State of Wisconsin
Department of Natural Resources
PO Box 7921, Madison WI 53707-7921
dnr.wi.gov

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

Form 4400-237 (R 10/21)

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

Definitions

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

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

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

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

Select the Correct Form

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

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

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

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

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

Instructions

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

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

Section 1. Contact and Recipient Information

Requester Information

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

Last Name	First	MI	Organization/ Business Name		
Martino	Dan		Martinos Master Drycleaners		
Mailing Address			City	State	ZIP Code
7513 41st Avenue			Kenosha	WI	53142
Phone # (include area code)	Fax # (include area code)		Email		
			danmartinosr@aol.com		

The requester listed above: (select all that apply)

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

Contact Information (to be contacted with questions about this request)

☐ Select if same as requester

Contact Last Name	First	MI	Organization/ Business Name		
Mailing Address			City	State	ZIP Code
Phone # (include area code)	Fax # (include area code)		Email		

Environmental Consultant (if applicable)

Contact Last Name	First	MI	Organization/ Business Name		
Lewis	Brad	K	EnviroForensics		
Mailing Address			City	State	ZIP Code
825 North Capitol			Indianapolis	IN	46204
Phone # (include area code)	Fax # (include area code)		Email		
(317) 696-7409			blewis@enviroforensics.com		

Section 2. Property Information

Property Name			FID No. (if known)		
Martino's Master Drycleaners					
BRRTS No. (if known)			Parcel Identification Number		
02-30-552188					
Street Address			City	State	ZIP Code
7513 41st Avenue			Kenosha	WI	53142
County	Municipality where the Property is located		Property is composed of:		Property Size Acres
Kenosha	◉ City ○ Town ○ Village of		○ Single tax parcel ○ Multiple tax parcels		

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

◉ No ○ Yes

Date requested by: _____

Reason:

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

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

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

Fill out the information in Section 3, 4 or 5 which corresponds with the type of request:
Section 3. Technical Assistance or Post-Closure Modifications;
Section 4. Liability Clarification; or Section 5. Specialized Agreement.

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

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

☐ No Further Action Letter (NFA) (Immediate Actions) - NR 708.09, [183] - Include a fee of $350. Use for a written response to an immediate action after a discharge of a hazardous substance occurs. Generally, these are for a one-time spill event.

☐ Review of Site Investigation Work Plan - NR 716.09, [135] - **Include a fee of $700.**

☐ Review of Site Investigation Report - NR 716.15, [137] - **Include a fee of $1050.**

☐ Approval of a Site-Specific Soil Cleanup Standard - NR 720.10 or 12, [67] - **Include a fee of $1050.**

☐ Review of a Remedial Action Options Report - NR 722.13, [143] - **Include a fee of $1050.**

☐ Review of a Remedial Action Design Report - NR 724.09, [148] - **Include a fee of $1050.**

☐ Review of a Remedial Action Documentation Report - NR 724.15, [152] - **Include a fee of $350**

☐ Review of a Long-term Monitoring Plan - NR 724.17, [25] - **Include a fee of $425.**

☐ Review of an Operation and Maintenance Plan - NR 724.13, [192] - **Include a fee of $425.**

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

☐ Schedule a Technical Assistance Meeting - **Include a fee of $700.**

☐ Hazardous Waste Determination - **Include a fee of $700.**

☒ Other Technical Assistance - **Include a fee of $700.** Explain your request in an attachment.

Post-Closure Modifications - NR 727, [181]

☐ Post-Closure Modifications: Modification to Property boundaries and/or continuing obligations of a closed site or Property; sites may be on the GIS Registry. This also includes removal of a site or Property from the GIS Registry. **Include a fee of $1050, and:**

☐ Include a fee of $300 for sites with residual soil contamination; and

☐ Include a fee of $350 for sites with residual groundwater contamination, monitoring wells or for vapor intrusion continuing obligations.

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

Section 4. Request for Liability Clarification

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

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

❖ **Include a fee of $700.**

Provide the following documentation:

(1) ownership status of the real Property, and/or the personal Property and fixtures;

(2) an environmental assessment, in accordance with s. 292.21, Wis. Stats.;

(3) the date the environmental assessment was conducted by the lender;

(4) the date of the Property acquisition; for foreclosure actions, include a copy of the signed and dated court order confirming the sheriff's sale.

(5) documentation showing how the Property was acquired and the steps followed under the appropriate state statutes.

(6) a copy of the Property deed with the correct legal description; and,

(7) the Lender Liability Exemption Environmental Assessment Tracking Form (Form 4400-196).

(8) If no sampling was done, please provide reasoning as to why it was **not** conducted. Include this either in the accompanying environmental assessment or as an attachment to this form, and cite language in s. 292. 21(1)(c)2.,h.-i., Wis. Stats.:

h. The collection and analysis of representative samples of soil or other materials in the ground that are suspected of being contaminated based on observations made during a visual inspection of the real Property or based on aerial photographs, or other information available to the lender, including stained or discolored soil or other materials in the ground and including soil or materials in the ground in areas with dead or distressed vegetation. The collection and analysis shall identify contaminants in the soil or other materials in the ground and shall quantify concentrations.

i. The collection and analysis of representative samples of unknown wastes or potentially hazardous substances found on the real Property and the determination of concentrations of hazardous waste and hazardous substances found in tanks, drums or other containers or in piles or lagoons on the real Property.

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

❖ **Include a fee of $700.**

Provide the following documentation:

(1) ownership status of the Property;

(2) the date of Property acquisition by the representative;

(3) the means by which the Property was acquired;

(4) documentation that the representative has no beneficial interest in any entity that owns, possesses, or controls the Property;

(5) documentation that the representative has not caused any discharge of a hazardous substance on the Property; and

(6) a copy of the Property deed with the correct legal description.

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

☐ hazardous substances spills - s. 292.11(9)(e), Wis. Stats. [649];

☐ Perceived environmental contamination - [649];

☐ hazardous waste - s. 292.24 (2), Wis. Stats. [649]; and/or

☐ solid waste - s. 292.23 (2), Wis. Stats. [649].

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

(1) clear supporting documentation showing the acquisition method used, and the steps followed under the appropriate state statute(s).

(2) current and proposed ownership status of the Property;

(3) date and means by which the Property was acquired by the LGU, where applicable;

(4) a map and the ¼, ¼ section location of the Property;

(5) summary of current uses of the Property;

(6) intended or potential use(s) of the Property;

(7) descriptions of other investigations that have taken place on the Property; and

(8) (for solid waste clarifications) a summary of the license history of the facility.

Section 4. Request for Liability Clarification (cont.)

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

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

(1) a copy of the proposed lease;

(2) the name of the current owner of the Property and the person who will lease the Property;

(3) a description of the lease holder's association with any persons who have possession, control, or caused a discharge of a hazardous substance on the Property;

(4) map(s) showing the Property location and any suspected or known sources of contamination detected on the Property;

(5) a description of the intended use of the Property by the lease holder, with reference to the maps to indicate which areas will be used. Explain how the use will not interfere with any future investigation or cleanup at the Property; and

(6) all reports or investigations (e.g. Phase I and Phase II Environmental Assessments and/or Site Investigation Reports conducted under s. NR 716, Wis. Adm. Code) that identify areas of the Property where a discharge has occurred.

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

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

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

- ❖ **Include a fee of $700.**

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

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

- ❖ **Include a fee of $700.**

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

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

Section 5. Request for a Specialized Agreement

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

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

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

(1) Phase I and II Environmental Site Assessment Reports,

(2) a copy of the Property deed with the correct legal description.

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

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

(1) Phase I and II Environmental Site Assessment Reports,

(2) a copy of the Property deed with the correct legal description.

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

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

(1) a draft schedule for remediation; and,

(2) the name, mailing address, phone and email for each party to the agreement.

Section 6. Other Information Submitted

Identify all materials that are included with this request.

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

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

- ☐ Phase I Environmental Site Assessment Report - Date: _____
- ☐ Phase II Environmental Site Assessment Report - Date: _____
- ☐ Legal Description of Property (required for all liability requests and specialized agreements)
- ☐ Map of the Property (required for all liability requests and specialized agreements)

Analytical results of the following sampled media: Select all that apply and include date of collection.

☐ Groundwater ☐ Soil ☐ Sediment ☐ Other medium - Describe: _____

Date of Collection: _____

- ☐ A copy of the closure letter and submittal materials
- ☐ Draft tax cancellation agreement
- ☐ Draft agreement for assignment of tax foreclosure judgment
- ☒ Other report(s) or information - Describe: Emerging Contaminant Sampling

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

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

Note: The Notification for Hazardous Substance Discharge Form - Non-Emergency Only (Form 4400-225) is accessible through the RR Program Submittal Portal application. Directions for using the form and the Submittal Portal application are available on the Submittal Portal web page.

Section 7. Certification by the Person who completed this form

- ☐ I am the person submitting this request (requester)
- ☒ I prepared this request for: Dan Martino
  Requester Name

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

Signature

10/24/2023
Date Signed

Principal Scientist
Title

(317) 696-7409
Telephone Number (include area code)

Section 8. DNR Contacts and Addresses for Request Submittals

Send or deliver one paper copy and one electronic copy on a compact disk of the completed request, supporting materials, and fee to the region where the property is located to the address below. Contact a DNR regional brownfields specialist with any questions about this form or a specific situation involving a contaminated property. For electronic document submittal requirements see: http://dnr.wi.gov/files/PDF/pubs/rr/RR690.pdf.

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

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

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

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

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

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

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

October 24, 2023

Jane Pfeiffer
Wisconsin Department of Natural Resources
2300 North Dr. Martin Luther King, Jr Drive
Milwaukee, WI 53212

Re: Groundwater Monitoring and Emerging Contaminant Assessment
Martino's Master Dry Cleaners
BRRTS# 02-30-552188

Dear Ms. Pfeiffer,

The Site's Site Investigation Report (SIR) was approved by the Wisconsin Department of Natural Resources (WDNR) in April of 2016. From December of 2017 until November of 2021, a soil vapor extraction (SVE) system was operated, and contaminant mass was removed from source area soil. On August 17, 2020, the WDNR issued a letter requesting an Evaluation of Emerging Contaminants. In February of 2021, the WDNR issued a Request for Status Update letter. In this letter the WDNR requested additional information regarding Vapor Intrusion Assessment at the Site and asking for an evaluation of potential perfluoroalkyl and polyfluoroalkyl substances (PFAS), per Wisc. Admin. Code NR 716.07, NR 716.09.

On March 12, 2021, EnviroForensics submitted a Vapor Intrusion Assessment Status Update and Work Plan addressing the WDNR's request for VI information. This VI investigation was performed and the VI data for the Site was provided to the WDNR in a Vapor Mitigation System Decommissioning Report (April 7, 2023). In anticipation of Site closure and to address the one remaining WDNR request for PFAS information, the Site groundwater monitoring wells were recently sampled for volatile organic compounds (VOCs) and for PFAS.

Groundwater samples from wells were submitted for VOC analysis. In addition, three monitoring wells, MW-3S, MW-8 and MW-12 were sampled and submitted for PFAS analysis. These wells were chosen based on the following criteria:

MW-3S	Monitoring well is located on the Site, directly downgradient of the source area. This well also has the highest concentrations of chlorinated VOCs and would be the most likely to contain PFAS if they were sourced by the dry-cleaning release.
MW-8	Monitoring well is hydraulically upgradient of the site. This well is also impacted with petroleum related VOC compounds related to an off-site

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source. The sampling of this well provides information on the potential for contribution of PFAS from sources other than the Site.

MW-12 — Monitoring well is downgradient of the source area but still within the area of groundwater impacts. The sampling of this well provides information on the horizontal extent of PFAS, if any.

1.0 GROUNDWATER MONITORING ACTIVITIES

Monitoring activities included collection of groundwater elevation measurements and the collection of groundwater samples for laboratory analysis.

1.1 Groundwater Gauging

Prior to sampling, the depth to water in each accessible well at the Site was measured to the nearest 0.01 foot using an electronic indicator and recorded on field sampling forms (**Attachment A**). Two monitoring wells MW-10 and MW-11, located in the right-of-way, had been covered with a large pile of aggregate from the on-going sewer work in the area and could not be located.

1.2 Groundwater Sampling

The three monitoring wells designated for PFAS sampling were sampled according to our PFAS sampling SOP (**Attachment B**). Wells designated for PFAS sampling were purged and sampled using disposable bailers. Bailer sampling of these wells exposes the sample to the fewest possible equipment materials that might contain PFAS. The bailer sampling is combined with a two-person sampling approach where the person handling the purging and sampling equipment does not touch any of the sample bottles, bottle labels, paperwork, etc. This is a "clean hands/dirty hands" approach that minimizes the potential for introduction of non-groundwater related PFAS. The bailers and the string used in the purging and sampling are PFAS free. Samples for VOC analysis were also collected from these wells using the disposable bailers.

Monitoring wells not designated for PFAS sampling were sampled using standard low-flow sampling techniques. The groundwater samples were collected with a bladder pump (**Attachment C**). Groundwater geochemical parameters including pH, oxidation-reduction potential (ORP), specific conductivity, temperature, turbidity, and dissolved oxygen were measured to verify stabilization prior to groundwater sample collection. Data collected during the sampling activities were documented on the field sampling forms (**Attachment A**).

Groundwater samples were collected by discharging directly into laboratory provided containers. All required quality assurance/quality control (QA/QC) samples including duplicate samples, equipment blank samples, and trip blanks were collected. Groundwater and QA/QC samples placed into a cooler containing submitted to a state-certified laboratory for analysis of volatile organic compounds (VOCs) via U.S. Environmental Protection Agency (EPA) SW-846 Method 8260 and PFAS analysis via U.S. EPA SW-846 Method E537 with isotope dilution. Proper chain-of-custody documentation was maintained.

2.0 Results

2.1 Groundwater Flow

Static water level measurements for potentiometric surface evaluation were collected from the groundwater monitoring well networks on August 1, 2023, using an electric water level indicator. Depth-to-water measurements and static water level elevations for this event are provided in **Table 1**.

The groundwater flow direction has historically been to the south in the shallow groundwater monitoring network and to the southwest in the deep monitoring network during past sampling events. Groundwater flow direction during this sampling event continues to be toward the south. The potentiometric groundwater surface contours for the shallow and deep monitoring networks are illustrated on **Figure 1**.

2.2 Groundwater Laboratory Analytical Results

Groundwater analytical data are summarized in **Tables 2 and 3**. Historical VOC data collected since the site investigation began are included in **Table 3** for reference. The complete laboratory report is provided in **Attachment D**. VOC and PFAS concentrations are compared to public health standards listed in WAC Chapter NR 140.

2.2.1 PFAS Results

The samples were analyzed for 36 different target compounds. The full list of the compounds analyzed for is included on **Table 2** and in the laboratory report (**Attachment D**). Of the 36 compounds analyzed for, the following eight compounds had detections above the laboratories reporting limits.

Compound Name	Abbreviation
Perfluorobutanesulfonic Acid	PFBS
Perfluorobutanoic Acid	PFBA
Perfluoroheptanoic Acid	PFHpA
Perfluorohexanoic Acid	PFHxA
Perfluorohexanesulfonic Acid	PFHxS
Perfluorooctanoic Acid	PFOA
Perfluoropentanoic Acid	PFPeA
Perfluorooctanesulfonic Acid	PFOS

Perfluorooctanoic acid (PFOA) was detected in all three monitoring well samples at levels above the preventative action limits (PALs) of 2 ng/L but well below the enforcement standard (ES) of 20 ng/L. PFOA was detected in all three wells regardless of their location from the source area. The remaining PFAS compounds were detected at levels that were below the PALs, if levels have been established.

Please note, a field blank was made by pouring laboratory supplied, PFAS free water, into an unused bailer and then transferring the water into laboratory supplied bottles. The field blank was collected to verify that the sampling materials in contact with the groundwater do not leach PFAS into the sample matrix. Laboratory analytical results of the field blank sample did not reveal concentrations of any of the 36 PFAS compounds above the laboratory reporting limits.

2.2.2 Volatile Organic Compounds

The results of laboratory analysis are depicted on **Figure 3** to illustrate the distribution of VOCs detected in groundwater across the monitoring well network. The source area is characterized by monitoring wells MW-1, MW-2, MW-3, MW-6 and MW-7. Laboratory results of groundwater from MW-1, MW-3 and MW-6 revealed concentrations of tetrachloroethene (PCE) above the ES. Analytical results of groundwater from MW-3 and MW-6 also have the PCE breakdown products of Trichloroethene (TCE), Cis-1,2-Dichloroethene (Cis-DCE) and vinyl chloride (VC) above ES. Monitoring well MW-7 is located near the northeastern property line, slightly upgradient of the source area, and in an area impacted by petroleum hydrocarbons from an off-site source to the north. The presence of petroleum hydrocarbons creates a reduced environment that is conducive for reductive dechlorination to occur. Because of this, PCE and TCE have been degraded and groundwater from MW-7 only has concentrations of cis-DCE and vinyl chloride above ES.

The downgradient extent of impacts is characterized by monitoring wells MW-9, MW-10, MW-11, MW-12, MW-13, MW-14, MW-15, MW-16, MW-17 and MW-18. Two monitoring wells MW-10 and MW-11, located in the right-of-way, had been covered with aggregate from the on-

going sewer work in the area and could not be located. Laboratory results of monitoring well MW-12 had concentrations of PCE breakdown products Cis-DCE and VC above the ES but at concentrations consistent with historical data. Analytical results of groundwater from monitoring wells downgradient of MW-12 did not have concentration of VOCs above the laboratory reporting limits.

3.0 Conclusions

The purpose of this event was to evaluate current VOC concentrations and to evaluate the potential presence of PFA compounds in groundwater. While PFA compounds were detected in upgradient, source area and downgradient monitoring wells, the concentrations of these compounds were well below their established ES. Given the presence of PFOA in the upgradient groundwater monitoring well (MW-8), the source(s) of the PFOA compounds is not clear. Additional sampling and testing of groundwater for PFAS does not appear to be warranted due to the low concentrations detected.

The residual cVOC plume is limited in areal extent and is stable or attenuating. The residual plume is not expected to expand based on the following:

- The SVE system that operated on Site has removed much of the contaminant mass that formerly fed this downgradient plume.
- The presence of a comingled petroleum plume from an off-site source promotes reductive dechlorination within the cVOC plume. The parent compounds PCE and TCE are completely absent in the downgradient monitoring well MW-12.
- The footprint of the residual plume has not changed over in over the 9 years of downgradient well monitoring.

In the Request for Status Update letter (February of 2021) the WDNR requested additional information regarding Vapor Intrusion Assessment at the Site and asking for an evaluation of potential PFAS, per Wisc. Admin. Code NR 716.07, NR 716.09. The Vapor Mitigation System Decommissioning Report (April 7, 2023) addressed the WDNR's vapor intrusion inquiry, and this Groundwater Monitoring and Emerging Contaminant Assessment report (Sept. 2023) addresses the WDNR's request for evaluation of emerging contaminants. The requests in the WDNR's Status Update letter have been satisfied. The site has been characterized, the source area has been remediated and residual conditions are well understood. We request that the WDNR concur that that Site is ready for Closure.

If you have any questions regarding the contents of this report, please don't hesitate to contact us.

Regards,
EnviroForensics, LLC

Wayne Fassbender, PG
Senior Project Manager

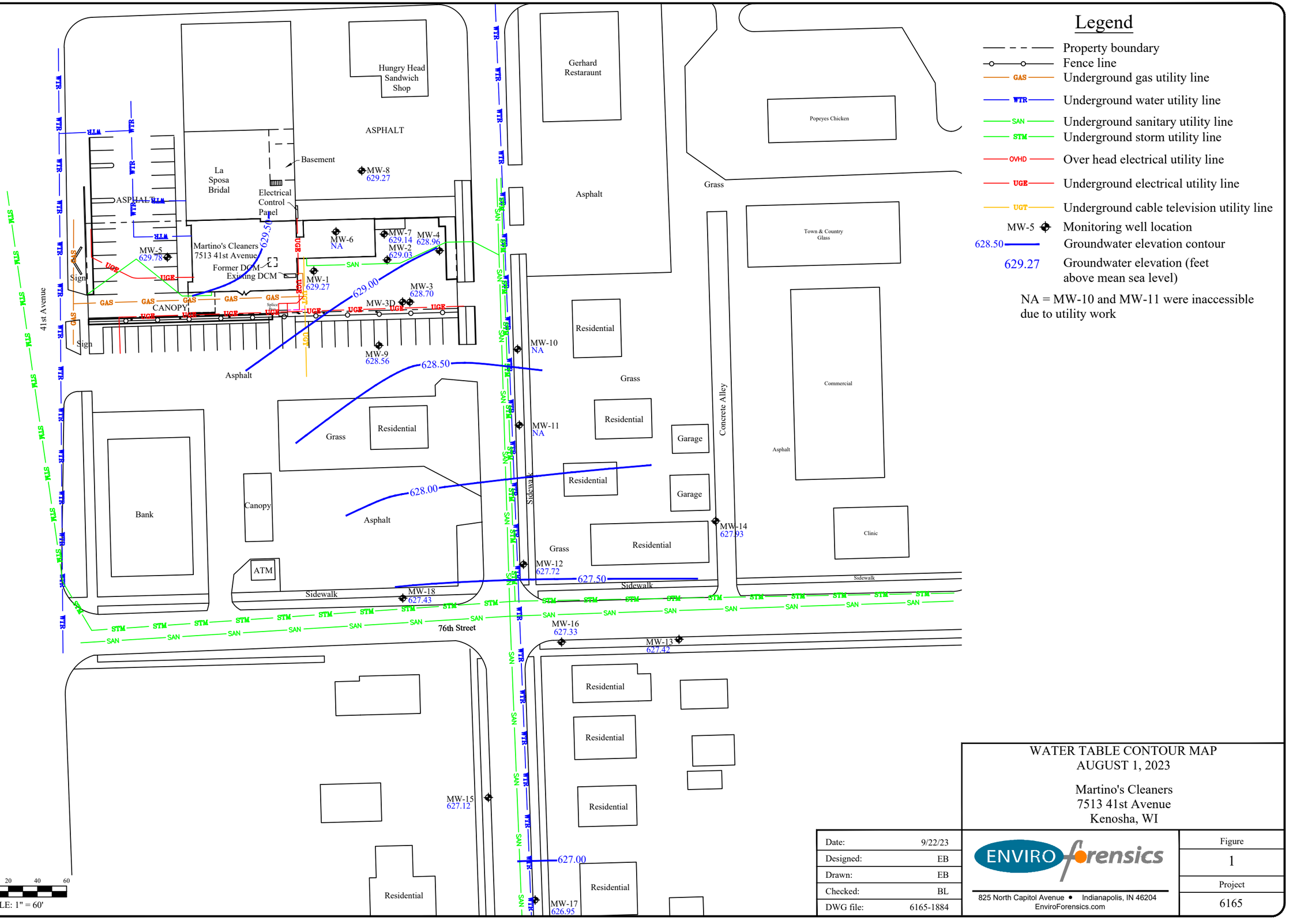
Brad K. Lewis
Senior Project Manager

Attachments:

Figure 1 – Potentiometric Surface Map (August 1, 2023)
Figure 2 – Groundwater PFAS Analytical Results Map
Figure 3 – Groundwater VOC Analytical Results Map

Table 1 – Groundwater Elevation Data
Table 2 – Groundwater PFAS Analytical Results
Table 3 – Groundwater VOC Analytical Results

Attachment A: Field Sampling Forms
Attachment B: Groundwater Sampling PFAS SOP
Attachment C: Groundwater Sampling Low-Flow SOP
Attachment D: Laboratory Report



Legend

- Property boundary
- Fence line
- GAS — Underground gas utility line
- WTR — Underground water utility line
- SAN — Underground sanitary utility line
- STM — Underground storm utility line
- OVHD — Over head electrical utility line
- UGE — Underground electrical utility line
- UGT — Underground cable television utility line
- MW-5 — Monitoring well location
- 628.50 — Groundwater elevation contour
- 629.27 — Groundwater elevation (feet above mean sea level)

NA = MW-10 and MW-11 were inaccessible due to utility work

WATER TABLE CONTOUR MAP
AUGUST 1, 2023

Martino's Cleaners
7513 41st Avenue
Kenosha, WI

Date:	9/22/23
Designed:	EB
Drawn:	EB
Checked:	BL
DWG file:	6165-1884

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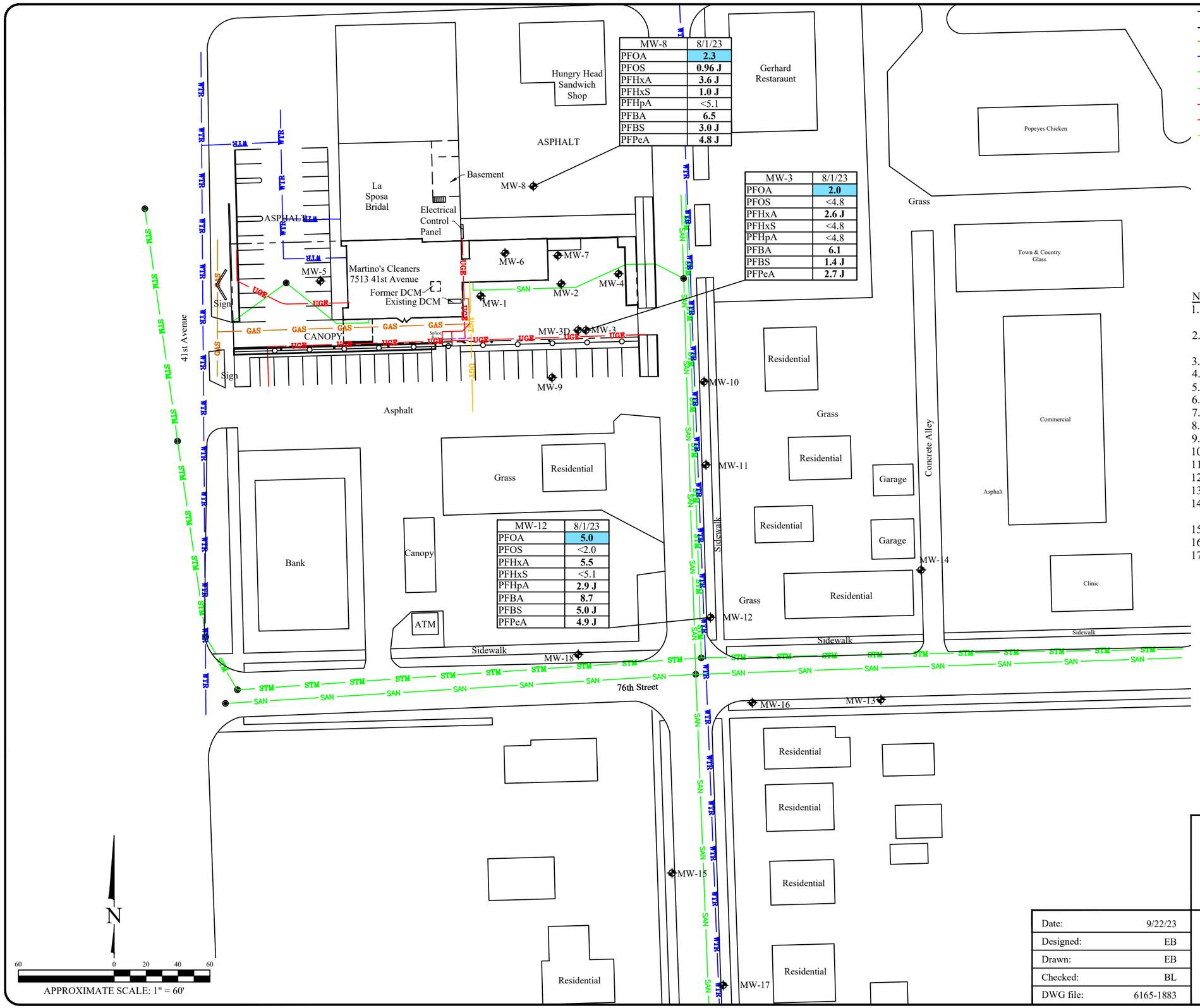
Figure	1
Project	6165



MW-8	8/1/23
PFOA	**2.3**
PFOS	**0.96 J**
PFHxA	**3.6 J**
PFHxS	**1.0 J**
PFHpA	<5.1
PFBA	**6.5**
PFBS	**3.0 J**
PFPeA	**4.8 J**

MW-3	8/1/23
PFOA	**2.0**
PFOS	<4.8
PFHxA	**2.6 J**
PFHxS	<4.8
PFHpA	<4.8
PFBA	**6.1**
PFBS	**1.4 J**
PFPeA	**2.7 J**

MW-12	8/1/23
PFOA	**5.0**
PFOS	<2.0
PFHxA	**5.5**
PFHxS	<5.1
PFHpA	**2.9 J**
PFBA	**8.7**
PFBS	**5.0 J**
PFPeA	**4.9 J**

Legend

- Property boundary
- Fence line
- GAS — Underground gas utility line
- WTR — Underground water utility line
- SAN — Underground sanitary utility line
- STM — Underground storm utility line
- OVHD — Over head electrical utility line
- UGE — Underground electrical utility line
- UGT — Underground cable television utility line
- MW-5 — Monitoring well location

Analytes	Public Health	
	Enforcement Standards	Preventive Action Limit
PFOA	**20***	**2***
PFOS	**20***	**2***
PFHxA	**150,000**	**30,000**
PFHxS	**40**	**4**
PFHpA	NE	NE
PFBA	**10,000**	**2,000**
PFBS	**450,000**	**90,000**
PFPeA	NE	NE

Notes:

1. Bold, shaded orange values exceed Proposed Public Health Enforcement Standards
2. Bold, shaded blue values exceed Proposed Public Health Preventive Action Limit
3. Bold values equal or exceed laboratory detection limits
4. Results not shown are below laboratory detection limits
5. PFBS = Perfluorobutanesulfonic Acid
6. PFBA = Perfluorobutanoic Acid
7. PFHpA = Perfluoroheptanoic Acid
8. PFHxA = Perfluorohexanoic Acid
9. PFHxS = Perfluorohexanesulfonic Acid
10. PFOA = Perfluorooctanoic Acid
11. PFPeA = Perfluoropentanoic Acid
12. PFOS = Perfluorooctanesulfonic Acid
13. All concentrations reported in units of nanograms per liter (ng/L)
14. J = Analyte concentration detected between the Laboratory Reporting Limit and the laboratory Method Detection Limit
15. ND = Compounds not detected
16. NE = Not Established
17. * Proposed groundwater standard applies to individual compound or combined PFOA and PFOS

PFAS CONCENTRATIONS IN GROUNDWATER

Martino's Cleaners
7513 41st Avenue
Kenosha, WI

Date:	9/22/23
Designed:	EB
Drawn:	EB
Checked:	BL
DWG file:	6165-1883

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Figure
2
Project
6165

CVOC CONCENTRATIONS IN GROUNDWATER

Martino's Cleaners
7513 41st Avenue
Kenosha, WI

Date:	9/22/23
Designed:	EB
Drawn:	EB
Checked:	BL
DWG file:	6165-1883

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Figure 3

Project 6165

APPROXIMATE SCALE: 1" = 60'

Legend

- Property boundary
- Fence line
- GAS — Underground gas utility line
- WTR — Underground water utility line
- SAN — Underground sanitary utility line
- STM — Underground storm utility line
- OVHD — Over head electrical utility line
- UGE — Underground electrical utility line
- UGT — Underground cable television utility line
- MW-5 — Monitoring well location

Analytes	Public Health	
	Enforcement Standards	Preventive Action Limit
PCE	5	0.5
TCE	5	0.5
cis-1,2-DCE	70	7
trans-1,2-DCE	100	20
VC	0.2	0.02

Notes:
1. Bold, shaded orange values exceed Public Health Enforcement Standards
2. Bold, shaded blue values exceed Public Health Preventive Action Limit
3. Bold values equal or exceed laboratory detection limits
4. Results not shown are below laboratory detection limits
5. PCE = Tetrachloroethene
6. TCE = Trichloroethene
7. cis-1,2-DCE = cis-1,2-Dichloroethene
8. trans-1,2-DCE = trans-1,2-Dichloroethene
9. VC = Vinyl Chloride
10. J = Analyte concentration detected between the Laboratory Reporting Limit and the laboratory Method Detection Limit
11. ND = Compounds not detected
12. NS = Not sampled
13. CVOCs = Chlorinated Volatile Organic Compounds

Extent of CVOCs impacts exceeding enforcement standards

MW-6	6/27/22	8/3/23
PCE	55	76
TCE	114	80
cis-1,2-DCE	168	180
trans-1,2-DCE	<5	67
VC	5.7 J	12

MW-1	6/28/22	8/1/23
PCE	19.3	29
TCE	2.15	2.5
cis-1,2-DCE	7.8	6.2

MW-5	6/27/22	8/1/23
CVOC	NS	ND

MW-2	6/27/22	8/1/23
cis-1,2-DCE	3.2	180
trans-1,2-DCE	<0.5	27
VC	187	58

MW-8	6/27/22	8/1/23
CVOC	NS	ND

MW-7	6/27/22	8/2/23
PCE	<4.7	1.5
cis-1,2-DCE	<3.2	21
VC	15.2	11

MW-4	6/27/22	8/2/23
CVOC	NS	ND

MW-3D	6/27/22	8/1/23
CVOC	NS	NS

MW-3	6/27/22	8/1/23
PCE	340	170
TCE	308	250
cis-1,2-DCE	238	240
trans-1,2-DCE	<5	1.5 J
VC	<1.5	3.6

MW-10	6/27/22	8/1/23
cis-1,2-DCE	2.2	NS
VC	3.5	

MW-11	6/27/22	8/1/23
cis-1,2-DCE	202	NS
trans-1,2-DCE	6.9	
VC	11.3	

MW-9	6/27/22	8/2/23
cis-1,2-DCE	NS	1.8

MW-12	6/27/22	8/1/23
cis-1,2-DCE	16.4	82
trans-1,2-DCE	0.53 J	3.6
VC	91	20

MW-14	6/27/22	8/1/23
CVOC	NS	NS

MW-13	6/27/22	8/3/23
CVOC	NS	ND

MW-18	6/27/22	8/2/23
CVOC	NS	NS

MW-16	6/27/22	8/1/23
CVOC	NS	ND

MW-15	6/27/22	8/1/23
CVOC	NS	NS

MW-17	6/27/22	8/1/23
CVOC	NS	NS

Hungry Head Sandwich Shop
Restaraunt
Popeyes Chicken
Grass
Asphalt
Town & Country Glass
Commercial
Concrete Alley
Garage
Residential
Clinic
Bank
Canopy
ATM
Sidewalk
Basement
Electrical Control Panel
La Sposa Bridal
Martino's Cleaners
7513 41st Avenue
Former DCM
Existing DCM
CANOPY
41st Avenue
76th Street

TABLE 1

GROUNDWATER ELEVATION SUMMARY

Martino's Master Drycleaners

7513 41st Avenue, Kenosha, Wisconsin

Well ID	Screened Interval (feet AMSL)	TOC Elevation (feet AMSL)	Date	DTW (feet below TOC)	Groundwater Elevation (feet AMSL)
MW-1	623.9 - 633.9	640.70	9/7/2011	11.28	629.42
			8/8/2012	11.29	629.41
			12/16/2013	11.44	629.26
			3/12/2014	11.33	629.37
			5/28/2014	10.78	629.92
			9/23/2014	11.01	629.69
			11/12/2014	11.21	629.49
			3/18/2015	10.95	629.75
			6/22/2015	10.79	629.91
			9/16/2015	11.19	629.51
			11/30/2015	10.53	630.17
			3/9/2016	10.94	629.76
			6/2/2016	10.80	629.90
			9/27/2016	10.96	629.74
			7/25/2018	10.83	629.87
			2/20/2019	10.61	630.09
			9/14/2020	10.82	629.88
			12/7/2020	11.52	629.18
			3/22/2021	10.92	629.78
			6/30/2021	11.39	629.31
			6/27/2022	11.00	629.70
			8/1/2023	11.43	629.27
			Min	***10.53***	***629.18***
			Max	***11.52***	***630.17***
			Avg	***11.05***	***629.65***
MW-2	623.3 - 633.3	640.06	9/7/2011	10.81	629.25
			8/8/2012	10.82	629.24
			12/16/2013	10.99	629.07
			3/12/2014	10.86	629.20
			5/28/2014	10.37	629.69
			9/23/2014	10.51	629.55
			11/12/2014	10.72	629.34
			3/18/2015	10.50	629.56
			6/22/2015	10.30	629.76
			9/16/2015	10.71	629.35
			11/30/2015	10.09	629.97
			3/9/2016	10.51	629.55
			6/2/2016	10.33	629.73
			9/27/2016	10.53	629.53
			7/25/2018	10.34	629.72
			2/20/2019	10.13	629.93
			9/14/2020	10.40	629.66
			12/7/2020	11.17	628.89
			3/22/2021	10.47	629.59
			6/30/2021	11.04	629.02
			6/27/2022	10.44	629.62
			8/1/2023	11.03	629.03
			Min	***10.09***	***628.89***
			Max	***11.17***	***629.97***
			Avg	***10.59***	***629.47***

