07	2786	-4.5						
"-4	1582	588	-4						

CLIENT NOTIFICATION/RESOLUTION **Field Data Required?** ☐ Yes ☐ No

Person Contacted: _____ Date/Time: _____

Comments/Resolution: Per Susan Petrofske, standard TAT

Project Manager Review: _____ **Date:** 3/29/22

Note: *Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e., out of hold, incorrect preservative, out of temp, incorrect containers).*

APPENDIX G

SOIL BORING LOGS AND WELL CONSTRUCTION DETAILS (2021)

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ■ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Former Mirro 20	na	MW-11

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Adam Sweet Horizon Construction	9/20/2021	9/20/2021	Direct Push

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL	Feet MSL	8.0 inches

Local Grid Origin ☒ (estimated: ☐) or Boring Location ☐
State Plane N, E S / C / N
1/4 of 1/4 of Section , T N, R
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ E Feet ☐ S Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
608426946	Calumet	8	Chilton

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
CS	60 24		1 2 3 4	**FILL:** Silty clay, with some fine to medium grained sand, trace gravel, brown to black, medium, moist.	FILL			0.0 0.0						Collected MW-11 (0-4).
			4	**FILL:** Sandy gravel, fine to coarse grained, some silt, gray, medium dense, moist to wet.	FILL									
CS	60 54		5 6	**SILT,** some fine sand, gray, medium stiff, wet.	MLS			0.0						
			6 7 8 9	**SANDY SILT,** gray, medium soft, wet.	MLS			0.0 0.0						
CS	60 48		9 10 11 12 13 14	**SILTY SAND,** some fine sand, gray, medium dense to loose, wet.	SM			0.0 0.0 0.0						
			15	EOB @ 15' bgs. Installed monitoring well MW-11.				0.0						

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm	Tel: / Fax:
	Ramboll	

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between $10 and $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 be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ■ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Former Mirro 20	na	MW-12

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Adam Sweet Horizon Construction	9/20/2021	9/20/2021	Direct Push

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL	Feet MSL	8.0 inches

Local Grid Origin ☒ (estimated: ☐) or Boring Location ☐
State Plane N, E S / C / N
1/4 of 1/4 of Section , T N, R
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ E Feet ☐ S Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
608426946	Calumet	8	Chilton

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
	60 15/36		1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	**FILL:** Silty clay, with some fine to medium grained sand, trace roots, brown to black, medium, moist.	FILL			0.0 0.0						Collected MW-12 (2-4).
				FILL: Sandy gravel, fine to coarse grained, some silt, trace brick gray, medium dense, wet.	FILL			0.0						
				Blind drill to 13'										
				EOB @ 13' bgs. Installed monitoring well MW-12.										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm	Tel: / Fax:
	Ramboll	

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ■ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Former Mirro 20	na	MW-13

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Greg Wester Horizon Construction	9/21/2021	9/21/2021	Direct Push

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL	Feet MSL	8.0 inches

Local Grid Origin ☒ (estimated: ☐) or Boring Location ☐
State Plane N, E S / C / N
1/4 of 1/4 of Section , T N, R
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ E Feet ☐ S Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
608426946	Calumet	8	Chilton

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			1	Blind drilled to 12' bgs.										
			2											
			3											
			4											
			5											
			6											
			7											
			8											
			9											
			10											
			11											
			12	EOB @ 12' bgs. Installed monitoring well MW-13.										
			13											
			14											
			15											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm	
	Ramboll	Tel: Fax:

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ■ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Former Mirro 20	na	MW-14

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Greg Wester Horizon Construction	9/22/2021	9/22/2021	Direct Push

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL	Feet MSL	8.0 inches

Local Grid Origin ☒ (estimated: ☐) or Boring Location ☐
State Plane N, E S / C / N
1/4 of 1/4 of Section , T N, R
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ E Feet ☐ S Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
608426946	Calumet	8	Chilton

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			1	Blind drilled to 12' bgs.										
			2											
			3											
			4											
			5											
			6											
			7											
			8											
			9											
			10											
			11											
			12	EOB @ 12' bgs. Installed monitoring well MW-14.										
			13											
			14											
			15											

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	Ramboll	Tel: Fax:

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ■ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Former Mirro 20	na	PZ-12

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Adam Sweet Horizon Construction	9/20/2021	9/20/2021	Direct Push

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL	Feet MSL	8.0 inches

Local Grid Origin ☒ (estimated: ☐) or Boring Location ☐
State Plane N, E S / C / N
1/4 of 1/4 of Section , T N, R
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ E Feet ☐ S Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
608426946	Calumet	8	Chilton

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
CS	60 6		1	**FILL:** Silty clay, little fine to medium grained sand, trace roots, brown to black, medium soft, moist.	FILL									
			2	**FILL:** Sandy gravel, fine to coarse grained, some silt, medium dense, moist.	FILL			0.0						
			3											
			4				▼	0.0						
CS	60 48		5	**SILT,** some fine sand, gray, medium stiff to soft, wet.										
			6											
			7					0.0						
			8											
			9					0.0						
CS	60 48		10		MLS									
			11											
			12					0.0						
			13											
			14					0.0						
CS	60 54		15											
			16											
			17											

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Signature	Firm	
	Ramboll	Tel: Fax:

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Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT
Form 4400-122A

Boring Number PZ-12 Use only as an attachment to Form 4400-122. Page 2 of 2

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			18	**SILT,** some fine sand, gray, medium stiff to soft, wet. *(continued)*	MLS			0.0						
			19					0.0						
CS	60 54		20											
			21											
			22					0.0						
			23											
			24					0.0						
CS	60 54		25											
			26											
			27					0.0						
			28											
			29					0.0						
			30	EOB @ 30' bgs. Installed monitoring well PZ-12.										