TABLE 1

GROUNDWATER ELEVATION SUMMARY

Martino's Master Drycleaners

7513 41st Avenue, Kenosha, Wisconsin

Well ID	Screened Interval (feet AMSL)	TOC Elevation (feet AMSL)	Date	DTW (feet below TOC)	Groundwater Elevation (feet AMSL)
MW-3	624.4 - 634.4	640.21	9/7/2011	11.02	629.19
			8/8/2012	11.04	629.17
			12/16/2013	11.24	628.97
			3/12/2014	11.21	629.00
			5/28/2014	10.71	629.50
			9/23/2014	10.82	629.39
			11/12/2014	11.02	629.19
			3/18/2015	10.87	629.34
			6/22/2015	10.66	629.55
			9/16/2015	11.04	629.17
			11/30/2015	10.45	629.76
			3/9/2016	10.88	629.33
			6/2/2016	10.68	629.53
			9/27/2016	10.90	629.31
			7/25/2018	10.70	629.51
			2/20/2019	10.42	629.79
			9/14/2020	10.77	629.44
			12/7/2020	11.42	628.79
			3/22/2021	10.86	629.35
			6/30/2021	11.31	628.90
			6/27/2022	10.94	629.27
			8/1/2023	11.51	628.70
			Min	***10.42***	***628.70***
			Max	***11.51***	***629.79***
			Avg	***10.93***	***629.28***
MW-3D	606.1 - 611.1	640.37	12/16/2013	11.08	629.29
			3/12/2014	11.40	628.97
			5/28/2014	10.94	629.43
			9/23/2014	11.02	629.35
			11/12/2014	11.16	629.21
			3/18/2015	11.31	629.06
			6/22/2015	10.84	629.53
			9/16/2015	11.23	629.14
			11/30/2015	10.76	629.61
			3/9/2016	11.18	629.19
			6/2/2016	10.73	629.64
			9/27/2016	11.00	629.37
			7/25/2018	10.82	629.55
			2/20/2019	10.80	629.57
			9/14/2020	10.99	629.38
			12/7/2020	11.49	628.88
			3/22/2021	11.09	629.28
			6/30/2021	11.45	628.92
			6/27/2022	11.13	629.24
			8/1/2023	12.23	628.14
			Min	***10.73***	***628.14***
			Max	***12.23***	***629.64***
			Avg	***11.13***	***629.24***
MW-4	622.7 - 632.7	640.07	9/7/2011	10.98	629.09
			8/8/2012	10.91	629.16
			12/16/2013	11.03	629.04
			3/12/2014	10.93	629.14
			5/28/2014	10.46	629.61
			9/23/2014	10.57	629.50
			11/12/2014	10.79	629.28
			3/18/2015	10.58	629.49
			6/22/2015	10.41	629.66
			9/16/2015	10.78	629.29
			11/30/2015	10.18	629.89
			3/9/2016	10.63	629.44
			6/2/2016	10.24	629.83
			9/27/2016	10.63	629.44
			7/25/2018	10.42	629.65
			2/20/2019	10.22	629.85
			9/14/2020	10.47	629.60
			12/7/2020	11.13	628.94
			3/22/2021	10.56	629.51
			6/30/2021	11.01	629.06
			6/27/2022	10.62	629.45
			8/1/2023	11.11	628.96
			Min	***10.18***	***628.94***
			Max	***11.13***	***629.89***
			Avg	***10.67***	***629.40***

TABLE 1

GROUNDWATER ELEVATION SUMMARY

Martino's Master Drycleaners

7513 41st Avenue, Kenosha, Wisconsin

Well ID	Screened Interval (feet AMSL)	TOC Elevation (feet AMSL)	Date	DTW (feet below TOC)	Groundwater Elevation (feet AMSL)
MW-5	623.8 - 633.8	640.33	9/7/2011	10.45	629.88
			8/8/2012	10.38	629.95
			12/16/2013	10.63	629.70
			3/12/2014	10.45	629.88
			5/28/2014	9.82	630.51
			9/23/2014	10.12	630.21
			11/12/2014	10.40	629.93
			3/18/2015	10.06	630.27
			6/22/2015	9.90	630.43
			9/16/2015	10.35	629.98
			11/30/2015	9.56	630.77
			3/9/2016	10.02	630.31
			6/2/2016	9.95	630.38
			9/27/2016	10.16	630.17
			7/25/2018	10.06	630.27
			2/20/2019	9.90	630.43
			9/14/2020	10.07	630.26
			12/7/2020	10.76	629.57
			3/22/2021	10.10	630.23
			6/30/2021	10.61	629.72
			6/27/2022	10.21	630.12
			8/1/2023	10.55	629.78
			Min	***9.56***	***629.57***
			Max	***10.76***	***630.77***
			Avg	***10.21***	***630.13***
MW-6	NA	NA	9/7/2011	11.60	NA
			8/8/2012	11.60	NA
			12/16/2013	11.79	NA
			3/12/2014	11.61	NA
			5/28/2014	11.12	NA
			9/23/2014	11.32	NA
			11/12/2014	11.56	NA
			3/18/2015	11.24	NA
			6/22/2015	11.13	NA
			9/16/2015	11.52	NA
			11/30/2015	10.88	NA
			3/9/2016	11.35	NA
			6/2/2016	11.14	NA
			9/27/2016	11.33	NA
			7/25/2018	11.19	NA
			2/20/2019	10.71	NA
			8/1/2023	11.77	NA
			Min	***10.71***	***NA***
			Max	***11.79***	***NA***
			Avg	***11.34***	***NA***
MW-7	624.1 - 634.1	640.66	9/7/2011	11.40	629.26
			8/8/2012	10.78	629.88
			12/16/2013	11.54	629.12
			3/12/2014	11.41	629.25
			5/28/2014	10.94	629.72
			9/23/2014	10.97	629.69
			11/12/2014	11.30	629.36
			3/18/2015	11.04	629.62
			6/22/2015	10.91	629.75
			9/16/2015	11.28	629.38
			11/30/2016	10.65	630.01
			3/9/2016	11.05	629.61
			6/2/2016	10.93	629.73
			9/27/2016	11.11	629.55
			7/25/2018	10.92	629.74
			2/20/2019	10.72	629.94
			9/14/2020	10.95	629.71
			12/7/2020	11.60	629.06
			3/22/2021	11.03	629.63
			6/30/2021	11.50	629.16
			6/27/2022	11.09	629.57
			8/1/2023	11.52	629.14
			Min	***10.65***	***629.06***
			Max	***11.60***	***630.01***
			Avg	***11.12***	***629.54***

TABLE 1

GROUNDWATER ELEVATION SUMMARY

Martino's Master Drycleaners

7513 41st Avenue, Kenosha, Wisconsin

Well ID	Screened Interval (feet AMSL)	TOC Elevation (feet AMSL)	Date	DTW (feet below TOC)	Groundwater Elevation (feet AMSL)
MW-8	621.3 - 631.3	638.99	12/16/2013	9.72	629.27
			3/12/2014	9.61	629.38
			5/28/2014	9.17	629.82
			9/23/2014	9.30	629.69
			11/12/2014	9.53	629.46
			3/18/2015	9.25	629.74
			6/22/2015	9.20	629.79
			9/16/2015	9.52	629.47
			11/30/2015	8.93	630.06
			3/9/2016	9.28	629.71
			6/2/2016	9.25	629.74
			9/27/2016	9.39	629.60
			7/25/2018	9.31	629.68
			9/14/2020	9.29	629.70
			12/7/2020	10.15	628.84
			3/22/2021	9.38	629.61
			6/30/2021	9.81	629.18
			6/27/2022	9.50	629.49
			8/1/2023	9.72	629.27
			Min	***8.93***	***628.84***
			Max	***10.15***	***630.06***
			Avg	***9.44***	***629.55***
MW-9	621.9 - 631.9	641.09	12/16/2013	12.16	628.93
			3/12/2014	12.11	628.98
			5/28/2014	11.59	629.50
			9/23/2014	11.73	629.36
			11/12/2014	11.90	629.19
			3/18/2015	11.81	629.28
			6/22/2015	11.59	629.50
			9/16/2015	11.92	629.17
			11/30/2015	11.38	629.71
			3/9/2016	NM	NM
			6/2/2016	11.54	629.55
			9/27/2016	11.79	629.30
			7/25/2018	NM	NM
			9/14/2020	11.71	629.38
			12/7/2020	12.40	628.69
			3/22/2021	11.83	629.26
			6/30/2021	12.21	628.88
			6/27/2022	11.85	629.24
			8/1/2023	12.53	628.56
			Min	***11.38***	***628.69***
			Max	***12.53***	***629.71***
			Avg	***11.89***	***629.25***
MW-10	620.0 - 630.0	640.26	9/23/2014	11.00	629.26
			11/12/2014	11.19	629.07
			3/18/2015	11.12	629.14
			6/22/2015	10.82	629.44
			9/16/2015	11.19	629.07
			11/30/2015	10.63	629.63
			3/9/2016	11.06	629.20
			6/2/2016	10.83	629.43
			9/27/2016	11.07	629.19
			7/25/2018	10.80	629.46
			9/14/2020	10.92	629.34
			12/7/2020	11.56	628.70
			3/22/2021	10.98	629.28
			6/30/2021	11.41	628.85
			6/27/2022	11.03	629.23
			8/1/2023		640.26
			Min	***10.63***	***628.70***
			Max	***11.56***	***640.26***
			Avg	***11.04***	***629.91***

TABLE 1

GROUNDWATER ELEVATION SUMMARY

Martino's Master Drycleaners

7513 41st Avenue, Kenosha, Wisconsin

Well ID	Screened Interval (feet AMSL)	TOC Elevation (feet AMSL)	Date	DTW (feet below TOC)	Groundwater Elevation (feet AMSL)
MW-11	621.3 - 631.3	641.51	9/23/2014	12.37	629.14
			11/12/2014	12.54	628.97
			3/18/2015	12.52	628.99
			6/22/2015	12.20	629.31
			9/16/2015	12.50	629.01
			11/30/2015	12.04	629.47
			3/9/2016	12.46	629.05
			6/2/2016	12.18	629.33
			9/27/2016	12.41	629.10
			7/25/2018	12.18	629.33
			2/20/2019	11.91	629.60
			9/14/2020	12.30	629.21
			12/7/2020	12.97	628.54
			3/22/2021	12.38	629.13
			6/30/2021	12.81	628.70
			6/27/2022	12.38	629.13
			8/1/2023		641.51
			Min	***11.91***	***628.54***
			Max	***12.97***	***641.51***
			Avg	***12.38***	***629.85***
MW-12	623.1 - 633.1	643.18	9/23/2014	9.36	633.82
			11/12/2014	14.41	628.77
			3/18/2015	14.45	628.73
			6/22/2015	14.15	629.03
			9/16/2015	14.46	628.72
			11/30/2015	14.06	629.12
			3/9/2016	14.38	628.80
			6/2/2016	14.08	629.10
			9/27/2016	14.31	628.87
			7/25/2018	14.29	628.89
			2/20/2019	13.97	629.21
			9/14/2020	14.27	628.91
			12/7/2020	14.89	628.29
			3/22/2021	14.36	628.82
			6/30/2021	14.68	628.50
			6/27/2022	14.29	628.89
			8/1/2023	15.46	627.72
			Min	***13.97***	***627.72***
			Max	***14.89***	***629.21***
			Avg	***14.34***	***628.77***
MW-13	621.5 - 631.5	642.03	9/23/2014	13.88	628.15
			11/12/2014	13.91	628.12
			3/18/2015	13.96	628.07
			6/22/2015	13.79	628.24
			9/16/2015	13.97	628.06
			11/30/2015	13.80	628.23
			3/9/2016	13.91	628.12
			6/2/2016	13.78	628.25
			9/27/2016	13.87	628.16
			7/25/2018	13.72	628.31
			2/20/2019	13.69	628.34
			9/14/2020	13.76	628.27
			12/7/2020	14.02	628.01
			3/22/2021	13.85	628.18
			6/30/2021	14.10	627.93
			6/27/2022	13.82	628.21
			8/1/2023	14.61	627.42
			Min	***13.69***	***627.42***
			Max	***14.61***	***628.34***
			Avg	***13.91***	***628.12***

TABLE 1

GROUNDWATER ELEVATION SUMMARY

Martino's Master Drycleaners

7513 41st Avenue, Kenosha, Wisconsin

Well ID	Screened Interval (feet AMSL)	TOC Elevation (feet AMSL)	Date	DTW (feet below TOC)	Groundwater Elevation (feet AMSL)
MW-14	620.7 - 630.7	640.98	9/23/2014	12.10	628.88
			11/12/2014	12.25	628.73
			3/18/2015	12.24	628.74
			6/22/2015	11.90	629.08
			9/16/2015	12.24	628.74
			11/30/2015	11.79	629.19
			3/9/2016	12.18	628.80
			6/2/2016	11.93	629.05
			9/27/2016	12.11	628.87
			7/25/2018	11.83	629.15
			2/20/2019	11.83	629.15
			9/14/2020	12.01	628.97
			12/7/2020	12.64	628.34
			3/22/2021	12.06	628.92
			6/30/2021	12.53	628.45
			6/27/2022	12.13	628.85
			8/1/2023	13.05	627.93
			Min	***11.79***	***627.93***
			Max	***13.05***	***629.19***
			Avg	***12.17***	***628.81***
MW-15	623.1 - 633.1	643.37	9/14/2020	13.92	629.45
			12/7/2020	14.54	628.83
			3/22/2021	14.16	629.21
			6/30/2021	14.43	628.94
			6/27/2022	14.00	629.37
			8/1/2023	16.25	627.12
			Min	***13.92***	***627.12***
			Max	***16.25***	***629.45***
			Avg	***14.55***	***628.82***
MW-16	621.1 - 631.1	643.32	9/14/2020	14.31	629.01
			12/7/2020	14.88	628.44
			3/2/2021	14.50	628.82
			6/30/2021	14.72	628.60
			6/27/2022	14.33	628.99
			8/1/2023	15.99	627.33
			Min	***14.31***	***627.33***
			Max	***15.99***	***629.01***
			Avg	***14.79***	***628.53***
MW-17	622.8 - 632.8	643.09	9/14/2020	13.48	629.61
			12/7/2020	14.10	628.99
			3/22/2021	13.73	629.36
			6/30/2021	14.03	629.06
			6/27/2022	13.56	629.53
			8/1/2023	16.14	626.95
			Min	***13.48***	***626.95***
			Max	***16.14***	***629.61***
			Avg	***14.17***	***628.92***
MW-18	622.4 - 632.4	642.87	9/14/2020	13.82	629.05
			12/7/2020	14.55	628.32
			3/22/2021	14.07	628.80
			6/30/2021	14.30	628.57
			6/27/2022	13.83	629.04
			8/1/2023	15.44	627.43
			Min	***13.82***	***627.43***
			Max	***15.44***	***629.05***
			Avg	***14.34***	***628.54***

Notes:

All values are in feet

AMSL = above mean sea level

DTW = Depth to water

NA = Survey data not available

NM = Not measured

TOC = Top of Casing

Shaded values are anomolous and excluded from statistics

TABLE 2
PFAS IN GROUNDWATER
Albany International - Luvata Site
908 N. Lawe St., Appleton, Wisconsin

Monitoring Well	Sample Date	PFOA	PFOS	PFHxA	PFHxS	PFHpA	PFHpS	PFBA	PFBS	PFNA	PFNS	PFDA	PFDS	PFODA	PFPeA	PFPeS	HFPO-DA	PFDoA	PFDoS	PFUnA	PFTrDA	PFTeDA	4:2 FTSA	6:2 FTSA	8:2 FTSA	10:2 FTSA	9CL-PF3ONS	11CL-PF3OUdS	DONA	FOSA	N-MeFOSAA	N-EtFOSAA	N-MeFOSA	N-MeFOSE	N-EtFOSA	N-EtFOSE
Proposed Groundwater Enforcement Standard		**20***	**20***	**150,000**	**40**	**NE**	**NE**	**10,000**	**450,000**	**30**	**NE**	**300**	**NE**	**400,000**	**NE**	**NE**	**300**	**500**	**NE**	**3,000**	**NE**	**10,000**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**3,000**	**20***	**NE**	**20***	**NE**	**NE**	**20***	**20***
Proposed Groundwater Preventative Action Limit		**2***	**2***	**30,000**	**4**	**NE**	**NE**	**2,000**	**90,000**	**3**	**NE**	**60**	**NE**	**80,000**	**NE**	**NE**	**30**	**100**	**NE**	**600**	**NE**	**2,000**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**600**	**2***	**NE**	**2***	**NE**	**NE**	**2***	**2***
MW-3S	8/1/2023	**2.0**	<4.8	**2.6 J**	<4.8	<4.8	<4.8	**6.1**	**1.4 J**	<4.8	<4.8	<4.8	<4.8	<4.8	**2.7 J**	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8
MW-3 (Dup-1)	8/1/2023	**3.2 J**	<4.0	<10	<10	<10	<10	<5.2	**1.2 J**	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
MW-8	8/1/2023	**2.3**	**0.96 J**	**3.6 J**	**1.0 J**	<5.1	<5.1	**6.5**	**3.0 J**	<5.1	<5.1	<5.1	<5.1	<5.1	**4.8 J**	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1
MW-12	8/1/2023	**5.0**	<2.0	**5.5**	<5.1	**2.9 J**	<5.1	**8.7**	**5.0 J**	<5.1	<5.1	<5.1	<5.1	<5.1	**4.9 J**	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1
FB-1	8/1/2023	<1.9	<1.9	<4.7	<4.6	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7

Notes:

All concentrations reported in units of nanograms per liter (ng/L)

Bolded and blue shaded values are above propesed groundwater preventative action limits

Bolded and orange shaded values are above proposed groundwater enforcement standards

Bolded values are above detection limits

***** Proposed groundwater standard applies to individual compound or combined PFOA and PFOS

J = Analyte concentration detected between the laboratory level of detection and the level of quantification

FRB = Compound detected in field reagent blank

NA = Not Analyzed

NR = Not reported due to failure of laboratory QC

NE = Not Established

TABLE 3

SUMMARY OF MONITORING WELL SAMPLE ANALYTICAL RESULTS

Martino's Master Drycleaners

7513 41st Avenue, Kenosha, Wisconsin

Monitoring Well Identification	Sample Date	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride	Benzene	n-Butylbenzene	sec-Butylbenzene	Chloroethane	1,2-Dichloroethane	1,1-Dichloroethene	Di-isopropyl ether	Ethylbenzene	Isopropylbenzene	MTBE	Naphthalene	n-Propylbenzene	p-Isopropyltoluene	Toluene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Xylenes (total)
Public Health Enforcement Standard		**5**	**5**	**70**	**100**	**0.2**	**5**	**NE**	**NE**	**400**	**5**	**7**	**NE**	**700**	**NE**	**60**	**100**	**NE**	**NE**	**1,000**	**480**	**480**	**10,000**
Public Health Preventive Action Limit		**0.5**	**0.5**	**7**	**20**	**0.02**	**0.5**	**NE**	**NE**	**80**	**0.5**	**0.7**	**NE**	**140**	**NE**	**12**	**10**	**NE**	**NE**	**200**	**96**	**96**	**1,000**
MW-1	09/08/11	<0.45	<0.48	**37.9**	**1.4**	**0.64 J**	<0.41	<0.93	<0.89	<0.24	<0.36	<0.57	<0.76	<0.54	<0.59	<0.61	<0.89	<0.81	<0.67	<0.67	<0.97	<0.83	<2.63
	08/08/12	<0.17	<0.19	**8.3**	**1.3**	**2.9**	<0.074	<0.13	<0.15	<0.34	<0.28	<0.31	NA	<0.13	<0.14	<0.24	<0.16	<0.13	<0.17	<0.11	<0.14	<0.18	<0.068
	12/16/13	<0.33	<0.33	**4.9**	**0.55 J**	**4.9**	<0.24	<0.35	<0.33	<0.63	<0.41	<0.4	<2.3	<0.55	<0.3	<0.23	<1.7	<0.25	<0.31	<0.69	<2.2	<1.4	<1.32
	03/13/14	<0.33	<0.33	**4.7**	<0.35	**2.6**	<0.24	<0.35	<0.33	<0.63	<0.41	<0.4	<2.3	<0.55	<0.3	<0.23	<1.7	**0.25 J**	<0.31	<0.69	<2.2	<1.4	<1.32
	05/28/14	<0.33	<0.33	**4.2**	<0.35	**5.4**	<0.24	<0.35	<0.33	<0.63	<0.41	<0.4	<2.3	<0.55	<0.3	<0.23	<1.7	<0.25	<0.31	<0.69	<2.2	<1.4	<1.32
	09/23/14	<0.33	<0.33	**7.6**	**0.55 J**	**13.9**	<0.24	<0.35	<0.33	<0.63	<0.41	<0.4	<2.3	<0.55	<0.3	<0.23	<1.7	<0.25	<0.31	<0.69	<2.2	<1.4	<1.32
	11/14/14	<0.33	<0.33	**6.9**	**0.52 J**	**9.4**	<0.24	<0.35	<0.33	<0.63	<0.41	<0.4	<2.3	<0.55	<0.3	<0.23	<1.7	<0.25	<0.31	<0.69	<2.2	<1.4	<1.32
	03/19/15	<0.74	<0.47	**3.9**	<0.54	**3.2**	<0.44	<1	<1.2	<0.43	<0.54	<0.65	<0.44	<0.71	<0.82	<1.1	<1.6	<0.77	<1.1	<0.44	<1.6	<1.5	<3.1
	06/23/15	<0.74	<0.47	**4.5**	<0.54	**4.6**	<0.44	<1	<1.2	<0.43	<0.54	<0.65	<0.44	<0.71	<0.82	<1.1	<1.6	<0.77	<1.1	<0.44	<1.6	<1.5	<3.1
	09/17/15	<0.49	<0.47	**5.8**	<0.54	**2.57**	<0.44	<1	<1.2	<0.65	<0.48	<0.65	<0.44	<0.71	<0.82	<1.1	<1.6	<0.77	<1.1	<0.44	<1.6	<1.5	<3.1
	12/01/15	<0.49	<0.47	**4.6**	<0.54	**6.8**	<0.44	<1	<1.2	<0.65	<0.48	<0.65	<0.44	<0.71	<0.82	<1.1	<1.6	<0.77	<1.1	<0.44	<1.6	<1.5	<3.1
	03/10/16	<0.49	<0.47	**4.8**	<0.54	**2.04**	<0.44	<1	<1.2	<0.65	<0.48	<0.65	<0.44	<0.71	<0.82	<1.1	<1.6	<0.77	<1.1	<0.44	<1.6	<1.5	<3.1
	06/07/16	<0.49	<0.47	**6.4**	<0.54	**7.0**	<0.44	<1	<1.2	<0.65	<0.48	<0.65	<0.44	<0.71	<0.82	<1.1	<1.6	<0.77	<1.1	<0.44	<1.6	<1.5	<3.1
	09/29/16	<0.49	<0.47	**5.1**	<0.54	**3.13**	<0.44	<1	<1.2	<0.65	<0.48	<0.65	<0.44	<0.71	<0.82	<1.1	<1.6	<0.77	<1.1	<0.44	<1.6	<1.5	<3.1
	07/25/18	**1.24**	**2.13**	**48**	**2.19**	**1.91**	<0.22	<0.71	<0.79	<0.61	<0.25	<0.42	<0.21	<0.26	<0.78	<0.28	<2.1	<0.61	<0.24	<0.19	<0.8	<0.63	<0.72
	02/22/19	**1.19 J**	**7.8**	**25.5**	**1.13**	**0.44 J**	<0.22	<0.71	<0.79	<0.61	<0.25	<0.42	<0.21	<0.26	<0.78	<0.28	<2.1	<0.61	<0.24	<0.19	<0.8	<0.63	<0.72
	09/15/20	**13.8**	**7.8**	**21.6**	**0.81 J**	**0.62 J**	<0.33	<0.28	<0.32	<1.1	<0.39	<0.5	<0.34	<0.32	<0.32	<0.47	<1.1	<0.33	<0.47	<0.26	<0.3	<0.32	<1.48
	12/08/20	**19.6**	**8.1**	**21.3**	**0.59 J**	<0.2	<0.33	<0.28	<0.32	<1.1	<0.39	<0.5	<0.34	<0.32	<0.32	<0.47	<1.1	<0.33	<0.47	<0.26	<0.3	<0.32	<1.48
	12/8/20 (DUP-2)	**18.3**	**7.6**	**22.6**	<1.85	<1	<1.65	<1.4	<1.6	<5.5	<1.95	<2.5	<1.7	<1.6	<1.6	<2.35	<5.5	<1.65	<2.35	<1.3	<1.5	<1.6	<7.4
	03/23/21	**19.6**	**4.9**	**15.1**	<0.6	<0.17	<0.38	<0.46	<0.31	<0.84	<0.44	<0.55	<0.47	<0.37	<0.3	<0.46	<1.4	<0.44	<0.43	<0.42	<0.35	<0.38	<1.21
	07/01/21	**17.8**	**4.7**	**11.2**	<0.6	<0.17	<0.38	<0.46	<0.31	<0.78	<0.44	<0.55	<0.47	<0.37	<0.3	<0.46	<1.4	<0.44	<0.43	<0.42	<0.35	<0.38	<1.21
	7/1/21 (DUP-1)	**18.3**	**4.6**	**11.3**	<0.6	<0.17	<0.38	<0.46	<0.31	<0.78	<0.44	<0.55	<0.47	<0.37	<0.3	<0.46	<1.4	<0.44	<0.43	<0.42	<0.35	<0.38	<1.21
	06/28/22	**19.3**	**2.15**	**7.8**	<0.5	<0.15	<0.3	<0.71	<0.33	<0.62	<0.43	<0.43	<0.48	<0.33	<0.34	<0.47	<1.4	<0.39	<0.47	<0.33	<0.35	<0.41	<1.01
	6/28/22 (DUP-1)	**14.4 J**	<3.8	**7.1 J**	<5	<1.5	<3	<7.1	<3.3	<6.2	<4.3	<4.3	<4.8	<3.3	<3.4	<4.7	<14	<3.9	<4.7	<3.3	<3.5	4.1	<10.1
	08/01/23	**29**	**2.5**	**6.2**	<1.6	<1.8	<1.5	NA	<1.0	<2.3	<1.4	<1.4	NA	<1.1	<1.2	<1.5	<2.6	<1.6	<0.88	<1.5	<1.5	<2.2	<4.4

TABLE 3

SUMMARY OF MONITORING WELL SAMPLE ANALYTICAL RESULTS

Martino's Master Drycleaners

7513 41st Avenue, Kenosha, Wisconsin

Monitoring Well Identification	Sample Date	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride	Benzene	n-Butylbenzene	sec-Butylbenzene	Chloroethane	1,2-Dichloroethane	1,1-Dichloroethene	Di-isopropyl ether	Ethylbenzene	Isopropylbenzene	MTBE	Naphthalene	n-Propylbenzene	p-Isopropyltoluene	Toluene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Xylenes (total)
Public Health Enforcement Standard		**5**	**5**	**70**	**100**	**0.2**	**5**	**NE**	**NE**	**400**	**5**	**7**	**NE**	**700**	**NE**	**60**	**100**	**NE**	**NE**	**1,000**	**480**	**480**	**10,000**
Public Health Preventive Action Limit		**0.5**	**0.5**	**7**	**20**	**0.02**	**0.5**	**NE**	**NE**	**80**	**0.5**	**0.7**	**NE**	**140**	**NE**	**12**	**10**	**NE**	**NE**	**200**	**96**	**96**	**1,000**
MW-2	09/08/11	<1.1	**114**	**175**	**2.7**	**9.7**	<1.0	<2.3	<2.2	<0.60	<0.90	**1.7 J**	<1.9	**39.2**	**2.5**	<1.5	**8.0J**	**6.1**	<1.7	<1.7	**38.6**	**3.6**	**38.2**
	08/07/12	<0.17	**11**	**110**	**1.9**	**27**	**0.89**	<0.13	**1.7**	<0.34	<0.28	**1.5**	NA	**85**	**8.7**	<0.24	**27**	**26**	<0.17	**2**	**100**	**0.78J**	**66**
	12/16/13	<0.33	**2.58**	**111**	**1.22**	**7.6**	**0.75 J**	**1.52**	**0.85 J**	<0.63	<0.41	<0.4	<2.3	**49**	**4.9**	<0..23	**11**	**13**	<0.31	**0.73 J**	**26.4**	<1.4	**28.9**
	03/13/14	<0.33	**2.01**	**86**	**1.51**	**5.2**	**0.76 J**	**2**	**1.28**	<0.63	<0.41	<0.4	<2.3	**94**	**8.1**	<0..23	**12**	**21.3**	**0.47 J**	**1.68 J**	**52**	<1.4	**56**
	05/28/14	<0.33	**0.89 J**	**45**	**1.23**	**1.99**	**0.88**	**4.5**	**3.09**	<0.63	<0.41	<0.4	<2.3	**163**	**17.5**	<0..23	**33**	**44**	**0.99**	**2.26**	**161**	<1.4	**141.4 J**
	09/23/14	<0.33	<0.33	**24**	**0.93 J**	**8.1**	**0.33 J**	<0.35	<0.33	<0.63	<0.41	<0.4	<2.3	<0.55	**0.35 J**	<0.23	<1.7	<0.25	<0.31	<0.69	**4.7 J**	<1.4	**2.12 J**
	11/14/14	<0.33	**1.84**	**112**	**1.75**	**10**	**0.71 J**	**0.52 J**	**0.59 J**	<0.63	<0.41	**0.64 J**	<2.3	**11.3**	**3.8**	<0.23	**7.3**	**4.6**	<0.31	**1.11 J**	**26.9**	<1.4	**32**
	03/20/15	<0.74	**1.86**	**62**	**1.21 J**	**10.4**	**0.49 J**	**1.17 J**	**1.61 J**	<0.65	<0.54	<0.65	<0.44	**96**	**11.7**	<1.1	**28.5**	**20.4**	<1.1	**4.9**	**169**	**6.7**	**275.8**
	06/23/15	<0.74	<0.47	**27.5**	<0.54	**3.12**	<0.44	<1	<1.2	<0.43	<0.54	<0.65	<0.44	<0.71	<0.82	<1.1	<1.6	<0.77	<1.1	<0.44	<1.6	<1.5	<3.1
	09/18/15	<0.49	<0.47	<0.45	<0.54	<0.17	<0.44	<1	<1.2	<0.65	<0.48	<0.65	<0.44	<0.71	<0.82	<1.1	<1.6	<0.77	<1.1	<0.44	<1.6	<1.5	<3.1
	11/30/15	<0.49	<0.47	**0.90 J**	<0.54	<0.17	<0.44	<1	<1.2	<0.65	<0.48	<0.65	<0.44	<0.71	<0.82	<1.1	<1.6	<0.77	<1.1	<0.44	<1.6	<1.5	<3.1
	03/10/16		<0.47	**14.2**	<0.54	**7.7**	<0.44	<1	<1.2	<0.65	<0.48	<0.65	<0.44	**1.88 J**	<0.82	<1.1	<1.6	<0.77	<1.1	<0.44	**4.9 J**	<1.5	**6.1 J**
	06/07/16	<0.49	<0.47	**32**	**0.59 J**	**23.9**	<0.44	<1	<1.2	<0.65	<0.48	<0.65	<0.44	**10.9**	<0.82	<1.1	<1.6	<0.77	<1.1	<0.44	**9.3**	<1.5	**20.7**
	09/29/16	<0.49	**1.03 J**	**55**	**0.93 J**	**19.7**	**0.59 J**	<1	<1.2	<0.65	<0.48	<0.65	<0.44	**10.4**	**2.32 J**	<1.1	**3.3 J**	**1.19 J**	<1.1	<0.44	**21.3**	<1.5	**18.7**
	07/25/18	**0.44 J**	<0.3	**140**	**3.6**	**8.5**	<0.22	<0.71	<0.79	<0.61	<0.25	<0.42	<0.21	<0.26	<0.78	<0.28	<2.1	<0.61	<0.24	<0.19	<0.8	<0.63	<0.72
	02/22/19	<0.38	<0.3	**2.09**	<0.32	<0.2	<0.22	<0.71	<0.79	<0.61	<0.25	<0.42	<0.21	<0.26	<0.78	<0.28	<2.1	<0.61	<0.24	<0.19	<0.8	<0.63	<0.72
	09/14/20	<0.33	**1.49 J**	**6.8**	<0.37	**4**	<0.33	<0.28	<0.32	<1.1	<0.39	<0.5	<0.34	<0.32	<0.32	<0.47	<1.1	<0.33	<0.47	<0.26	<0.3	<0.32	<1.48
	12/08/20	<0.33	<0.47	**6**	**0.47 J**	**48**	**0.41 J**	<0.28	<0.32	<1.1	<0.39	<0.5	<0.34	<0.32	<0.32	<0.47	<1.1	<0.33	<0.47	<0.26	<0.3	<0.32	<1.48
	03/23/21	<0.54	<0.47	**4.1**	<0.6	**160**	<0.38	<0.46	<0.31	<0.78	<0.44	<0.48	<0.47	<0.37	<0.3	<0.46	<1.4	<0.44	<0.43	<0.42	<0.35	<0.38	<0.21
	06/30/21	<1.08	<0.94	**2.58 J**	<1.2	**189**	<0.76	<0.92	<0.62	<1.56	<0.88	<1.1	<0.94	<0.74	<0.6	<0.92	<2.8	<0.88	<0.86	<0.84	<0.7	<0.76	<2.42
	06/27/22	<0.47	<0.38	**3.2**	<0.5	**187**	0.31 J	<0.71	<0.33	<0.62	<0.43	<0.43	<0.48	<0.33	<0.34	<0.47	<1.4	<0.39	<0.47	<0.33	<0.35	<0.41	<1.01
	08/01/23	<1.3	<1.4	**180**	**27**	**58**	**0.96J**	NA	<1.0	<1.5	<1.4	<1.4	NA	**0.38J**	**1.1J**	<1.5	<2.6	**1.0J**	<0.88	<1.5	**0.53J**	<2.2	**1.9J**

TABLE 3

SUMMARY OF MONITORING WELL SAMPLE ANALYTICAL RESULTS

Martino's Master Drycleaners

7513 41st Avenue, Kenosha, Wisconsin

Monitoring Well Identification	Sample Date	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride	Benzene	n-Butylbenzene	sec-Butylbenzene	Chloroethane	1,2-Dichloroethane	1,1-Dichloroethene	Di-isopropyl ether	Ethylbenzene	Isopropylbenzene	MTBE	Naphthalene	n-Propylbenzene	p-Isopropyltoluene	Toluene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Xylenes (total)
Public Health Enforcement Standard		**5**	**5**	**70**	**100**	**0.2**	**5**	**NE**	**NE**	**400**	**5**	**7**	**NE**	**700**	**NE**	**60**	**100**	**NE**	**NE**	**1,000**	**480**	**480**	**10,000**
Public Health Preventive Action Limit		**0.5**	**0.5**	**7**	**20**	**0.02**	**0.5**	**NE**	**NE**	**80**	**0.5**	**0.7**	**NE**	**140**	**NE**	**12**	**10**	**NE**	**NE**	**200**	**96**	**96**	**1,000**
MW-3	09/08/11	**724**	**194**	<2.0	<1.9	<1.8	<4.1	<9.3	<8.9	<2.4	<3.6	<5.7	<7.6	<5.4	<5.9	<6.1	<8.9	<8.1	<6.7	<6.7	<9.7	<8.3	<18.0
	08/08/12	**1,200**	**380**	**41**	<1.3	<0.50	<0.37	<0.65	<0.75	<1.7	<1.4	<0.95	NA	<0.65	<0.70	<1.2	<0.80	<0.65	<0.85	<0.55	<0.70	<0.90	<0.34
	12/16/13	**810**	**300**	**45**	<3.5	<1.8	<2.4	<3.5	<3.3	<6.3	<4.1	<4.0	<2.3	<5.5	<3	<0.23	<17	<2.5	<3.1	<6.9	<22	<14	<13.2
	03/12/14	**1,030**	**390**	**67**	<3.5	<1.8	<2.4	<3.5	<3.3	<6.3	<4.1	<4.0	<2.3	<5.5	<3	<0.23	<17	<2.5	<3.1	<6.9	<22	<14	<13.2
	05/28/14	**910**	**330**	**134**	<3.5	<1.8	<2.4	<3.5	<3.3	<6.3	<4.1	<4.0	<2.3	<5.5	<3	<0.23	<17	<2.5	<3.1	<6.9	<22	<14	<13.2
	09/23/14	**1,180**	**460**	**275**	<3.5	<1.8	<2.4	<3.5	<3.3	<6.3	<4.1	<4.0	<2.3	<5.5	<3	<0.23	<17	<2.5	<3.1	<6.9	<22	<14	<13.2
	11/13/14	**1,080**	**440**	**313**	<3.5	<1.8	<2.4	<3.5	<3.3	<6.3	<4.1	<4.0	<2.3	<5.5	<3	<0.23	<17	<2.5	<3.1	<6.9	<22	<14	<13.2
	03/20/15	**770**	**340**	**204**	<5.4	<1.7	<4.4	<10	<12	<6.5	<5.4	<6.5	<4.4	<7.1	<8.2	<11	<16	<7.7	<11	<4.4	<16	<15	<31
	06/23/15	**840**	**390**	**266**	<5.4	<1.7	<4.4	<10	<12	<6.5	<5.4	<6.5	<4.4	<7.1	<8.2	<11	<16	<7.7	<11	<4.4	<16	<15	<31
	09/17/15	**960**	**520**	**330**	<5.4	<1.7	<4.4	<10	<12	<6.5	<4.8	<6.5	<4.4	<7.1	<8.2	<11	<16	<7.7	<11	<4.4	<16	<15	<31
	12/01/15	**127**	**67**	**34**	<5.4	<1.7	<4.4	<10	<12	<6.5	<4.8	<6.5	<4.4	<7.1	<8.2	<11	<16	<7.7	<11	<4.4	<16	<15	<31
	03/10/16	**750**	**340**	**250**	**2.32**	<1.7	<4.4	<10	<12	<6.5	<4.8	**0.85 J**	<4.4	<7.1	<8.2	<11	<16	<7.7	<11	<4.4	<16	<15	<31
	06/07/16	**530**	**257**	**179**	<2.7	<0.85	<2.2	<5	<6	<3.25	<2.4	<3.25	<2.2	<3.55	<4.1	<5.5	<8	<3.85	<5.5	<2.2	<8	<7.5	<16.5
	09/29/16	**740**	**400**	**203**	**3.02**	<0.17	<0.44	<1	<1.2	<0.65	<0.48	<0.65	<0.44	<0.71	<0.82	<1.1	<1.6	<0.77	<1.1	<0.44	<1.6	<1.5	<3.1
	07/25/18	**620**	**320**	**213**	<3.4	<2	<2.2	<7.1	<7.9	<6.1	<2.5	<4.2	<2.1	<2.6	<7.8	<2.8	<21	<6.1	<2.4	<1.9	<8	<6.3	<7.2
	03/15/19	**480**	**284**	**930**	**8.2**	**1.25 J**	<1.1	<3.55	<3.95	<3.05	<1.25	**2.6 J**	<1.05	<1.3	<3.9	<1.4	<10.5	<3.05	<1.2	<0.95	<4	<3.15	<3.6
	09/15/20	**680**	**390**	**136**	<3.7	<2	<3.3	<2.8	<3.2	<11	<3.9	<5	<3.4	<3.2	<3.2	<4.7	<11	<3.3	<4.7	<2.6	<3	<3.2	<14.8
	12/08/20	**520**	**380**	**142**	<1.85	<1	<1.65	<1.4	<1.6	<5.5	<1.95	<2.5	<1.7	<1.6	<1.6	<2.35	<5.5	<1.65	<2.35	<1.3	<1.5	<1.6	<7.4
	03/24/21	**430**	**330**	**147**	<3	<0.85	<1.9	<2.3	<1.55	<3.9	<2.2	<2.75	<2.35	<1.85	<1.5	<2.3	<7	<2.2	<2.15	<2.1	<1.75	<1.9	<6.05
	3/24/21 (DUP-2)	**410**	**311**	**154**	**1.27 J**	<0.17	<0.38	<0.46	<0.31	<0.78	<0.44	<0.55	<0.47	<0.37	<0.3	<0.46	<1.4	<0.44	<0.43	<0.42	<0.35	<0.38	<0.44
	07/01/21	**560**	**410**	**134**	<6	<1.7	<3.8	<4.6	<3.1	<7.8	<4.4	<5.5	<4.7	<3.7	<3	<4.6	<14	<4.4	<4.3	<4.2	<3.5	<3.8	<12.1
	06/27/22	**340**	**308**	**238**	<5	<1.5	<3	<7.1	<3.3	<6.2	<4.3	<4.3	<4.8	<3.3	<3.4	<4.7	<14	<3.9	<4.7	<3.3	<3.5	4.1	<10.1
	08/01/23	**170**	**250**	**240**	**1.5J**	**3.6**	<1.5	NA	<1.0	<2.3	<1.4	**0.67J**	NA	<1.1	<1.2	<1.5	<2.6	<1.6	<0.88	<1.5	<1.5	<2.2	<4.4
	8/1/23 (DUP-1)	**400**	**290**	**170**	**1.6J**	**25**	<1.5	NA	<1.0	<2.3	<1.4	**1.2J**	NA	<1.1	<1.2	<1.5	<2.6	<1.6	<0.88	<1.5	<1.5	<2.2	<4.4
MW-3D	12/17/13	<0.33	<0.33	<0.38	<0.35	<0.18	<0.24	<0.35	<0.33	<0.63	<0.41	<0.4	<2.3	<0.55	<0.3	<0.23	<1.7	<0.25	<0.31	<0.69	<2.2	<1.4	<1.32
	03/12/14	<0.33	<0.33	<0.38	<0.35	<0.18	<0.24	<0.35	<0.33	<0.63	<0.41	<0.4	<2.3	<0.55	<0.3	<0.23	<1.7	<0.25	<0.31	<0.69	<2.2	<1.4	<1.32
	05/28/14	<0.33	<0.33	<0.38	<0.35	<0.18	<0.24	<0.35	<0.33	<0.63	<0.41	<0.4	<2.3	<0.55	<0.3	<0.23	<1.7	<0.25	<0.31	<0.69	<2.2	<1.4	<1.32
	09/23/14	<0.33	<0.33	<0.38	<0.35	<0.18	<0.24	<0.35	<0.33	<0.63	<0.41	<0.4	<2.3	<0.55	<0.3	<0.23	<1.7	<0.25	<0.31	<0.69	<2.2	<1.4	<1.32
	11/12/14	<0.33	<0.33	<0.38	<0.35	<0.18	<0.24	<0.35	<0.33	<0.63	<0.41	<0.4	<2.3	<0.55	<0.3	<0.23	<1.7	<0.25	<0.31	<0.69	<2.2	<1.4	<1.32
	03/20/15	<0.74	<0.47	<0.45	<0.54	<0.17	<0.44	<1	<1.2	<0.43	<0.54	<0.65	<0.44	<0.71	<0.82	<1.1	<1.6	<0.77	<1.1	<0.44	<1.6	<1.5	<3.1
	06/23/15	<0.74	<0.47	<0.45	<0.54	<0.17	<0.44	<1	<1.2	<0.43	<0.54	<0.65	<0.44	<0.71	<0.82	<1.1	<1.6	<0.77	<1.1	<0.44	<1.6	<1.5	<3.1
	09/17/15	<0.49	<0.47	<0.45	<0.54	<0.17	<0.44	<1	<1.2	<0.65	<0.48	<0.65	<0.44	<0.71	<0.82	<1.1	<1.6	<0.77	<1.1	<0.44	<1.6	<1.5	<3.1
	12/01/15	<0.49	<0.47	<0.45	<0.54	<0.17	<0.44	<1	<1.2	<0.65	<0.48	<0.65	<0.44	<0.71	<0.82	<1.1	<1.6	<0.77	<1.1	<0.44	<1.6	<1.5	<3.1
	03/10/16	<0.49	<0.47	<0.45	<0.54	<0.17	<0.44	<1	<1.2	<0.65	<0.48	<0.65	<0.44	<0.71	<0.82	<1.1	<1.6	<0.77	<1.1	<0.44	<1.6	<1.5	<3.1
	06/07/16	<0.49	<0.47	<0.45	<0.54	<0.17	<0.44	<1	<1.2	<0.65	<0.48	<0.65	<0.44	<0.71	<0.82	<1.1	<1.6	<0.77	<1.1	<0.44	<1.6	<1.5	<3.1
	02/22/19	<0.38	<0.3	<0.37	<0.32	<0.2	<0.22	<0.71	<0.79	<0.61	<0.25	<0.42	<0.21	<0.26	<0.78	<0.28	<2.1	<0.61	<0.24	<0.19	<0.8	<0.63	<0.72

TABLE 3

SUMMARY OF MONITORING WELL SAMPLE ANALYTICAL RESULTS

Martino's Master Drycleaners

7513 41st Avenue, Kenosha, Wisconsin

Monitoring Well Identification	Sample Date	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride	Benzene	n-Butylbenzene	sec-Butylbenzene	Chloroethane	1,2-Dichloroethane	1,1-Dichloroethene	Di-isopropyl ether	Ethylbenzene	Isopropylbenzene	MTBE	Naphthalene	n-Propylbenzene	p-Isopropyltoluene	Toluene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Xylenes (total)
Public Health Enforcement Standard		**5**	**5**	**70**	**100**	**0.2**	**5**	**NE**	**NE**	**400**	**5**	**7**	**NE**	**700**	**NE**	**60**	**100**	**NE**	**NE**	**1,000**	**480**	**480**	**10,000**
Public Health Preventive Action Limit		**0.5**	**0.5**	**7**	**20**	**0.02**	**0.5**	**NE**	**NE**	**80**	**0.5**	**0.7**	**NE**	**140**	**NE**	**12**	**10**	**NE**	**NE**	**200**	**96**	**96**	**1,000**
MW-4	09/08/11	<0.45	<0.48	<0.83	<0.89	<0.18	**4.2**	<0.93	<0.89	<0.24	<0.36	<0.57	<0.76	<0.54	<0.59	<0.61	<0.89	<0.81	<0.67	<0.67	<0.97	<0.83	<2.63
	08/07/12	<0.17	<0.19	<0.12	<0.25	<0.10	**4.9**	<0.13	<0.15	<0.34	<0.28	<0.19	NA	<0.13	<0.14	<0.24	<0.16	<0.13	<0.17	<0.11	<0.14	<0.18	<0.068
	12/16/13	<0.33	<0.33	<0.38	<0.35	<0.18	<0.24	<0.35	<0.33	<0.63	<0.41	<0.4	<2.3	<0.55	<0.3	<0.23	<1.7	<0.25	<0.31	<0.69	<2.2	<1.4	<1.32
	03/12/14	<0.33	<0.33	<0.38	<0.35	<0.18	<0.24	<0.35	<0.33	<0.63	<0.41	<0.4	<2.3	<0.55	<0.3	**0.35 J**	<1.7	<0.25	<0.31	<0.69	<2.2	<1.4	<1.32
	05/28/14	<0.33	<0.33	<0.38	<0.35	<0.18	<0.24	<0.35	<0.33	<0.63	<0.41	<0.4	<2.3	<0.55	<0.3	<0.23	<1.7	<0.25	<0.31	<0.69	<2.2	<1.4	<1.32
	09/23/14	<0.33	<0.33	<0.38	<0.35	<0.18	<0.24	<0.35	<0.33	<0.63	<0.41	<0.4	<2.3	<0.55	<0.3	<0.23	<1.7	<0.25	<0.31	<0.69	<2.2	<1.4	<1.32
	11/12/14	<0.33	<0.33	<0.38	<0.35	<0.18	<0.24	<0.35	<0.33	<0.63	<0.41	<0.4	<2.3	<0.55	<0.3	**0.24 J**	<1.7	<0.25	<0.31	<0.69	<2.2	<1.4	<1.32
	03/18/15	<0.74	<0.47	<0.45	<0.54	<0.17	<0.44	<1	<1.2	<0.43	<0.54	<0.65	<0.44	<0.71	<0.82	<1.1	<1.6	<0.77	<1.1	<0.44	<1.6	<1.5	<3.1
	06/23/15	<0.74	<0.47	<0.45	<0.54	<0.17	<0.44	<1	<1.2	<0.43	<0.54	<0.65	<0.44	<0.71	<0.82	<1.1	<1.6	<0.77	<1.1	<0.44	<1.6	<1.5	<3.1
	09/17/15	<0.49	<0.47	<0.45	<0.54	<0.17	<0.44	<1	<1.2	<0.65	<0.48	<0.65	<0.44	<0.71	<0.82	<1.1	<1.6	<0.77	<1.1	<0.44	<1.6	<1.5	<3.1
	11/30/15	<0.49	<0.47	<0.45	<0.54	<0.17	<0.44	<1	<1.2	<0.65	<0.48	<0.65	<0.44	<0.71	<0.82	<1.1	<1.6	<0.77	<1.1	<0.44	<1.6	<1.5	<3.1
	03/10/16	<0.49	<0.47	<0.45	<0.54	<0.17	<0.44	<1	<1.2	<0.65	<0.48	<0.65	<0.44	<0.71	<0.82	<1.1	<1.6	<0.77	<1.1	<0.44	<1.6	<1.5	<3.1
	06/07/16	<0.49	<0.47	<0.45	<0.54	<0.17	<0.44	<1	<1.2	<0.65	<0.48	<0.65	<0.44	<0.71	<0.82	<1.1	<1.6	<0.77	<1.1	<0.44	<1.6	<1.5	<3.1
	08/02/23	<1.3	<1.4	<1.4	<1.6	<1.8	**6.8**	NA	<1.0	<2.3	<1.4	<1.4	NA	<1.1	<1.2	<1.5	<2.6	<1.6	<0.88	<1.5	<1.5	<2.2	<4.4
MW-5	09/07/11	<0.45	<0.48	<0.83	<0.89	<0.18	<0.41	<0.93	<0.89	<0.24	<0.36	<0.57	<0.76	<0.54	<0.59	<0.61	<0.89	<0.81	<0.67	<0.67	<0.97	<0.83	<2.63
	08/08/12	<0.17	<0.19	<0.12	<0.25	<0.10	<0.074	<0.13	<0.15	<0.34	<0.28	<0.19	NA	<0.13	<0.14	<0.24	<0.16	<0.13	<0.17	<0.11	<0.14	<0.18	<0.068
	12/16/13	<0.33	<0.33	<0.38	<0.35	<0.18	<0.24	<0.35	<0.33	<0.63	<0.41	<0.4	<2.3	<0.55	<0.3	<0.23	<1.7	<0.25	<0.31	<0.69	<2.2	<1.4	<1.32
	03/13/14	<0.33	<0.33	<0.38	<0.35	<0.18	<0.24	<0.35	<0.33	<0.63	<0.41	<0.4	<2.3	<0.55	<0.3	<0.23	<1.7	<0.25	<0.31	<0.69	<2.2	<1.4	<1.32
	05/29/14	<0.33	<0.33	<0.38	<0.35	<0.18	<0.24	<0.35	<0.33	<0.63	<0.41	<0.4	<2.3	<0.55	<0.3	<0.23	<1.7	<0.25	<0.31	<0.69	<2.2	<1.4	<1.32
	09/23/14	<0.33	<0.33	<0.38	<0.35	<0.18	<0.24	<0.35	<0.33	<0.63	<0.41	<0.4	<2.3	<0.55	<0.3	<0.23	<1.7	<0.25	<0.31	<0.69	<2.2	<1.4	<1.32
	11/14/14	<0.33	<0.33	<0.38	<0.35	<0.18	<0.24	<0.35	<0.33	<0.63	<0.41	<0.4	<2.3	<0.55	<0.3	<0.23	<1.7	<0.25	<0.31	<0.69	<2.2	<1.4	<1.32
	03/19/15	<0.74	<0.47	<0.45	<0.54	<0.17	<0.44	<1	<1.2	<0.43	<0.54	<0.65	<0.44	<0.71	<0.82	<1.1	<1.6	<0.77	<1.1	<0.44	<1.6	<1.5	<3.1
	06/23/15	<0.74	<0.47	<0.45	<0.54	<0.17	<0.44	<1	<1.2	<0.43	<0.54	<0.65	<0.44	<0.71	<0.82	<1.1	<1.6	<0.77	<1.1	<0.44	<1.6	<1.5	<3.1
	09/18/15	<0.49	<0.47	<0.45	<0.54	<0.17	<0.44	<1	<1.2	<0.65	<0.48	<0.65	<0.44	<0.71	<0.82	<1.1	<1.6	<0.77	<1.1	<0.44	<1.6	<1.5	<3.1
	12/02/15	<0.49	<0.47	<0.45	<0.54	<0.17	<0.44	<1	<1.2	<0.65	<0.48	<0.65	<0.44	<0.71	<0.82	<1.1	<1.6	<0.77	<1.1	<0.44	<1.6	<1.5	<3.1
	03/11/16	<0.49	<0.47	<0.45	<0.54	<0.17	<0.44	<1	<1.2	<0.65	<0.48	<0.65	<0.44	<0.71	<0.82	<1.1	<1.6	<0.77	<1.1	<0.44	<1.6	<1.5	<3.1
	06/07/16	<0.49	<0.47	<0.45	<0.54	<0.17	<0.44	<1	<1.2	<0.65	<0.48	<0.65	<0.44	<0.71	<0.82	<1.1	<1.6	<0.77	<1.1	<0.44	<1.6	<1.5	<3.1
	08/01/23	<1.3	<1.4	<1.4	<1.6	<1.8	<1.5	NA	<1.0	<2.3	<1.4	<1.4	NA	<1.1	<1.2	<1.5	<2.6	<1.6	<0.88	<1.5	<1.5	<2.2	<4.4

TABLE 3

SUMMARY OF MONITORING WELL SAMPLE ANALYTICAL RESULTS

Martino's Master Drycleaners

7513 41st Avenue, Kenosha, Wisconsin

Monitoring Well Identification	Sample Date	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride	Benzene	n-Butylbenzene	sec-Butylbenzene	Chloroethane	1,2-Dichloroethane	1,1-Dichloroethene	Di-isopropyl ether	Ethylbenzene	Isopropylbenzene	MTBE	Naphthalene	n-Propylbenzene	p-Isopropyltoluene	Toluene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Xylenes (total)
Public Health Enforcement Standard		**5**	**5**	**70**	**100**	**0.2**	**5**	**NE**	**NE**	**400**	**5**	**7**	**NE**	**700**	**NE**	**60**	**100**	**NE**	**NE**	**1,000**	**480**	**480**	**10,000**
Public Health Preventive Action Limit		**0.5**	**0.5**	**7**	**20**	**0.02**	**0.5**	**NE**	**NE**	**80**	**0.5**	**0.7**	**NE**	**140**	**NE**	**12**	**10**	**NE**	**NE**	**200**	**96**	**96**	**1,000**
MW-6	09/07/11	**369**	**433**	**68.5**	<4.4	<0.90	<2.0	<4.6	<4.4	<1.2	<1.8	<2.8	<3.8	<2.7	<3.0	<3.0	<4.4	<4.0	<3.4	<3.4	<4.8	<4.2	<13.2
	08/08/12	**200**	**360**	**260**	**0.92J**	<0.10	<0.074	<0.13	<0.15	<0.34	<0.28	<0.19	NA	<0.13	<0.14	<0.24	<0.16	<0.13	<0.17	<0.11	<0.14	<0.18	<0.068
	12/16/13	**104**	**233**	**159**	<3.5	<1.8	<2.4	<3.5	<3.3	<6.3	<4.1	<4.0	<2.3	<5.5	<3	<0.23	<17	<2.5	<3.1	<6.9	<22	<14	<13.2
	03/12/14	**138**	**269**	**70**	<1.75	<0.90	<1.2	<1.75	<1.65	<3.15	<0.41	<2	<2.3	<2.75	<1.5	<0.1.15	<8.5	<1.25	<1.55	<3.45	<11	<7	<6.60
	05/28/14	**114**	**203**	**66**	<1.75	<0.90	<1.2	<1.75	<1.65	<3.15	<0.41	<2	<2.3	<2.75	<1.5	<0.1.15	<8.5	<1.25	<1.55	<3.45	<11	<7	<6.60
	09/23/14	**145**	**213**	**182**	<0.35	**0.58**	<0.24	<0.35	<0.33	<0.63	<0.41	<0.4	<2.3	<0.55	<0.3	<0.23	<1.7	<0.25	<0.31	<0.69	<2.2	<1.4	<1.32
	11/13/14	**142**	**214**	**185**	**1.65**	**0.21 J**	<0.24	<0.35	<0.33	<0.63	<0.41	<0.4	<2.3	<0.55	<0.3	<0.23	<1.7	<0.25	<0.31	<0.69	<2.2	<1.4	<1.32
	03/19/15	**85**	**205**	**167**	**2.28**	**2.08**	<0.44	<1	<1.2	<0.43	<0.54	<0.65	<0.44	<0.71	<0.82	<1.1	<1.6	<0.77	<1.1	<0.44	<1.6	<1.5	<3.1
	06/23/15	**88**	**200**	**191**	**2.21**	**1.02**	<0.44	<1	<1.2	<0.43	<0.54	<0.65	<0.44	<0.71	<0.82	<1.1	<1.6	<0.77	<1.1	<0.44	<1.6	<1.5	<3.1
	09/17/15	**93**	**205**	**187**	**2.1**	**13.3**	<0.44	<1	<1.2	<0.65	<0.48	<0.65	<0.44	<0.71	<0.82	<1.1	<1.6	<0.77	<1.1	<0.44	<1.6	<1.5	<3.1
	12/01/15	**65**	**242**	**143**	<5.4	**11.8**	<4.4	<10	<12	<6.5	<4.8	<6.5	<4.4	<7.1	<8.2	<11	<16	<7.7	<11	<4.4	<16	<15	<31
	03/10/16	**75**	**224**	**146**	**4.2 J**	**7.9**	<2.2	<5	<6	<2.15	<2.4	<3.25	<2.2	<3.55	<4.2	<5.5	<8	<3.85	<5.5	<2.2	<8	<7.5	<15.5
	06/07/16	**68**	**170**	**151**	**4.5**	**1.07**	<0.44	<1	<1.2	<0.65	<0.48	<0.65	<0.44	<0.71	<0.82	<1.1	<1.6	<0.77	<1.1	<0.44	<1.6	<1.5	<3.1
	09/29/16	**93**	**205**	**179**	**3.5**	**0.31 J**	<0.44	<1	<1.2	<0.65	<0.48	<0.65	<0.44	<0.71	<0.82	<1.1	<1.6	<0.77	<1.1	<0.44	<1.6	<1.5	<3.1
	07/25/18	**86**	**223**	**186**	**1.67**	**1.7**	<0.22	<0.71	<0.79	<0.61	<0.25	<0.42	<0.21	<0.26	<0.78	<0.28	<2.1	<0.61	<0.24	<0.19	<0.8	<0.63	<0.72
	02/22/19	**73**	**224**	**183**	**2.5**	**19.9**	<0.22	<0.71	<0.79	<0.61	<0.25	<0.42	<0.21	<0.26	<0.78	<0.28	<2.1	<0.61	<0.24	<0.19	<0.8	<0.63	<0.72
	09/15/20	**98**	**232**	**281**	<1.85	**7.9**	<1.65	<1.4	<1.6	<5.5	<1.95	<2.5	<1.7	<1.6	<1.6	<2.35	<5.5	<1.65	<2.35	<1.3	<1.5	<1.6	<7.4
	03/24/21	**50**	**141**	**185**	<3	**9.0**	<1.9	<2.3	<1.55	<3.9	<2.2	<2.75	<2.35	<1.85	<1.5	<2.3	<7	<2.2	<2.15	<2.1	<1.75	<1.9	<6.05
	07/01/21	**40**	**131**	**159**	<3	**3.9**	<1.9	<2.3	<1.55	<3.9	<2.2	<2.75	<2.35	<1.85	<1.5	<2.3	<7	<2.2	<2.15	<2.1	<1.75	<1.9	<6.05
	06/27/22	**55**	**114**	**168**	<5	**5.7 J**	<3	<7.1	<3.3	<6.2	<4.3	<4.3	<4.8	<3.3	<3.4	<4.7	<14	<3.9	<4.7	<3.3	<3.5	4.1	<10.1
	08/03/23	**76**	**80**	**180**	**67**	**12**	<1.5	NA	<1.0	<2.3	<1.4	**1.7**	NA	<1.1	<1.2	<1.5	<2.6	<1.6	<0.88	<1.5	<1.5	<2.2	<4.4
MW-7	09/08/11	<0.9	<0.94	<1.7	<1.8	<0.36	**3.0**	<1.9	<1.8	<2.6	<0.72	<1.1	<1.5	**339**	**21.8**	<1.2	**68.6**	**49.3**	<1.3	**7.2**	**222**	**46**	**1,070**
	08/08/12	<0.34	<0.38	<0.24	<0.50	<0.20	**6.6**	**21**	**6**	<0.68	<0.56	<0.38	NA	**550**	**39**	<0.34	**180**	**120**	**2.9**	**2.6**	**730**	**190**	**1,500**
	12/16/13	<3.3	<3.3	<3.8	<3.5	<1.8	**3.0 J**	**6.2 J**	<3.3	<6.3	<4.1	<4.0	<2.3	**183**	**17.1**	<2.3	**73**	**45**	<3.1	<6.9	**350**	**70**	**404**
	03/13/14	<1.65	<1.65	<1.9	<1.75	<0.9	**1.8 J**	**6.5**	**1.7 J**	<3.15	<4.1	<2	<2.3	**67**	**12.4**	<1.15	**24.3**	**25.6**	<1.55	<3.45	**271**	**69**	**307**
	05/28/14	<3.3	<3.3	<3.8	<3.5	<1.8	**19.5**	**23.2**	**4.3 J**	<6.3	<4.1	<4	<2.3	**710**	**36**	<2.3	**251**	**82**	**3.6 J**	<6.9	**1,160**	**276**	**2,620**
	09/22/14	<3.3	<3.3	<3.8	<3.5	<1.8	<2.4	**17.3**	**4.5 J**	<6.3	<4.1	<4	<2.3	**690**	<3	<2.3	**200**	**96**	**40**	<6.9	**920**	**216**	**2,046**
	11/12/14	<3.3	<3.3	<3.8	<3.5	<1.8	<2.4	**12.6**	**4.3 J**	<6.3	<4.1	<4	<2.3	**310**	**40**	<2.3	**121**	**87**	<3.1	<6.9	**590**	**138**	**715**
	03/20/15	<7.4	<4.7	<4.5	<5.4	<1.7	<4.4	**30.5 J**	<12	<6.5	<5.4	<6.5	<4.4	**890**	**45**	<11	**350**	**116**	<11	**6.3 J**	**1,490**	**350**	**2,800**
	06/23/15	<7.4	<4.7	<4.5	<5.4	<1.7	<4.4	**25.8 J**	<12	<6.5	<5.4	<6.5	<4.4	**950**	**53**	<11	**380**	**129**	<11	<4.4	**1,250**	**280**	**2,880**
	09/18/15	<4.9	<4.7	<4.5	<5.4	<1.7	<4.4	**37**	<12	<6.5	<4.8	<6.5	<4.4	**550**	**40**	<11	**176**	**111**	<11	<4.4	**1,490**	**330**	**1,396**
	12/01/15	<4.9	<4.7	<4.5	<5.4	<1.7	<4.4	**29.6 J**	<12	<6.5	<4.8	<6.5	<4.4	**1,050**	**57**	<11	**360**	**140**	<11	**4.7 J**	**1,520**	**340**	**2,700**
	03/10/16	<4.9	<4.7	<4.5	<5.4	<1.7	<4.4	**21.4 J**	<12	<6.5	<4.8	<6.5	<4.4	**770**	**51**	<11	**182**	**116**	<11	**4.7 J**	**1,100**	**242**	**2,032**
	06/07/16	<4.9	<4.7	<4.5	<5.4	**5.5**	<4.4	**18.7 J**	<12	<6.5	<4.8	<6.5	<4.4	**800**	**54**	<11	**295**	**131**	<11	<4.4	**1,030**	**207**	**1,889**
	09/29/16	<4.9	<4.7	<4.5	<5.4	**35**	<4.4	**10.9 J**	<12	<6.5	<4.8	<6.5	<4.4	**410**	**48**	<11	**138**	**101**	<11	<4.4	**590**	**114**	**690**
	07/25/18	<3.8	<3	**18.6**	<3.4	**10**	<2.2	**24.7**	**11 J**	<5.4	<2.5	<4.2	<2.1	**930**	**98**	<2.8	**320**	**244**	**3.7 J**	<1.9	**1,100**	**179**	**1,813**
	09/14/20	<3.3	<4.7	**5.2 J**	<3.7	**32**	<3.3	**24.8**	**9.2 J**	<11	<3.9	<5	<3.4	**860**	**106**	<4.7	**294**	**236**	<4.7	<2.6	**990**	**201**	**1,762**
	9/14/20 (DUP-1)	<3.3	<4.7	**5.9 J**	<3.7	**35**	<3.3	**23.9**	**8.8 J**	<11	<3.9	<5	<3.4	**840**	**102**	<4.7	**330**	**220**	<4.7	<2.6	**960**	**192**	**1,728**
	03/23/21	<0.54	<0.47	<0.39	<0.6	**6.5**	**0.54 J**	**44**	**7.1**	<0.78	<0.44	<0.55	<0.47	**1,050**	**77**	<0.46	**430**	**143**	**5.8**	**3.6**	**1,540**	**430**	**2,680**
	06/27/22	<4.7	<3.8	<3.2	<5	**15.2**	**<3**	**52**	**13.8**	<6.2	<4.3	<4.3	<4.8	**780**	**90**	<4.7	**313**	**207**	**6.0 J**	**4.2 J**	**1,280**	**232**	**1,010**
	08/02/23	**1.5**	<1.4	**21**	<4.6	**11**	**5.7**	NA	**2.8**	<2.3	<1.4	<1.4	NA	**74**	**80**	<1.5	**23**	**88**	**0.96**	**2.9**	**56**	**4.0**	**50**

TABLE 3

SUMMARY OF MONITORING WELL SAMPLE ANALYTICAL RESULTS

Martino's Master Drycleaners

7513 41st Avenue, Kenosha, Wisconsin

Monitoring Well Identification	Sample Date	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride	Benzene	n-Butylbenzene	sec-Butylbenzene	Chloroethane	1,2-Dichloroethane	1,1-Dichloroethene	Di-isopropyl ether	Ethylbenzene	Isopropylbenzene	MTBE	Naphthalene	n-Propylbenzene	p-Isopropyltoluene	Toluene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Xylenes (total)
Public Health Enforcement Standard		**5**	**5**	**70**	**100**	**0.2**	**5**	**NE**	**NE**	**400**	**5**	**7**	**NE**	**700**	**NE**	**60**	**100**	**NE**	**NE**	**1,000**	**480**	**480**	**10,000**
Public Health Preventive Action Limit		**0.5**	**0.5**	**7**	**20**	**0.02**	**0.5**	**NE**	**NE**	**80**	**0.5**	**0.7**	**NE**	**140**	**NE**	**12**	**10**	**NE**	**NE**	**200**	**96**	**96**	**1,000**
MW-8	12/17/13	<0.33	<0.33	<0.38	<0.35	<0.18	**25.8**	**0.81 J**	**0.51 J**	<0.63	<0.41	<0.4	<2.3	**8.8**	**4.4**	<0.23	**12.1**	**16**	<0.31	**2.06 J**	**5.3 J**	**2.63 J**	**25.4 J**
	03/12/14	<0.33	<0.33	<0.38	<0.35	<0.18	**25.6**	**3.8**	**1.1**	<0.63	<0.41	<0.4	<2.3	**22.2**	**3.9**	<0.23	**9.7**	**14.7**	**0.46 J**	**3.12**	**71**	**21.5**	**178.1**
	05/29/14	<0.33	<0.33	<0.38	<0.35	<0.18	**19.5**	**0.49 J**	**0.33 J**	<0.63	<0.41	<0.4	<2.3	**1.33 J**	**2.78**	<0.23	**8.4**	**13**	<0.31	<0.69	**2.7 J**	<1.4	**5.5**
	09/22/14	<0.33	<0.33	<0.38	<0.35	<0.18	**0.85**	<0.35	<0.33	<0.63	<0.41	<0.4	<2.3	**1.7**	<0.3	<0.23	<1.7	**0.69 J**	<0.31	<0.69	<2.2	<1.4	**4.7**
	11/13/14	<0.33	<0.33	<0.38	<0.35	**1.28**	**7.2**	<0.35	<0.33	<0.63	<0.41	<0.4	<2.3	<0.55	**1.19**	**0.37 J**	**2.25 J**	**4.9**	<0.31	<0.69	<2.2	<1.4	**3.3**
	03/20/15	<0.74	<0.47	<0.45	<0.54	**0.99**	**43**	**1.95 J**	<1.2	<0.43	<0.54	<0.65	<0.44	**51**	**5.2**	<1.1	**18.7**	**18.2**	<1.1	**5.0**	**63**	**16.6**	**195.1**
	06/22/15	<0.74	<0.47	<0.45	<0.54	**2.47**	**22.8**	<1	<1.2	<0.43	<0.54	<0.65	<0.44	**8.4**	**2.13 J**	<1.1	**5.4**	**9.9**	<1.1	**1.13 J**	**9.1**	**2.21 J**	**26.88**
	09/18/15	<0.49	<0.47	<0.45	<0.54	**1.32**	**25.8**	<1	<1.2	<0.65	<0.48	<0.65	<0.44	**6.8**	**3.13**	<1.1	**7.9**	**13.4**	<1.1	**1.39 J**	**8.0**	**2.57 J**	**25.76**
	12/02/15	<0.49	<0.47	<0.45	<0.54	<0.17	**2.17**	<1	<1.2	<0.65	<0.48	<0.65	<0.44	**1.68 J**	<0.82	<1.1	**2.12 J**	<0.77	<1.1	<0.44	**4.1 J**	**2.21 J**	**13.59 J**
	03/10/16	<0.49	<0.47	<0.45	<0.54	**0.63**	**2.0**	<1	<1.2	<0.65	<0.48	<0.65	<0.44	<0.71	<0.82	<1.1	<1.6	<0.77	<1.1	<0.44	<1.6	<1.5	<3.1
	06/06/16	<0.49	<0.47	<0.45	<0.54	**7.6**	**72**	<1	<1.2	<0.65	<0.48	<0.65	<0.44	**24.1**	**6.3**	<1.1	**8.7**	**25.7**	<1.1	**1.8**	**16.8**	**3.5 J**	**49.14**
	07/25/18	<0.38	<0.3	<0.37	<0.34	**5.4**	**18.3**	<0.71	<0.79	<0.61	**0.69 J**	<0.42	<0.21	**2.05**	**2.04 J**	<0.28	<2.1	**6.3**	<0.24	**0.52 J**	**1.22 J**	<0.63	**3.04**
	09/14/20	<0.33	<0.47	<0.39	<0.37	**3.13**	**17.1**	<0.28	<0.32	<1.1	<0.39	<0.5	<0.34	**4.1**	**0.75 J**	<0.47	<1.1	**1.66**	<0.47	**0.49 J**	**34.0**	**23.6**	**79.29**
	03/24/21	<0.54	<0.47	<0.39	<0.6	**<0.17**	**0.52 J**	<0.46	<0.31	<0.78	<0.44	<0.55	<0.47	**<0.37**	**<0.3**	<0.46	<1.4	**<0.44**	<0.43	**<0.42**	**<0.35**	**0.40 J**	**0.78 J**
	8/1/2023*	<1.3	<1.4	<1.4	<1.6	<1.8	**32**	NA	**1.6**	<2.3	<1.4	<1.4	NA	**7.3**	**9.4**	<1.5	**2.2J**	**29**	<0.88	**0.49J**	**13**	**3**	**24**
MW-9	12/17/13	<0.33	<0.33	**0.42 J**	<0.35	<0.18	<0.24	<0.35	<0.33	<0.63	<0.41	<0.4	<2.3	<0.55	<0.3	<0.23	<1.7	<0.25	<0.31	<0.69	<2.2	<1.4	<1.32
	03/12/14	<0.33	<0.33	<0.38	<0.35	<0.18	<0.24	<0.35	<0.33	<0.63	<0.41	<0.4	<2.3	<0.55	<0.3	<0.23	<1.7	<0.25	<0.31	<0.69	<2.2	<1.4	<1.32
	05/29/14	<0.33	<0.33	**0.60 J**	<0.35	**0.59**	<0.24	<0.35	<0.33	<0.63	<0.41	<0.4	<2.3	<0.55	<0.3	<0.23	<1.7	<0.25	<0.31	<0.69	<2.2	<1.4	<1.32
	09/22/14	<0.33	<0.33	**0.71 J**	<0.35	**0.34 J**	<0.24	<0.35	<0.33	<0.63	<0.41	<0.4	<2.3	<0.55	<0.3	<0.23	<1.7	<0.25	<0.31	<0.69	<2.2	<1.4	<1.32
	11/12/14	<0.33	<0.33	**0.69 J**	<0.35	**0.51 J**	<0.24	<0.35	<0.33	<0.63	<0.41	<0.4	<2.3	<0.55	<0.3	<0.23	<1.7	<0.25	<0.31	<0.69	<2.2	<1.4	<1.32
	03/18/15	<0.74	<0.47	**0.58 J**	<0.54	**0.95**	<0.44	<1	<1.2	<0.43	<0.54	<0.65	<0.44	<0.71	<0.82	<1.1	<1.6	<0.77	<1.1	<0.44	<1.6	<1.5	<3.1
	06/22/15	<0.74	<0.47	**0.65 J**	<0.54	**1.35**	<0.44	<1	<1.2	<0.43	<0.54	<0.65	<0.44	<0.71	<0.82	<1.1	<1.6	<0.77	<1.1	<0.44	<1.6	<1.5	<3.1
	09/18/15	<0.49	<0.47	**0.73 J**	<0.54	**0.70**	<0.44	<1	<1.2	<0.65	<0.48	<0.65	<0.44	<0.71	<0.82	<1.1	<1.6	<0.77	<1.1	<0.44	<1.6	<1.5	<3.1
	12/02/15	<0.49	<0.47	**0.80 J**	<0.54	**3.01**	<0.44	<1	<1.2	<0.65	<0.48	<0.65	<0.44	<0.71	<0.82	<1.1	<1.6	<0.77	<1.1	<0.44	<1.6	<1.5	<3.1
	09/15/20	<0.33	<0.47	<0.39	<0.37	<0.2	<0.33	<0.28	<0.32	<1.1	<0.39	<0.5	<0.34	<0.32	<0.32	<0.47	<1.1	<0.33	<0.47	<0.26	<0.3	<0.32	<1.48
	12/08/20	<0.33	<0.47	<0.39	<0.37	<0.2	<0.33	<0.28	<0.32	<1.1	<0.39	<0.5	<0.34	<0.32	<0.32	<0.47	<1.1	<0.33	<0.47	<0.26	<0.3	<0.32	<1.48
	03/22/21	<0.54	<0.47	<0.39	<0.6	<0.17	<0.38	<0.46	<0.31	<0.78	<0.44	<0.55	<0.47	<0.37	<0.3	<0.46	<1.4	<0.44	<0.43	<0.42	<0.35	<0.38	<1.21
	08/02/23	<1.3	<1.4	**1.8**	<1.6	<1.8	<1.5	NA	<1.0	<2.3	<1.4	<1.4	NA	<1.1	<1.2	<1.5	<2.6	<1.6	<0.88	<1.5	<1.5	<2.2	<4.4