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ■ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Former Mirro 20	na	PZ-13

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Greg Wester Horizon Construction	9/21/2021	9/21/2021	Direct Push

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL	Feet MSL	8.0 inches

Local Grid Origin ☒ (estimated: ☐) or Boring Location ☐
State Plane N, E S / C / N
1/4 of 1/4 of Section , T N, R
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ E Feet ☐ S Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
608426946	Calumet	8	Chilton

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
CS	60 26		1	**ASPHALT**	ASPHALT									
			1	**FILL:** Sandy gravel, fine to coarse grained, some silt, gray to tan, medium dense, moist.	FILL									
			2					0.0						
			3	**FILL:**Silty clay, trace fine to coarse sand, tan to brown, little orange mottling, medium to soft, moist.	FILL									Collected PZ-13 (2-4).
			4					0.0						
			5	**FILL:** Sandy gravel, some silt, trace metal, gray, medium dense, moist.	FILL									
CS	60 24		6	**FILL:** Sandy silt, some gravel, tan with orange mottling, medium soft, moist to wet.	FILL									
			7	**FILL:** Sandy gravel, some silt, tan, loose, wet.	FILL			0.0						
			8											
			9					2.4						
CS	60 46		10	**CLAYEY SILTY,** some medium to coarse grained sand, tan to gray, wet.	ML									
			11	**SILT,** gray, medium stiff, wet.	ML			0.0						
			12	**SANDY SILT,** fine grained sand, gray, medium stiff, wet.	MLS									
			13					0.0						
			14											
CS	60 54		15					0.0						
			16					0.0						
			17											

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	Ramboll	

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT
Form 4400-122A

Boring Number PZ-13 Use only as an attachment to Form 4400-122.

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			18	**SAND,** fine to coarse grained, some fine gravel, tan to gray, medium dense, wet.	SW			0.0						
			19											
CS	60 46		20					0.0						
			21	**SILTY SAND,** fine grained, tan to gray, medium dense, wet.	SM									
			22					0.0						
			23	**SAND,** fine to coarse grained, some fine gravel, tan, medium dense, wet.	SW									
			24					0.0						
CS	60 30		25											
			26											
			27					0.0						
			28											
			29					0.0						
			30	EOB @ 30' bgs. Installed monitoring well PZ-13.										

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ■ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Former Mirro 20	na	PZ-14

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Greg Wester Horizon Construction	9/22/2021	9/22/2021	Direct Push

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL	Feet MSL	8.0 inches

Local Grid Origin ☒ (estimated: ☐) or Boring Location ☐
State Plane N, E S / C / N
1/4 of 1/4 of Section , T N, R
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ E Feet ☐ S Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
608426946	Calumet	8	Chilton

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
CS	60 30		1 2 3	**ASPHALT** **FILL:** Sandy gravel, fine to coarse grained, some silt, gray to tan, medium dense, moist.	ASPHALT FILL			0.0						
			4 5	**FILL:**Silty clay, some fine to coarse sand, trace gravel, dark brown to black, medium to soft, moist.	FILL			0.0						Collected PZ-14 (2-4).
CS	60 30		6											Collected PZ-14 (5-6).
			7 8	**FILL:** Sandy gravel, some silt, trace metal, gray to tan, medium dense, moist to wet.	FILL			0.0						
			9 10	**SILTY SAND,** some gravel, gray, medium dense to dense, wet.				0.0						
CS	60 54		11					0.0						
			12 13		SM			0.0						
			14 15											
CS	60 54		16 17					0.0						

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Signature	Firm	
	Ramboll	Tel: Fax:

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT
Form 4400-122A

Boring Number PZ-14 Use only as an attachment to Form 4400-122.

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			18	**SILTY SAND,** some gravel, gray, medium dense to dense, wet. *(continued)*				0.0						
			19					0.0						
CS	60 54		20		SM									
			21					0.0						
			22											
			23	**WELL GRADED GRAVELLY SAND,** fine to coarse grained, some silt and clay, gray, 2 inches of brown staining at ~28', dense, wet.				0.0						
			24											
CS	60 50		25					0.0						
			26		SWG									
			27											
			28					0.1						
			29					0.0						
			30	EOB @ 30' bgs. Installed monitoring well PZ-14.										

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ■ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Former Mirro 20	na	SB-100

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Adam Sweet Horizon Construction	9/20/2021	9/20/2021	Direct Push

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL	Feet MSL	2.0 inches

Local Grid Origin ☒ (estimated: ☐) or Boring Location ☐
State Plane N, E S / C / N
1/4 of 1/4 of Section , T N, R
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ E Feet ☐ S Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
608426946	Calumet	8	Chilton

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
CS	60 30		1	**ASPHALT**										
				FILL: Sandy gravel, fine to coarse grained, some silt, gray to tan, medium dense, moist.				0.0						
			2											
				FILL: Silty clay, trace fine sand, dark brown to black, medium to soft, moist.				0.9						
			3											
			4				▼							Collected SB-100 (2-4).
				FILL: Sandy gravel, some silt, gray, medium dense, wet.										
			5	EOB @ 5' bgs. Borehole abandoned with bentonite, finished at the surface with cement.				0.0						

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm	
	Ramboll	Tel: Fax:

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Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ■ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Former Mirro 20	na	SB-101

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Greg Wester Horizon Construction	9/21/2021	9/21/2021	Direct Push

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL	Feet MSL	2.0 inches

Local Grid Origin ☒ (estimated: ☐) or Boring Location ☐
State Plane N, E S / C / N
1/4 of 1/4 of Section , T N, R
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ E Feet ☐ S Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
608426946	Calumet	8	Chilton

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
CS	60 30		1 2 3 4 5	**FILL:** Silty sand with some clay, trace gravel, brown to black, soft, moist.				0.0						
				FILL: Sandy gravel, fine to coarse grained, some silt, gray to tan, medium dense, moist to wet.			▼	0.0						Collected SB-101 (2-4).
				EOB @ 5' bgs. Borehole abandoned with bentonite.										

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Signature	Firm	Tel: / Fax:
	Ramboll	

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ■ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Former Mirro 20	na	SB-102

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Greg Wester Horizon Construction	9/21/2021	9/21/2021	Direct Push

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL	Feet MSL	2.0 inches

Local Grid Origin ☒ (estimated: ☐) or Boring Location ☐
State Plane N, E S / C / N
1/4 of 1/4 of Section , T N, R
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ E Feet ☐ S Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
608426946	Calumet	8	Chilton

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
CS	60 30		1	**FILL:** Silty sand with some clay, grass and roots, trace gravel, brown to black, soft, moist.				0.0						
			2	**FILL:** Sandy gravel, fine to coarse grained, some silt, gray to tan, medium dense, moist.										
			3	**FILL:** Silty clay, trace medium grained sand, dark brown to black, medium stiff, moist.				0.0						Collected SB-102 (2-4).
			4				▼							
			5	**FILL:** Sandy gravel, some silt, brownish tan to gray, medium dense, wet.				0.0						
				EOB @ 5' bgs. Borehole abandoned with bentonite.										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm	
	Ramboll	Tel: Fax:

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ■ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Former Mirro 20	na	SB-103

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Greg Wester Horizon Construction	9/21/2021	9/21/2021	Direct Push