TABLE 3

SUMMARY OF MONITORING WELL SAMPLE ANALYTICAL RESULTS

Martino's Master Drycleaners

7513 41st Avenue, Kenosha, Wisconsin

Monitoring Well Identification	Sample Date	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride	Benzene	n-Butylbenzene	sec-Butylbenzene	Chloroethane	1,2-Dichloroethane	1,1-Dichloroethene	Di-isopropyl ether	Ethylbenzene	Isopropylbenzene	MTBE	Naphthalene	n-Propylbenzene	p-Isopropyltoluene	Toluene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Xylenes (total)
Public Health Enforcement Standard		**5**	**5**	**70**	**100**	**0.2**	**5**	**NE**	**NE**	**400**	**5**	**7**	**NE**	**700**	**NE**	**60**	**100**	**NE**	**NE**	**1,000**	**480**	**480**	**10,000**
Public Health Preventive Action Limit		**0.5**	**0.5**	**7**	**20**	**0.02**	**0.5**	**NE**	**NE**	**80**	**0.5**	**0.7**	**NE**	**140**	**NE**	**12**	**10**	**NE**	**NE**	**200**	**96**	**96**	**1,000**
MW-10	09/22/14	<0.33	<0.33	**0.52 J**	<0.35	**2.04**	**0.46 J**	<0.35	<0.33	<0.63	**0.7 J**	<0.4	<2.3	<0.55	<0.3	**0.39 J**	<1.7	<0.25	<0.31	<0.69	<2.2	<1.4	<1.32
	11/13/14	<0.33	<0.33	**0.58 J**	<0.35	**2.56**	**0.39 J**	<0.35	<0.33	<0.63	**0.70 J**	<0.4	<2.3	<0.55	<0.3	**0.46 J**	<1.7	<0.25	<0.31	<0.69	<2.2	<1.4	<1.32
	03/18/15	<0.74	<0.47	**0.51 J**	<0.54	**1.69**	<0.44	<1	<1.2	<0.43	<0.54	<0.65	<0.44	<0.71	<0.82	<1.1	<1.6	<0.77	<1.1	<0.44	<1.6	<1.5	<3.1
	06/22/15	<0.74	<0.47	**0.82 J**	<0.54	**1.73**	<0.44	<1	<1.2	<0.43	<0.54	<0.65	<0.44	<0.71	<0.82	<1.1	<1.6	<0.77	<1.1	<0.44	<1.6	<1.5	<3.1
	10/18/15	<0.49	<0.47	**1.05 J**	<0.54	**1.96**	<0.44	<1	<1.2	<0.65	**0.54 J**	<0.65	<0.44	<0.71	<0.82	<1.1	<1.6	<0.77	<1.1	<0.44	<1.6	<1.5	<3.1
	12/01/15	<0.49	<0.47	**0.66 J**	<0.54	**0.55**	<0.44	<1	<1.2	<0.65	<0.48	<0.65	<0.44	<0.71	<0.82	<1.1	<1.6	<0.77	<1.1	<0.44	<1.6	<1.5	<3.1
	03/11/16	<0.49	<0.47	**0.75 J**	<0.54	**0.62**	<0.44	<1	<1.2	<0.65	<0.48	**0.49 J**	<0.44	<0.71	<0.82	<1.1	<1.6	<0.77	<1.1	<0.44	<1.6	<1.5	<3.1
	06/06/16	<0.49	<0.47	**1.06 J**	<0.54	**1.18**	<0.44	<1	<1.2	<0.65	**0.54 J**	<0.65	<0.44	<0.71	<0.82	<1.1	<1.6	<0.77	<1.1	<0.44	<1.6	<1.5	<3.1
	09/29/16	<0.49	<0.47	**2.14**	<0.54	**3.2**	<0.44	<1	<1.2	<0.65	**0.69 J**	<0.65	<0.44	<0.71	<0.82	<1.1	<1.6	<0.77	<1.1	<0.44	<1.6	<1.5	<3.1
	07/25/18	<0.38	<0.3	**1.19**	<0.34	**0.90**	<0.22	<0.71	<0.79	<0.61	**0.40 J**	<0.42	<0.21	<0.26	<0.78	<0.28	<2.1	<0.61	<0.24	<0.19	<0.8	<0.63	<0.72
	09/14/20	<0.33	<0.47	**2.13**	<0.37	**9.6**	<0.33	<0.28	<0.32	<1.1	**0.68 J**	<0.5	<0.34	<0.32	<0.32	<0.47	<1.1	<0.33	<0.47	<0.26	<0.3	<0.32	<1.48
	12/08/20	<0.33	<0.47	**1.7**	<0.37	**4.9**	<0.33	<0.28	<0.32	<1.1	**0.43 J**	<0.5	<0.34	<0.32	<0.32	<0.47	<1.1	<0.33	<0.47	<0.26	<0.3	<0.32	<1.48
	03/23/21	<0.54	<0.47	**1.26 J**	<0.6	**4.0**	<0.38	<0.46	<0.31	<0.78	<0.44	<0.55	<0.47	<0.37	<0.3	<0.46	<1.4	<0.44	<0.43	<0.42	<0.35	<0.38	<1.21
	06/30/21	<0.54	<0.47	**1.48 J**	<0.6	**4.1**	<0.38	<0.46	<0.31	<0.78	**0.45 J**	<0.55	<0.47	<0.37	<0.3	<0.46	<1.4	<0.44	<0.43	<0.42	<0.35	<0.38	<1.21
	06/27/22	<0.47	<0.38	**2.2**	<0.5	**3.5**	<0.3	<0.71	<0.33	<0.62	**0.52 J**	<0.43	<0.48	<0.33	<0.34	<0.47	<1.4	<0.39	<0.47	<0.33	<0.35	<0.41	<1.01
MW-11	09/23/14	<0.33	<0.33	**157**	**5.3**	**11.9**	<0.24	<0.35	<0.33	<0.63	<0.41	<0.4	**0.24 J**	<0.55	<0.3	<0.23	<1.7	<0.25	<0.31	<0.69	<2.2	<1.4	<1.32
	11/14/14	<0.33	<0.33	**151**	**5.1**	**11**	<0.24	<0.35	<0.33	<0.63	<0.41	<0.4	**0.27 J**	<0.55	<0.3	<0.23	<1.7	<0.25	<0.31	<0.69	<2.2	<1.4	<1.32
	03/18/15	<0.74	<0.47	**109**	**3.7**	**7.1**	<0.44	<1	<1.2	<0.43	<0.54	<0.65	<0.44	<0.71	<0.82	<1.1	<1.6	<0.77	<1.1	<0.44	<1.6	<1.5	<3.1
	06/23/15	<0.74	<0.47	**139**	**5.8**	**6.2**	<0.44	<1	<1.2	<0.43	<0.54	<0.65	<0.44	<0.71	<0.82	<1.1	<1.6	<0.77	<1.1	<0.44	<1.6	<1.5	<3.1
	09/18/15	<0.49	<0.47	**94**	**2.96**	**2.45**	<0.44	<1	<1.2	<0.65	<0.48	<0.65	<0.44	<0.71	<0.82	<1.1	<1.6	<0.77	<1.1	<0.44	<1.6	<1.5	<3.1
	12/01/15	<0.49	<0.47	**163**	**4.6**	**3.6**	<0.44	<1	<1.2	<0.65	<0.48	<0.65	<0.44	<0.71	<0.82	<1.1	<1.6	<0.77	<1.1	<0.44	<1.6	<1.5	<3.1
	03/10/16	<0.49	<0.47	**55**	**1.67 J**	**2.0**	<0.44	<1	<1.2	<0.65	<0.48	<0.65	<0.44	<0.71	<0.82	<1.1	<1.6	<0.77	<1.1	<0.44	<1.6	<1.5	<3.1
	06/06/16	<0.49	<0.47	**121**	**2.91**	**4.3**	<0.44	<1	<1.2	<0.65	<0.48	<0.65	<0.44	<0.71	<0.82	<1.1	<1.6	<0.77	<1.1	<0.44	<1.6	<1.5	<3.1
	09/29/16	<0.49	<0.47	**178**	**5.5**	**1.93**	<0.44	<1	<1.2	<0.65	<0.48	<0.65	<0.44	<0.71	<0.82	<1.1	<1.6	<0.77	<1.1	<0.44	<1.6	<1.5	<3.1
	09/29/16	<0.38	<0.3	**93**	**2.47**	**2.27**	<0.22	<0.71	<0.79	<0.61	**0.61 J**	<0.42	<0.21	<0.26	<0.78	<0.28	<2.1	<0.61	<0.24	<0.19	<0.8	<0.63	<0.72
	02/22/19	<0.38	<0.3	**183**	**4.0**	**3.5**	<0.22	<0.71	<0.79	<0.61	**0.42 J**	<0.42	<0.21	<0.26	<0.78	<0.28	<2.1	<0.61	<0.24	<0.19	<0.8	<0.63	<0.72
	09/14/20	<0.33	<0.47	**247**	**8.4**	**19.8**	<0.33	<0.28	<0.32	<1.1	**0.63 J**	<0.5	<0.34	<0.32	<0.32	<0.47	<1.1	<0.33	<0.47	<0.26	<0.3	<0.32	<1.48
	12/07/20	<0.66	<0.94	**139**	**7.2**	**0.82 J**	<0.66	<0.56	<0.64	<2.2	<0.78	<1	<0.68	<0.64	<0.64	<0.94	<2.2	<0.66	<0.94	<0.52	<0.6	<0.64	<2.96
	12/7/20 (DUP-1)	<0.66	<0.94	**152**	**8.9**	**1.3**	<0.66	<0.56	<0.64	<2.2	<0.78	<1	<0.68	<0.64	<0.64	<0.94	<2.2	<0.66	<0.94	<0.52	<0.6	<0.64	<2.96
	03/23/21	<0.54	<0.47	**121**	**6.5**	**5.9**	<0.38	<0.46	<0.31	<0.78	<0.44	<0.55	<0.47	<0.37	<0.3	<0.46	<1.4	<0.44	<0.43	<0.42	<0.35	<0.38	<1.21
	06/30/21	<1.08	<0.94	**202**	**6.9**	**11.3**	<0.76	<0.92	<0.62	<1.56	<0.88	<1.1	<0.94	<0.74	<0.6	<0.92	<2.8	<0.88	<0.86	<0.84	<0.7	<0.76	<2.42
	06/27/22	<4.7	<3.8	**228**	**5.2 J**	**17.1**	<3	<7.1	<3.3	<6.2	<4.3	<4.3	<4.8	<3.3	<3.4	<4.7	<14	<3.9	<4.7	<3.3	<3.5	4.1	<10.1

TABLE 3

SUMMARY OF MONITORING WELL SAMPLE ANALYTICAL RESULTS

Martino's Master Drycleaners

7513 41st Avenue, Kenosha, Wisconsin

Monitoring Well Identification	Sample Date	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride	Benzene	n-Butylbenzene	sec-Butylbenzene	Chloroethane	1,2-Dichloroethane	1,1-Dichloroethene	Di-isopropyl ether	Ethylbenzene	Isopropylbenzene	MTBE	Naphthalene	n-Propylbenzene	p-Isopropyltoluene	Toluene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Xylenes (total)
Public Health Enforcement Standard		**5**	**5**	**70**	**100**	**0.2**	**5**	**NE**	**NE**	**400**	**5**	**7**	**NE**	**700**	**NE**	**60**	**100**	**NE**	**NE**	**1,000**	**480**	**480**	**10,000**
Public Health Preventive Action Limit		**0.5**	**0.5**	**7**	**20**	**0.02**	**0.5**	**NE**	**NE**	**80**	**0.5**	**0.7**	**NE**	**140**	**NE**	**12**	**10**	**NE**	**NE**	**200**	**96**	**96**	**1,000**
MW-12	09/22/14	<3.3	<3.3	**251**	**9.8 J**	<1.8	<2.4	<3.5	<3.3	<6.3	<4.1	<4.0	<2.3	<5.5	<3	<0.23	<17	<2.5	<3.1	<6.9	<22	<14	<13.2
	11/13/14	<1.65	<1.65	**304**	**14.6**	<0.9	<1.2	<1.75	<1.65	<3.15	<2.05	<2	<1.15	<2.75	<1.5	<1.15	<8.5	<1.25	<1.55	<3.45	<11	<7	<7.51
	03/18/15	<0.74	<0.47	**281**	**13.2**	<0.17	<0.44	<1	<1.2	<0.43	<0.54	<0.65	<0.44	<0.71	<0.82	<1.1	<1.6	<0.77	<1.1	<0.44	<1.6	<1.5	<3.1
	06/22/15	<7.4	<4.7	**287**	**17.7**	**2.8 J**	<4.4	<10	<12	<4.3	<5.4	<6.5	<4.4	<7.1	<8.2	<11	<16	<7.7	<11	<4.4	<16	<15	<31
	09/18/15	<0.49	<0.47	**90**	**4.2 J**	**1.6 J**	<0.44	<1	<1.2	<0.65	<0.48	<0.65	<0.44	<0.71	<0.82	<1.1	<1.6	<0.77	<1.1	<0.44	<1.6	<1.5	<3.1
	11/30/15	<2.45	<2.35	**230**	**13.7**	**26.9**	<2.2	<5	<6	<3.25	<2.4	<3.25	<2.2	<3.55	<4.1	<5.5	<8	<3.85	<5.5	<2.2	<8	<7.5	<15.5
	03/11/16	<2.45	<2.35	**420**	**25.1**	**49**	<2.2	<5	<6	<3.25	<2.4	<3.25	<2.2	<3.55	<4.1	<5.5	<8	<3.85	<5.5	<2.2	<8	<7.5	<15.5
	06/06/16	<2.45	<2.35	**184**	**10.9**	**62**	<2.2	<5	<6	<3.25	<2.4	<3.25	<2.2	<3.55	<4.1	<5.5	<8	<3.85	<5.5	<2.2	<8	<7.5	<15.5
	09/29/16	<2.45	<2.35	**136**	**9.2**	**105**	<2.2	<5	<6	<3.25	<2.4	<3.25	<2.2	<3.55	<4.1	<5.5	<8	<3.85	<5.5	<2.2	<8	<7.5	<15.5
	07/25/18	<0.38	<0.3	**62**	**2.33**	**77**	<0.22	<0.71	<0.79	<0.61	<0.25	<0.42	**0.23 J**	<0.26	<0.78	<0.28	<2.1	<0.61	<0.24	<0.19	<0.8	<0.63	<0.72
	02/22/19	<0.38	<0.3	**101**	**4.2**	**51**	<0.22	<0.71	<0.79	<0.61	<0.25	<0.42	<0.21	<0.26	<0.78	<0.28	<2.1	<0.61	<0.24	<0.19	<0.8	<0.63	<0.72
	09/14/20	<0.33	<0.47	**89**	**4**	**111**	<0.33	<0.28	<0.32	<1.1	<0.39	<0.5	<0.34	<0.32	<0.32	<0.47	<1.1	<0.33	<0.47	<0.26	<0.3	<0.32	<1.48
	12/07/20	<0.33	<0.47	**55**	**1.4**	**97**	<0.33	<0.28	<0.32	<1.1	<0.39	<0.5	<0.34	<0.32	<0.32	<0.47	<1.1	<0.33	<0.47	<0.26	<0.3	<0.32	<1.48
	03/23/21	<0.54	<0.47	**64**	**1.88 J**	**92**	<0.38	<0.46	<0.31	<0.78	<0.44	<0.55	<0.47	<0.37	<0.3	<0.46	<1.4	<0.44	<0.43	<0.42	<0.35	<0.38	<1.21
	06/30/21	<1.08	<0.94	**19.2**	<1.2	**105**	<0.76	<0.92	<0.62	<1.56	<0.88	<1.1	<0.94	<0.74	<0.6	<0.92	<2.8	<0.88	<0.86	<0.84	<0.7	<0.76	<2.42
	06/27/22	<0.47	<0.38	**16.4**	0.53 J	**91**	<0.3	<0.71	<0.33	<0.62	<0.43	<0.43	<0.48	<0.33	<0.34	<0.47	<1.4	<0.39	<0.47	<0.33	<0.35	<0.41	<1.01
	08/01/23	<1.3	<1.4	**82**	**3.6**	**20**	<1.5	NA	<1.0	<2.3	<1.4	<1.4	NA	<1.1	<1.2	<1.5	<2.6	<1.6	<0.88	<1.5	<1.5	<2.2	<4.4
MW-13	09/23/14	<0.33	<0.33	<0.38	<0.35	<0.18	<0.24	<0.35	<0.33	<0.63	<0.41	<0.4	<2.3	<0.55	<0.3	<0.23	<1.7	<0.25	<0.31	<0.69	<2.2	<1.4	<1.32
	11/13/14	<0.33	<0.33	<0.38	<0.35	<0.18	<0.24	<0.35	<0.33	<0.63	<0.41	<0.4	<2.3	<0.55	<0.3	<0.23	<1.7	<0.25	<0.31	<0.69	<2.2	<1.4	<1.32
	03/19/15	<0.74	<0.47	<0.45	<0.54	<0.17	<0.44	<1	<1.2	<0.43	<0.54	<0.65	<0.44	<0.71	<0.82	<1.1	<1.6	<0.77	<1.1	<0.44	<1.6	<1.5	<3.1
	06/22/15	<0.74	<0.47	<0.45	<0.54	<0.17	<0.44	<1	<1.2	<0.43	<0.54	<0.65	<0.44	<0.71	<0.82	<1.1	<1.6	<0.77	<1.1	<0.44	<1.6	<1.5	<3.1
	09/18/15	<0.49	<0.47	<0.45	<0.54	<0.17	<0.44	<1	<1.2	<0.65	<0.48	<0.65	<0.44	<0.71	<0.82	<1.1	<1.6	<0.77	<1.1	<0.44	<1.6	<1.5	<3.1
	11/30/15	<0.49	<0.47	<0.45	<0.54	<0.17	<0.44	<1	<1.2	<0.65	<0.48	<0.65	<0.44	<0.71	<0.82	<1.1	<1.6	<0.77	<1.1	<0.44	<1.6	<1.5	<3.1
	03/11/16	<0.49	<0.47	<0.45	<0.54	<0.17	<0.44	<1	<1.2	<0.65	<0.48	<0.65	<0.44	<0.71	<0.82	<1.1	<1.6	<0.77	<1.1	<0.44	<1.6	<1.5	<3.1
	06/06/16	<0.49	<0.47	<0.45	<0.54	<0.17	<0.44	<1	<1.2	<0.65	<0.48	<0.65	<0.44	<0.71	<0.82	<1.1	<1.6	<0.77	<1.1	<0.44	<1.6	<1.5	<3.1
	07/25/18	<0.38	<0.3	<0.37	<0.34	<0.2	<0.22	<0.71	<0.79	<0.61	<0.25	<0.42	<0.21	<0.26	<0.78	<0.28	<2.1	<0.61	<0.24	<0.19	<0.8	<0.63	<0.72
	02/22/19	<0.38	<0.3	<0.37	<0.34	<0.2	<0.22	<0.71	<0.79	<0.61	<0.25	<0.42	<0.21	<0.26	<0.78	<0.28	<2.1	<0.61	<0.24	<0.19	<0.8	<0.63	<0.72
	08/03/23	<1.3	<1.4	<1.4	<1.6	<1.8	<1.5	NA	<1.0	<2.3	<1.4	<1.4	NA	<1.1	<1.2	<1.5	<2.6	<1.6	<0.88	<1.5	<1.5	<2.2	<4.4

TABLE 3

SUMMARY OF MONITORING WELL SAMPLE ANALYTICAL RESULTS

Martino's Master Drycleaners

7513 41st Avenue, Kenosha, Wisconsin

Monitoring Well Identification	Sample Date	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride	Benzene	n-Butylbenzene	sec-Butylbenzene	Chloroethane	1,2-Dichloroethane	1,1-Dichloroethene	Di-isopropyl ether	Ethylbenzene	Isopropylbenzene	MTBE	Naphthalene	n-Propylbenzene	p-Isopropyltoluene	Toluene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Xylenes (total)
Public Health Enforcement Standard		**5**	**5**	**70**	**100**	**0.2**	**5**	**NE**	**NE**	**400**	**5**	**7**	**NE**	**700**	**NE**	**60**	**100**	**NE**	**NE**	**1,000**	**480**	**480**	**10,000**
Public Health Preventive Action Limit		**0.5**	**0.5**	**7**	**20**	**0.02**	**0.5**	**NE**	**NE**	**80**	**0.5**	**0.7**	**NE**	**140**	**NE**	**12**	**10**	**NE**	**NE**	**200**	**96**	**96**	**1,000**
MW-14	09/22/14	<0.33	<0.33	<0.38	<0.35	<0.18	<0.24	<0.5	<0.33	<0.63	<0.41	<0.4	<2.3	<0.55	<0.3	**0.92**	<1.7	<0.25	<0.31	<0.69	<2.2	<1.4	<1.32
	11/12/14	<0.33	<0.33	<0.38	<0.35	<0.18	<0.24	<0.35	<0.33	<0.63	<0.41	<0.4	<2.3	<0.55	<0.3	**0.88**	<1.7	<0.25	<0.31	<0.69	<2.2	<1.4	<1.32
	03/18/15	<0.74	<0.47	<0.45	<0.54	<0.17	<0.44	<1	<1.2	<0.43	<0.54	<0.65	<0.44	<0.71	<0.82	<1.1	<1.6	<0.77	<1.1	<0.44	<1.6	<1.5	<3.1
	06/22/15	<0.74	<0.47	<0.45	<0.54	<0.17	<0.44	<1	<1.2	<0.43	<0.54	<0.65	<0.44	<0.71	<0.82	<1.1	<1.6	<0.77	<1.1	<0.44	<1.6	<1.5	<3.1
	09/18/15	<0.49	<0.47	<0.45	<0.54	<0.17	<0.44	<1	<1.2	<0.65	<0.48	<0.65	<0.44	<0.71	<0.82	<1.1	<1.6	<0.77	<1.1	<0.44	<1.6	<1.5	<3.1
	11/30/15	<0.49	<0.47	<0.45	<0.54	<0.17	<0.44	<1	<1.2	<0.65	<0.48	<0.65	<0.44	<0.71	<0.82	<1.1	<1.6	<0.77	<1.1	<0.44	<1.6	<1.5	<3.1
	03/11/16	<0.49	<0.47	<0.45	<0.54	<0.17	<0.44	<1	<1.2	<0.65	<0.48	<0.65	<0.44	<0.71	<0.82	<1.1	<1.6	<0.77	<1.1	<0.44	<1.6	<1.5	<3.1
	06/06/16	<0.49	<0.47	<0.45	<0.54	<0.17	<0.44	<1	<1.2	<0.65	<0.48	<0.65	<0.44	<0.71	<0.82	<1.1	<1.6	<0.77	<1.1	<0.44	<1.6	<1.5	<3.1
	02/22/19	<0.38	<0.3	<0.37	<0.34	<0.2	<0.22	<0.71	<0.79	<0.61	<0.25	<0.42	<0.21	<0.26	<0.78	0.56 J	<2.1	<0.61	<0.24	<0.19	<0.8	<0.63	<0.72
MW-15	09/15/20	<0.33	<0.47	<0.39	<0.37	<0.2	<0.33	<0.28	<0.32	<1.1	<0.39	<0.5	<0.34	<0.32	<0.32	<0.47	<1.1	<0.33	<0.47	<0.26	<0.3	<0.32	<1.48
	12/07/20	<0.33	<0.47	<0.39	<0.37	<0.2	<0.33	<0.28	<0.32	<1.1	<0.39	<0.5	<0.34	<0.32	<0.32	<0.47	<1.1	<0.33	<0.47	<0.26	<0.3	<0.32	<1.48
	03/22/21	<0.54	<0.47	<0.39	<0.6	<0.17	<0.38	<0.46	<0.31	<0.4	<0.44	<0.55	<0.47	<0.37	<0.3	<0.46	<1.4	<0.44	<0.43	<0.42	<0.35	<0.38	<1.21
MW-16	09/15/20	<0.33	<0.47	<0.39	<0.37	<0.2	<0.33	<0.28	<0.32	<1.1	<0.39	<0.5	<0.34	<0.32	<0.32	<0.47	<1.1	<0.33	<0.47	<0.26	<0.3	<0.32	<1.48
	9/15/20 (DUP-2)	<0.33	<0.47	<0.39	<0.37	<0.2	<0.33	<0.28	<0.32	<1.1	<0.39	<0.5	<0.34	<0.32	<0.32	<0.47	<1.1	<0.33	<0.47	<0.26	<0.3	<0.32	<1.48
	12/07/20	<0.33	<0.47	<0.39	<0.37	<0.2	<0.33	<0.28	<0.32	<1.1	<0.39	<0.5	<0.34	<0.32	<0.32	<0.47	<1.1	<0.33	<0.47	<0.26	<0.3	<0.32	<1.48
	03/22/21	<0.54	<0.47	<0.39	<0.6	<0.17	<0.38	<0.46	<0.31	<0.78	<0.44	<0.55	<0.47	<0.37	<0.3	<0.46	<1.4	<0.44	<0.43	<0.42	<0.38	<0.38	<1.21
	3/22/21 (DUP-1)	<0.54	<0.47	<0.39	<0.6	<0.17	<0.38	<0.46	<0.31	<0.78	<0.44	<0.55	<0.47	<0.37	<0.3	<0.46	<1.4	<0.44	<0.43	<0.42	<0.35	<0.38	<1.21
	08/01/23	<1.3	<1.4	<1.4	<1.6	<1.8	<1.5	NA	<1.0	<2.3	<1.4	<1.4	NA	<1.1	<1.2	<1.5	<2.6	<1.6	<0.88	<1.5	<1.5	<2.2	<4.4
MW-17	09/15/20	<0.33	<0.47	<0.39	<0.37	<0.2	<0.33	<0.28	<0.32	<1.1	<0.39	<0.5	<0.34	<0.32	<0.32	<0.47	<1.1	<0.33	<0.47	<0.26	<0.3	<0.32	<1.48
	12/08/20	<0.33	<0.47	<0.39	<0.37	<0.2	<0.33	<0.28	<0.32	<1.1	<0.39	<0.5	<0.34	<0.32	<0.32	<0.47	<1.1	<0.33	<0.47	<0.26	<0.3	<0.32	<1.48
	03/22/21	<0.54	<0.47	<0.39	<0.6	<0.17	<0.38	<0.46	<0.31	<0.84	<0.44	<0.55	<0.47	<0.37	<0.3	<0.46	<1.4	<0.44	<0.43	<0.42	<0.35	<0.38	<1.21
MW-18	09/15/20	<0.33	<0.47	<0.39	<0.37	<0.2	<0.33	<0.28	<0.32	<1.1	<0.39	<0.5	<0.34	<0.32	<0.32	<0.47	<1.1	<0.33	<0.47	<0.26	<0.3	<0.32	<1.48
	12/07/20	<0.33	<0.47	<0.39	<0.37	<0.2	<0.33	<0.28	<0.32	<1.1	<0.39	<0.5	<0.34	<0.32	<0.32	<0.47	<1.1	<0.33	<0.47	<0.26	<0.3	<0.32	<1.48
	03/23/21	<0.54	<0.47	<0.39	<0.6	<0.17	<0.38	<0.46	<0.31	<0.84	<0.44	<0.55	<0.47	<0.37	<0.3	<0.46	<1.4	<0.44	<0.43	<0.42	<0.35	<0.38	<1.21
	08/02/23	<1.3	<1.4	<1.4	<1.6	<1.8	<1.5	NA	<1.0	<2.3	<1.4	<1.4	NA	<1.1	<1.2	<1.5	<2.6	<1.6	<0.88	<1.5	<1.5	<2.2	<4.4

Notes:

All concentrations reported in units of micrograms per liter (µg/l)

Only detected compounds are listed

Samples analyzed according to US EPA Method 8260

*Low levels of non-targer compounds 2-butanone, carbon disulfide, cyclohexane and Methylcyclohexane detected in sample.

Bolded values are above detection limits

Bolded and Orange Shaded values indicates an exceedance of the Public Health Enforcement Standard

Bolded and Blue Shaded values indicates an exceedance the Public Health Preventive Action Limit

J = Analyte concentration detected between the laboratory Reporting Limit and the laboratory Method Detection Limit

NE = Not Established

NA = Not Analyzed

ATTACHMENT A

FIELD SAMPLING FORMS

N16 W23390 Stone Ridge Drive, Suite G, Waukesha, WI 53188 | P: 262-290-4001 | enviroforensics.com

ENVIRO forensics

825 N. Capitol Avenue
Indianapolis, IN 46204
T: 317-972-7870 F: 317-972-7875

PROJECT NAME: Martinac 41st
LOCATION/ADDRESS: 7513 41st St Kenosha, WI
PROJECT NO: 6165
CLIENT/CONTACT:

Well ID: MW-1
Sample ID: 6165-MW-1
Screened Interval: 7.1-17.1
Sampler (print): L. Moran

Pump Placement:
- If water level is above top of well screen, place pump in middle of well screen.
-If water level is below top of well screen, place pump in middle of water column.

WATER LEVEL MEASUREMENTS DURING GAUGING:

Well Depth: 16.50 feet
Depth to Water: 11.43 feet
Well Diameter: 2 inches
Casing Volume: 0.83 gallons
Volume Removed: 0.79 gallons
No. of Casing Volumes Removed: 0.95
Gauging Date: 8/1/23

Conversion Factor for Well Volume	
0.01025	0.75" Well
0.041	1" Well
0.163	2" Well
0.653	4" Well
0.000264	mL to Gallon

SAMPLING METHOD:

Low-Flow: K
Grab/No-purge:
Bailer[1]:
Peristaltic pump:
Submersible Pump: K
Passive Diffusion Bag[2]:
Other:
Pump Depth (ft below TOC) (if applicable): 13.97

Stability Readings: Collect readings every 3 to 5 minutes for a minimum of 20 minutes and no less than 5 readings. If not equilibrated after 40 minutes, call PM.

	MUST BE STABLE			AT LEAST ONE MUST BE STABLE					
Time	Temperature (Celsius) +/- 3%	pH (S.U.) +/- 0.1	Specific Conductance (mS/cm) +/- 3%	Oxidation-Reduction Potential (mV) +/- 10mV	Turbidity (NTU) <100 and +/- 10%	Dissolved Oxgen (mg/L) +/- 10%	Sampling DTW (ft) <0.3ft	Flow Rate (ml/min) <250	mL Removed
0832	22.72	7.16	4.83	-1	134	5.39	11.52	100	-
0837	23.50	7.31	5.19	-14	68.1	4.34	11.52	100	500
0842	24.09	7.75	5.29	-24	51.1	3.17	11.52	100	1000
0847	24.78	7.79	5.32	-29	40.1	2.09	11.52	100	1500
0852	24.90	7.62	5.39	-33	32.3	1.51	11.52	100	2000
0857	25.10	7.55	5.46	-36	29.4	1.29	11.52	100	2500
0902	25.15	7.57	5.39	-38	26.5	1.07	11.52	100	3000

PURGE[1]: START Date 8/3/23 Time 0832
SAMPLING: FINISH Date 8/3/23 Time 0907

Sample Analysis	Volume	Type	Preservative	Number of Containers	Reaction (y/n)	Filter Type	Duplicate	MS/MSD
8260 VOC	40mL	VOA	HCL	3	n	-	-	-

NOTES:

Sampler Signature: Luke Moran

1. Monitoring wells sampled with a bailer require at least 3 to 5 well volumes to be purged prior to sampling unless the well bails dry prior to the removal of three (3) well volumes. Wells bailed dry should be sampled upon sufficient recovery of water in the well. Record the time of purging and the time of sampling on the Groundwater Sampling Form.

2. Include Date PDB Installed in well, and Date PDB removed and sampled in NOTES section.

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PROJECT NAME Martino's 41st
LOCATION/ADDRESS 7513 41st St Kenosha, WI
PROJECT NO 61165
CLIENT/CONTACT

Well ID MW-2
Sample ID 61165-MW-2
Screened Interval 7.3-17.3
Sampler (print) L. Moran

Pump Placement:
- If water level is above top of well screen, place pump in middle of well screen.
-If water level is below top of well screen, place pump in middle of water column.

WATER LEVEL MEASUREMENTS DURING GAUGING:

Well Depth 16.53 feet
Depth to Water 11.03 feet
Well Diameter 2 inches
Casing Volume 0.90 gallons
Volume Removed 1.06 gallons
No. of Casing Volumes Removed 1.18
Gauging Date 8/1/23

Conversion Factor for Well Volume	
0.01025	0.75" Well
0.041	1" Well
0.163	2" Well
0.653	4" Well
0.000264	mL to Gallon

SAMPLING METHOD:

Low-Flow X
Grab/No-purge
Bailer[1]
Peristaltic pump
Submersible Pump X
Passive Diffusion Bag[2]
Other
Pump Depth (ft below TOC) (if applicable) 13.78

Stability Readings: Collect readings every 3 to 5 minutes for a minimum of 20 minutes and no less than 5 readings. If not equilibrated after 40 minutes, call PM.

	MUST BE STABLE			AT LEAST ONE MUST BE STABLE					
Time	Temperature (Celsius) +/- 3%	pH (S.U.) +/- 0.1	Specific Conductance (mS/cm) +/- 3%	Oxidation-Reduction Potential (mV) +/- 10mV	Turbidity (NTU) <100 and +/- 10%	Dissolved Oxgen (mg/L) +/- 10%	Sampling DTW (ft) <0.3ft	Flow Rate (ml/min) <250	mL Removed
1100	22.84	7.77	1.19	100	24.1	1.32	11.13	100	-
1105	21.21	7.29	2.12	-1	1.7	5.12	11.13	100	500
1110	20.69	7.25	2.61	-26	0.0	0.67	11.13	100	1000
1115	20.73	7.21	2.87	-35	0.0	0.24	11.13	100	1500
1120	20.73	7.19	3.00	-38	0.0	0.30	11.13	100	2000
1125	69.83	7.17	3.09	-43	0.0	0.10	11.13	100	2500
1130	20.14	7.15	3.22	-49	0.0	0.18	11.13	100	3000
1135	20.27	7.14	3.19	-55	0.0	0.05	11.13	100	3500
1140	20.18	7.13	3.22	-58	0.0	0.00	11.13	100	4000

PURGE[1]: START Date 8/2/23 Time 1100
SAMPLING: FINISH Date 8/2/23 Time 1145

Sample Analysis	Volume	Type	Preservative	Number of Containers	Reaction (y/n)	Filter Type	Duplicate	MS/MSD
8260 VOC	40mL	VOA	HCl	3	N	-	-	-

NOTES:

Sampler Signature: Luke Moran

1. Monitoring wells sampled with a bailer require at least 3 to 5 well volumes to be purged prior to sampling unless the well bails dry prior to the removal of three (3) well volumes. Wells bailed dry should be sampled upon sufficient recovery of water in the well. Record the time of purging and the time of sampling on the Groundwater Sampling Form.

2. Include Date PDB Installed in well, and Date PDB removed and sampled in NOTES section.

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PROJECT NAME Martino's 41st
LOCATION/ADDRESS 7513 41st St Kenosha, WI
PROJECT NO 6165
CLIENT/CONTACT

Well ID MW-3S
Sample ID 6165-MW-3S
Screened Interval 6.2-16.2
Sampler (print) L. Moran

Pump Placement:
- If water level is above top of well screen, place pump in middle of well screen.
-If water level is below top of well screen, place pump in middle of water column.

WATER LEVEL MEASUREMENTS DURING GAUGING:

Well Depth 15.63 feet
Depth to Water 11.51 feet
Well Diameter 2 inches
Casing Volume 0.67 gallons
Volume Removed 2.01 gallons
No. of Casing Volumes Removed 3
Gauging Date 8/1/23

Conversion Factor for Well Volume	
0.01025	0.75" Well
0.041	1" Well
0.163	2" Well
0.653	4" Well
0.000264	mL to Gallon

SAMPLING METHOD:

Low-Flow
Grab/No-purge
Bailer[1] X
Peristaltic pump
Submersible Pump
Passive Diffusion Bag[2]
Other
Pump Depth (ft below TOC) (if applicable)

Stability Readings: Collect readings every 3 to 5 minutes for a minimum of 20 minutes and no less than 5 readings. If not equilibrated after 40 minutes, call PM.

	MUST BE STABLE			AT LEAST ONE MUST BE STABLE					
Time	Temperature (Celsius) +/- 3%	pH (S.U.) +/- 0.1	Specific Conductance (mS/cm) +/- 3%	Oxidation-Reduction Potential (mV) +/- 10mV	Turbidity (NTU) <100 and +/- 10%	Dissolved Oxgen (mg/L) +/- 10%	Sampling DTW (ft) <0.3ft	Flow Rate (ml/min) <250	mL Removed

PURGE[1]: START Date 8/1/23 Time 1225
SAMPLING: FINISH Date 8/1/23 Time 1240

Sample Analysis	Volume	Type	Preservative	Number of Containers	Reaction (y/n)	Filter Type	Duplicate	MS/MSD
8260 VOC	40mL	VOA	HCl	3	N	-	✓	-
PFAS	250mL	Plastic	-	2	N	-	✓	-

NOTES:

Sampler Signature: Luke Moran

1. Monitoring wells sampled with a bailer require at least 3 to 5 well volumes to be purged prior to sampling unless the well bails dry prior to the removal of three (3) well volumes. Wells bailed dry should be sampled upon sufficient recovery of water in the well. Record the time of purging and the time of sampling on the Groundwater Sampling Form.

2. Include Date PDB Installed in well, and Date PDB removed and sampled in NOTES section.

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PROJECT NAME: Martino's 41st
LOCATION/ADDRESS: 7513 41st St Kenosha, WI
PROJECT NO: 6165
CLIENT/CONTACT:

Well ID: MW-4
Sample ID: 6165-MW-4
Screened Interval: 7.7-17.7
Sampler (print): L. Moran

Pump Placement:
- If water level is above top of well screen, place pump in middle of well screen.
-If water level is below top of well screen, place pump in middle of water column.

WATER LEVEL MEASUREMENTS DURING GAUGING:

Well Depth: 17.48 feet
Depth to Water: 11.11 feet
Well Diameter: 2 inches
Casing Volume: 1.04 gallons
Volume Removed: 1.19 gallons
No. of Casing Volumes Removed: 1.14
Gauging Date: 8/2/23

Conversion Factor for Well Volume	
0.01025	0.75" Well
0.041	1" Well
0.163	2" Well
0.653	4" Well
0.000264	mL to Gallon

SAMPLING METHOD:

Low-Flow: X
Grab/No-purge:
Bailer[1]:
Peristaltic pump:
Submersible Pump: X
Passive Diffusion Bag[2]:
Other:
Pump Depth (ft below TOC) (if applicable): 14.30

Stability Readings: Collect readings every 3 to 5 minutes for a minimum of 20 minutes and no less than 5 readings. If not equilibrated after 40 minutes, call PM.

	MUST BE STABLE			AT LEAST ONE MUST BE STABLE					
Time	Temperature (Celsius) +/- 3%	pH (S.U.) +/- 0.1	Specific Conductance (mS/cm) +/- 3%	Oxidation-Reduction Potential (mV) +/- 10mV	Turbidity (NTU) <100 and +/- 10%	Dissolved Oxgen (mg/L) +/- 10%	Sampling DTW (ft) <0.3ft	Flow Rate (ml/min) <250	mL Removed
1422	26.95	7.40	2.04	23	16.1	0.62	11.29	100	-
1427	26.05	7.27	2.43	1	6.3	0.00	11.29	100	500
1432	24.35	7.30	2.67	-29	21.0	0.00	11.29	100	1000
1437	23.02	7.33	2.82	-48	37.7	0.00	11.29	100	1500
1442	22.52	7.35	2.90	-61	40.9	0.00	11.29	100	2000
1447	22.02	7.36	2.97	-69	36.5	0.00	11.29	100	2500
1452	21.47	7.37	3.02	-77	40.3	0.00	11.29	100	3000
1457	21.25	7.38	3.08	-79	37.7	0.00	11.29	100	3500
1502	21.04	7.38	3.13	-82	37.0	0.00	11.29	100	4000
1507	20.90	7.39	3.17	-82	36.1	0.00	11.29	100	4500

PURGE[1]: START Date 8/2/23 Time 1422
SAMPLING: FINISH Date 8/2/23 Time 1512

Sample Analysis	Volume	Type	Preservative	Number of Containers	Reaction (y/n)	Filter Type	Duplicate	MS/MSD
8260 VOC	40mL	VOA	HCl	3	n	-	-	-

NOTES:

Sampler Signature:

1. Monitoring wells sampled with a bailer require at least 3 to 5 well volumes to be purged prior to sampling unless the well bails dry prior to the removal of three (3) well volumes. Wells bailed dry should be sampled upon sufficient recovery of water in the well. Record the time of purging and the time of sampling on the Groundwater Sampling Form.

2. Include Date PDB Installed in well, and Date PDB removed and sampled in NOTES section.

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PROJECT NAME Martino's 41st
LOCATION/ADDRESS 7513 41st St Kenosha, WI
PROJECT NO 16165
CLIENT/CONTACT

Well ID MW-5
Sample ID 7.7-17.7
Screened Interval 6165-MW-5
Sampler (print) L. Moran

Pump Placement:
- If water level is above top of well screen, place pump in middle of well screen.
-If water level is below top of well screen, place pump in middle of water column.

WATER LEVEL MEASUREMENTS DURING GAUGING:

Well Depth 16.57 feet
Depth to Water 10.55 feet
Well Diameter 2 inches
Casing Volume 0.98 gallons
Volume Removed 1.19 gallons
No. of Casing Volumes Removed 1.21
Gauging Date 8/1/23

Conversion Factor for Well Volume	
0.01025	0.75" Well
0.041	1" Well
0.163	2" Well
0.653	4" Well
0.000264	mL to Gallon

SAMPLING METHOD:

Low-Flow K
Grab/No-purge
Bailer[1]
Peristaltic pump
Submersible Pump K
Passive Diffusion Bag[2]
Other
Pump Depth (ft below TOC) (if applicable) 13.56

Stability Readings: Collect readings every 3 to 5 minutes for a minimum of 20 minutes and no less than 5 readings. If not equilibrated after 40 minutes, call PM.

	MUST BE STABLE			AT LEAST ONE MUST BE STABLE					
Time	Temperature (Celsius) +/- 3%	pH (S.U.) +/- 0.1	Specific Conductance (mS/cm) +/- 3%	Oxidation-Reduction Potential (mV) +/- 10mV	Turbidity (NTU) <100 and +/- 10%	Dissolved Oxgen (mg/L) +/- 10%	Sampling DTW (ft) <0.3ft	Flow Rate (ml/min) <250	mL Removed
1454	26.34	6.29	6.43	69	71000	1.96	10.62	100	—
1459	24.34	7.11	6.57	-6	850	0.83	10.62	100	500
1504	24.22	7.28	6.71	-21	567	0.70	10.62	100	1000
1509	24.25	7.36	6.77	-32	388	0.60	10.62	100	1500
1514	24.70	7.38	6.57	-40	297	0.47	10.62	100	2000
1519	23.87	7.39	6.61	-45	220	0.38	10.62	100	2500
1524	23.39	7.41	6.52	-48	183	0.29	10.62	100	3000
1529	23.32	7.40	6.60	-51	170	0.26	10.62	100	3500
1534	23.25	7.40	6.55	-53	137	0.23	10.62	100	4000
1539	23.26	7.38	6.54	-55	98.6	0.19	10.62	100	4500

PURGE[1]: START Date 8/1/23 Time 1454
SAMPLING: FINISH Date 8/1/23 Time 1544

Sample Analysis	Volume	Type	Preservative	Number of Containers	Reaction (y/n)	Filter Type	Duplicate	MS/MSD
8260 VOC	40 mL	VOA	HCL	3	n	—	—	—

NOTES:

Sampler Signature: Luke Moran

1. Monitoring wells sampled with a bailer require at least 3 to 5 well volumes to be purged prior to sampling unless the well bails dry prior to the removal of three (3) well volumes. Wells bailed dry should be sampled upon sufficient recovery of water in the well. Record the time of purging and the time of sampling on the Groundwater Sampling Form.

2. Include Date PDB Installed in well, and Date PDB removed and sampled in NOTES section.

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PROJECT NAME Martino's 41st
LOCATION/ADDRESS 7513 41st St Kenosha, WI
PROJECT NO 61165
CLIENT/CONTACT

Well ID MW-6
Sample ID 61165-MW-6
Screened Interval 6.9-16.9
Sampler (print) L. Moran

Pump Placement:
- If water level is above top of well screen, place pump in middle of well screen.
-If water level is below top of well screen, place pump in middle of water column.

WATER LEVEL MEASUREMENTS DURING GAUGING:

Well Depth 16.64 feet
Depth to Water 11.52 feet
Well Diameter 2 inches
Casing Volume 0.21 gallons
Volume Removed 0.63 gallons
No. of Casing Volumes Removed 3
Gauging Date 8/1/23

Conversion Factor for Well Volume	
0.01025	0.75" Well
0.041	1" Well
0.163	2" Well
0.653	4" Well
0.000264	mL to Gallon

SAMPLING METHOD:

Low-Flow BLM
Grab/No-purge
Bailer[1] X
Peristaltic pump
Submersible Pump BLM
Passive Diffusion Bag[2]
Other
Pump Depth (ft below TOC) (if applicable) 14.08

Stability Readings: Collect readings every 3 to 5 minutes for a minimum of 20 minutes and no less than 5 readings. If not equilibrated after 40 minutes, call PM.

	MUST BE STABLE			AT LEAST ONE MUST BE STABLE					
Time	Temperature (Celsius) +/- 3%	pH (S.U.) +/- 0.1	Specific Conductance (mS/cm) +/- 3%	Oxidation-Reduction Potential (mV) +/- 10mV	Turbidity (NTU) <100 and +/- 10%	Dissolved Oxgen (mg/L) +/- 10%	Sampling DTW (ft) <0.3ft	Flow Rate (ml/min) <250	mL Removed
1103	22.82	7.75	5.10	58	71000	7.52	—	—	—
1105	20.38	8.04	5.26	-21	71000	8.43	—	—	—
1107	20.08	7.73	5.47	-32	71000	8.58	—	—	—
~~1132~~									

PURGE[1]: START Date 8/3/23 Time 1103
SAMPLING: FINISH Date 8/3/23 Time 1132

Sample Analysis	Volume	Type	Preservative	Number of Containers	Reaction (y/n)	Filter Type	Duplicate	MS/MSD
8260 VOC	40mL	VOA	HCL	3	N	—	—	—

NOTES: Let well rest after purge to reduce turbidity (15 min).

Sampler Signature: Luke Moran

1. Monitoring wells sampled with a bailer require at least 3 to 5 well volumes to be purged prior to sampling unless the well bails dry prior to the removal of three (3) well volumes. Wells bailed dry should be sampled upon sufficient recovery of water in the well. Record the time of purging and the time of sampling on the Groundwater Sampling Form.

2. Include Date PDB Installed in well, and Date PDB removed and sampled in NOTES section.

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PROJECT NAME Martino's 41st
LOCATION/ADDRESS 7513 41st St Kenosha, WI
PROJECT NO 6165
CLIENT/CONTACT

Well ID MW-7
Sample ID 6165-MW-7
Screened Interval 6.9-16.9
Sampler (print) L. Moran

Pump Placement:
- If water level is above top of well screen, place pump in middle of well screen.
-If water level is below top of well screen, place pump in middle of water column

WATER LEVEL MEASUREMENTS DURING GAUGING:

Well Depth 16.64 feet
Depth to Water 11.52 feet
Well Diameter 2 inches
Casing Volume 0.83 gallons
Volume Removed 0.53 gallons
No. of Casing Volumes Removed 0.64
Gauging Date 8/1/23

Conversion Factor for Well Volume	
0.01025	0.75" Well
0.041	1" Well
0.163	2" Well
0.653	4" Well
0.000264	mL to Gallon

SAMPLING METHOD:

Low-Flow X
Grab/No-purge
Bailer[1]
Peristaltic pump
Submersible Pump X
Passive Diffusion Bag[2]
Other
Pump Depth (ft below TOC) (if applicable) 14.08

Stability Readings: Collect readings every 3 to 5 minutes for a minimum of 20 minutes and no less than 5 readings. If not equilibrated after 40 minutes, call PM.

	MUST BE STABLE			AT LEAST ONE MUST BE STABLE					
Time	Temperature (Celsius) +/- 3%	pH (S.U.) +/- 0.1	Specific Conductance (mS/cm) +/- 3%	Oxidation-Reduction Potential (mV) +/- 10mV	Turbidity (NTU) <100 and +/- 10%	Dissolved Oxgen (mg/L) +/- 10%	Sampling DTW (ft) <0.3ft	Flow Rate (ml/min) <250	mL Removed
1334	24.14	7.40	2.97	-77	6.5	0.87	11.65	100	-
1339	23.08	7.32	3.42	-87	0.0	5.99	11.65	106	500
1344	22.51	7.29	3.54	-90	0.0	6.30	11.65	100	1000
1349	22.13	7.28	3.54	-92	0.0	0.21	11.65	100	1500
1354	22.01	7.27	3.63	-93	0.0	0.22	11.65	100	2000

PURGE[1]: START Date 8/2/23 Time 1334
SAMPLING: FINISH Date 8/2/23 Time 1359

Sample Analysis	Volume	Type	Preservative	Number of Containers	Reaction (y/n)	Filter Type	Duplicate	MS/MSD
8260 VOC	40mL	VOA	HCl	3	n	-	-	-

NOTES:

Sampler Signature

1. Monitoring wells sampled with a bailer require at least 3 to 5 well volumes to be purged prior to sampling unless the well bails dry prior to the removal of three (3) well volumes. Wells bailed dry should be sampled upon sufficient recovery of water in the well. Record the time of purging and the time of sampling on the Groundwater Sampling Form.

2. Include Date PDB Installed in well, and Date PDB removed and sampled in NOTES section.

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PROJECT NAME Martinos 41st

LOCATION/ADDRESS 7513 41st St Kenosha, WI

PROJECT NO 6165

CLIENT/CONTACT

Well ID MW-8

Sample ID 6165-MW-8

Screened Interval 8.1-18.1

Sampler (print) L. Moran

Pump Placement:
- If water level is above top of well screen, place pump in middle of well screen.
-If water level is below top of well screen, place pump in middle of water column.

WATER LEVEL MEASUREMENTS DURING GAUGING:

Well Depth 17.71 feet
Depth to Water 9.72 feet
Well Diameter 2 inches
Casing Volume 1.30 gallons
Volume Removed ~~1.30~~ 9.10 gallons
No. of Casing Volumes Removed 7.10
Gauging Date 8/1/23

Conversion Factor for Well Volume	
0.01025	0.75" Well
0.041	1" Well
0.163	2" Well
0.653	4" Well
0.000264	mL to Gallon

SAMPLING METHOD:

Low-Flow
Grab/No-purge
Bailer[1] X
Peristaltic pump
Submersible Pump
Passive Diffusion Bag[2]
Other
Pump Depth (ft below TOC) (if applicable)

Stability Readings: Collect readings every 3 to 5 minutes for a minimum of 20 minutes and no less than 5 readings. If not equilibrated after 40 minutes, call PM.

	MUST BE STABLE			AT LEAST ONE MUST BE STABLE					
Time	Temperature (Celsius) +/- 3%	pH (S.U.) +/- 0.1	Specific Conductance (mS/cm) +/- 3%	Oxidation-Reduction Potential (mV) +/- 10mV	Turbidity (NTU) <100 and +/- 10%	Dissolved Oxgen (mg/L) +/- 10%	Sampling DTW (ft) <0.3ft	Flow Rate (ml/min) <250	mL Removed

PURGE[1]: START Date 8/1/23 Time 1115

SAMPLING: FINISH Date 8/1/23 Time 1145

Sample Analysis	Volume	Type	Preservative	Number of Containers	Reaction (y/n)	Filter Type	Duplicate	MS/MSD
PFAS	250 mL	Plastic	-	2	n	-	-	-
8260 VOCs	40 mL	VOA	HCL	3	n	-	-	-

NOTES:

Sampler Signature: Luke Moran

1. Monitoring wells sampled with a bailer require at least 3 to 5 well volumes to be purged prior to sampling unless the well bails dry prior to the removal of three (3) well volumes. Wells bailed dry should be sampled upon sufficient recovery of water in the well. Record the time of purging and the time of sampling on the Groundwater Sampling Form.

2. Include Date PDB Installed in well, and Date PDB removed and sampled in NOTES section.

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PROJECT NAME Martinez 41st
LOCATION/ADDRESS 7513 41st St Menasha, WI
PROJECT NO 6165
CLIENT/CONTACT

Well ID MW-9
Sample ID 6165-MW-9
Screened Interval 9.6-19.6
Sampler (print) L. Mann

Pump Placement:
- If water level is above top of well screen, place pump in middle of well screen.
-If water level is below top of well screen, place pump in middle of water column.

WATER LEVEL MEASUREMENTS DURING GAUGING:

Well Depth 19.07 feet
Depth to Water 12.53 feet
Well Diameter 2 inches
Casing Volume 1.07 gallons
Volume Removed 0.53 gallons
No. of Casing Volumes Removed 0.50
Gauging Date 8/1/23

Conversion Factor for Well Volume	
0.01025	0.75" Well
0.041	1" Well
0.163	2" Well
0.653	4" Well
0.000264	mL to Gallon

SAMPLING METHOD:

Low-Flow K
Grab/No-purge
Bailer[1]
Peristaltic pump
Submersible Pump K
Passive Diffusion Bag[2]
Other
Pump Depth (ft below TOC) (if applicable) 15.80

Stability Readings: Collect readings every 3 to 5 minutes for a minimum of 20 minutes and no less than 5 readings. If not equilibrated after 40 minutes, call PM.

	MUST BE STABLE			AT LEAST ONE MUST BE STABLE					
Time	Temperature (Celsius) +/- 3%	pH (S.U.) +/- 0.1	Specific Conductance (mS/cm) +/- 3%	Oxidation-Reduction Potential (mV) +/- 10mV	Turbidity (NTU) <100 and +/- 10%	Dissolved Oxgen (mg/L) +/- 10%	Sampling DTW (ft) <0.3ft	Flow Rate (ml/min) <250	mL Removed
1000	22.10	7.35	6.87	-6	562	1.05	12.45	100	—
1005	22.34	7.30	7.00	-14	409	0.67	12.45	100	500
1010	22.47	7.25	6.95	-19	224	0.53	12.45	100	1000
1015	22.55	7.23	6.98	-24	153	0.45	12.45	100	1500
1020	22.74	7.22	7.02	-28	93.5	0.39	12.45	100	2000

PURGE[1]: START Date 8/2/23 Time 1000
SAMPLING: FINISH Date 8/2/23 Time 1020

Sample Analysis	Volume	Type	Preservative	Number of Containers	Reaction (y/n)	Filter Type	Duplicate	MS/MSD
8260 VOC	40mL	VOA	HCl	3	n	—	—	—

NOTES:

Sampler Signature: Luke Mann

1. Monitoring wells sampled with a bailer require at least 3 to 5 well volumes to be purged prior to sampling unless the well bails dry prior to the removal of three (3) well volumes. Wells bailed dry should be sampled upon sufficient recovery of water in the well. Record the time of purging and the time of sampling on the Groundwater Sampling Form.

2. Include Date PDB Installed in well, and Date PDB removed and sampled in NOTES section.

ENVIRO forensics

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PROJECT NAME Martino's 41st

LOCATION/ADDRESS 7513 41st St Kenosha, WI

PROJECT NO 6165

CLIENT/CONTACT

Well ID MW-12

Sample ID 6165-MW-12

Screened Interval 10.5-20.5

Sampler (print) L. Moran

Pump Placement
- If water level is above top of well screen, place pump in middle of well screen
-If water level is below top of well screen, place pump in middle of water column

WATER LEVEL MEASUREMENTS DURING GAUGING:

Well Depth 19.83 feet
Depth to Water 15.46 feet
Well Diameter 2 inches
Casing Volume 0.71 gallons
Volume Removed 2.13 gallons
No. of Casing Volumes Removed 3
Gauging Date 8/1/23

Conversion Factor for Well Volume	
0.01025	0.75" Well
0.041	1" Well
0.163	2" Well
0.653	4" Well
0.000264	mL to Gallon

SAMPLING METHOD:

Low-Flow
Grab/No-purge
Bailer[1] X
Peristaltic pump
Submersible Pump
Passive Diffusion Bag[2]
Other
Pump Depth (ft below TOC) (if applicable)

Stability Readings: Collect readings every 3 to 5 minutes for a minimum of 20 minutes and no less than 5 readings. If not equilibrated after 40 minutes, call PM.

	MUST BE STABLE			AT LEAST ONE MUST BE STABLE					
Time	Temperature (Celsius) +/- 3%	pH (S.U.) +/- 0.1	Specific Conductance (mS/cm) +/- 3%	Oxidation-Reduction Potential (mV) +/- 10mV	Turbidity (NTU) <100 and +/- 10%	Dissolved Oxgen (mg/L) +/- 10%	Sampling DTW (ft) <0.3ft	Flow Rate (ml/min) <250	mL Removed

PURGE[1]: START Date 8/1/23 Time 0445 1315

SAMPLING: FINISH Date 8/1/23 Time 1240 1330

Sample Analysis	Volume	Type	Preservative	Number of Containers	Reaction (y/n)	Filter Type	Duplicate	MS/MSD
8260 VOC	40mL	VOA	HCL	3	N	-	-	-
PFAS	250mL	Plastic	-	2	N	-	-	-

NOTES:

Sampler Signature

1. Monitoring wells sampled with a bailer require at least 3 to 5 well volumes to be purged prior to sampling unless the well bails dry prior to the removal of three (3) well volumes. Wells bailed dry should be sampled upon sufficient recovery of water in the well. Record the time of purging and the time of sampling on the Groundwater Sampling Form.

2. Include Date PDB Installed in well, and Date PDB removed and sampled in NOTES section.

ENVIRO forensics

825 N. Capitol Avenue
Indianapolis, IN 46204
T: 317-972-7870 F: 317-972-7875

PROJECT NAME: Martinos 41st
LOCATION/ADDRESS: 7513 41st St Kenosha, WI
PROJECT NO: 61665
CLIENT/CONTACT:

Well ID: MW-13
Sample ID: 61665-MW-13
Screened Interval: 10.7-20.6
Sampler (print): L. Moran

Pump Placement:
- If water level is above top of well screen, place pump in middle of well screen.
-If water level is below top of well screen, place pump in middle of water column.

WATER LEVEL MEASUREMENTS DURING GAUGING:

Well Depth: 20.24 feet
Depth to Water: 14.61 feet
Well Diameter: 2 inches
Casing Volume: 0.92 gallons
Volume Removed: 0.79 gallons
No. of Casing Volumes Removed: 0.86
Gauging Date: 8/1/23

Conversion Factor for Well Volume	
0.01025	0.75" Well
0.041	1" Well
0.163	2" Well
0.653	4" Well
0.000264	mL to Gallon

SAMPLING METHOD:

Low-Flow: L
Grab/No-purge:
Bailer[1]:
Peristaltic pump:
Submersible Pump: L
Passive Diffusion Bag[2]:
Other:
Pump Depth (ft below TOC) (if applicable): 17.43

Stability Readings: Collect readings every 3 to 5 minutes for a minimum of 20 minutes and no less than 5 readings. If not equilibrated after 40 minutes, call PM.

	MUST BE STABLE			AT LEAST ONE MUST BE STABLE					
Time	Temperature (Celsius) +/- 3%	pH (S.U.) +/- 0.1	Specific Conductance (mS/cm) +/- 3%	Oxidation-Reduction Potential (mV) +/- 10mV	Turbidity (NTU) <100 and +/- 10%	Dissolved Oxgen (mg/L) +/- 10%	Sampling DTW (ft) < 0.3ft	Flow Rate (ml/min) <250	mL Removed
0938	17.17	7.67	1.08	75	122	0.71	14.78	100	-
0943	15.96	7.80	1.12	42	33.2	0.10	14.78	100	500
0948	15.69	7.75	1.11	11	14.8	0.01	14.78	100	1000
0953	15.57	7.74	1.11	-2	12.3	0.00	14.78	100	1500
0958	15.43	7.71	1.11	-10	11.0	0.00	14.78	100	2000
1003	15.41	7.70	1.11	-15	7.8	0.00	14.78	100	2500
1008	15.44	7.68	1.11	-19	5.1	0.00	14.78	100	3000

PURGE[1]: START Date 8/3/23 Time 0938
SAMPLING: FINISH Date 8/3/23 Time 1013

Sample Analysis	Volume	Type	Preservative	Number of Containers	Reaction (y/n)	Filter Type	Duplicate	MS/MSD
8260 VOC	40 mL	VOA	HCl	3	N	-	-	-

NOTES:

Sampler Signature: Luke Moran

1. Monitoring wells sampled with a bailer require at least 3 to 5 well volumes to be purged prior to sampling unless the well bails dry prior to the removal of three (3) well volumes. Wells bailed dry should be sampled upon sufficient recovery of water in the well. Record the time of purging and the time of sampling on the Groundwater Sampling Form.

2. Include Date PDB Installed in well, and Date PDB removed and sampled in NOTES section.

ENVIRO forensics

825 N. Capitol Avenue
Indianapolis, IN 46204
T: 317-972-7870 F: 317-972-7875

PROJECT NAME Martinez 41st

LOCATION/ADDRESS 7513 41st St Kenosha, WI

PROJECT NO 6165

CLIENT/CONTACT

Well ID MW-16

Sample ID 6165-MW-16

Screened Interval 12.6-22.6

Sampler (print) L. Morgan

Pump Placement
- If water level is above top of well screen, place pump in middle of well screen
-If water level is below top of well screen, place pump in middle of water column

WATER LEVEL MEASUREMENTS DURING GAUGING:

Well Depth 26.55 feet
Depth to Water 15.99 feet
Well Diameter 2 inches
Casing Volume 0.87 gallons
Volume Removed 2.61 gallons
No. of Casing Volumes Removed 3
Gauging Date 8/1/23

Conversion Factor for Well Volume	
0.01025	0.75" Well
0.041	1" Well
0.163	2" Well
0.653	4" Well
0.000264	mL to Gallon

SAMPLING METHOD:

Low-Flow
Grab/No-purge
Bailer[1] X
Peristaltic pump
Submersible Pump
Passive Diffusion Bag[2]
Other
Pump Depth (ft below TOC) (if applicable)

Stability Readings: Collect readings every 3 to 5 minutes for a minimum of 20 minutes and no less than 5 readings. If not equilibrated after 40 minutes, call PM.

	MUST BE STABLE			AT LEAST ONE MUST BE STABLE					
Time	Temperature (Celsius) +/- 3%	pH (S.U.) +/- 0.1	Specific Conductance (mS/cm) +/- 3%	Oxidation-Reduction Potential (mV) +/- 10mV	Turbidity (NTU) <100 and +/- 10%	Dissolved Oxgen (mg/L) +/- 10%	Sampling DTW (ft) <0.3ft	Flow Rate (ml/min) <250	mL Removed

PURGE[1]: START Date 8/1/23 Time 1155

SAMPLING: FINISH Date 8/1/23 Time 1210

Sample Analysis	Volume	Type	Preservative	Number of Containers	Reaction (y/n)	Filter Type	Duplicate	MS/MSD
8260 VOC	40ml	VOA	HCl	3	n	—	—	—

NOTES:

Sampler Signature

1. Monitoring wells sampled with a bailer require at least 3 to 5 well volumes to be purged prior to sampling unless the well bails dry prior to the removal of three (3) well volumes. Wells bailed dry should be sampled upon sufficient recovery of water in the well. Record the time of purging and the time of sampling on the Groundwater Sampling Form.

2. Include Date PDB Installed in well, and Date PDB removed and sampled in NOTES section.

ENVIRO forensics

825 N. Capitol Avenue
Indianapolis, IN 46204
T: 317-972-7870 F: 317-972-7875

PROJECT NAME Martino's 41st

LOCATION/ADDRESS 7513 41st St Kenosha, WI

PROJECT NO 6165

CLIENT/CONTACT

Well ID MW-18

Sample ID 6165-MW-18

Screened Interval 10.9-20.9

Sampler (print) C. Moran

Pump Placement:
- If water level is above top of well screen, place pump in middle of well screen.
-If water level is below top of well screen, place pump in middle of water column.

WATER LEVEL MEASUREMENTS DURING GAUGING:

Well Depth 20.21 feet
Depth to Water 15.44 feet
Well Diameter 2 inches
Casing Volume 0.78 gallons
Volume Removed 1.19 gallons
No. of Casing Volumes Removed 1.53
Gauging Date 8/1/23

Conversion Factor for Well Volume	
0.01025	0.75" Well
0.041	1" Well
0.163	2" Well
0.653	4" Well
0.000264	mL to Gallon

SAMPLING METHOD:

Low-Flow K
Grab/No-purge
Bailer[1]
Peristaltic pump
Submersible Pump K
Passive Diffusion Bag[2]
Other
Pump Depth (ft below TOC) (if applicable) 17.83

Stability Readings: Collect readings every 3 to 5 minutes for a minimum of 20 minutes and no less than 5 readings. If not equilibrated after 40 minutes, call PM.

	MUST BE STABLE			AT LEAST ONE MUST BE STABLE					
Time	Temperature (Celsius) +/- 3%	pH (S.U.) +/- 0.1	Specific Conductance (mS/cm) +/- 3%	Oxidation-Reduction Potential (mV) +/- 10mV	Turbidity (NTU) <100 and +/- 10%	Dissolved Oxgen (mg/L) +/- 10%	Sampling DTW (ft) <0.3ft	Flow Rate (ml/min) <250	mL Removed
0835	19.72	7.48	2.89	116	309	5.34	15.45	100	-
0840	18.80	7.29	2.94	135	184	2.47	15.45	100	500
0845	18.45	7.33	3.00	135	114	1.61	15.45	100	1000
0850	18.46	7.38	3.02	133	87.4	1.33	15.45	100	1500
0855	18.41	7.41	3.07	127	64.5	1.16	15.45	100	2000
0900	18.48	7.45	3.07	115	47.0	1.03	15.45	100	2500
0905	18.56	7.46	3.09	105	34.3	0.90	15.45	100	3000
0910	18.64	7.48	3.10	95	23.2	0.81	15.45	100	3500
0915	18.72	7.49	3.10	90	18.0	0.75	15.45	100	4000
0920	18.86	7.49	3.11	85	12.6	12.9	15.45	100	4500

PURGE[1]: START Date 8/2/23 Time 0835

SAMPLING: FINISH Date 8/2/23 Time 0925

Sample Analysis	Volume	Type	Preservative	Number of Containers	Reaction (y/n)	Filter Type	Duplicate	MS/MSD
8260 VOC	40mL	VOA	HCl	9	n	-	-	✓

NOTES: MS/MSD

Sampler Signature: Luke Moran

1. Monitoring wells sampled with a bailer require at least 3 to 5 well volumes to be purged prior to sampling unless the well bails dry prior to the removal of three (3) well volumes. Wells bailed dry should be sampled upon sufficient recovery of water in the well. Record the time of purging and the time of sampling on the Groundwater Sampling Form.

2. Include Date PDB Installed in well, and Date PDB removed and sampled in NOTES section.

ATTACHMENT B

GROUNDWATER SAMPLING

PFAS SOP

STANDARD OPERATING PROCEDURE

Sampling Protocol for Per-and Polyfluoroalkyl Substances (PFAS)

INTRODUCTION

State regulatory agencies are currently developing sampling guidance, soil and groundwater standards, and other procedures aimed at the regulation of per- and polyfluoroalkyl substances (PFAS). Along with the developing regulatory procedures, there exist several sampling guidance resources from various agencies such as the State of Michigan, the U.S. Department of Defense, the U.S. Environmental Protection Agency, the Interstate Technology & Regulatory Council, and a few analytical laboratories such as Pace Analytical and Test America. This Standard Operating Procedure (SOP) was based on the procedures and guidance developed to date by these agencies. Since regulations and standards regarding PFAS are evolving, it is anticipated that this SOP will require periodic modifications.

When sampling for PFAS, this SOP should be used as a supplement to modify existing EnviroForensics SOP's related to standard groundwater and soil sampling procedures.

Although similar to standard sampling methods for other chemical compounds, special precautions are necessary when sampling for PFAS due to the laboratory detection limits that are in the parts per trillion range, and the proliferation of PFAS in common consumer products. This greatly raises the potential for these compounds to be inadvertently introduced to the samples, resulting in false-positive detections.

The sampling precautions and protocol for PFAS are rigorous and there are many potential opportunities for mistakes in the field that can result in cross-contamination, or the inadvertent introduction of PFAS into the sample media. **It is required that any field investigations for PFAS be conducted by a two (2) person team**. One (1) person is assigned the actual sample collection protocol and the other person is assigned to maintaining the integrity of the sample throughout the sampling process.

PRE-SAMPLING CONSIDERATIONS

As mentioned, PFAS have been detected in many everyday products including cosmetics, soaps, sun-screen, insect repellent, and many products having water repellents and/or stain-resistant coatings to include carpeting, car upholstery, some Tyvek suits, water proof leather boots, garments, and rain-wear. Several agencies have prepared a list of acceptable materials that have

been tested free of PFAS; however, there is a long list of items that have not been tested. This SOP provides some acceptable materials that can be safely used before and during sampling for PFAS, along with comments regarding materials that should not be used and various recommendations to improve sample integrity.

A limited number of readily available and recognizable products are presented below instead of listing all options. For example, there are numerous sun-screen and insect repellent products that have been determined to be PFAS-free (and the list will likely grow over time); however, only a few readily available and recognizable products are listed or recommended here to reduce the number of product decisions that project staff may need to make. If any other product is proposed for use, but is not identified in this SOP as PFAS-free, then that product or substance will need to be analyzed or otherwise determined to be PFAS-free before it can be used.

Personal Hygiene and Care Products

Many personal care products may contain PFAS. These products include soaps, shampoos, cosmetics, deodorants, and dental products including floss. By following this SOP it is not likely that these types of products will come into direct contact with a sample. However, it is **highly recommended that the use of personal care products be curtailed the day of sampling** until more information is available for personal care products that do not contain PFAS.

Personal Protective Equipment

Many common types of protective equipment including clothes, jackets, boots, gloves, Tyvek products, sunscreen, and insect repellents contain PFAS. For common clothing, jackets, boots, and gloves, the PFAS occurs in water repellent and stain repellent treatments that have been applied to the clothing and outer wear. The use of fabric softeners during laundering may also impart PFAS to clothing. Rain suits made of breathable, yet water repellent, materials typically have PFAS in them. Items made of rubber or PVC do not contain PFAS.

Items that may be worn and are known to be free of PFAS include:

- Powderless nitrile gloves;
- Clothing made of natural and synthetic fibers (preferably cotton) and that have been **washed at least six (6) times and without using fabric softeners or dryer sheets**;
- Polyvinyl chloride (PVC) or wax-coated fabrics, including rain gear;
- Any boots or over-boots made of polyurethane or PVC;
- Neoprene;
- Un-coated Tyvek® coveralls;

- Sunscreen: Banana Boat Sport Performance Sunscreen Lotion Broad Spectrum SPF 30; or Coppertone Sunscreen Lotion Ultra Guard Broad Spectrum SPF 50; and
- Insect repellent: Off Deep Woods.

Items that **may not** be worn due to the potential for containing PFAS:

- Coated Tyvek® materials as they do contain PFAS;
- Leather or other steel-toed work boots unless polyurethane or PVC over-boots are used;
- Clothing treated with stain or water repellents;
- Clothing and outerwear that has been dry cleaned; and
- Any rain gear having Gore-Tex™ or other water-proof, or water-repellent fabrics or coatings.

Field Sampling Equipment

Carefully select sampling equipment that directly contacts the sample to ensure it is free from PFAS. Submersible pumps, down-hole instruments, and tubing used for groundwater sampling could have external or internal parts that are not PFAS-free. Check with the manufacturer to evaluate whether there are PFAS-containing components in the equipment. If unsure collect an equipment blank and have it analyzed for PFAS.

Some materials that are known to be PFAS-free include:

- Metals (metal components used for groundwater sampling are typically either stainless steel or brass);
- Nylon;
- PVC (bailers and pump parts);
- High-density polyethylene (HDPE);
- Polypropylene and polyurethane (bailer rope and tubing);
- Silicone (tubing); and
- Acetate (drill core sleeves).

Materials that may contain PFAS and **are not** to be used include:

- Low-density polyethylene (LDPE) tubing. LDPE does not inherently contain PFAS, but may have acquired it through materials used in the manufacturing process. LDPE Zip-loc® sample bags can be used if they do not contact the sample media directly;
- Aluminum foil;

- Teflon-lined tubing or equipment having Teflon components;
- Any product or equipment having any "fluoro" prefix;
- "Rite in the Rain" or other all-weather field books; and
- Sharpie markers, post-it notes, or other adhesive paper products.

In addition, **do not** transport field equipment in direct contact with vehicle carpet or seats. These materials typically contain PFAS in stain and water repellent applications. If equipment must be set on seats or carpet, then transport it in a closed container.

Sample Collection Recommendations:

1. If the depth to water is shallow, use disposable PVC bailers with polypropylene or polyurethane rope.
2. Collect an equipment blank from or through any sampling equipment before its use in the field, unless all equipment materials are inherently PFAS-free, or the manufacturer can guarantee that all components are PFAS-free.
3. Determine if the measuring tape on the water level meter contains PFAS, see #2 above.
4. If using a peristaltic pump to collect shallow water table samples, use only new, unused, tubing that is inherently PFAS-free at each sample location (HDPE, nylon, polyurethane, silicone).
5. If using any other submersible pump in deeper water table conditions, see #2 above.
6. If using any other down-hole data collection probe, see #2 above.
7. For longer-term monitoring of confirmed PFAS in groundwater, consider using dedicated and PFAS-free equipment such as dedicated pumps. Passive Diffusion Bags may be used if equipped with HDPE hydrasleeves and the de-ionized water is PFAS-free.
8. If setting temporary wells, collecting soil samples, or using any other drilling method, ensure that the core sleeves are either acetate, PVC, or HDPE (see #2 above).
9. Use only stainless steel tools or wooden disposable tongue depressors to collect soil sub-samples from drill cores.
10. Use only aluminum or Masonite clipboards with loose paper (non-water resistant) to record field notes.
11. Use only ball-point pens to record field data, prepare sample labels, etc.

Decontamination

It is extremely important that any **water** used for decontamination of equipment or hand washing before, between, and after sampling be free of PFAS. Commercially available distilled water sources should be analyzed for PFAS before its use in the field and should come in an HDPE container. If using municipal water, check with the municipality to determine if the source is

PFAS-free. If that cannot be readily determined, then sample the water for PFAS before its use.

All rental equipment and in-house equipment previously used at other sites needs to be decontaminated before its use. Use only Alconox®, Liquinox®, or Citranox® to decontaminate equipment or wash hands, and use only PVC or HDPE brushes for scrubbing equipment.

Decontaminate equipment before collecting samples, between samples, and at the end of the day. Triple-rinse equipment after cleaning, and change nitrile gloves after decontaminating equipment between sample locations.

FIELD SAMPLING PROCEDURES

Sample Handling

Sample handling procedures are implemented to ensure that sample integrity is maintained throughout the sample collection process. Therefore, the procedures for collecting PFAS samples are not unlike typical sample handling procedures already employed by EnviroForensics personnel. However, due to the pervasiveness of PFAS in the environment, low laboratory detection limits, and possibility of cross-sample contamination, the sample handling procedures for PFAS are more rigorous. EnviroForensics uses a clean hands/dirty hands approach during sample handling activities. One person handles all of the sampling equipment and the other person handles only the sample containers. Specific sample handling procedures with respect to PFAS include:

1. Label sample containers and zip-lock bags in the office before visiting the Site, or in a staging area, and keep the containers in a PFAS-free cooler for use on site. Wash hands and don new powderless nitrile gloves before sample collection.
2. The person designated "dirty hands" handles the sampling equipment only. The person designated "clean hands" holds the sample container and seals the container lid after collecting the sample.
3. **Do not** touch anything other than decontaminated field sampling equipment or sample containers after donning clean nitrile gloves. If you do by accident, change gloves before proceeding further.
4. **Do not** touch the sample or let the outside of the sampling equipment (tubing, bailer, etc.) touch the sample container during sample collection.
5. **Do not** set the sample container on the ground or other surfaces while collecting the sample. That is why there are two people involved.

6. Hands must be washed and new powderless nitrile gloves donned after any decontamination procedure, or (if using all disposable materials) before collecting another groundwater or soil sample;
7. Double bag individual soil or groundwater samples in zip-loc bags and immediately place samples on ice in the cooler.

Additional Considerations

1. Wash hands and change gloves frequently during a long decontamination procedure.
2. Set up a staging area away from the sample collection area for logging field notes, labeling samples containers before sampling, and for taking breaks.
3. **Do not bring any fast food to the site or go off site for lunch.** Fast food wrappers typically contain PFAS. Instead, prepare a lunch and bring it in a plain paper bag to consume in the staging area.
4. Wash hands thoroughly and don clean nitrile gloves following lunch and other breaks.

Laboratory

Many states are currently developing PFAS regulatory standards and laboratory certification programs. There are many compounds of concern contained in the overall PFAS family of chemicals. If State standards have not yet been developed, check with the State regulatory agency to determine the particular compounds to analyze for. Some analytical laboratories have been certified by various agencies such as: State regulatory agencies; Department of Defense; Department of Energy; National Environmental Laboratory Accreditation Program; and International Organization for Standardization. That does not mean that they are set up to analyze for all PFAS chemicals of concern to a particular State agency. Check with the laboratory after determining the State requirements.

Do not use glass sampling containers, as glass tends to adsorb PFAS. Instead, use HDPE or polypropylene containers. Container caps should be of the same material with no Teflon™ seal. Confirm that coolers used to store and ship laboratory samples are PFAS-free. A qualified laboratory will provide the appropriate media for these protocols.