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL	Feet MSL	2.0 inches

Local Grid Origin ☒ (estimated: ☐) or Boring Location ☐
State Plane N, E S / C / N
1/4 of 1/4 of Section , T N, R
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ E Feet ☐ S Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
608426946	Calumet	8	Chilton

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
CS	60 30		1	**ASPHALT**										
			1	**FILL:** Sandy gravel, fine to coarse grained, some silt, gray to tan, medium dense, moist.				0.0						
			2	**FILL:** Silty clay, trace sand and gravel, dark brown to black, medium to soft, moist.										
			3					0.0						
			4	**FILL:** Sandy gravel, some silt, gray, medium dense, moist to wet.			▼							Collected SB-103 (1.5-3.5).
			5					0.0						
				EOB @ 5' bgs. Borehole abandoned with bentonite, finished at the surface with cement.										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm	Tel: / Fax:
	Ramboll	

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between $10 and $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 be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ■ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Former Mirro 20	na	SB-104

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Greg Wester Horizon Construction	9/21/2021	9/21/2021	Direct Push

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL	Feet MSL	2.0 inches

Local Grid Origin ☒ (estimated: ☐) or Boring Location ☐
State Plane N, E S / C / N
1/4 of 1/4 of Section , T N, R
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ E Feet ☐ S Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
608426946	Calumet	8	Chilton

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
CS	60 35		1	**FILL:** Silty clay, some roots, trace gravel, brown, soft, moist.				0.0						
			2	**FILL:** Sandy gravel, fine to coarse grained, some silt, gray to tan, medium dense, moist.										
			3	**FILL:** Silty clay, trace medoum sand, dark brown to black, medium to stiff, moist.				0.0						Collected SB-104 (2-4).
			4				▼							
			5	**FILL:** Sandy gravel, some silt, brownish-tan to gray, medium dense, wet.				0.0						
				EOB @ 5' bgs. Borehole abandoned with bentonite.										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm	
	Ramboll	Tel: Fax:

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ■ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Former Mirro 20	na	SB-105

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Greg Wester Horizon Construction	9/21/2021	9/21/2021	Direct Push

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL	Feet MSL	2.0 inches

Local Grid Origin ☒ (estimated: ☐) or Boring Location ☐
State Plane N, E S / C / N
1/4 of 1/4 of Section , T N, R
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ E Feet ☐ S Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
608426946	Calumet	8	Chilton

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
CS	60 30		1 2 3 4 5	**ASPHALT** **FILL:** Sandy gravel, fine to coarse grained, some silt, gray to tan, medium dense, moist. **FILL:** Silty clay, little to some sand and gravel (increasing with depth), trace wire and possible foundary sand, dark brown to black, medium to soft, moist. **FILL:** Sandy gravel, some silt and clay, gray to tan, medium dense, moist to wet. EOB @ 5' bgs. Borehole abandoned with bentonite, finished at the surface with cement.			▼	0.0 0.4 0.0							Collected SB-105 (2-4).

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm	
	Ramboll	Tel: Fax:

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ■ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Former Mirro 20	na	SB-106

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Greg Wester Horizon Construction	9/21/2021	9/21/2021	Direct Push

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL	Feet MSL	2.0 inches

Local Grid Origin ☒ (estimated: ☐) or Boring Location ☐
State Plane N, E S / C / N
1/4 of 1/4 of Section , T N, R
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ E Feet ☐ S Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
608426946	Calumet	8	Chilton

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
CS	60 30		1	**ASPHALT**										
				FILL: Sandy gravel, fine to coarse grained, some silt, gray to tan, medium dense, moist.				0.0						
			2	**FILL:** Silty clay, little to some sand and gravel (increasing with depth), trace wire and wood, dark brown to black, medium to soft, moist, faint petroleum odor.				0.0						
			3											
			4				▼	2.4						Collected SB-106 (2-4).
				FILL: Sandy gravel, some silt and clay, gray to tan, medium dense, moist to wet.										
			5	EOB @ 5' bgs. Borehole abandoned with bentonite, finished at the surface with cement.				0.0						

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm	Tel: / Fax:
	Ramboll	

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ■ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Former Mirro 20	na	SB-107

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Greg Wester Horizon Construction	9/21/2021	9/21/2021	Direct Push

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL	Feet MSL	2.0 inches

Local Grid Origin ☒ (estimated: ☐) or Boring Location ☐
State Plane N, E S / C / N
1/4 of 1/4 of Section , T N, R
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N Feet ☐ S ☐ E Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
608426946	Calumet	8	Chilton

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
CS	60 21		1	**FILL:** Silty clay with some sand and gravel, grass and roots, brown, soft, moist.				0.0						
			2	**FILL:** Sandy gravel, fine to coarse grained, some silt, gray to tan, medium dense, moist.										
			3	**FILL:** Silty clay, little to some sand and gravel, trace wire, roots and wood, dark brown to black, medium to soft, moist.				0.0						Collected SB-107 (2-4).
			4	**FILL:** Sandy gravel, some silt and clay, gray to tan, medium dense, moist to wet.			▼							
			5	EOB @ 5' bgs. Borehole abandoned with bentonite.				0.0						

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature | Firm Ramboll | Tel: Fax:

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ■ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Former Mirro 20	na	SB-108

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Greg Wester Horizon Construction	9/21/2021	9/21/2021	Direct Push

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL	Feet MSL	2.0 inches

Local Grid Origin ☒ (estimated: ☐) or Boring Location ☐
State Plane N, E S / C / N
1/4 of 1/4 of Section , T N, R
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ E Feet ☐ S Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
608426946	Calumet	8	Chilton

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
CS	60 30		1	**ASPHALT**										
				FILL: Sandy gravel, fine to coarse grained, some silt, gray to tan, medium dense, moist.				0.0						
			2	**FILL:** Silty clay, little to some sand and gravel, trace red brick, dark brown to black, medium to soft, moist.										
			3					0.0						
				FILL: Silty clay, trace roots, dark brown to black with dark gray mottling, medium, moist.										Collected SB-108 (2-4).
			4											
			5				▼							
CS	60 45			**FILL:** Sandy gravel, some silt and clay, gray, medium dense, wet.				0.1						
			6	**SILTY SAND,** little clay, loose, wet.				0.0						
			7											
			8					0.0						
			9											
			10	EOB @ 5' bgs. Borehole abandoned with bentonite, finished at the surface with cement.										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm	
	Ramboll	Tel: Fax:

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between $10 and $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 be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Facility/Project Name Former Mirro 20	**Local Grid Location of Well** ☐ N. ☐ S. 667923 ft. ☐ E. ☐ W. 397300 ft.	**Well Name** MW-11
Facility License, Permit or Monitoring No. 06-08-426946	**Local Grid Origin** ☐ (estimated: ☐) or **Well Location** ☐ Lat. ___ ° ___ ' ___ " Long. ___ ° ___ ' ___ " or	**Wis. Unique Well No.** _____ **DNR Well ID No.** _____
Facility ID 408021130	**St. Plane** 479678.657 ft. N, 894337.735 ft. E. S/C/N	**Date Well Installed** 09/20/2021 (m m d d y y y y)
Type of Well Well Code 11 / mw	**Section Location of Waste/Source** NE 1/4 of NW 1/4 of Sec. 18, T. 18 N, R. 20 ☒ E. ☐ W.	**Well Installed By: Name (first, last) and Firm** Adam Sweet Horizon Construction
Distance from Waste/ Source _____ ft. **Enf. Stds. Apply** ☒	**Location of Well Relative to Waste/Source** u ☐ Upgradient s ☐ Sidegradient d ☒ Downgradient n ☐ Not Known	**Gov. Lot Number** _____

A. Protective pipe, top elevation _____ ft. MSL

B. Well casing, top elevation 846.662 ft. MSL

C. Land surface elevation 844.6 ft. MSL

D. Surface seal, bottom _____ ft. MSL or 0 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☒ SC ☐ ML ☒ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis performed? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50
Hollow Stem Auger ☒ 41
Other ☐

15. Drilling fluid used: Water ☐ 02 Air ☐ 01
Drilling Mud ☐ 03 None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No

Describe _____

17. Source of water (attach analysis, if required):

E. Bentonite seal, top _____ ft. MSL or 0 ft.

F. Fine sand, top _____ ft. MSL or 1 ft.

G. Filter pack, top _____ ft. MSL or 2 ft.

H. Screen joint, top _____ ft. MSL or 3 ft.

I. Well bottom _____ ft. MSL or 13 ft.

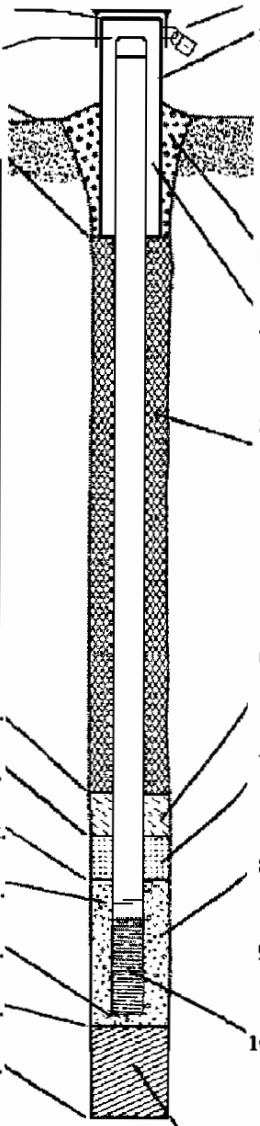
J. Filter pack, bottom _____ ft. MSL or 13 ft.

K. Borehole, bottom _____ ft. MSL or 15 ft.

L. Borehole, diameter 8.25 in.

M. O.D. well casing 2.4 in.

N. I.D. well casing 2.0 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 4 in.
b. Length: 5 ft.
c. Material: Steel ☒ 04 Other ☐ __
d. Additional protection? ☐ Yes ☒ No
If yes, describe: _____
3. Surface seal: Bentonite ☒ 30 Concrete ☐ 01 Other ☐ __
4. Material between well casing and protective pipe: Bentonite ☒ 30 Other ☐ __
5. Annular space seal: a. Granular/Chipped Bentonite ☒ 33
b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. _____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. 0.34 Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01 Tremie pumped ☐ 02 Gravity ☒ 08
6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite chips ☒ 32
c. _____ Other ☐ __
7. Fine sand material: Manufacturer, product name & mesh size
a. Red Flint 15
b. Volume added 0.34 ft^3
8. Filter pack material: Manufacturer, product name & mesh size
a. Red Flint 40
b. Volume added 3.74 ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 23 Flush threaded PVC schedule 80 ☐ 24 Other ☐ __
10. Screen material: PVC
a. Screen type: Factory cut ☐ 11 Continuous slot ☒ 01 Other ☐ __
b. Manufacturer _____
c. Slot size: 0.010 in.
d. Slotted length: 10 ft.
11. Backfill material (below filter pack): None ☐ 14 Natural Collapse Other ☒ __

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
	Ramboll US Consulting Inc.

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Facility/Project Name: Former Mirro 20	Local Grid Location of Well: 667923 ft. ☐N. ☐S. 397300 ft. ☐E. ☐W.	Well Name: MW-12
Facility License, Permit or Monitoring No.: 06-08-426946	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. ___ ° ___ ' ___ " Long. ___ ° ___ ' ___ " or	Wis. Unique Well No.: _____ DNR Well ID No.: _____
Facility ID: 408021130	St. Plane 479638.644 ft. N, 894174.526 ft. E. S/C/N	Date Well Installed: 09/20/2021 (m m d d y y y y)
Type of Well: Well Code 11 / mw	Section Location of Waste/Source: NE 1/4 of NW 1/4 of Sec. 18, T. 18 N, R. 20 ☒E ☐W	Well Installed By: Name (first, last) and Firm: Adam Sweet; Horizon Construction
Distance from Waste/Source _____ ft. Enf. Stds. Apply ☒	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☒ Downgradient n ☐ Not Known	Gov. Lot Number: _____

A. Protective pipe, top elevation _____ ft. MSL

B. Well casing, top elevation 848.228 ft. MSL

C. Land surface elevation 845.587 ft. MSL

D. Surface seal, bottom _____ ft. MSL or 0 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☒ SC ☐ ML ☒ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis performed? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50 Hollow Stem Auger ☒ 41 Other ☐ _____

15. Drilling fluid used: Water ☐ 02 Air ☐ 01 Drilling Mud ☐ 03 None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No

Describe _____

17. Source of water (attach analysis, if required):

E. Bentonite seal, top _____ ft. MSL or 0 ft.

F. Fine sand, top _____ ft. MSL or 1 ft.

G. Filter pack, top _____ ft. MSL or 2 ft.

H. Screen joint, top _____ ft. MSL or 3 ft.

I. Well bottom _____ ft. MSL or 13 ft.

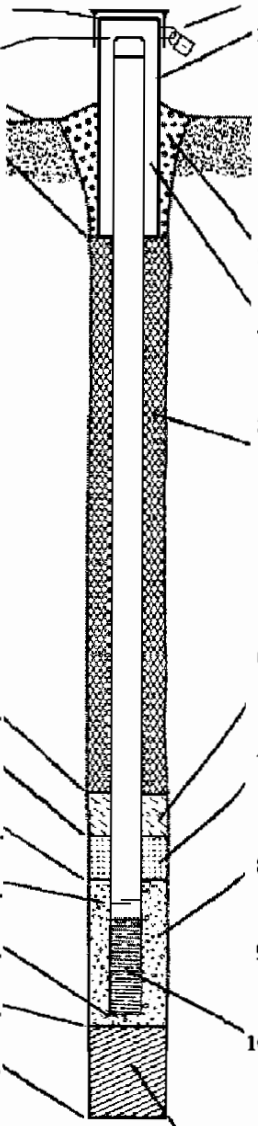
J. Filter pack, bottom _____ ft. MSL or 13 ft.