For groundwater samples, do not filter or use a chemical preservative. For samples of municipal drinking water (also possibly used for equipment decontamination) the analytical methods call for preservation with Trizma® to buffer and remove chlorine. Check with the laboratory regarding how many sample containers are needed per sample and appropriate preservatives. Place samples separately in double zip-loc® bags and place immediately on ice. Maintain temperature of the samples below 50° F (10° C). Use regular ice. **Do not use "blue ice" or**

chemical ice packs.

Seal Chain-of-Custody forms and other forms in a zip-loc® bag and tape to the inside lid of the cooler. Tape the cooler closed with a custody seal and ship to the analytical laboratory. Hold time is 14 days to the laboratory with extraction within 28 days.

The current U.S. Environmental Protection Agency (USEPA) developed, and validated analytical methods for PFAS are USEPA Method 533, and USEPA Method 537.1. USEPA Method 533 is focused on the detection of short-chained PFAS (4-12 carbon chain lengths), while Method 537.1 is more focused on detecting longer chain PFAS. Using both methods, up to 29 PFAS chemicals can be detected. These methods were developed for drinking water, but would also apply to groundwater. Soil samples are currently being analyzed for PFAS using a modified Method 537M. New sampling methods are evolving, so these methods may change in the future. Check with State agencies and the analytical laboratories to determine if the above stated methods are still valid or if other methods have been developed and approved by the USEPA and State.

ADDITIONAL FIELD QUALITY CONTROL (BLANKS)

Several different blanks will need to be collected during and possibly before field sampling operations. As previously mentioned, equipment blanks should be collected and analyzed before site work if any materials to be used in field sampling cannot be determined to be PFAS-free. There are additional blanks that will need to be collected during the actual sample collection process to ensure that quality control has been maintained and samples have not been contaminated by outside sources.

Equipment Blanks

Equipment blanks are collected to determine the adequacy of the decontamination process. Equipment blanks are not needed if using dedicated or disposable sampling equipment that has been determined to be PFAS-free.

- Collect an equipment blank by passing PFAS-free water through/over field sampling equipment before use; and
- Collect an additional equipment blank for every five (5) samples collected.

Have the analytical laboratory hold the equipment blanks for possible analysis. Some of the equipment blanks may be analyzed if one or more samples contain PFAS detections.

Field Reagent Blanks

Field reagent blanks (FRBs) are collected to determine if PFAS have entered the samples through the ambient environment, the sampling process in general, and the analytical laboratory sample handling processes. The analytical laboratory will supply a vial of PFAS-free water and an empty sample container for collecting the FRB. The analytical laboratory should be consulted regarding the number of FRBs that should be collected per sampling event.

The FRB will be opened during the collection of one (1) site sample and handled in the same way as that of the site sample. The laboratory provided PFAS-free water will be poured into the provided clean sample vial to mimic field sample collection procedures. As with equipment blanks, reserve the FRBs for possible laboratory analysis if PFAS is detected in any given sample.

Field Duplicates

Collect duplicate samples to measure both field and laboratory precision. The State regulatory agency should be contacted to determine the number of duplicate samples to collect. The State may require more duplicate samples than would be typical for other types of contaminants. For example, the Wisconsin Department of Natural Resources typically requires that one (1) duplicate sample be collected for every 10 groundwater samples that are collected. However, this is guidance (refer to *Groundwater Sampling Desk Reference*, PUBL-DG-037, September 1996) and they may require more when sampling for PFAS.

Trip Blanks

Typically, trip blanks are utilized to determine cross-contamination during shipment of samples and the possible introduction of contaminants in the laboratory environment due to volatile organic compounds. However, the analytical laboratory should be consulted regarding the need for a trip blank during PFAS sampling.

If requested by the laboratory, the laboratory will prepare the trip blanks using PFAS-free water and will ship them with the cooler. If required, include one (1) trip blank in each sample cooler. Do not remove the trip blank from the cooler during sampling, or transport to and from the site. The laboratory will decide whether to run the trip blank if one (1) or more site samples contain PFAS.

REFERENCES

California State Water Quality Control Board, Division of Water Quality, 2019, *Per- and Polyfluoroalkyl Substances (PFAS) Sampling Guidelines*, 9 pp.

Interstate Technology Regulatory Council, 2018, *Site Characterization Considerations, Sampling Precautions, and Laboratory Analytical Methods for Per- and Polyfluoroalkyl Substances (PFAS)*, 9 pp.

Michigan Department of Environmental Quality, 2018, *General PFAS Sampling Guidance*, 24 pp.

Pace Analytical Webpage, *PFAS Field Sampling Guide*: https://www.pacelabs.com/assets/2020-01-14-pfas-field-sampling-guide.pdf.

United States Department of Defense Webpage, *Bottle Selection and Other Sampling Considerations When Sampling for Per- and Poly-Fluoroalkyl Substances (PFAS)*: https://www.denix.osd.mil/edqw/home/what-s-new/unassigned/edqw-pfas-sampling-factsheet-rev-1-2-july-2017/.

United States Environmental Protection Agency Webpage, *EPA Drinking Water Laboratory Method 537 Q&A*: https://www.epa.gov/pfas/epa-drinking-water-laboratory-method-537-qa.

ATTACHMENT C

LOW-FLOW GROUNDWATER SAMPLING
SOP

Standard Operating Procedure:
Low-Flow Rate Purging and Sampling of Groundwater Monitoring Wells

Introduction

Sampling of groundwater for contaminants is typically done to achieve one of the following goals, several of which are interrelated:

- To investigate the presence or absence of contaminants
- To delineate a plume
- To determine the concentrations of contaminants at specific points in a plume at a given time
- To understand the transport and fate of contaminants in the aquifer
- To carry out regulatory compliance monitoring
- To evaluate a treatment system through remediation performance monitoring

The common factor in achieving these objectives is that analytical data resulting from groundwater samples must accurately represent the contaminant concentrations and geochemistry of the subsurface at the points in space and time where the samples were acquired. Assuming the well screen is properly located and the well is appropriately constructed, the idea is to remove a portion of the water that represents the water in the aquifer at that precise screened location on that date. To accomplish this goal the water must be removed from the aquifer with as little disturbance as possible. This SOP assumes that sampling is being done from a properly constructed and adequately developed well. Groundwater samples can be compromised by aeration, mixing of the stagnant water in the well casing above the screened interval with the sample, the artificial entrainment of particulates pulled from the aquifer minerals or the sand pack (turbidity), and the loss of volatile dissolved compounds. All of these impacts can be caused by pumping water at a very high flow rate through the well screen and by using bailers, which induce surging in the well bore and require pouring or draining to collect the sample into containers for analysis. Low-flow purging and sampling technologies were developed to minimize these problematic issues and increase both accuracy and precision in sample collection.

Low-flow rate purging and sampling consists of a variety of concepts and processes designed to minimize disruption to the well, sand pack, outlying aquifer, and the collected samples. These techniques are also generally designed to provide confirmation that the water being collected is representative of the formation water through the observation of sensitive indicator parameters. Low-flow rate sampling concepts and techniques include:

- Low pump rates, usually 0.1-0.5 L/min
- Purging and sampling is always performed from within the screened interval when standard monitoring wells are used
- Collect samples in the formation immediately adjacent to the well and pump (or tubing)
- Sampling follows stabilization of the most sensitive purging indicator parameters

The low pumping rates and the elimination of the use of bailers minimize artificial turbidity, aeration, mixing of different waters, VOC loss and outgassing, while maintaining any naturally mobile colloidal particulates that might contribute to the total contaminant loading. Since waters are collected from the aquifer in the immediate vicinity of the well, better concentration data at that point are obtained. The development of low-flow purging and sampling techniques increased the list of parameters that had been routinely monitored during high-speed purging, i.e., temperature, pH, and conductivity, to include dissolved oxygen (DO), oxidation-reduction potential (ORP), and turbidity. Flow-through cells are required during the purging because certain values immediately change upon exposure to the atmosphere, such as would occur in an open container.

It is also important that all of these parameters be measured accurately when their readings become stabilized. This is due to their importance for understanding contaminant transport and fate, speciation, monitored natural attenuation, performance monitoring and geochemical modeling when used in conjunction with the laboratory analytical data. To accurately measure these parameters requires that all the electrodes within the flow-through cell be properly calibrated using manufacturer's guidelines. This requires little time, is very important, and provides both the person assessing the data and the client for whom data-based decisions will be made with a much better cost to benefit ratio. For reference, typical ranges for various water quality parameters are as follows:

Parameter	Expected Range	Notes
pH	6 - 8	
DO	0 - 8 mg/L	Never negative. Should be in line with ORP (e.g., if ORP low or negative, DO should be low)
ORP	varies	Should be in line with DO (e.g., if DO low, ORP should be low or negative)
Turbidity	varies	Never negative. If low turbidity, water should be clear, if high turbidity, water should be cloudy
Specific Conductivity	450 - 1050 µS/cm	
Temperature	13^{o}C +/- 10^{o}	Groundwater temperature is around 13^{o}C, however your reading may be affected by the ambient air temperature.

Equipment

This equipment list may not include all items needed, which would depend upon a variety of factors including weather, availability of power, analyses to be done in the field, etc., but lists the basic needs and provides a starting point for consideration of items that will be required when in the field.

- Detailed well location map
- Groundwater Sampling Forms
- Total well depth and screened interval data and previous water level data
- Order of the well sampling (lowest to highest contaminant concentrations)
- Electronic water level tape
- Peristaltic sampling pump (if allowed by regulators) or bladder pump and controllers
- Tubing
- Sample bottles, cooler, ice, chain of custody forms
- Drums for purge water (if required)
- Water quality meter (e.g., Horiba or YSI) including the flow-through cell
- Bound record book for recording meter calibrations and any issues
- Calibration solutions and instructions, spare DO membranes, etc.
- Alconox and distilled water
- Graduated cylinder for measuring flow rate
- Markers and pens, calculator
- PPE

Procedure

1. Following manufacturer's instructions, calibrate the meter that will be used to collect the low-flow stabilization data. This should be done at least once per day prior to collecting samples and repeated if conditions warrant or should data appear to be overly noisy or otherwise suspect (e.g., DO values above 10 mg/L). Calibration should be done for pH, conductivity, DO, and turbidity. The DO membrane should be replaced occasionally based upon the manufacturer's guidelines or should calibration prove impossible. Bubbles must not be trapped under the membrane.

2. Decontaminate the pump, water level meter, and any other non-dedicated equipment according to the decontamination SOP.

3. Sample the wells beginning with those having the lowest concentrations of the contaminants of concern and work up to those with the highest concentrations (if this information is known).

4. Observe the condition of the wellhead; the cover, the lock, the standpipe, any standing water, etc., and note observations of anything unusual on the data sheet for that well. Notes should be made in the field notebook regarding anything out of the ordinary throughout the entire sampling procedure.

5. Open the well carefully and be cautious to avoid any dirt, water, or other materials entering the casing. If anything does enter the casing, note this in the field notebook.

6. The depth to water for each well should be approximately known from well logs or previous sampling data. Carefully lower a clean electronic water level measuring tape into the casing until it signals that water has been reached. Raise and lower the tape slowly and carefully to ascertain that you have reached the water table; try to avoid disturbing the water below the surface. Note the depth to 0.01 foot of resolution on the Sampling Form and remove the tape.

7. If the well contains either a dedicated length of tubing or a dedicated pump, confirm that the tubing/pump remains properly set at the correct depth for sampling (by whatever means this has been established at the site). Note any changes that are necessary.

8. If the well does not contain a dedicated pump or tubing, measure the length of new tubing needed to reach from the midpoint of the screened interval (or saturated interval if the water table is within the screen portion of the well) to the pump controller at the surface. If using a bladder pump, use a new disposable bladder for each sample.

9. Slowly lower the pump/ tubing until the pump intake reaches that depth, taking care not to disturb any sediment at the bottom of the well.

10. Attach the tubing from the well to the peristaltic pump or pump controller. The tubing that extends from the well to the peristaltic pump, pump controller, etc., must be replaced between wells. Attach tubing from the pump controller to the flow-through cell and from the outlet of the flow-through cell to a bucket.

11. Begin pumping the well at a very low flow-rate and calculate the volume pumped per unit time (using a graduated cylinder and stopwatch. Typically, 150 ml/minute is a reasonable initial pumping rate for wells that produce sufficient water having a five-foot or longer well screen. If production is unknown for the well, it can be useful to carefully measure the water level with the tape, while pumping, and track whether or not the cone of depression (drawdown) stabilizes with time. For piezometers, drawdown should be minimized to the extent possible to prevent stagnant casing water above the screened interval from being pulled into the screened interval. If drawdown doesn't occur to any appreciable extent, the pumping rate can be carefully increased. The pumping rate cannot exceed 500 ml/ min.

12. Begin collecting data from the sensors in the flow-through cell using either an automated data logger or by manually transcribing the readings displayed on the meter on the Groundwater Sampling Form. Water quality meter readings, pumping rate, and drawdown should be recorded approximately every five minutes. Readings can be recorded on shorter timeframe (e.g., every three minutes) if the well can maintain higher pumping rates with drawdown less than 0.33 feet.

13. If drawdown exceeds 0.33 feet at the lowest achievable pumping rate, low-flow sampling techniques are not appropriate for the monitoring well. Consult the project manager to

select an alternative sampling method. Typically, the well should be purged to dryness and samples collected as soon as the well has recovered to provide sufficient sample volume.

14. Stabilization is achieved after certain parameters have stabilized for three successive readings. As listed on the Groundwater Sampling Form, three successive readings must be within ± 3% for temperature, ± 0.1 for pH, and ± 3% for conductivity, ± 10 mv for oxidation-reduction potential (ORP), and ± 10% for turbidity and DO. However, for ORP, DO, and turbidity, only one of these three parameters needs to reach stability prior to sampling.

15. Upon stabilization, record all the final data for the flow-through cell parameters (temperature, pH, conductivity, ORP, DO, turbidity) and the flow rate at which they were collected.

16. Disconnect the tubing from the flow-through cell and drain into the bucket.

17. Collect samples from the tubing extending from the pump directly into laboratory-supplied containers. Collect in this order: VOCs, SVOCs, all other parameters. When collecting these samples, minimize agitation of the well by maintaining the pump elevation and a constant flow rate. If a duplicate VOC sample is being collected, alternate filling vials between the primary and duplicate sample.

18. Measure the total depth of the well and record on the Groundwater Sampling Form.

19. Clean the electrodes and flow-through cell, and other non-dedicated equipment such as the pump and water level indicator, with an Alconox solution followed by multiple rinses with distilled water, or by following manufacturer's guidelines, prior to use at the next well.

ATTACHMENT D

LABORATORY REPORT

18-Aug-2023

Brad Lewis
EnviroForensics
602 North Capitol Avenue
Suite 210
Indianapolis, IN 46204

Re: **Martinos Cleaners 41st** Work Order: **23080570**

Dear Brad, Revision: **1**

ALS Environmental received 19 samples on 05-Aug-2023 09:30 AM for the analyses presented in the following report.

This is a REVISED REPORT. The Case Narrative provides information discussing the reason for issuing a revised report.

Sample results are compliant with industry accepted practices and Quality Control results achieved laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental. Samples will be disposed in 60 days unless storage arrangements are made.

The total number of pages in this report revision is 92.

If you have any questions regarding this report, please feel free to contact me:

ADDRESS: 3352 128th Avenue, Holland, MI, USA
PHONE: +1 (616) 399-6070 FAX: +1 (616) 399-6185

Sincerely,

Electronically approved by: Chad Whelton

Chad Whelton
Project Manager

ALS Group, USA

Date: 18-Aug-23

Client: EnviroForensics
Project: Martinos Cleaners 41st
Work Order: **23080570**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
23080570-01	6165-MW-1	Water		8/3/2023 09:07	8/5/2023 09:30	☐
23080570-02	6165-MW-2	Water		8/2/2023 11:45	8/5/2023 09:30	☐
23080570-03	6165-MW-3S	Water		8/1/2023 12:40	8/5/2023 09:30	☐
23080570-04	6165-MW-4	Water		8/2/2023 15:12	8/5/2023 09:30	☐
23080570-05	6165-MW-5	Water		8/1/2023 15:44	8/5/2023 09:30	☐
23080570-06	6165-MW-6	Water		8/3/2023 11:32	8/5/2023 09:30	☐
23080570-07	6165-MW-7	Water		8/2/2023 13:59	8/5/2023 09:30	☐
23080570-08	6165-MW-8	Water		8/1/2023 11:45	8/5/2023 09:30	☐
23080570-09	6165-MW-9	Water		8/2/2023 10:20	8/5/2023 09:30	☐
23080570-10	6165-MW-12	Water		8/1/2023 13:30	8/5/2023 09:30	☐
23080570-11	6165-MW-13	Water		8/3/2023 10:13	8/5/2023 09:30	☐
23080570-12	6165-MW-16	Water		8/1/2023 11:55	8/5/2023 09:30	☐
23080570-13	6165-MW-18	Water		8/2/2023 09:25	8/5/2023 09:30	☐
23080570-14	6165-DUP-1	Water		8/1/2023	8/5/2023 09:30	☐
23080570-15	6165-EB-1	Water		8/1/2023 16:00	8/5/2023 09:30	☐
23080570-16	6165-EB-2	Water		8/2/2023 15:30	8/5/2023 09:30	☐
23080570-17	6165-EB-3	Water		8/3/2023 12:00	8/5/2023 09:30	☐
23080570-18	TRIP BLANK	Water		8/1/2023	8/5/2023 09:30	☐
23080570-19	6165-FB-1	Water		8/1/2023	8/5/2023 09:30	☐

Revision: 1

Client:	EnviroForensics
Project:	Martinos Cleaners 41st
Work Order:	23080570

Case Narrative

Samples for the above noted Work Order were received on 08/05/2023. The attached "Sample Receipt Checklist" documents the status of custody seals, container integrity, sample condition, preservation, and temperature compliance.

In order to ensure compliance with NR 149 criteria, please note the following report format:
(1) The Limit of Detection (LOD) is reported as the MDL (Method Detection Limit)
(2) The Limit of Quantitation (LOQ) is reported as the PQL (Practical Quantitation Limit)
(3) All reported concentrations, including those for the LOD and LOQ, are adjusted for any required dilutions
(4) All reported concentrations, including those for the LOD and LOQ, are adjusted for moisture content when samples are reported on a dry weight basis.

Samples were analyzed according to the analytical methodology previously documented in the "Work Order Acknowledgement". Methodologies are also documented in the "Analytical Result" section for each sample. Quality control results are listed in the "QC Report" section. Detail as to the associated samples can be found at the end of each batch summary. If applicable, results are appropriately qualified in the Analytical Result and QC Report sections. The "Qualifiers" section documents the various qualifiers, acronyms, and units utilized in reporting.

With the following exceptions, all sample analyses achieved analytical criteria.

Volatile Organics

Batch R378712w, Method SW8260D, Sample 6165-DUP-1 (23080570-14A): The reporting limit is elevated due to dilution for high concentrations of non-target analytes.

Batch R378546a, Method SW8260D, Sample 23080570-13A MS/MSD: The MS/MSD recovery was above the upper control limit. The corresponding result in the parent sample was non-detect, therefore no qualification is necessary: Bromomethane, Trichlorofluoromethane, Vinyl chloride.

Batch R378546a, Method SW8260D, Sample 23080570-13A MS: The MS recovery was outside of the control limit. However, the MSD recovery and the RPD between the MS and MSD was in control. No qualification is required for this analyte: Tetrachloroethene.

Batch R378712w, Method SW8260D, Sample 23080570-14A MS/MSD: The MS/MSD recovery was above the upper control limit. The corresponding result in the parent sample was non-detect, therefore no qualification is necessary: Toluene, Tetrachloroethene.

Batch R378712w, Method SW8260D, Sample 23080570-14A MS: The MS recovery was outside of the control limit. However, the MSD recovery and the RPD between the MS and MSD was in control. No qualification is required for this analyte: Benzene, Ethylbenzene, Bromochloromethane.

Batch R378712w, Method SW8260D, Sample 23080570-14A MSD: The MSD recovery was outside of the control limit. However, the MS recovery and the RPD between the MS and MSD was in control. No qualification is required for this analyte: Trichlorofluoromethane.

Extractable Organics

Batch 221477a, Method E537 Mod, Sample 6165-MW-3S (23080570-03B): One or more surrogate recoveries were above the upper control limits. The sample was non-detect, therefore, no qualification is needed. 13C2-FtS 4:2

Batch 221477a, Method E537 Mod, Sample 6165-MW-8 (23080570-08B): One or more surrogate recoveries were above the upper control limits. The sample was non-detect, therefore, no qualification is needed. 13C2-FtS 6:2

Batch 221477a, Method E537 Mod, Sample 6165-MW-8 (23080570-08B): One or more surrogate recoveries were above the upper control limits. The sample was non-detect, therefore, no qualification is needed. 13C2-FtS 4:2

Batch 221477a, Method E537 Mod, Sample 6165-MW-12 (23080570-10B): The extracted internal standard response was outside recovery criteria with low bias; sample results may exhibit bias. 13C-PFUnDA_IS, 13C-PFDoA_IS, d5-NEtFOSA_IS, d3-NMeFOSA_IS

Batch 221477a, Method E537 Mod, Sample 6165-MW-12 (23080570-10B): One or more surrogate recoveries were above the upper control limits. The sample was non-detect, therefore, no qualification is needed. 13C2-FtS 4:2

Batch 221477, Method E537 Mod, Sample 6165-MW-3S (23080570-03B): Additional acid required to reach a pH of 3.

Batch 221477, Method E537 Mod, Sample 6165-MW-8 (23080570-08B): Sediment present in sample bottle. Sample spiked and poured off into 250 mL HDPE.Additional acid required to reach a pH of 3.

Batch 221477, Method E537 Mod, Sample 6165-MW-12 (23080570-10B): Sediment present in sample bottle. Sample spiked and poured off into 250 mL HDPE.Additional acid required to reach a pH of 3.

Batch 221477, Method E537 Mod, Sample 6165-DUP-1 (23080570-14B): Dirty sample matrix. 2x dilution required for SPE.

Revised report issued 8/18/23 due to client requested addition of VOC compounds.

Client:	EnviroForensics
Project:	Martinos Cleaners 41st
WorkOrder:	**23080570**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
**	Estimated Value
a	Analyte is non-accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
Hr	BOD/CBOD - Sample was reset outside Hold Time, value should be considered estimated.
J	Analyte is present at an estimated concentration between the MDL and Report Limit
n	Analyte accreditation is not offered
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL
X	Analyte was detected in the Method Blank between the MDL and Reporting Limit, sample results may exhibit background or reagent contamination at the observed level.

Acronym	Description
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
LOD	Limit of Detection (see MDL)
LOQ	Limit of Quantitation (see PQL)
MBLK	Method Blank
MDL	Method Detection Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PQL	Practical Quantitation Limit
RPD	Relative Percent Difference
TDL	Target Detection Limit
TNTC	Too Numerous To Count
A	APHA Standard Methods
D	ASTM
E	EPA
SW	SW-846 Update III

Units Reported	Description
µg/L	Micrograms per Liter
ng/L	Nanograms per Liter

ALS Group, USA

Date: *18-Aug-23*

Client: EnviroForensics
Project: Martinos Cleaners 41st
Sample ID: 6165-MW-1
Collection Date: 8/3/2023 09:07 AM

Work Order: 23080570
Lab ID: 23080570-01
Matrix: WATER

Analyses	Result	Qual	MDL	PQL	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS		Method: **SW8260D**					Analyst: **NAD**
1,1,1-Trichloroethane	U		0.46	1.5	µg/L	1	8/9/2023 23:28
1,1,2,2-Tetrachloroethane	U		0.40	1.3	µg/L	1	8/9/2023 23:28
1,1,2-Trichloroethane	U		0.46	1.5	µg/L	1	8/9/2023 23:28
1,1,2-Trichlorotrifluoroethane	U		0.52	1.7	µg/L	1	8/9/2023 23:28
1,1-Dichloroethane	U		0.44	1.5	µg/L	1	8/9/2023 23:28
1,1-Dichloroethene	U		0.40	1.4	µg/L	1	8/9/2023 23:28
1,2,3-Trichlorobenzene	U		0.42	1.4	µg/L	1	8/9/2023 23:28
1,2,3-Trichloropropane	U		0.40	1.3	µg/L	1	8/9/2023 23:28
1,2,4-Trichlorobenzene	U		0.45	1.5	µg/L	1	8/9/2023 23:28
1,2,4-Trimethylbenzene	U		0.45	1.5	µg/L	1	8/9/2023 23:28
1,2-Dibromo-3-chloropropane	U		0.43	1.4	µg/L	1	8/9/2023 23:28
1,2-Dibromoethane	U		0.41	1.4	µg/L	1	8/9/2023 23:28
1,2-Dichlorobenzene	U		0.32	1.1	µg/L	1	8/9/2023 23:28
1,2-Dichloroethane	U		0.44	1.4	µg/L	1	8/9/2023 23:28
1,2-Dichloropropane	U		0.48	1.6	µg/L	1	8/9/2023 23:28
1,3,5-Trimethylbenzene	U		0.65	2.2	µg/L	1	8/9/2023 23:28
1,3-Dichlorobenzene	U		0.33	1.1	µg/L	1	8/9/2023 23:28
1,4-Dichlorobenzene	U		0.35	1.2	µg/L	1	8/9/2023 23:28
2-Butanone	U		0.52	1.7	µg/L	1	8/9/2023 23:28
2-Hexanone	U		0.59	2.0	µg/L	1	8/9/2023 23:28
4-Methyl-2-pentanone	U		0.52	1.7	µg/L	1	8/9/2023 23:28
Acetone	U		6.2	21	µg/L	1	8/9/2023 23:28
Benzene	U		0.46	1.5	µg/L	1	8/9/2023 23:28
Bromochloromethane	U		0.45	1.5	µg/L	1	8/9/2023 23:28
Bromodichloromethane	U		0.49	1.6	µg/L	1	8/9/2023 23:28
Bromoform	U		0.56	1.9	µg/L	1	8/9/2023 23:28
Bromomethane	U		0.90	3.0	µg/L	1	8/9/2023 23:28
Carbon disulfide	U		0.49	1.6	µg/L	1	8/9/2023 23:28
Carbon tetrachloride	U		0.40	1.4	µg/L	1	8/9/2023 23:28
Chlorobenzene	U		0.40	1.3	µg/L	1	8/9/2023 23:28
Chloroethane	U		0.68	2.3	µg/L	1	8/9/2023 23:28
Chloroform	U		0.46	1.5	µg/L	1	8/9/2023 23:28
Chloromethane	U		0.83	2.8	µg/L	1	8/9/2023 23:28
cis-1,2-Dichloroethene	**6.2**		**0.42**	**1.4**	**µg/L**	1	8/9/2023 23:28
cis-1,3-Dichloropropene	U		0.57	1.9	µg/L	1	8/9/2023 23:28
Cyclohexane	U		0.63	2.1	µg/L	1	8/9/2023 23:28
Dibromochloromethane	U		0.40	1.3	µg/L	1	8/9/2023 23:28
Dichlorodifluoromethane	U		0.68	2.3	µg/L	1	8/9/2023 23:28

Note: See Qualifiers page for a list of qualifiers and their definitions.

Revision: 1

Client: EnviroForensics
Project: Martinos Cleaners 41st
Sample ID: 6165-MW-1
Collection Date: 8/3/2023 09:07 AM

Work Order: 23080570
Lab ID: 23080570-01
Matrix: WATER

Analyses	Result	Qual	MDL	PQL	Units	Dilution Factor	Date Analyzed
Ethylbenzene	U		0.34	1.1	µg/L	1	8/9/2023 23:28
Isopropylbenzene	U		0.35	1.2	µg/L	1	8/9/2023 23:28
m,p-Xylene	U		0.81	2.7	µg/L	1	8/9/2023 23:28
Methyl acetate	U		0.59	2.0	µg/L	1	8/9/2023 23:28
Methyl tert-butyl ether	U		0.45	1.5	µg/L	1	8/9/2023 23:28
Methylcyclohexane	U		0.35	1.2	µg/L	1	8/9/2023 23:28
Methylene chloride	U		0.86	2.9	µg/L	1	8/9/2023 23:28
Naphthalene	U		0.77	2.6	µg/L	1	8/9/2023 23:28
n-Propylbenzene	U		0.48	1.6	µg/L	1	8/9/2023 23:28
o-Xylene	U		0.31	1.0	µg/L	1	8/9/2023 23:28
p-Isopropyltoluene	U		0.26	0.88	µg/L	1	8/9/2023 23:28
sec-Butylbenzene	U		0.30	1.0	µg/L	1	8/9/2023 23:28
Styrene	U		0.33	1.1	µg/L	1	8/9/2023 23:28
Tetrachloroethene	**29**		**0.39**	**1.3**	**µg/L**	1	8/9/2023 23:28
Toluene	U		0.45	1.5	µg/L	1	8/9/2023 23:28
trans-1,2-Dichloroethene	U		0.48	1.6	µg/L	1	8/9/2023 23:28
trans-1,3-Dichloropropene	U		0.38	2.7	µg/L	1	8/9/2023 23:28
Trichloroethene	**2.5**		**0.43**	**1.4**	**µg/L**	1	8/9/2023 23:28
Trichlorofluoromethane	U		0.52	1.7	µg/L	1	8/9/2023 23:28
Vinyl chloride	U		0.53	1.8	µg/L	1	8/9/2023 23:28
Xylenes, Total	U		0.81	4.4	µg/L	1	8/9/2023 23:28
Surr: 1,2-Dichloroethane-d4	*102*			*80-120*	*%REC*	1	8/9/2023 23:28
Surr: 4-Bromofluorobenzene	*105*			*80-120*	*%REC*	1	8/9/2023 23:28
Surr: Dibromofluoromethane	*101*			*80-120*	*%REC*	1	8/9/2023 23:28
Surr: Toluene-d8	*102*			*80-120*	*%REC*	1	8/9/2023 23:28

Note: See Qualifiers page for a list of qualifiers and their definitions.

Revision: 1

Client: EnviroForensics
Project: Martinos Cleaners 41st
Sample ID: 6165-MW-2
Collection Date: 8/2/2023 11:45 AM

Work Order: 23080570
Lab ID: 23080570-02
Matrix: WATER

Analyses	Result	Qual	MDL	PQL	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS		Method: **SW8260D**					Analyst: **NAD**
1,1,1-Trichloroethane	U		0.46	1.5	µg/L	1	8/10/2023 04:04
1,1,2,2-Tetrachloroethane	U		0.40	1.3	µg/L	1	8/10/2023 04:04
1,1,2-Trichloroethane	U		0.46	1.5	µg/L	1	8/10/2023 04:04
1,1,2-Trichlorotrifluoroethane	U		0.52	1.7	µg/L	1	8/10/2023 04:04
1,1-Dichloroethane	U		0.44	1.5	µg/L	1	8/10/2023 04:04
1,1-Dichloroethene	U		0.40	1.4	µg/L	1	8/10/2023 04:04
1,2,3-Trichlorobenzene	U		0.42	1.4	µg/L	1	8/10/2023 04:04
1,2,3-Trichloropropane	U		0.40	1.3	µg/L	1	8/10/2023 04:04
1,2,4-Trichlorobenzene	U		0.45	1.5	µg/L	1	8/10/2023 04:04
1,2,4-Trimethylbenzene	**0.53**	J	**0.45**	**1.5**	**µg/L**	1	8/10/2023 04:04
1,2-Dibromo-3-chloropropane	U		0.43	1.4	µg/L	1	8/10/2023 04:04
1,2-Dibromoethane	U		0.41	1.4	µg/L	1	8/10/2023 04:04
1,2-Dichlorobenzene	U		0.32	1.1	µg/L	1	8/10/2023 04:04
1,2-Dichloroethane	U		0.44	1.4	µg/L	1	8/10/2023 04:04
1,2-Dichloropropane	U		0.48	1.6	µg/L	1	8/10/2023 04:04
1,3,5-Trimethylbenzene	U		0.65	2.2	µg/L	1	8/10/2023 04:04
1,3-Dichlorobenzene	U		0.33	1.1	µg/L	1	8/10/2023 04:04
1,4-Dichlorobenzene	U		0.35	1.2	µg/L	1	8/10/2023 04:04
2-Butanone	U		0.52	1.7	µg/L	1	8/10/2023 04:04
2-Hexanone	U		0.59	2.0	µg/L	1	8/10/2023 04:04
4-Methyl-2-pentanone	U		0.52	1.7	µg/L	1	8/10/2023 04:04
Acetone	U		6.2	21	µg/L	1	8/10/2023 04:04
Benzene	**0.96**	J	**0.46**	**1.5**	**µg/L**	1	8/10/2023 04:04
Bromochloromethane	U		0.45	1.5	µg/L	1	8/10/2023 04:04
Bromodichloromethane	U		0.49	1.6	µg/L	1	8/10/2023 04:04
Bromoform	U		0.56	1.9	µg/L	1	8/10/2023 04:04
Bromomethane	U		0.90	3.0	µg/L	1	8/10/2023 04:04
Carbon disulfide	U		0.49	1.6	µg/L	1	8/10/2023 04:04
Carbon tetrachloride	U		0.40	1.4	µg/L	1	8/10/2023 04:04
Chlorobenzene	U		0.40	1.3	µg/L	1	8/10/2023 04:04
Chloroethane	U		0.68	2.3	µg/L	1	8/10/2023 04:04
Chloroform	U		0.46	1.5	µg/L	1	8/10/2023 04:04
Chloromethane	U		0.83	2.8	µg/L	1	8/10/2023 04:04
cis-1,2-Dichloroethene	**180**		**2.1**	**6.9**	**µg/L**	5	8/9/2023 01:53
cis-1,3-Dichloropropene	U		0.57	1.9	µg/L	1	8/10/2023 04:04
Cyclohexane	U		0.63	2.1	µg/L	1	8/10/2023 04:04
Dibromochloromethane	U		0.40	1.3	µg/L	1	8/10/2023 04:04
Dichlorodifluoromethane	U		0.68	2.3	µg/L	1	8/10/2023 04:04

Note: See Qualifiers page for a list of qualifiers and their definitions.

Revision: 1

Client: EnviroForensics
Project: Martinos Cleaners 41st
Sample ID: 6165-MW-2
Collection Date: 8/2/2023 11:45 AM

Work Order: 23080570
Lab ID: 23080570-02
Matrix: WATER

Analyses	Result	Qual	MDL	PQL	Units	Dilution Factor	Date Analyzed
Ethylbenzene	**0.38**	J	**0.34**	**1.1**	**µg/L**	1	8/10/2023 04:04
Isopropylbenzene	**1.1**	J	**0.35**	**1.2**	**µg/L**	1	8/10/2023 04:04
m,p-Xylene	**1.9**	J	**0.81**	**2.7**	**µg/L**	1	8/10/2023 04:04
Methyl acetate	U		0.59	2.0	µg/L	1	8/10/2023 04:04
Methyl tert-butyl ether	U		0.45	1.5	µg/L	1	8/10/2023 04:04
Methylcyclohexane	U		0.35	1.2	µg/L	1	8/10/2023 04:04
Methylene chloride	U		0.86	2.9	µg/L	1	8/10/2023 04:04
Naphthalene	U		0.77	2.6	µg/L	1	8/10/2023 04:04
n-Propylbenzene	**1.0**	J	**0.48**	**1.6**	**µg/L**	1	8/10/2023 04:04
o-Xylene	U		0.31	1.0	µg/L	1	8/10/2023 04:04
p-Isopropyltoluene	U		0.26	0.88	µg/L	1	8/10/2023 04:04
sec-Butylbenzene	U		0.30	1.0	µg/L	1	8/10/2023 04:04
Styrene	U		0.33	1.1	µg/L	1	8/10/2023 04:04
Tetrachloroethene	U		0.39	1.3	µg/L	1	8/10/2023 04:04
Toluene	U		0.45	1.5	µg/L	1	8/10/2023 04:04
trans-1,2-Dichloroethene	**27**		**0.48**	**1.6**	**µg/L**	1	8/10/2023 04:04
trans-1,3-Dichloropropene	U		0.38	2.7	µg/L	1	8/10/2023 04:04
Trichloroethene	U		0.43	1.4	µg/L	1	8/10/2023 04:04
Trichlorofluoromethane	U		0.52	1.7	µg/L	1	8/10/2023 04:04
Vinyl chloride	**58**		**0.53**	**1.8**	**µg/L**	1	8/10/2023 04:04
Xylenes, Total	**1.9**	J	**0.81**	**4.4**	**µg/L**	1	8/10/2023 04:04
Surr: 1,2-Dichloroethane-d4	*102*			*80-120*	*%REC*	5	8/9/2023 01:53
Surr: 1,2-Dichloroethane-d4	*103*			*80-120*	*%REC*	1	8/10/2023 04:04
Surr: 4-Bromofluorobenzene	*95.9*			*80-120*	*%REC*	5	8/9/2023 01:53
Surr: 4-Bromofluorobenzene	*102*			*80-120*	*%REC*	1	8/10/2023 04:04
Surr: Dibromofluoromethane	*93.5*			*80-120*	*%REC*	5	8/9/2023 01:53
Surr: Dibromofluoromethane	*106*			*80-120*	*%REC*	1	8/10/2023 04:04
Surr: Toluene-d8	*98.4*			*80-120*	*%REC*	5	8/9/2023 01:53
Surr: Toluene-d8	*99.2*			*80-120*	*%REC*	1	8/10/2023 04:04

Note: See Qualifiers page for a list of qualifiers and their definitions.