K. Borehole, bottom _____ ft. MSL or 13 ft.

L. Borehole, diameter 8.25 in.

M. O.D. well casing 2.4 in.

N. I.D. well casing 2.0 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 4 in.
b. Length: 5 ft.
c. Material: Steel ☒ 04 Other ☐ __
d. Additional protection? ☐ Yes ☒ No
If yes, describe: _____
3. Surface seal: Bentonite ☒ 30 Concrete ☐ 01 Other ☐ __
4. Material between well casing and protective pipe: Bentonite ☒ 30 Other ☐ __
5. Annular space seal: a. Granular/Chipped Bentonite ☒ 33
b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. _____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. 0.34 Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01 Tremie pumped ☐ 02 Gravity ☒ 08
6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐1/4 in. ☒3/8 in. ☐1/2 in. Bentonite chips ☒ 32
c. _____ Other ☐ __
7. Fine sand material: Manufacturer, product name & mesh size
a. Red Flint 15
b. Volume added 0.34 ft^3
8. Filter pack material: Manufacturer, product name & mesh size
a. Red Flint 40
b. Volume added 3.74 ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 23 Flush threaded PVC schedule 80 ☐ 24 Other ☐ __
10. Screen material: PVC
a. Screen type: Factory cut ☐ 11 Continuous slot ☒ 01 Other ☐ __
b. Manufacturer _____
c. Slot size: 0.010 in.
d. Slotted length: 10 ft.
11. Backfill material (below filter pack): None ☒ 14 Other ☐ __

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature _____ Firm Ramboll US Consulting Inc.

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Facility/Project Name: Former Mirro 20	Local Grid Location of Well: 667923 ft. ☐N. ☐S. 397300 ft. ☐E. ☐W.	Well Name: PZ-12
Facility License, Permit or Monitoring No.: 06-08-426946	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. ___ ° ___ ' ___ " Long. ___ ° ___ ' ___ " or	Wis. Unique Well No.: _____ DNR Well ID No.: _____
Facility ID: 408021130	St. Plane 479635.901 ft. N, 894170.825 ft. E. S/C/N	Date Well Installed: 09/20/2021 (m m d d y y y y)
Type of Well: Well Code 12 / pz	Section Location of Waste/Source: NE 1/4 of NW 1/4 of Sec. 18, T. 18 N, R. 20 ☒E ☐W	Well Installed By: Name (first, last) and Firm: Adam Sweet / Horizon Construction
Distance from Waste/Source _____ ft. Enf. Stds. Apply ☒	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☒ Downgradient n ☐ Not Known	Gov. Lot Number: _____

A. Protective pipe, top elevation _____ ft. MSL

B. Well casing, top elevation 847.747 ft. MSL

C. Land surface elevation 845.627 ft. MSL

D. Surface seal, bottom _____ ft. MSL or 0 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☒ SC ☐ ML ☒ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis performed? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50 Hollow Stem Auger ☒ 41 Other ☐ _____

15. Drilling fluid used: Water ☐ 02 Air ☐ 01 Drilling Mud ☐ 03 None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No

Describe _____

17. Source of water (attach analysis, if required):

E. Bentonite seal, top _____ ft. MSL or 0 ft.

F. Fine sand, top _____ ft. MSL or 22 ft.

G. Filter pack, top _____ ft. MSL or 23 ft.

H. Screen joint, top _____ ft. MSL or 25 ft.

I. Well bottom _____ ft. MSL or 30 ft.

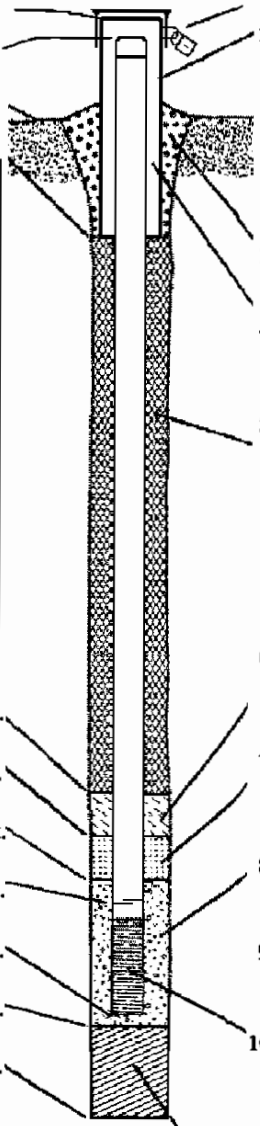
J. Filter pack, bottom _____ ft. MSL or 30 ft.

K. Borehole, bottom _____ ft. MSL or 30 ft.

L. Borehole, diameter 8.25 in.

M. O.D. well casing 2.4 in.

N. I.D. well casing 2.0 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
   a. Inside diameter: 4 in.
   b. Length: 5 ft.
   c. Material: Steel ☒ 04 Other ☐ ___
   d. Additional protection? ☐ Yes ☒ No
   If yes, describe: _____
3. Surface seal: Bentonite ☒ 30 Concrete ☐ 01 Other ☐ ___
4. Material between well casing and protective pipe: Bentonite ☒ 30 Other ☐ ___
5. Annular space seal: a. Granular/Chipped Bentonite ☒ 33
   b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
   c. _____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
   d. _____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
   e. 7.48 Ft^3 volume added for any of the above
   f. How installed: Tremie ☐ 01 Tremie pumped ☐ 02 Gravity ☒ 08
6. Bentonite seal: a. Bentonite granules ☐ 33
   b. ☐1/4 in. ☒3/8 in. ☐1/2 in. Bentonite chips ☒ 32
   c. _____ Other ☐ ___
7. Fine sand material: Manufacturer, product name & mesh size
   a. Red Flint 15
   b. Volume added 0.34 ft^3
8. Filter pack material: Manufacturer, product name & mesh size
   a. Red Flint 40
   b. Volume added 2.38 ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 23 Flush threaded PVC schedule 80 ☐ 24 Other ☐ ___
10. Screen material: PVC
    a. Screen type: Factory cut ☐ 11 Continuous slot ☒ 01 Other ☐ ___
    b. Manufacturer _____
    c. Slot size: 0.010 in.
    d. Slotted length: 5 ft.
11. Backfill material (below filter pack): None ☒ 14 Other ☐ ___

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
	Ramboll US Consulting Inc.

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Facility/Project Name Former Mirro 20	**Local Grid Location of Well** ☐ N. ☐ S. 667923 ft. ☐ E. ☐ W. 397300 ft.	**Well Name** MW-13
Facility License, Permit or Monitoring No. 06-08-426946	**Local Grid Origin** ☐ (estimated: ☐) or **Well Location** ☐ Lat. ___ ° ___ ' ___ " Long. ___ ° ___ ' ___ " or	**Wis. Unique Well No.** _____ **DNR Well ID No.** _____
Facility ID 4 0 8 0 2 1 1 3 0	**St. Plane** 479253.463 ft. N, 894221.821 ft. E. S/C/N	**Date Well Installed** m m / d d / y y y y 0 9 / 2 1 / 2 0 2 1
Type of Well Well Code 11 / mw	**Section Location of Waste/Source** NE 1/4 of NW 1/4 of Sec. 18, T. 18 N, R. 20 ☒ E. ☐ W.	**Well Installed By: Name (first, last) and Firm** Greg Wester Horizon Construction
Distance from Waste/ Source _____ ft. **Enf. Stds. Apply** ☒	**Location of Well Relative to Waste/Source** u ☐ Upgradient s ☒ Sidegradient d ☐ Downgradient n ☐ Not Known	**Gov. Lot Number** _____

A. Protective pipe, top elevation _____ ft. MSL

B. Well casing, top elevation 847.716 ft. MSL

C. Land surface elevation 848.21 ft. MSL

D. Surface seal, bottom _____ ft. MSL or 0.3 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☒ SC ☐ ML ☒ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis performed? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 5 0
Hollow Stem Auger ☒ 4 1
Other ☐

15. Drilling fluid used: Water ☐ 0 2 Air ☐ 0 1
Drilling Mud ☐ 0 3 None ☒ 9 9

16. Drilling additives used? ☐ Yes ☒ No

Describe _____

17. Source of water (attach analysis, if required):

E. Bentonite seal, top _____ ft. MSL or 0.3 ft.

F. Fine sand, top _____ ft. MSL or 1 ft.

G. Filter pack, top _____ ft. MSL or 2 ft.

H. Screen joint, top _____ ft. MSL or 3 ft.

I. Well bottom _____ ft. MSL or 13 ft.

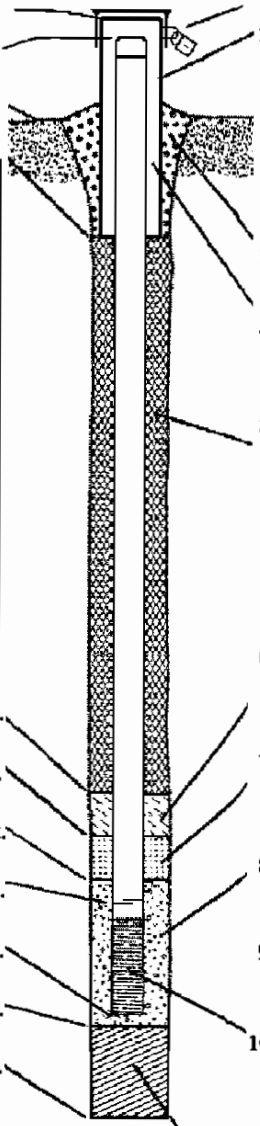
J. Filter pack, bottom _____ ft. MSL or 13 ft.

K. Borehole, bottom _____ ft. MSL or 13 ft.

L. Borehole, diameter 8.25 in.

M. O.D. well casing 2.4 in.

N. I.D. well casing 2.0 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 10 in.
b. Length: 1 ft.
c. Material: Steel ☒ 0 4 Other ☐ _____
d. Additional protection? ☐ Yes ☒ No
If yes, describe: _____
3. Surface seal: Bentonite ☐ 3 0 Concrete ☒ 0 1 Other ☐ _____
4. Material between well casing and protective pipe: Bentonite ☒ 3 0 Other ☐ _____
5. Annular space seal: a. Granular/Chipped Bentonite ☒ 3 3
b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 3 5
c. _____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 3 1
d. _____ % Bentonite . . . . . Bentonite-cement grout ☐ 5 0
e. 0.23 Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 0 1 Tremie pumped ☐ 0 2 Gravity ☒ 0 8
6. Bentonite seal: a. Bentonite granules ☐ 3 3
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite chips ☒ 3 2
c. _____ Other ☐ _____
7. Fine sand material: Manufacturer, product name & mesh size
a. Red Flint 15
b. Volume added 0.34 ft^3
8. Filter pack material: Manufacturer, product name & mesh size
a. Red Flint 40
b. Volume added 3.74 ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 2 3 Flush threaded PVC schedule 80 ☐ 2 4 Other ☐ _____
10. Screen material: PVC
a. Screen type: Factory cut ☐ 1 1 Continuous slot ☒ 0 1 Other ☐ _____
b. Manufacturer _____
c. Slot size: 0.010 in.
d. Slotted length: 10 ft.
11. Backfill material (below filter pack): None ☒ 1 4 Other ☐ _____

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
	Ramboll US Consulting Inc.