Revision: 1

Client: EnviroForensics
Project: Martinos Cleaners 41st
Sample ID: 6165-MW-3S
Collection Date: 8/1/2023 12:40 PM

Work Order: 23080570
Lab ID: 23080570-03
Matrix: WATER

Analyses	Result	Qual	MDL	PQL	Units	Dilution Factor	Date Analyzed
WISCONSIN PFAS BY ISOTOPIC DILUTION		Method: **E537 MOD**					Analyst: **MNM**
Fluorotelomer Sulphonic Acid 4:2 (FtS 4:2)	U		0.90	4.8	ng/L	1	8/10/2023 14:16
Fluorotelomer Sulphonic Acid 6:2 (FtS 6:2)	U		1.8	4.8	ng/L	1	8/10/2023 14:16
Fluorotelomer Sulphonic Acid 8:2 (FtS 8:2)	U		1.1	4.8	ng/L	1	8/10/2023 14:16
Fluorotelomer Sulphonic Acid 10:2 (FtS 10:2)	U		2.3	4.8	ng/L	1	8/10/2023 14:16
Perfluorobutanesulfonic Acid (PFBS)	**1.4**	J	**0.34**	**4.8**	**ng/L**	1	8/10/2023 14:16
Perfluorobutanoic Acid (PFBA)	**6.1**		**2.5**	**4.8**	**ng/L**	1	8/10/2023 14:16
Perfluorodecanesulfonic Acid (PFDS)	U		1.3	4.8	ng/L	1	8/10/2023 14:16
Perfluorodecanoic Acid (PFDA)	U		1.2	4.8	ng/L	1	8/10/2023 14:16
Perfluorododecanesulfonic Acid (PFDoS)	U		0.60	4.8	ng/L	1	8/10/2023 14:16
Perfluorododecanoic Acid (PFDoA)	U		0.66	4.8	ng/L	1	8/10/2023 14:16
Perfluoroheptanesulfonic Acid (PFHpS)	U		0.54	4.8	ng/L	1	8/10/2023 14:16
Perfluoroheptanoic Acid (PFHpA)	U		1.7	4.8	ng/L	1	8/10/2023 14:16
Perfluorohexadecanoic Acid (PFHxDA)	U		1.7	4.8	ng/L	1	8/10/2023 14:16
Perfluorohexanesulfonic Acid (PFHxS)	U		0.87	4.8	ng/L	1	8/10/2023 14:16
Perfluorohexanoic Acid (PFHxA)	**2.6**	J	**1.2**	**4.8**	**ng/L**	1	8/10/2023 14:16
Perfluorononanesulfonic Acid (PFNS)	U		0.48	4.8	ng/L	1	8/10/2023 14:16
Perfluorononanoic Acid (PFNA)	U		0.83	4.8	ng/L	1	8/10/2023 14:16
Perfluorooctadecanoic Acid (PFODA)	U		0.62	4.8	ng/L	1	8/10/2023 14:16
Perfluorooctanesulfonamide (PFOSA)	U		0.68	4.8	ng/L	1	8/10/2023 14:16
Perfluorooctanesulfonic Acid (PFOS)	U		0.86	1.9	ng/L	1	8/10/2023 14:16
Perfluorooctanoic Acid (PFOA)	**2.0**		**0.68**	**1.9**	**ng/L**	1	8/10/2023 14:16
Perfluoropentanesulfonic Acid (PFPeS)	U		0.53	4.8	ng/L	1	8/10/2023 14:16
Perfluoropentanoic Acid (PFPeA)	**2.7**	J	**1.2**	**4.8**	**ng/L**	1	8/10/2023 14:16
Perfluorotetradecanoic Acid (PFTeA)	U		2.5	4.8	ng/L	1	8/10/2023 14:16
Perfluorotridecanoic Acid (PFTriA)	U		1.9	4.8	ng/L	1	8/10/2023 14:16
Perfluoroundecanoic Acid (PFUnA)	U		0.93	4.8	ng/L	1	8/10/2023 14:16
N-ethylperfluoro-1-octanesulfonamide	U		1.1	4.8	ng/L	1	8/10/2023 14:16
N-Ethylperfluorooctanesulfonamidoacetic Acid	U		1.5	4.8	ng/L	1	8/10/2023 14:16
N-Ethylperfluorooctanesulfonamidoethanol	U		1.0	4.8	ng/L	1	8/10/2023 14:16
N-methylperfluoro-1-octanesulfonamide	U		0.76	4.8	ng/L	1	8/10/2023 14:16

Note: See Qualifiers page for a list of qualifiers and their definitions.

Revision: 1

Client: EnviroForensics
Project: Martinos Cleaners 41st
Sample ID: 6165-MW-3S
Collection Date: 8/1/2023 12:40 PM

Work Order: 23080570
Lab ID: 23080570-03
Matrix: WATER

Analyses	Result	Qual	MDL	PQL	Units	Dilution Factor	Date Analyzed
N-Methylperfluorooctanesulfonamidoacetic Acid	U		0.62	4.8	ng/L	1	8/10/2023 14:16
N-Methylperfluorooctanesulfonamidoethanol	U		1.4	4.8	ng/L	1	8/10/2023 14:16
Hexafluoropropylene oxide dimer acid (HFPO-DA)	U		1.1	4.8	ng/L	1	8/10/2023 14:16
4,8-Dioxa-3H-perfluorononanoic Acid (DONA)	U		0.54	4.8	ng/L	1	8/10/2023 14:16
11Cl-Pf3OUdS	U		0.45	4.8	ng/L	1	8/10/2023 14:16
9Cl-PF3ONS	U		0.43	4.8	ng/L	1	8/10/2023 14:16
Surr: 13C2-FtS 4:2	*185*	S		*25-150*	*%REC*	1	8/10/2023 14:16
Surr: 13C2-FtS 6:2	*147*			*25-150*	*%REC*	1	8/10/2023 14:16
Surr: 13C2-FtS 8:2	*125*			*25-150*	*%REC*	1	8/10/2023 14:16
Surr: 13C2-PFDA	*100*			*25-150*	*%REC*	1	8/10/2023 14:16
Surr: 13C2-PFDoA	*93.6*			*25-150*	*%REC*	1	8/10/2023 14:16
Surr: 13C2-PFHxA	*111*			*25-150*	*%REC*	1	8/10/2023 14:16
Surr: 13C2-PFHxDA	*109*			*25-150*	*%REC*	1	8/10/2023 14:16
Surr: 13C2-PFTeA	*106*			*25-150*	*%REC*	1	8/10/2023 14:16
Surr: 13C2-PFUnA	*104*			*25-150*	*%REC*	1	8/10/2023 14:16
Surr: 13C3-HFPO-DA	*123*			*25-150*	*%REC*	1	8/10/2023 14:16
Surr: 13C3-PFBS	*125*			*25-150*	*%REC*	1	8/10/2023 14:16
Surr: 13C4-PFBA	*102*			*25-150*	*%REC*	1	8/10/2023 14:16
Surr: 13C4-PFHpA	*131*			*25-150*	*%REC*	1	8/10/2023 14:16
Surr: 13C4-PFOA	*113*			*25-150*	*%REC*	1	8/10/2023 14:16
Surr: 13C4-PFOS	*110*			*25-150*	*%REC*	1	8/10/2023 14:16
Surr: 13C5-PFNA	*108*			*25-150*	*%REC*	1	8/10/2023 14:16
Surr: 13C5-PFPeA	*125*			*25-150*	*%REC*	1	8/10/2023 14:16
Surr: 13C8-FOSA	*107*			*10-150*	*%REC*	1	8/10/2023 14:16
Surr: 18O2-PFHxS	*109*			*25-150*	*%REC*	1	8/10/2023 14:16
Surr: d5-N-EtFOSA	*98.9*			*10-150*	*%REC*	1	8/10/2023 14:16
Surr: d5-N-EtFOSAA	*117*			*25-150*	*%REC*	1	8/10/2023 14:16
Surr: d9-N-EtFOSE	*107*			*10-150*	*%REC*	1	8/10/2023 14:16
Surr: d3-N-MeFOSA	*103*			*10-150*	*%REC*	1	8/10/2023 14:16
Surr: d3-N-MeFOSAA	*108*			*25-150*	*%REC*	1	8/10/2023 14:16
Surr: d7-N-MeFOSE	*107*			*10-150*	*%REC*	1	8/10/2023 14:16
VOLATILE ORGANIC COMPOUNDS		Method: **SW8260D**					Analyst: **NAD**
1,1,1-Trichloroethane	U		0.46	1.5	µg/L	1	8/10/2023 04:41
1,1,2,2-Tetrachloroethane	U		0.40	1.3	µg/L	1	8/10/2023 04:41
1,1,2-Trichloroethane	U		0.46	1.5	µg/L	1	8/10/2023 04:41

Note: See Qualifiers page for a list of qualifiers and their definitions.

Revision: 1

Client: EnviroForensics
Project: Martinos Cleaners 41st
Sample ID: 6165-MW-3S
Collection Date: 8/1/2023 12:40 PM

Work Order: 23080570
Lab ID: 23080570-03
Matrix: WATER

Analyses	Result	Qual	MDL	PQL	Units	Dilution Factor	Date Analyzed
1,1,2-Trichlorotrifluoroethane	U		0.52	1.7	µg/L	1	8/10/2023 04:41
1,1-Dichloroethane	U		0.44	1.5	µg/L	1	8/10/2023 04:41
1,1-Dichloroethene	**0.67**	J	**0.40**	**1.4**	**µg/L**	1	8/10/2023 04:41
1,2,3-Trichlorobenzene	U		0.42	1.4	µg/L	1	8/10/2023 04:41
1,2,3-Trichloropropane	U		0.40	1.3	µg/L	1	8/10/2023 04:41
1,2,4-Trichlorobenzene	U		0.45	1.5	µg/L	1	8/10/2023 04:41
1,2,4-Trimethylbenzene	U		0.45	1.5	µg/L	1	8/10/2023 04:41
1,2-Dibromo-3-chloropropane	U		0.43	1.4	µg/L	1	8/10/2023 04:41
1,2-Dibromoethane	U		0.41	1.4	µg/L	1	8/10/2023 04:41
1,2-Dichlorobenzene	U		0.32	1.1	µg/L	1	8/10/2023 04:41
1,2-Dichloroethane	U		0.44	1.4	µg/L	1	8/10/2023 04:41
1,2-Dichloropropane	U		0.48	1.6	µg/L	1	8/10/2023 04:41
1,3,5-Trimethylbenzene	U		0.65	2.2	µg/L	1	8/10/2023 04:41
1,3-Dichlorobenzene	U		0.33	1.1	µg/L	1	8/10/2023 04:41
1,4-Dichlorobenzene	U		0.35	1.2	µg/L	1	8/10/2023 04:41
2-Butanone	U		0.52	1.7	µg/L	1	8/10/2023 04:41
2-Hexanone	U		0.59	2.0	µg/L	1	8/10/2023 04:41
4-Methyl-2-pentanone	U		0.52	1.7	µg/L	1	8/10/2023 04:41
Acetone	U		6.2	21	µg/L	1	8/10/2023 04:41
Benzene	U		0.46	1.5	µg/L	1	8/10/2023 04:41
Bromochloromethane	U		0.45	1.5	µg/L	1	8/10/2023 04:41
Bromodichloromethane	U		0.49	1.6	µg/L	1	8/10/2023 04:41
Bromoform	U		0.56	1.9	µg/L	1	8/10/2023 04:41
Bromomethane	U		0.90	3.0	µg/L	1	8/10/2023 04:41
Carbon disulfide	U		0.49	1.6	µg/L	1	8/10/2023 04:41
Carbon tetrachloride	U		0.40	1.4	µg/L	1	8/10/2023 04:41
Chlorobenzene	U		0.40	1.3	µg/L	1	8/10/2023 04:41
Chloroethane	U		0.68	2.3	µg/L	1	8/10/2023 04:41
Chloroform	U		0.46	1.5	µg/L	1	8/10/2023 04:41
Chloromethane	U		0.83	2.8	µg/L	1	8/10/2023 04:41
cis-1,2-Dichloroethene	**240**		**2.1**	**6.9**	**µg/L**	5	8/9/2023 02:17
cis-1,3-Dichloropropene	U		0.57	1.9	µg/L	1	8/10/2023 04:41
Cyclohexane	U		0.63	2.1	µg/L	1	8/10/2023 04:41
Dibromochloromethane	U		0.40	1.3	µg/L	1	8/10/2023 04:41
Dichlorodifluoromethane	U		0.68	2.3	µg/L	1	8/10/2023 04:41
Ethylbenzene	U		0.34	1.1	µg/L	1	8/10/2023 04:41
Isopropylbenzene	U		0.35	1.2	µg/L	1	8/10/2023 04:41
m,p-Xylene	U		0.81	2.7	µg/L	1	8/10/2023 04:41
Methyl acetate	U		0.59	2.0	µg/L	1	8/10/2023 04:41
Methyl tert-butyl ether	U		0.45	1.5	µg/L	1	8/10/2023 04:41

Note: See Qualifiers page for a list of qualifiers and their definitions.

Revision: 1

Client: EnviroForensics
Project: Martinos Cleaners 41st
Sample ID: 6165-MW-3S
Collection Date: 8/1/2023 12:40 PM

Work Order: 23080570
Lab ID: 23080570-03
Matrix: WATER

Analyses	Result	Qual	MDL	PQL	Units	Dilution Factor	Date Analyzed
Methylcyclohexane	U		0.35	1.2	µg/L	1	8/10/2023 04:41
Methylene chloride	U		0.86	2.9	µg/L	1	8/10/2023 04:41
Naphthalene	U		0.77	2.6	µg/L	1	8/10/2023 04:41
n-Propylbenzene	U		0.48	1.6	µg/L	1	8/10/2023 04:41
o-Xylene	U		0.31	1.0	µg/L	1	8/10/2023 04:41
p-Isopropyltoluene	U		0.26	0.88	µg/L	1	8/10/2023 04:41
sec-Butylbenzene	U		0.30	1.0	µg/L	1	8/10/2023 04:41
Styrene	U		0.33	1.1	µg/L	1	8/10/2023 04:41
Tetrachloroethene	**170**		**2.0**	**6.6**	**µg/L**	5	8/9/2023 02:17
Toluene	U		0.45	1.5	µg/L	1	8/10/2023 04:41
trans-1,2-Dichloroethene	**1.5**	J	**0.48**	**1.6**	**µg/L**	1	8/10/2023 04:41
trans-1,3-Dichloropropene	U		0.38	2.7	µg/L	1	8/10/2023 04:41
Trichloroethene	**250**		**2.2**	**7.2**	**µg/L**	5	8/9/2023 02:17
Trichlorofluoromethane	U		0.52	1.7	µg/L	1	8/10/2023 04:41
Vinyl chloride	**3.6**		**0.53**	**1.8**	**µg/L**	1	8/10/2023 04:41
Xylenes, Total	U		0.81	4.4	µg/L	1	8/10/2023 04:41
Surr: 1,2-Dichloroethane-d4	*102*			*80-120*	*%REC*	5	8/9/2023 02:17
Surr: 1,2-Dichloroethane-d4	*99.2*			*80-120*	*%REC*	1	8/10/2023 04:41
Surr: 4-Bromofluorobenzene	*96.3*			*80-120*	*%REC*	5	8/9/2023 02:17
Surr: 4-Bromofluorobenzene	*102*			*80-120*	*%REC*	1	8/10/2023 04:41
Surr: Dibromofluoromethane	*94.8*			*80-120*	*%REC*	5	8/9/2023 02:17
Surr: Dibromofluoromethane	*103*			*80-120*	*%REC*	1	8/10/2023 04:41
Surr: Toluene-d8	*99.2*			*80-120*	*%REC*	5	8/9/2023 02:17
Surr: Toluene-d8	*102*			*80-120*	*%REC*	1	8/10/2023 04:41

Note: See Qualifiers page for a list of qualifiers and their definitions.

Revision: 1

Client: EnviroForensics
Project: Martinos Cleaners 41st
Sample ID: 6165-MW-4
Collection Date: 8/2/2023 03:12 PM

Work Order: 23080570
Lab ID: 23080570-04
Matrix: WATER

Analyses	Result	Qual	MDL	PQL	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS		Method: **SW8260D**					Analyst: **NAD**
1,1,1-Trichloroethane	U		0.46	1.5	µg/L	1	8/10/2023 14:29
1,1,2,2-Tetrachloroethane	U		0.40	1.3	µg/L	1	8/10/2023 14:29
1,1,2-Trichloroethane	U		0.46	1.5	µg/L	1	8/10/2023 14:29
1,1,2-Trichlorotrifluoroethane	U		0.52	1.7	µg/L	1	8/10/2023 14:29
1,1-Dichloroethane	U		0.44	1.5	µg/L	1	8/10/2023 14:29
1,1-Dichloroethene	U		0.40	1.4	µg/L	1	8/10/2023 14:29
1,2,3-Trichlorobenzene	U		0.42	1.4	µg/L	1	8/10/2023 14:29
1,2,3-Trichloropropane	U		0.40	1.3	µg/L	1	8/10/2023 14:29
1,2,4-Trichlorobenzene	U		0.45	1.5	µg/L	1	8/10/2023 14:29
1,2,4-Trimethylbenzene	U		0.45	1.5	µg/L	1	8/10/2023 14:29
1,2-Dibromo-3-chloropropane	U		0.43	1.4	µg/L	1	8/10/2023 14:29
1,2-Dibromoethane	U		0.41	1.4	µg/L	1	8/10/2023 14:29
1,2-Dichlorobenzene	U		0.32	1.1	µg/L	1	8/10/2023 14:29
1,2-Dichloroethane	U		0.44	1.4	µg/L	1	8/10/2023 14:29
1,2-Dichloropropane	U		0.48	1.6	µg/L	1	8/10/2023 14:29
1,3,5-Trimethylbenzene	U		0.65	2.2	µg/L	1	8/10/2023 14:29
1,3-Dichlorobenzene	U		0.33	1.1	µg/L	1	8/10/2023 14:29
1,4-Dichlorobenzene	U		0.35	1.2	µg/L	1	8/10/2023 14:29
2-Butanone	U		0.52	1.7	µg/L	1	8/10/2023 14:29
2-Hexanone	U		0.59	2.0	µg/L	1	8/10/2023 14:29
4-Methyl-2-pentanone	U		0.52	1.7	µg/L	1	8/10/2023 14:29
Acetone	U		6.2	21	µg/L	1	8/10/2023 14:29
Benzene	**6.8**		**0.46**	**1.5**	**µg/L**	1	8/10/2023 14:29
Bromochloromethane	U		0.45	1.5	µg/L	1	8/10/2023 14:29
Bromodichloromethane	U		0.49	1.6	µg/L	1	8/10/2023 14:29
Bromoform	U		0.56	1.9	µg/L	1	8/10/2023 14:29
Bromomethane	U		0.90	3.0	µg/L	1	8/10/2023 14:29
Carbon disulfide	U		0.49	1.6	µg/L	1	8/10/2023 14:29
Carbon tetrachloride	U		0.40	1.4	µg/L	1	8/10/2023 14:29
Chlorobenzene	U		0.40	1.3	µg/L	1	8/10/2023 14:29
Chloroethane	U		0.68	2.3	µg/L	1	8/10/2023 14:29
Chloroform	U		0.46	1.5	µg/L	1	8/10/2023 14:29
Chloromethane	U		0.83	2.8	µg/L	1	8/10/2023 14:29
cis-1,2-Dichloroethene	U		0.42	1.4	µg/L	1	8/10/2023 14:29
cis-1,3-Dichloropropene	U		0.57	1.9	µg/L	1	8/10/2023 14:29
Cyclohexane	**1.6**	J	**0.63**	**2.1**	**µg/L**	1	8/10/2023 14:29
Dibromochloromethane	U		0.40	1.3	µg/L	1	8/10/2023 14:29
Dichlorodifluoromethane	U		0.68	2.3	µg/L	1	8/10/2023 14:29

Note: See Qualifiers page for a list of qualifiers and their definitions.

Revision: 1

Client: EnviroForensics
Project: Martinos Cleaners 41st
Sample ID: 6165-MW-4
Collection Date: 8/2/2023 03:12 PM

Work Order: 23080570
Lab ID: 23080570-04
Matrix: WATER

Analyses	Result	Qual	MDL	PQL	Units	Dilution Factor	Date Analyzed
Ethylbenzene	U		0.34	1.1	µg/L	1	8/10/2023 14:29
Isopropylbenzene	U		0.35	1.2	µg/L	1	8/10/2023 14:29
m,p-Xylene	U		0.81	2.7	µg/L	1	8/10/2023 14:29
Methyl acetate	U		0.59	2.0	µg/L	1	8/10/2023 14:29
Methyl tert-butyl ether	U		0.45	1.5	µg/L	1	8/10/2023 14:29
Methylcyclohexane	U		0.35	1.2	µg/L	1	8/10/2023 14:29
Methylene chloride	U		0.86	2.9	µg/L	1	8/10/2023 14:29
Naphthalene	U		0.77	2.6	µg/L	1	8/10/2023 14:29
n-Propylbenzene	U		0.48	1.6	µg/L	1	8/10/2023 14:29
o-Xylene	U		0.31	1.0	µg/L	1	8/10/2023 14:29
p-Isopropyltoluene	U		0.26	0.88	µg/L	1	8/10/2023 14:29
sec-Butylbenzene	U		0.30	1.0	µg/L	1	8/10/2023 14:29
Styrene	U		0.33	1.1	µg/L	1	8/10/2023 14:29
Tetrachloroethene	U		0.39	1.3	µg/L	1	8/10/2023 14:29
Toluene	U		0.45	1.5	µg/L	1	8/10/2023 14:29
trans-1,2-Dichloroethene	U		0.48	1.6	µg/L	1	8/10/2023 14:29
trans-1,3-Dichloropropene	U		0.38	2.7	µg/L	1	8/10/2023 14:29
Trichloroethene	U		0.43	1.4	µg/L	1	8/10/2023 14:29
Trichlorofluoromethane	U		0.52	1.7	µg/L	1	8/10/2023 14:29
Vinyl chloride	U		0.53	1.8	µg/L	1	8/10/2023 14:29
Xylenes, Total	U		0.81	4.4	µg/L	1	8/10/2023 14:29
Surr: 1,2-Dichloroethane-d4	*102*			*80-120*	*%REC*	1	8/10/2023 14:29
Surr: 4-Bromofluorobenzene	*106*			*80-120*	*%REC*	1	8/10/2023 14:29
Surr: Dibromofluoromethane	*107*			*80-120*	*%REC*	1	8/10/2023 14:29
Surr: Toluene-d8	*103*			*80-120*	*%REC*	1	8/10/2023 14:29

Note: See Qualifiers page for a list of qualifiers and their definitions.

Revision: 1

Client: EnviroForensics
Project: Martinos Cleaners 41st
Sample ID: 6165-MW-5
Collection Date: 8/1/2023 03:44 PM

Work Order: 23080570
Lab ID: 23080570-05
Matrix: WATER

Analyses	Result	Qual	MDL	PQL	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS		Method: **SW8260D**					Analyst: **NAD**
1,1,1-Trichloroethane	U		0.46	1.5	µg/L	1	8/10/2023 01:00
1,1,2,2-Tetrachloroethane	U		0.40	1.3	µg/L	1	8/10/2023 01:00
1,1,2-Trichloroethane	U		0.46	1.5	µg/L	1	8/10/2023 01:00
1,1,2-Trichlorotrifluoroethane	U		0.52	1.7	µg/L	1	8/10/2023 01:00
1,1-Dichloroethane	U		0.44	1.5	µg/L	1	8/10/2023 01:00
1,1-Dichloroethene	U		0.40	1.4	µg/L	1	8/10/2023 01:00
1,2,3-Trichlorobenzene	U		0.42	1.4	µg/L	1	8/10/2023 01:00
1,2,3-Trichloropropane	U		0.40	1.3	µg/L	1	8/10/2023 01:00
1,2,4-Trichlorobenzene	U		0.45	1.5	µg/L	1	8/10/2023 01:00
1,2,4-Trimethylbenzene	U		0.45	1.5	µg/L	1	8/10/2023 01:00
1,2-Dibromo-3-chloropropane	U		0.43	1.4	µg/L	1	8/10/2023 01:00
1,2-Dibromoethane	U		0.41	1.4	µg/L	1	8/10/2023 01:00
1,2-Dichlorobenzene	U		0.32	1.1	µg/L	1	8/10/2023 01:00
1,2-Dichloroethane	U		0.44	1.4	µg/L	1	8/10/2023 01:00
1,2-Dichloropropane	U		0.48	1.6	µg/L	1	8/10/2023 01:00
1,3,5-Trimethylbenzene	U		0.65	2.2	µg/L	1	8/10/2023 01:00
1,3-Dichlorobenzene	U		0.33	1.1	µg/L	1	8/10/2023 01:00
1,4-Dichlorobenzene	U		0.35	1.2	µg/L	1	8/10/2023 01:00
2-Butanone	U		0.52	1.7	µg/L	1	8/10/2023 01:00
2-Hexanone	U		0.59	2.0	µg/L	1	8/10/2023 01:00
4-Methyl-2-pentanone	U		0.52	1.7	µg/L	1	8/10/2023 01:00
Acetone	U		6.2	21	µg/L	1	8/10/2023 01:00
Benzene	U		0.46	1.5	µg/L	1	8/10/2023 01:00
Bromochloromethane	U		0.45	1.5	µg/L	1	8/10/2023 01:00
Bromodichloromethane	U		0.49	1.6	µg/L	1	8/10/2023 01:00
Bromoform	U		0.56	1.9	µg/L	1	8/10/2023 01:00
Bromomethane	U		0.90	3.0	µg/L	1	8/10/2023 01:00
Carbon disulfide	U		0.49	1.6	µg/L	1	8/10/2023 01:00
Carbon tetrachloride	U		0.40	1.4	µg/L	1	8/10/2023 01:00
Chlorobenzene	U		0.40	1.3	µg/L	1	8/10/2023 01:00
Chloroethane	U		0.68	2.3	µg/L	1	8/10/2023 01:00
Chloroform	U		0.46	1.5	µg/L	1	8/10/2023 01:00
Chloromethane	U		0.83	2.8	µg/L	1	8/10/2023 01:00
cis-1,2-Dichloroethene	U		0.42	1.4	µg/L	1	8/10/2023 01:00
cis-1,3-Dichloropropene	U		0.57	1.9	µg/L	1	8/10/2023 01:00
Cyclohexane	U		0.63	2.1	µg/L	1	8/10/2023 01:00
Dibromochloromethane	U		0.40	1.3	µg/L	1	8/10/2023 01:00
Dichlorodifluoromethane	U		0.68	2.3	µg/L	1	8/10/2023 01:00

Note: See Qualifiers page for a list of qualifiers and their definitions.

Revision: 1

Client: EnviroForensics
Project: Martinos Cleaners 41st
Sample ID: 6165-MW-5
Collection Date: 8/1/2023 03:44 PM

Work Order: 23080570
Lab ID: 23080570-05
Matrix: WATER

Analyses	Result	Qual	MDL	PQL	Units	Dilution Factor	Date Analyzed
Ethylbenzene	U		0.34	1.1	µg/L	1	8/10/2023 01:00
Isopropylbenzene	U		0.35	1.2	µg/L	1	8/10/2023 01:00
m,p-Xylene	U		0.81	2.7	µg/L	1	8/10/2023 01:00
Methyl acetate	U		0.59	2.0	µg/L	1	8/10/2023 01:00
Methyl tert-butyl ether	U		0.45	1.5	µg/L	1	8/10/2023 01:00
Methylcyclohexane	U		0.35	1.2	µg/L	1	8/10/2023 01:00
Methylene chloride	U		0.86	2.9	µg/L	1	8/10/2023 01:00
Naphthalene	U		0.77	2.6	µg/L	1	8/10/2023 01:00
n-Propylbenzene	U		0.48	1.6	µg/L	1	8/10/2023 01:00
o-Xylene	U		0.31	1.0	µg/L	1	8/10/2023 01:00
p-Isopropyltoluene	U		0.26	0.88	µg/L	1	8/10/2023 01:00
sec-Butylbenzene	U		0.30	1.0	µg/L	1	8/10/2023 01:00
Styrene	U		0.33	1.1	µg/L	1	8/10/2023 01:00
Tetrachloroethene	U		0.39	1.3	µg/L	1	8/10/2023 01:00
Toluene	U		0.45	1.5	µg/L	1	8/10/2023 01:00
trans-1,2-Dichloroethene	U		0.48	1.6	µg/L	1	8/10/2023 01:00
trans-1,3-Dichloropropene	U		0.38	2.7	µg/L	1	8/10/2023 01:00
Trichloroethene	U		0.43	1.4	µg/L	1	8/10/2023 01:00
Trichlorofluoromethane	U		0.52	1.7	µg/L	1	8/10/2023 01:00
Vinyl chloride	U		0.53	1.8	µg/L	1	8/10/2023 01:00
Xylenes, Total	U		0.81	4.4	µg/L	1	8/10/2023 01:00
Surr: 1,2-Dichloroethane-d4	*102*			*80-120*	*%REC*	1	8/10/2023 01:00
Surr: 4-Bromofluorobenzene	*103*			*80-120*	*%REC*	1	8/10/2023 01:00
Surr: Dibromofluoromethane	*103*			*80-120*	*%REC*	1	8/10/2023 01:00
Surr: Toluene-d8	*101*			*80-120*	*%REC*	1	8/10/2023 01:00

Note: See Qualifiers page for a list of qualifiers and their definitions.

Revision: 1

Client: EnviroForensics
Project: Martinos Cleaners 41st
Sample ID: 6165-MW-6
Collection Date: 8/3/2023 11:32 AM

Work Order: 23080570
Lab ID: 23080570-06
Matrix: WATER

Analyses	Result	Qual	MDL	PQL	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS		Method: **SW8260D**					Analyst: **NAD**
1,1,1-Trichloroethane	U		0.46	1.5	µg/L	1	8/10/2023 03:46
1,1,2,2-Tetrachloroethane	U		0.40	1.3	µg/L	1	8/10/2023 03:46
1,1,2-Trichloroethane	U		0.46	1.5	µg/L	1	8/10/2023 03:46
1,1,2-Trichlorotrifluoroethane	U		0.52	1.7	µg/L	1	8/10/2023 03:46
1,1-Dichloroethane	U		0.44	1.5	µg/L	1	8/10/2023 03:46
1,1-Dichloroethene	**1.7**		**0.40**	**1.4**	**µg/L**	1	8/10/2023 03:46
1,2,3-Trichlorobenzene	U		0.42	1.4	µg/L	1	8/10/2023 03:46
1,2,3-Trichloropropane	U		0.40	1.3	µg/L	1	8/10/2023 03:46
1,2,4-Trichlorobenzene	U		0.45	1.5	µg/L	1	8/10/2023 03:46
1,2,4-Trimethylbenzene	U		0.45	1.5	µg/L	1	8/10/2023 03:46
1,2-Dibromo-3-chloropropane	U		0.43	1.4	µg/L	1	8/10/2023 03:46
1,2-Dibromoethane	U		0.41	1.4	µg/L	1	8/10/2023 03:46
1,2-Dichlorobenzene	U		0.32	1.1	µg/L	1	8/10/2023 03:46
1,2-Dichloroethane	U		0.44	1.4	µg/L	1	8/10/2023 03:46
1,2-Dichloropropane	U		0.48	1.6	µg/L	1	8/10/2023 03:46
1,3,5-Trimethylbenzene	U		0.65	2.2	µg/L	1	8/10/2023 03:46
1,3-Dichlorobenzene	U		0.33	1.1	µg/L	1	8/10/2023 03:46
1,4-Dichlorobenzene	U		0.35	1.2	µg/L	1	8/10/2023 03:46
2-Butanone	U		0.52	1.7	µg/L	1	8/10/2023 03:46
2-Hexanone	U		0.59	2.0	µg/L	1	8/10/2023 03:46
4-Methyl-2-pentanone	U		0.52	1.7	µg/L	1	8/10/2023 03:46
Acetone	U		6.2	21	µg/L	1	8/10/2023 03:46
Benzene	U		0.46	1.5	µg/L	1	8/10/2023 03:46
Bromochloromethane	U		0.45	1.5	µg/L	1	8/10/2023 03:46
Bromodichloromethane	U		0.49	1.6	µg/L	1	8/10/2023 03:46
Bromoform	U		0.56	1.9	µg/L	1	8/10/2023 03:46
Bromomethane	U		0.90	3.0	µg/L	1	8/10/2023 03:46
Carbon disulfide	U		0.49	1.6	µg/L	1	8/10/2023 03:46
Carbon tetrachloride	U		0.40	1.4	µg/L	1	8/10/2023 03:46
Chlorobenzene	U		0.40	1.3	µg/L	1	8/10/2023 03:46
Chloroethane	U		0.68	2.3	µg/L	1	8/10/2023 03:46
Chloroform	U		0.46	1.5	µg/L	1	8/10/2023 03:46
Chloromethane	U		0.83	2.8	µg/L	1	8/10/2023 03:46
cis-1,2-Dichloroethene	**180**		**4.2**	**14**	**µg/L**	10	8/10/2023 15:25
cis-1,3-Dichloropropene	U		0.57	1.9	µg/L	1	8/10/2023 03:46
Cyclohexane	U		0.63	2.1	µg/L	1	8/10/2023 03:46
Dibromochloromethane	U		0.40	1.3	µg/L	1	8/10/2023 03:46
Dichlorodifluoromethane	U		0.68	2.3	µg/L	1	8/10/2023 03:46

Note: See Qualifiers page for a list of qualifiers and their definitions.

Revision: 1

Client: EnviroForensics
Project: Martinos Cleaners 41st
Sample ID: 6165-MW-6
Collection Date: 8/3/2023 11:32 AM

Work Order: 23080570
Lab ID: 23080570-06
Matrix: WATER

Analyses	Result	Qual	MDL	PQL	Units	Dilution Factor	Date Analyzed
Ethylbenzene	U		0.34	1.1	µg/L	1	8/10/2023 03:46
Isopropylbenzene	U		0.35	1.2	µg/L	1	8/10/2023 03:46
m,p-Xylene	U		0.81	2.7	µg/L	1	8/10/2023 03:46
Methyl acetate	U		0.59	2.0	µg/L	1	8/10/2023 03:46
Methyl tert-butyl ether	U		0.45	1.5	µg/L	1	8/10/2023 03:46
Methylcyclohexane	U		0.35	1.2	µg/L	1	8/10/2023 03:46
Methylene chloride	U		0.86	2.9	µg/L	1	8/10/2023 03:46
Naphthalene	U		0.77	2.6	µg/L	1	8/10/2023 03:46
n-Propylbenzene	U		0.48	1.6	µg/L	1	8/10/2023 03:46
o-Xylene	U		0.31	1.0	µg/L	1	8/10/2023 03:46
p-Isopropyltoluene	U		0.26	0.88	µg/L	1	8/10/2023 03:46
sec-Butylbenzene	U		0.30	1.0	µg/L	1	8/10/2023 03:46
Styrene	U		0.33	1.1	µg/L	1	8/10/2023 03:46
Tetrachloroethene	**76**		**0.39**	**1.3**	**µg/L**	1	8/10/2023 03:46
Toluene	U		0.45	1.5	µg/L	1	8/10/2023 03:46
trans-1,2-Dichloroethene	**67**		**0.48**	**1.6**	**µg/L**	1	8/10/2023 03:46
trans-1,3-Dichloropropene	U		0.38	2.7	µg/L	1	8/10/2023 03:46
Trichloroethene	**80**		**0.43**	**1.4**	**µg/L**	1	8/10/2023 03:46
Trichlorofluoromethane	U		0.52	1.7	µg/L	1	8/10/2023 03:46
Vinyl chloride	**12**		**0.53**	**1.8**	**µg/L**	1	8/10/2023 03:46
Xylenes, Total	U		0.81	4.4	µg/L	1	8/10/2023 03:46
Surr: 1,2-Dichloroethane-d4	*99.2*			*80-120*	*%REC*	1	8/10/2023 03:46
Surr: 1,2-Dichloroethane-d4	*103*			*80-120*	*%REC*	10	8/10/2023 15:25
Surr: 4-Bromofluorobenzene	*104*			*80-120*	*%REC*	1	8/10/2023 03:46
Surr: 4-Bromofluorobenzene	*102*			*80-120*	*%REC*	10	8/10/2023 15:25
Surr: Dibromofluoromethane	*105*			*80-120*	*%REC*	1	8/10/2023 03:46
Surr: Dibromofluoromethane	*103*			*80-120*	*%REC*	10	8/10/2023 15:25
Surr: Toluene-d8	*101*			*80-120*	*%REC*	1	8/10/2023 03:46
Surr: Toluene-d8	*98.7*			*80-120*	*%REC*	10	8/10/2023 15:25

Note: See Qualifiers page for a list of qualifiers and their definitions.