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Facility/Project Name: Former Mirro 20	Local Grid Location of Well: 667923 ft. ☐ N. ☐ S. 397300 ft. ☐ E. ☐ W.	Well Name: PZ-13
Facility License, Permit or Monitoring No.: 06-08-426946	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. ° ' " Long. ° ' " or	Wis. Unique Well No.:	DNR Well ID No.:
Facility ID: 408021130	St. Plane 479256.658 ft. N, 894223.993 ft. E. S/C/N	Date Well Installed: 09/21/2021 (m m d d y y y y)
Type of Well: Well Code 12 / pz	Section Location of Waste/Source: NE 1/4 of NW 1/4 of Sec. 18, T. 18 N, R. 20 ☒ E ☐ W	Well Installed By: Name (first, last) and Firm: Greg Wester / Horizon Construction
Distance from Waste/Source _____ ft. Enf. Stds. Apply ☒	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☒ Sidegradient d ☐ Downgradient n ☐ Not Known	Gov. Lot Number:

A. Protective pipe, top elevation _____ ft. MSL

B. Well casing, top elevation 847.743 ft. MSL

C. Land surface elevation 848.172 ft. MSL

D. Surface seal, bottom _____ ft. MSL or 0.3 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☒ SC ☐ ML ☒ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis performed? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50
Hollow Stem Auger ☒ 41
Other ☐

15. Drilling fluid used: Water ☐ 02 Air ☐ 01
Drilling Mud ☐ 03 None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No

Describe _____

17. Source of water (attach analysis, if required):

E. Bentonite seal, top _____ ft. MSL or 0.3 ft.

F. Fine sand, top _____ ft. MSL or 21.5 ft.

G. Filter pack, top _____ ft. MSL or 22.5 ft.

H. Screen joint, top _____ ft. MSL or 24.5 ft.

I. Well bottom _____ ft. MSL or 29.5 ft.

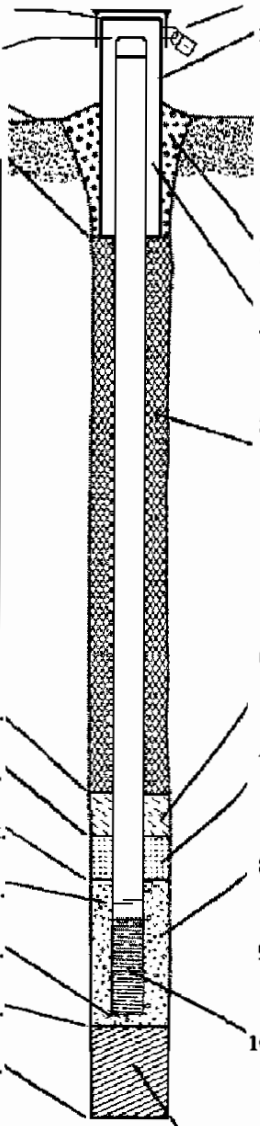
J. Filter pack, bottom _____ ft. MSL or 29.5 ft.

K. Borehole, bottom _____ ft. MSL or 30 ft.

L. Borehole, diameter 8.25 in.

M. O.D. well casing 2.4 in.

N. I.D. well casing 2.0 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 10 in.
b. Length: 1 ft.
c. Material: Steel ☒ 04 Other ☐ __
d. Additional protection? ☐ Yes ☒ No
If yes, describe: _____
3. Surface seal: Bentonite ☐ 30 Concrete ☒ 01 Other ☐ __
4. Material between well casing and protective pipe: Bentonite ☒ 30 Other ☐ __
5. Annular space seal: a. Granular/Chipped Bentonite ☒ 33
b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. _____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. 7.21 Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01 Tremie pumped ☐ 02 Gravity ☒ 08
6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite chips ☒ 32
c. _____ Other ☐ __
7. Fine sand material: Manufacturer, product name & mesh size
a. Red Flint 15
b. Volume added 0.34 ft^3
8. Filter pack material: Manufacturer, product name & mesh size
a. Red Flint 40
b. Volume added 2.38 ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 23 Flush threaded PVC schedule 80 ☐ 24 Other ☐ __
10. Screen material: PVC
a. Screen type: Factory cut ☐ 11 Continuous slot ☒ 01 Other ☐ __
b. Manufacturer _____
c. Slot size: 0.010 in.
d. Slotted length: 5 ft.
11. Backfill material (below filter pack): None ☐ 14 Natural Collapse Other ☒ __

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
	Ramboll US Consulting Inc.

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Facility/Project Name: Former Mirro 20	**Local Grid Location of Well**: 667923 ft. ☐N. ☐S. 397300 ft. ☐E. ☐W.	**Well Name**: MW-14
Facility License, Permit or Monitoring No.: 06-08-426946	**Local Grid Origin** ☐ (estimated: ☐) or **Well Location** ☐ Lat. ___ ° ___ ' ___ " Long. ___ ° ___ ' ___ " or	**Wis. Unique Well No.**: _____ **DNR Well ID No.**: _____
Facility ID: 408021130	**St. Plane** 479243.124 ft. N, 894150.91 ft. E. S/C/N	**Date Well Installed**: 09/22/2021 (m m / d d / y y y y)
Type of Well Well Code 11 / mw	**Section Location of Waste/Source** NE 1/4 of NW 1/4 of Sec. 18, T. 18 N, R. 20 ☒E ☐W	**Well Installed By: Name (first, last) and Firm**: Greg Wester / Horizon Construction
Distance from Waste/Source _____ ft. **Enf. Stds. Apply** ☒	**Location of Well Relative to Waste/Source** u ☐ Upgradient s ☐ Sidegradient d ☒ Downgradient n ☐ Not Known	**Gov. Lot Number**: _____

A. Protective pipe, top elevation _____ ft. MSL

B. Well casing, top elevation 847.735 ft. MSL

C. Land surface elevation 848.45 ft. MSL

D. Surface seal, bottom _____ ft. MSL or 0.3 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☒ SC ☐ ML ☒ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis performed? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50
Hollow Stem Auger ☒ 41
Other ☐

15. Drilling fluid used: Water ☐ 02 Air ☐ 01
Drilling Mud ☐ 03 None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No
Describe _____

17. Source of water (attach analysis, if required):
_____

E. Bentonite seal, top _____ ft. MSL or 0.3 ft.

F. Fine sand, top _____ ft. MSL or 1.5 ft.

G. Filter pack, top _____ ft. MSL or 2 ft.

H. Screen joint, top _____ ft. MSL or 2 ft.

I. Well bottom _____ ft. MSL or 12 ft.

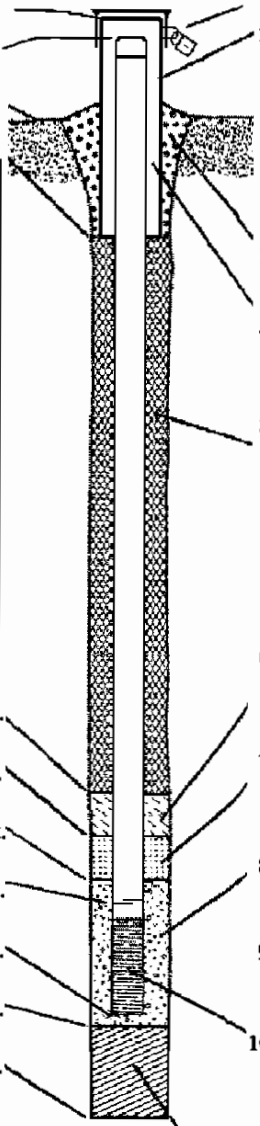
J. Filter pack, bottom _____ ft. MSL or 12 ft.

K. Borehole, bottom _____ ft. MSL or 12 ft.

L. Borehole, diameter 8.25 in.

M. O.D. well casing 2.4 in.

N. I.D. well casing 2.0 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 10 in.
b. Length: 1 ft.
c. Material: Steel ☒ 04 Other ☐ __
d. Additional protection? ☐ Yes ☒ No
If yes, describe: _____
3. Surface seal: Bentonite ☐ 30 Concrete ☒ 01 Other ☐ __
4. Material between well casing and protective pipe: Bentonite ☒ 30 Other ☐ __
5. Annular space seal: a. Granular/Chipped Bentonite ☒ 33
b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. _____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. 0.41 Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01 Tremie pumped ☐ 02 Gravity ☒ 08
6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐1/4 in. ☒3/8 in. ☐1/2 in. Bentonite chips ☒ 32
c. _____ Other ☐ __
7. Fine sand material: Manufacturer, product name & mesh size
a. Red Flint 15
b. Volume added 0.17 ft^3
8. Filter pack material: Manufacturer, product name & mesh size
a. Red Flint 40
b. Volume added 3.40 ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 23 Flush threaded PVC schedule 80 ☐ 24 Other ☐ __
10. Screen material: PVC
a. Screen type: Factory cut ☐ 11 Continuous slot ☒ 01 Other ☐ __
b. Manufacturer _____
c. Slot size: 0.010 in.
d. Slotted length: 10 ft.
11. Backfill material (below filter pack): None ☒ 14 Other ☐ __

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
	Ramboll US Consulting Inc.

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Facility/Project Name: Former Mirro 20	Local Grid Location of Well: 667923 ft. ☐ N. ☐ S. 397300 ft. ☐ E. ☐ W.	Well Name: PZ-14
Facility License, Permit or Monitoring No.: 06-08-426946	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. ___ ° ___ ' ___ " Long. ___ ° ___ ' ___ " or	Wis. Unique Well No.: _____ DNR Well ID No.: _____
Facility ID: 408021130	St. Plane 479244.308 ft. N, 894149.502 ft. E. S/C/N	Date Well Installed: 09/22/2021 (m m d d y y y y)
Type of Well: Well Code 12 / pz	Section Location of Waste/Source: NE 1/4 of NW 1/4 of Sec. 18, T. 18 N, R. 20 ☒ E ☐ W	Well Installed By: Name (first, last) and Firm: Greg Wester / Horizon Construction
Distance from Waste/Source _____ ft. Enf. Stds. Apply ☒	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☒ Downgradient n ☐ Not Known	Gov. Lot Number: _____

A. Protective pipe, top elevation _____ ft. MSL

B. Well casing, top elevation 848.131 ft. MSL

C. Land surface elevation 848.524 ft. MSL

D. Surface seal, bottom _____ ft. MSL or 0.3 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☒ SC ☐ ML ☒ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis performed? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50
Hollow Stem Auger ☒ 41
Other ☐

15. Drilling fluid used: Water ☐ 02 Air ☐ 01
Drilling Mud ☐ 03 None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No

Describe _____

17. Source of water (attach analysis, if required):

E. Bentonite seal, top _____ ft. MSL or 0.3 ft.

F. Fine sand, top _____ ft. MSL or 21.5 ft.

G. Filter pack, top _____ ft. MSL or 22.5 ft.

H. Screen joint, top _____ ft. MSL or 24.5 ft.

I. Well bottom _____ ft. MSL or 29.5 ft.

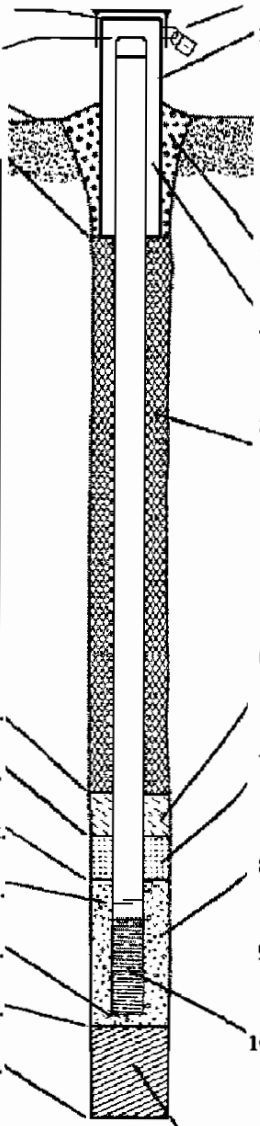
J. Filter pack, bottom _____ ft. MSL or 29.5 ft.

K. Borehole, bottom _____ ft. MSL or 30 ft.

L. Borehole, diameter 8.25 in.

M. O.D. well casing 2.4 in.

N. I.D. well casing 2.0 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 10 in.
b. Length: 1 ft.
c. Material: Steel ☒ 04 Other ☐ __
d. Additional protection? ☐ Yes ☒ No
If yes, describe: _____
3. Surface seal: Bentonite ☐ 30 Concrete ☒ 01 Other ☐ __
4. Material between well casing and protective pipe: Bentonite ☒ 30 Other ☐ __
5. Annular space seal: a. Granular/Chipped Bentonite ☒ 33
b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. _____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. 7.21 Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01 Tremie pumped ☐ 02 Gravity ☒ 08
6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite chips ☒ 32
c. _____ Other ☐ __
7. Fine sand material: Manufacturer, product name & mesh size
a. Red Flint 15
b. Volume added 0.34 ft^3
8. Filter pack material: Manufacturer, product name & mesh size
a. Red Flint 40
b. Volume added 2.38 ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 23 Flush threaded PVC schedule 80 ☐ 24 Other ☐ __
10. Screen material: PVC
a. Screen type: Factory cut ☐ 11 Continuous slot ☒ 01 Other ☐ __
b. Manufacturer _____
c. Slot size: 0.010 in.
d. Slotted length: 5 ft.
11. Backfill material (below filter pack): None ☒ 14 Other ☐ __

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature _____ Firm Ramboll US Consulting Inc.

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.