Revision: 1

Client: EnviroForensics
Project: Martinos Cleaners 41st
Sample ID: 6165-MW-7
Collection Date: 8/2/2023 01:59 PM

Work Order: 23080570
Lab ID: 23080570-07
Matrix: WATER

Analyses	Result	Qual	MDL	PQL	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS		Method: **SW8260D**					Analyst: **NAD**
1,1,1-Trichloroethane	U		0.46	1.5	µg/L	1	8/10/2023 04:59
1,1,2,2-Tetrachloroethane	U		0.40	1.3	µg/L	1	8/10/2023 04:59
1,1,2-Trichloroethane	U		0.46	1.5	µg/L	1	8/10/2023 04:59
1,1,2-Trichlorotrifluoroethane	U		0.52	1.7	µg/L	1	8/10/2023 04:59
1,1-Dichloroethane	U		0.44	1.5	µg/L	1	8/10/2023 04:59
1,1-Dichloroethene	U		0.40	1.4	µg/L	1	8/10/2023 04:59
1,2,3-Trichlorobenzene	U		0.42	1.4	µg/L	1	8/10/2023 04:59
1,2,3-Trichloropropane	U		0.40	1.3	µg/L	1	8/10/2023 04:59
1,2,4-Trichlorobenzene	U		0.45	1.5	µg/L	1	8/10/2023 04:59
1,2,4-Trimethylbenzene	**56**		**0.45**	**1.5**	**µg/L**	1	8/10/2023 04:59
1,2-Dibromo-3-chloropropane	U		0.43	1.4	µg/L	1	8/10/2023 04:59
1,2-Dibromoethane	U		0.41	1.4	µg/L	1	8/10/2023 04:59
1,2-Dichlorobenzene	U		0.32	1.1	µg/L	1	8/10/2023 04:59
1,2-Dichloroethane	U		0.44	1.4	µg/L	1	8/10/2023 04:59
1,2-Dichloropropane	U		0.48	1.6	µg/L	1	8/10/2023 04:59
1,3,5-Trimethylbenzene	**4.0**		**0.65**	**2.2**	**µg/L**	1	8/10/2023 04:59
1,3-Dichlorobenzene	U		0.33	1.1	µg/L	1	8/10/2023 04:59
1,4-Dichlorobenzene	U		0.35	1.2	µg/L	1	8/10/2023 04:59
2-Butanone	U		0.52	1.7	µg/L	1	8/10/2023 04:59
2-Hexanone	U		0.59	2.0	µg/L	1	8/10/2023 04:59
4-Methyl-2-pentanone	U		0.52	1.7	µg/L	1	8/10/2023 04:59
Acetone	**36**		**6.2**	**21**	**µg/L**	1	8/10/2023 04:59
Benzene	**5.7**		**0.46**	**1.5**	**µg/L**	1	8/10/2023 04:59
Bromochloromethane	U		0.45	1.5	µg/L	1	8/10/2023 04:59
Bromodichloromethane	U		0.49	1.6	µg/L	1	8/10/2023 04:59
Bromoform	U		0.56	1.9	µg/L	1	8/10/2023 04:59
Bromomethane	U		0.90	3.0	µg/L	1	8/10/2023 04:59
Carbon disulfide	U		0.49	1.6	µg/L	1	8/10/2023 04:59
Carbon tetrachloride	U		0.40	1.4	µg/L	1	8/10/2023 04:59
Chlorobenzene	U		0.40	1.3	µg/L	1	8/10/2023 04:59
Chloroethane	U		0.68	2.3	µg/L	1	8/10/2023 04:59
Chloroform	U		0.46	1.5	µg/L	1	8/10/2023 04:59
Chloromethane	U		0.83	2.8	µg/L	1	8/10/2023 04:59
cis-1,2-Dichloroethene	**21**		**0.42**	**1.4**	**µg/L**	1	8/10/2023 04:59
cis-1,3-Dichloropropene	U		0.57	1.9	µg/L	1	8/10/2023 04:59
Cyclohexane	**56**		**0.63**	**2.1**	**µg/L**	1	8/10/2023 04:59
Dibromochloromethane	U		0.40	1.3	µg/L	1	8/10/2023 04:59
Dichlorodifluoromethane	U		0.68	2.3	µg/L	1	8/10/2023 04:59

Note: See Qualifiers page for a list of qualifiers and their definitions.

Revision: 1

Client: EnviroForensics
Project: Martinos Cleaners 41st
Sample ID: 6165-MW-7
Collection Date: 8/2/2023 01:59 PM

Work Order: 23080570
Lab ID: 23080570-07
Matrix: WATER

Analyses	Result	Qual	MDL	PQL	Units	Dilution Factor	Date Analyzed
Ethylbenzene	**74**		**0.34**	**1.1**	**µg/L**	1	8/10/2023 04:59
Isopropylbenzene	**80**		**1.8**	**5.8**	**µg/L**	5	8/9/2023 02:41
m,p-Xylene	**46**		**0.81**	**2.7**	**µg/L**	1	8/10/2023 04:59
Methyl acetate	U		0.59	2.0	µg/L	1	8/10/2023 04:59
Methyl tert-butyl ether	U		0.45	1.5	µg/L	1	8/10/2023 04:59
Methylcyclohexane	**9.1**		**0.35**	**1.2**	**µg/L**	1	8/10/2023 04:59
Methylene chloride	U		0.86	2.9	µg/L	1	8/10/2023 04:59
Naphthalene	**23**		**0.77**	**2.6**	**µg/L**	1	8/10/2023 04:59
n-Propylbenzene	**88**		**0.48**	**1.6**	**µg/L**	1	8/10/2023 04:59
o-Xylene	**3.6**		**0.31**	**1.0**	**µg/L**	1	8/10/2023 04:59
p-Isopropyltoluene	**0.96**		**0.26**	**0.88**	**µg/L**	1	8/10/2023 04:59
sec-Butylbenzene	**2.8**		**0.30**	**1.0**	**µg/L**	1	8/10/2023 04:59
Styrene	U		0.33	1.1	µg/L	1	8/10/2023 04:59
Tetrachloroethene	**1.5**		**0.39**	**1.3**	**µg/L**	1	8/10/2023 04:59
Toluene	**2.9**		**0.45**	**1.5**	**µg/L**	1	8/10/2023 04:59
trans-1,2-Dichloroethene	**4.6**		**0.48**	**1.6**	**µg/L**	1	8/10/2023 04:59
trans-1,3-Dichloropropene	U		0.38	2.7	µg/L	1	8/10/2023 04:59
Trichloroethene	U		0.43	1.4	µg/L	1	8/10/2023 04:59
Trichlorofluoromethane	U		0.52	1.7	µg/L	1	8/10/2023 04:59
Vinyl chloride	**11**		**0.53**	**1.8**	**µg/L**	1	8/10/2023 04:59
Xylenes, Total	**50**		**0.81**	**4.4**	**µg/L**	1	8/10/2023 04:59
Surr: 1,2-Dichloroethane-d4	*99.6*			*80-120*	*%REC*	5	8/9/2023 02:41
Surr: 1,2-Dichloroethane-d4	*105*			*80-120*	*%REC*	1	8/10/2023 04:59
Surr: 4-Bromofluorobenzene	*99.4*			*80-120*	*%REC*	5	8/9/2023 02:41
Surr: 4-Bromofluorobenzene	*97.2*			*80-120*	*%REC*	1	8/10/2023 04:59
Surr: Dibromofluoromethane	*90.9*			*80-120*	*%REC*	5	8/9/2023 02:41
Surr: Dibromofluoromethane	*109*			*80-120*	*%REC*	1	8/10/2023 04:59
Surr: Toluene-d8	*106*			*80-120*	*%REC*	5	8/9/2023 02:41
Surr: Toluene-d8	*99.8*			*80-120*	*%REC*	1	8/10/2023 04:59

Note: See Qualifiers page for a list of qualifiers and their definitions.

Revision: 1

Client: EnviroForensics
Project: Martinos Cleaners 41st
Sample ID: 6165-MW-8
Collection Date: 8/1/2023 11:45 AM

Work Order: 23080570
Lab ID: 23080570-08
Matrix: WATER

Analyses	Result	Qual	MDL	PQL	Units	Dilution Factor	Date Analyzed
WISCONSIN PFAS BY ISOTOPIC DILUTION		Method: **E537 MOD**					Analyst: **MNM**
Fluorotelomer Sulphonic Acid 4:2 (FtS 4:2)	U		0.96	5.1	ng/L	1	8/10/2023 14:30
Fluorotelomer Sulphonic Acid 6:2 (FtS 6:2)	U		2.0	5.1	ng/L	1	8/9/2023 22:19
Fluorotelomer Sulphonic Acid 8:2 (FtS 8:2)	U		1.2	5.1	ng/L	1	8/9/2023 22:19
Fluorotelomer Sulphonic Acid 10:2 (FtS 10:2)	U		2.4	5.1	ng/L	1	8/9/2023 22:19
Perfluorobutanesulfonic Acid (PFBS)	**3.0**	J	**0.36**	**5.1**	**ng/L**	1	8/9/2023 22:19
Perfluorobutanoic Acid (PFBA)	**6.5**		**2.7**	**5.1**	**ng/L**	1	8/9/2023 22:19
Perfluorodecanesulfonic Acid (PFDS)	U		1.4	5.1	ng/L	1	8/9/2023 22:19
Perfluorodecanoic Acid (PFDA)	U		1.3	5.1	ng/L	1	8/9/2023 22:19
Perfluorododecanesulfonic Acid (PFDoS)	U		0.64	5.1	ng/L	1	8/9/2023 22:19
Perfluorododecanoic Acid (PFDoA)	U		0.71	5.1	ng/L	1	8/9/2023 22:19
Perfluoroheptanesulfonic Acid (PFHpS)	U		0.58	5.1	ng/L	1	8/9/2023 22:19
Perfluoroheptanoic Acid (PFHpA)	U		1.8	5.1	ng/L	1	8/9/2023 22:19
Perfluorohexadecanoic Acid (PFHxDA)	U		1.8	5.1	ng/L	1	8/9/2023 22:19
Perfluorohexanesulfonic Acid (PFHxS)	**1.0**	J	**0.92**	**5.1**	**ng/L**	1	8/9/2023 22:19
Perfluorohexanoic Acid (PFHxA)	**3.6**	J	**1.2**	**5.1**	**ng/L**	1	8/9/2023 22:19
Perfluorononanesulfonic Acid (PFNS)	U		0.51	5.1	ng/L	1	8/9/2023 22:19
Perfluorononanoic Acid (PFNA)	U		0.89	5.1	ng/L	1	8/9/2023 22:19
Perfluorooctadecanoic Acid (PFODA)	U		0.66	5.1	ng/L	1	8/9/2023 22:19
Perfluorooctanesulfonamide (PFOSA)	U		0.73	5.1	ng/L	1	8/9/2023 22:19
Perfluorooctanesulfonic Acid (PFOS)	**0.96**	J	**0.91**	**2.0**	**ng/L**	1	8/9/2023 22:19
Perfluorooctanoic Acid (PFOA)	**2.3**		**0.72**	**2.0**	**ng/L**	1	8/9/2023 22:19
Perfluoropentanesulfonic Acid (PFPeS)	U		0.57	5.1	ng/L	1	8/9/2023 22:19
Perfluoropentanoic Acid (PFPeA)	**4.8**	J	**1.3**	**5.1**	**ng/L**	1	8/9/2023 22:19
Perfluorotetradecanoic Acid (PFTeA)	U		2.7	5.1	ng/L	1	8/9/2023 22:19
Perfluorotridecanoic Acid (PFTriA)	U		2.0	5.1	ng/L	1	8/9/2023 22:19
Perfluoroundecanoic Acid (PFUnA)	U		1.0	5.1	ng/L	1	8/9/2023 22:19
N-ethylperfluoro-1-octanesulfonamide	U		1.2	5.1	ng/L	1	8/10/2023 14:30
N-Ethylperfluorooctanesulfonamidoacetic Acid	U		1.6	5.1	ng/L	1	8/9/2023 22:19
N-Ethylperfluorooctanesulfonamidoethanol	U		1.1	5.1	ng/L	1	8/9/2023 22:19
N-methylperfluoro-1-octanesulfonamide	U		0.81	5.1	ng/L	1	8/9/2023 22:19

Note: See Qualifiers page for a list of qualifiers and their definitions.

Revision: 1

Client: EnviroForensics
Project: Martinos Cleaners 41st
Sample ID: 6165-MW-8
Collection Date: 8/1/2023 11:45 AM

Work Order: 23080570
Lab ID: 23080570-08
Matrix: WATER

Analyses	Result	Qual	MDL	PQL	Units	Dilution Factor	Date Analyzed
N-Methylperfluorooctanesulfonamidoacetic Acid	U		0.66	5.1	ng/L	1	8/9/2023 22:19
N-Methylperfluorooctanesulfonamidoethanol	U		1.5	5.1	ng/L	1	8/9/2023 22:19
Hexafluoropropylene oxide dimer acid (HFPO-DA)	U		1.2	5.1	ng/L	1	8/9/2023 22:19
4,8-Dioxa-3H-perfluorononanoic Acid (DONA)	U		0.58	5.1	ng/L	1	8/9/2023 22:19
11Cl-Pf3OUdS	U		0.48	5.1	ng/L	1	8/9/2023 22:19
9Cl-PF3ONS	U		0.46	5.1	ng/L	1	8/9/2023 22:19
Surr: 13C2-FtS 4:2	*239*	S		*25-150*	*%REC*	1	8/10/2023 14:30
Surr: 13C2-FtS 6:2	*241*	S		*25-150*	*%REC*	1	8/9/2023 22:19
Surr: 13C2-FtS 8:2	*112*			*25-150*	*%REC*	1	8/9/2023 22:19
Surr: 13C2-PFDA	*73.8*			*25-150*	*%REC*	1	8/9/2023 22:19
Surr: 13C2-PFDoA	*65.5*			*25-150*	*%REC*	1	8/9/2023 22:19
Surr: 13C2-PFHxA	*97.5*			*25-150*	*%REC*	1	8/9/2023 22:19
Surr: 13C2-PFHxDA	*85.2*			*25-150*	*%REC*	1	8/9/2023 22:19
Surr: 13C2-PFTeA	*70.6*			*25-150*	*%REC*	1	8/9/2023 22:19
Surr: 13C2-PFUnA	*73.0*			*25-150*	*%REC*	1	8/9/2023 22:19
Surr: 13C3-HFPO-DA	*112*			*25-150*	*%REC*	1	8/9/2023 22:19
Surr: 13C3-PFBS	*105*			*25-150*	*%REC*	1	8/9/2023 22:19
Surr: 13C4-PFBA	*86.7*			*25-150*	*%REC*	1	8/9/2023 22:19
Surr: 13C4-PFHpA	*120*			*25-150*	*%REC*	1	8/9/2023 22:19
Surr: 13C4-PFOA	*93.6*			*25-150*	*%REC*	1	8/9/2023 22:19
Surr: 13C4-PFOS	*75.8*			*25-150*	*%REC*	1	8/9/2023 22:19
Surr: 13C5-PFNA	*85.8*			*25-150*	*%REC*	1	8/9/2023 22:19
Surr: 13C5-PFPeA	*105*			*25-150*	*%REC*	1	8/9/2023 22:19
Surr: 13C8-FOSA	*75.7*			*10-150*	*%REC*	1	8/9/2023 22:19
Surr: 18O2-PFHxS	*96.5*			*25-150*	*%REC*	1	8/9/2023 22:19
Surr: d5-N-EtFOSA	*66.7*			*10-150*	*%REC*	1	8/10/2023 14:30
Surr: d5-N-EtFOSAA	*95.6*			*25-150*	*%REC*	1	8/9/2023 22:19
Surr: d9-N-EtFOSE	*70.1*			*10-150*	*%REC*	1	8/9/2023 22:19
Surr: d3-N-MeFOSA	*71.4*			*10-150*	*%REC*	1	8/9/2023 22:19
Surr: d3-N-MeFOSAA	*96.9*			*25-150*	*%REC*	1	8/9/2023 22:19
Surr: d7-N-MeFOSE	*72.2*			*10-150*	*%REC*	1	8/9/2023 22:19
VOLATILE ORGANIC COMPOUNDS		Method: **SW8260D**					Analyst: **NAD**
1,1,1-Trichloroethane	U		0.46	1.5	µg/L	1	8/10/2023 01:19
1,1,2,2-Tetrachloroethane	U		0.40	1.3	µg/L	1	8/10/2023 01:19
1,1,2-Trichloroethane	U		0.46	1.5	µg/L	1	8/10/2023 01:19

Note: See Qualifiers page for a list of qualifiers and their definitions.

Revision: 1

Client: EnviroForensics
Project: Martinos Cleaners 41st
Sample ID: 6165-MW-8
Collection Date: 8/1/2023 11:45 AM

Work Order: 23080570
Lab ID: 23080570-08
Matrix: WATER

Analyses	Result	Qual	MDL	PQL	Units	Dilution Factor	Date Analyzed
1,1,2-Trichlorotrifluoroethane	U		0.52	1.7	µg/L	1	8/10/2023 01:19
1,1-Dichloroethane	U		0.44	1.5	µg/L	1	8/10/2023 01:19
1,1-Dichloroethene	U		0.40	1.4	µg/L	1	8/10/2023 01:19
1,2,3-Trichlorobenzene	U		0.42	1.4	µg/L	1	8/10/2023 01:19
1,2,3-Trichloropropane	U		0.40	1.3	µg/L	1	8/10/2023 01:19
1,2,4-Trichlorobenzene	U		0.45	1.5	µg/L	1	8/10/2023 01:19
1,2,4-Trimethylbenzene	**13**		**0.45**	**1.5**	**µg/L**	1	8/10/2023 01:19
1,2-Dibromo-3-chloropropane	U		0.43	1.4	µg/L	1	8/10/2023 01:19
1,2-Dibromoethane	U		0.41	1.4	µg/L	1	8/10/2023 01:19
1,2-Dichlorobenzene	U		0.32	1.1	µg/L	1	8/10/2023 01:19
1,2-Dichloroethane	U		0.44	1.4	µg/L	1	8/10/2023 01:19
1,2-Dichloropropane	U		0.48	1.6	µg/L	1	8/10/2023 01:19
1,3,5-Trimethylbenzene	**3.0**		**0.65**	**2.2**	**µg/L**	1	8/10/2023 01:19
1,3-Dichlorobenzene	U		0.33	1.1	µg/L	1	8/10/2023 01:19
1,4-Dichlorobenzene	U		0.35	1.2	µg/L	1	8/10/2023 01:19
2-Butanone	**3.1**		**0.52**	**1.7**	**µg/L**	1	8/10/2023 01:19
2-Hexanone	U		0.59	2.0	µg/L	1	8/10/2023 01:19
4-Methyl-2-pentanone	U		0.52	1.7	µg/L	1	8/10/2023 01:19
Acetone	U		6.2	21	µg/L	1	8/10/2023 01:19
Benzene	**32**		**0.46**	**1.5**	**µg/L**	1	8/10/2023 01:19
Bromochloromethane	U		0.45	1.5	µg/L	1	8/10/2023 01:19
Bromodichloromethane	U		0.49	1.6	µg/L	1	8/10/2023 01:19
Bromoform	U		0.56	1.9	µg/L	1	8/10/2023 01:19
Bromomethane	U		0.90	3.0	µg/L	1	8/10/2023 01:19
Carbon disulfide	**0.79**	J	**0.49**	**1.6**	**µg/L**	1	8/10/2023 01:19
Carbon tetrachloride	U		0.40	1.4	µg/L	1	8/10/2023 01:19
Chlorobenzene	U		0.40	1.3	µg/L	1	8/10/2023 01:19
Chloroethane	U		0.68	2.3	µg/L	1	8/10/2023 01:19
Chloroform	U		0.46	1.5	µg/L	1	8/10/2023 01:19
Chloromethane	U		0.83	2.8	µg/L	1	8/10/2023 01:19
cis-1,2-Dichloroethene	U		0.42	1.4	µg/L	1	8/10/2023 01:19
cis-1,3-Dichloropropene	U		0.57	1.9	µg/L	1	8/10/2023 01:19
Cyclohexane	**39**		**0.63**	**2.1**	**µg/L**	1	8/10/2023 01:19
Dibromochloromethane	U		0.40	1.3	µg/L	1	8/10/2023 01:19
Dichlorodifluoromethane	U		0.68	2.3	µg/L	1	8/10/2023 01:19
Ethylbenzene	**7.3**		**0.34**	**1.1**	**µg/L**	1	8/10/2023 01:19
Isopropylbenzene	**9.4**		**0.35**	**1.2**	**µg/L**	1	8/10/2023 01:19
m,p-Xylene	**23**		**0.81**	**2.7**	**µg/L**	1	8/10/2023 01:19
Methyl acetate	U		0.59	2.0	µg/L	1	8/10/2023 01:19
Methyl tert-butyl ether	U		0.45	1.5	µg/L	1	8/10/2023 01:19

Note: See Qualifiers page for a list of qualifiers and their definitions.

Revision: 1

Client: EnviroForensics
Project: Martinos Cleaners 41st
Sample ID: 6165-MW-8
Collection Date: 8/1/2023 11:45 AM

Work Order: 23080570
Lab ID: 23080570-08
Matrix: WATER

Analyses	Result	Qual	MDL	PQL	Units	Dilution Factor	Date Analyzed
Methylcyclohexane	**18**		**0.35**	**1.2**	**µg/L**	1	8/10/2023 01:19
Methylene chloride	U		0.86	2.9	µg/L	1	8/10/2023 01:19
Naphthalene	**2.2**	J	**0.77**	**2.6**	**µg/L**	1	8/10/2023 01:19
n-Propylbenzene	**29**		**0.48**	**1.6**	**µg/L**	1	8/10/2023 01:19
o-Xylene	**0.53**	J	**0.31**	**1.0**	**µg/L**	1	8/10/2023 01:19
p-Isopropyltoluene	U		0.26	0.88	µg/L	1	8/10/2023 01:19
sec-Butylbenzene	**1.6**		**0.30**	**1.0**	**µg/L**	1	8/10/2023 01:19
Styrene	U		0.33	1.1	µg/L	1	8/10/2023 01:19
Tetrachloroethene	U		0.39	1.3	µg/L	1	8/10/2023 01:19
Toluene	**0.49**	J	**0.45**	**1.5**	**µg/L**	1	8/10/2023 01:19
trans-1,2-Dichloroethene	U		0.48	1.6	µg/L	1	8/10/2023 01:19
trans-1,3-Dichloropropene	U		0.38	2.7	µg/L	1	8/10/2023 01:19
Trichloroethene	U		0.43	1.4	µg/L	1	8/10/2023 01:19
Trichlorofluoromethane	U		0.52	1.7	µg/L	1	8/10/2023 01:19
Vinyl chloride	U		0.53	1.8	µg/L	1	8/10/2023 01:19
Xylenes, Total	**24**		**0.81**	**4.4**	**µg/L**	1	8/10/2023 01:19
Surr: 1,2-Dichloroethane-d4	*98.6*			*80-120*	*%REC*	1	8/10/2023 01:19
Surr: 4-Bromofluorobenzene	*103*			*80-120*	*%REC*	1	8/10/2023 01:19
Surr: Dibromofluoromethane	*104*			*80-120*	*%REC*	1	8/10/2023 01:19
Surr: Toluene-d8	*103*			*80-120*	*%REC*	1	8/10/2023 01:19

Note: See Qualifiers page for a list of qualifiers and their definitions.

Revision: 1

Client: EnviroForensics
Project: Martinos Cleaners 41st
Sample ID: 6165-MW-9
Collection Date: 8/2/2023 10:20 AM

Work Order: 23080570
Lab ID: 23080570-09
Matrix: WATER

Analyses	Result	Qual	MDL	PQL	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS		Method: **SW8260D**					Analyst: **NAD**
1,1,1-Trichloroethane	U		0.46	1.5	µg/L	1	8/10/2023 01:37
1,1,2,2-Tetrachloroethane	U		0.40	1.3	µg/L	1	8/10/2023 01:37
1,1,2-Trichloroethane	U		0.46	1.5	µg/L	1	8/10/2023 01:37
1,1,2-Trichlorotrifluoroethane	U		0.52	1.7	µg/L	1	8/10/2023 01:37
1,1-Dichloroethane	U		0.44	1.5	µg/L	1	8/10/2023 01:37
1,1-Dichloroethene	U		0.40	1.4	µg/L	1	8/10/2023 01:37
1,2,3-Trichlorobenzene	U		0.42	1.4	µg/L	1	8/10/2023 01:37
1,2,3-Trichloropropane	U		0.40	1.3	µg/L	1	8/10/2023 01:37
1,2,4-Trichlorobenzene	U		0.45	1.5	µg/L	1	8/10/2023 01:37
1,2,4-Trimethylbenzene	U		0.45	1.5	µg/L	1	8/10/2023 01:37
1,2-Dibromo-3-chloropropane	U		0.43	1.4	µg/L	1	8/10/2023 01:37
1,2-Dibromoethane	U		0.41	1.4	µg/L	1	8/10/2023 01:37
1,2-Dichlorobenzene	U		0.32	1.1	µg/L	1	8/10/2023 01:37
1,2-Dichloroethane	U		0.44	1.4	µg/L	1	8/10/2023 01:37
1,2-Dichloropropane	U		0.48	1.6	µg/L	1	8/10/2023 01:37
1,3,5-Trimethylbenzene	U		0.65	2.2	µg/L	1	8/10/2023 01:37
1,3-Dichlorobenzene	U		0.33	1.1	µg/L	1	8/10/2023 01:37
1,4-Dichlorobenzene	U		0.35	1.2	µg/L	1	8/10/2023 01:37
2-Butanone	U		0.52	1.7	µg/L	1	8/10/2023 01:37
2-Hexanone	U		0.59	2.0	µg/L	1	8/10/2023 01:37
4-Methyl-2-pentanone	U		0.52	1.7	µg/L	1	8/10/2023 01:37
Acetone	U		6.2	21	µg/L	1	8/10/2023 01:37
Benzene	U		0.46	1.5	µg/L	1	8/10/2023 01:37
Bromochloromethane	U		0.45	1.5	µg/L	1	8/10/2023 01:37
Bromodichloromethane	U		0.49	1.6	µg/L	1	8/10/2023 01:37
Bromoform	U		0.56	1.9	µg/L	1	8/10/2023 01:37
Bromomethane	U		0.90	3.0	µg/L	1	8/10/2023 01:37
Carbon disulfide	U		0.49	1.6	µg/L	1	8/10/2023 01:37
Carbon tetrachloride	U		0.40	1.4	µg/L	1	8/10/2023 01:37
Chlorobenzene	U		0.40	1.3	µg/L	1	8/10/2023 01:37
Chloroethane	U		0.68	2.3	µg/L	1	8/10/2023 01:37
Chloroform	U		0.46	1.5	µg/L	1	8/10/2023 01:37
Chloromethane	U		0.83	2.8	µg/L	1	8/10/2023 01:37
cis-1,2-Dichloroethene	**1.8**		**0.42**	**1.4**	**µg/L**	1	8/10/2023 01:37
cis-1,3-Dichloropropene	U		0.57	1.9	µg/L	1	8/10/2023 01:37
Cyclohexane	U		0.63	2.1	µg/L	1	8/10/2023 01:37
Dibromochloromethane	U		0.40	1.3	µg/L	1	8/10/2023 01:37
Dichlorodifluoromethane	U		0.68	2.3	µg/L	1	8/10/2023 01:37

Note: See Qualifiers page for a list of qualifiers and their definitions.

Revision: 1

Client: EnviroForensics
Project: Martinos Cleaners 41st
Sample ID: 6165-MW-9
Collection Date: 8/2/2023 10:20 AM

Work Order: 23080570
Lab ID: 23080570-09
Matrix: WATER

Analyses	Result	Qual	MDL	PQL	Units	Dilution Factor	Date Analyzed
Ethylbenzene	U		0.34	1.1	µg/L	1	8/10/2023 01:37
Isopropylbenzene	U		0.35	1.2	µg/L	1	8/10/2023 01:37
m,p-Xylene	U		0.81	2.7	µg/L	1	8/10/2023 01:37
Methyl acetate	U		0.59	2.0	µg/L	1	8/10/2023 01:37
Methyl tert-butyl ether	U		0.45	1.5	µg/L	1	8/10/2023 01:37
Methylcyclohexane	U		0.35	1.2	µg/L	1	8/10/2023 01:37
Methylene chloride	U		0.86	2.9	µg/L	1	8/10/2023 01:37
Naphthalene	U		0.77	2.6	µg/L	1	8/10/2023 01:37
n-Propylbenzene	U		0.48	1.6	µg/L	1	8/10/2023 01:37
o-Xylene	U		0.31	1.0	µg/L	1	8/10/2023 01:37
p-Isopropyltoluene	U		0.26	0.88	µg/L	1	8/10/2023 01:37
sec-Butylbenzene	U		0.30	1.0	µg/L	1	8/10/2023 01:37
Styrene	U		0.33	1.1	µg/L	1	8/10/2023 01:37
Tetrachloroethene	U		0.39	1.3	µg/L	1	8/10/2023 01:37
Toluene	U		0.45	1.5	µg/L	1	8/10/2023 01:37
trans-1,2-Dichloroethene	U		0.48	1.6	µg/L	1	8/10/2023 01:37
trans-1,3-Dichloropropene	U		0.38	2.7	µg/L	1	8/10/2023 01:37
Trichloroethene	U		0.43	1.4	µg/L	1	8/10/2023 01:37
Trichlorofluoromethane	U		0.52	1.7	µg/L	1	8/10/2023 01:37
Vinyl chloride	U		0.53	1.8	µg/L	1	8/10/2023 01:37
Xylenes, Total	U		0.81	4.4	µg/L	1	8/10/2023 01:37
Surr: 1,2-Dichloroethane-d4	*99.7*			*80-120*	*%REC*	1	8/10/2023 01:37
Surr: 4-Bromofluorobenzene	*103*			*80-120*	*%REC*	1	8/10/2023 01:37
Surr: Dibromofluoromethane	*98.9*			*80-120*	*%REC*	1	8/10/2023 01:37
Surr: Toluene-d8	*102*			*80-120*	*%REC*	1	8/10/2023 01:37

Note: See Qualifiers page for a list of qualifiers and their definitions.

Revision: 1

Client: EnviroForensics
Project: Martinos Cleaners 41st
Sample ID: 6165-MW-12
Collection Date: 8/1/2023 01:30 PM

Work Order: 23080570
Lab ID: 23080570-10
Matrix: WATER

Analyses	Result	Qual	MDL	PQL	Units	Dilution Factor	Date Analyzed
WISCONSIN PFAS BY ISOTOPIC DILUTION		Method: **E537 MOD**					Analyst: **MNM**
Fluorotelomer Sulphonic Acid 4:2 (FtS 4:2)	U		0.96	5.1	ng/L	1	8/9/2023 22:33
Fluorotelomer Sulphonic Acid 6:2 (FtS 6:2)	U		2.0	5.1	ng/L	1	8/9/2023 22:33
Fluorotelomer Sulphonic Acid 8:2 (FtS 8:2)	U		1.2	5.1	ng/L	1	8/9/2023 22:33
Fluorotelomer Sulphonic Acid 10:2 (FtS 10:2)	U		2.4	5.1	ng/L	1	8/9/2023 22:33
Perfluorobutanesulfonic Acid (PFBS)	**5.0**	J	**0.36**	**5.1**	**ng/L**	1	8/9/2023 22:33
Perfluorobutanoic Acid (PFBA)	**8.7**		**2.7**	**5.1**	**ng/L**	1	8/9/2023 22:33
Perfluorodecanesulfonic Acid (PFDS)	U		1.4	5.1	ng/L	1	8/9/2023 22:33
Perfluorodecanoic Acid (PFDA)	U		1.3	5.1	ng/L	1	8/9/2023 22:33
Perfluorododecanesulfonic Acid (PFDoS)	U		0.64	5.1	ng/L	1	8/9/2023 22:33
Perfluorododecanoic Acid (PFDoA)	U		0.71	5.1	ng/L	1	8/9/2023 22:33
Perfluoroheptanesulfonic Acid (PFHpS)	U		0.58	5.1	ng/L	1	8/9/2023 22:33
Perfluoroheptanoic Acid (PFHpA)	**2.9**	J	**1.8**	**5.1**	**ng/L**	1	8/9/2023 22:33
Perfluorohexadecanoic Acid (PFHxDA)	U		1.8	5.1	ng/L	1	8/9/2023 22:33
Perfluorohexanesulfonic Acid (PFHxS)	U		0.92	5.1	ng/L	1	8/9/2023 22:33
Perfluorohexanoic Acid (PFHxA)	**5.5**		**1.2**	**5.1**	**ng/L**	1	8/9/2023 22:33
Perfluorononanesulfonic Acid (PFNS)	U		0.51	5.1	ng/L	1	8/9/2023 22:33
Perfluorononanoic Acid (PFNA)	U		0.89	5.1	ng/L	1	8/9/2023 22:33
Perfluorooctadecanoic Acid (PFODA)	U		0.66	5.1	ng/L	1	8/9/2023 22:33
Perfluorooctanesulfonamide (PFOSA)	U		0.73	5.1	ng/L	1	8/9/2023 22:33
Perfluorooctanesulfonic Acid (PFOS)	U		0.91	2.0	ng/L	1	8/9/2023 22:33
Perfluorooctanoic Acid (PFOA)	**5.0**		**0.72**	**2.0**	**ng/L**	1	8/9/2023 22:33
Perfluoropentanesulfonic Acid (PFPeS)	U		0.57	5.1	ng/L	1	8/9/2023 22:33
Perfluoropentanoic Acid (PFPeA)	**4.9**	J	**1.3**	**5.1**	**ng/L**	1	8/9/2023 22:33
Perfluorotetradecanoic Acid (PFTeA)	U		2.7	5.1	ng/L	1	8/9/2023 22:33
Perfluorotridecanoic Acid (PFTriA)	U		2.0	5.1	ng/L	1	8/9/2023 22:33
Perfluoroundecanoic Acid (PFUnA)	U		1.0	5.1	ng/L	1	8/9/2023 22:33
N-ethylperfluoro-1-octanesulfonamide	U		1.2	5.1	ng/L	1	8/9/2023 22:33
N-Ethylperfluorooctanesulfonamidoacetic Acid	U		1.6	5.1	ng/L	1	8/9/2023 22:33
N-Ethylperfluorooctanesulfonamidoethanol	U		1.1	5.1	ng/L	1	8/9/2023 22:33
N-methylperfluoro-1-octanesulfonamide	U		0.81	5.1	ng/L	1	8/9/2023 22:33

Note: See Qualifiers page for a list of qualifiers and their definitions.

Revision: 1

Client: EnviroForensics
Project: Martinos Cleaners 41st
Sample ID: 6165-MW-12
Collection Date: 8/1/2023 01:30 PM

Work Order: 23080570
Lab ID: 23080570-10
Matrix: WATER

Analyses	Result	Qual	MDL	PQL	Units	Dilution Factor	Date Analyzed
N-Methylperfluorooctanesulfonamidoacetic Acid	U		0.66	5.1	ng/L	1	8/9/2023 22:33
N-Methylperfluorooctanesulfonamidoethanol	U		1.5	5.1	ng/L	1	8/9/2023 22:33
Hexafluoropropylene oxide dimer acid (HFPO-DA)	U		1.2	5.1	ng/L	1	8/9/2023 22:33
4,8-Dioxa-3H-perfluorononanoic Acid (DONA)	U		0.57	5.1	ng/L	1	8/9/2023 22:33
11Cl-Pf3OUdS	U		0.48	5.1	ng/L	1	8/9/2023 22:33
9Cl-PF3ONS	U		0.46	5.1	ng/L	1	8/9/2023 22:33
Surr: 13C2-FtS 4:2	*197*	S		*25-150*	*%REC*	1	8/9/2023 22:33
Surr: 13C2-FtS 6:2	*143*			*25-150*	*%REC*	1	8/9/2023 22:33
Surr: 13C2-FtS 8:2	*92.2*			*25-150*	*%REC*	1	8/9/2023 22:33
Surr: 13C2-PFDA	*80.1*			*25-150*	*%REC*	1	8/9/2023 22:33
Surr: 13C2-PFDoA	*65.6*			*25-150*	*%REC*	1	8/9/2023 22:33
Surr: 13C2-PFHxA	*105*			*25-150*	*%REC*	1	8/9/2023 22:33
Surr: 13C2-PFHxDA	*95.2*			*25-150*	*%REC*	1	8/9/2023 22:33
Surr: 13C2-PFTeA	*82.2*			*25-150*	*%REC*	1	8/9/2023 22:33
Surr: 13C2-PFUnA	*73.0*			*25-150*	*%REC*	1	8/9/2023 22:33
Surr: 13C3-HFPO-DA	*124*			*25-150*	*%REC*	1	8/9/2023 22:33
Surr: 13C3-PFBS	*120*			*25-150*	*%REC*	1	8/9/2023 22:33
Surr: 13C4-PFBA	*98.9*			*25-150*	*%REC*	1	8/9/2023 22:33
Surr: 13C4-PFHpA	*122*			*25-150*	*%REC*	1	8/9/2023 22:33
Surr: 13C4-PFOA	*98.9*			*25-150*	*%REC*	1	8/9/2023 22:33
Surr: 13C4-PFOS	*82.3*			*25-150*	*%REC*	1	8/9/2023 22:33
Surr: 13C5-PFNA	*91.3*			*25-150*	*%REC*	1	8/9/2023 22:33
Surr: 13C5-PFPeA	*115*			*25-150*	*%REC*	1	8/9/2023 22:33
Surr: 13C8-FOSA	*80.5*			*10-150*	*%REC*	1	8/9/2023 22:33
Surr: 18O2-PFHxS	*106*			*25-150*	*%REC*	1	8/9/2023 22:33
Surr: d5-N-EtFOSA	*66.6*			*10-150*	*%REC*	1	8/9/2023 22:33
Surr: d5-N-EtFOSAA	*90.4*			*25-150*	*%REC*	1	8/9/2023 22:33
Surr: d9-N-EtFOSE	*75.7*			*10-150*	*%REC*	1	8/9/2023 22:33
Surr: d3-N-MeFOSA	*70.1*			*10-150*	*%REC*	1	8/9/2023 22:33
Surr: d3-N-MeFOSAA	*89.0*			*25-150*	*%REC*	1	8/9/2023 22:33
Surr: d7-N-MeFOSE	*77.9*			*10-150*	*%REC*	1	8/9/2023 22:33
VOLATILE ORGANIC COMPOUNDS		Method: **SW8260D**					Analyst: **NAD**
1,1,1-Trichloroethane	U		0.46	1.5	µg/L	1	8/10/2023 03:27
1,1,2,2-Tetrachloroethane	U		0.40	1.3	µg/L	1	8/10/2023 03:27
1,1,2-Trichloroethane	U		0.46	1.5	µg/L	1	8/10/2023 03:27

Note: See Qualifiers page for a list of qualifiers and their definitions.

Revision: 1

Client: EnviroForensics
Project: Martinos Cleaners 41st
Sample ID: 6165-MW-12
Collection Date: 8/1/2023 01:30 PM

Work Order: 23080570
Lab ID: 23080570-10
Matrix: WATER

Analyses	Result	Qual	MDL	PQL	Units	Dilution Factor	Date Analyzed
1,1,2-Trichlorotrifluoroethane	U		0.52	1.7	µg/L	1	8/10/2023 03:27
1,1-Dichloroethane	U		0.44	1.5	µg/L	1	8/10/2023 03:27
1,1-Dichloroethene	U		0.40	1.4	µg/L	1	8/10/2023 03:27
1,2,3-Trichlorobenzene	U		0.42	1.4	µg/L	1	8/10/2023 03:27
1,2,3-Trichloropropane	U		0.40	1.3	µg/L	1	8/10/2023 03:27
1,2,4-Trichlorobenzene	U		0.45	1.5	µg/L	1	8/10/2023 03:27
1,2,4-Trimethylbenzene	U		0.45	1.5	µg/L	1	8/10/2023 03:27
1,2-Dibromo-3-chloropropane	U		0.43	1.4	µg/L	1	8/10/2023 03:27
1,2-Dibromoethane	U		0.41	1.4	µg/L	1	8/10/2023 03:27
1,2-Dichlorobenzene	U		0.32	1.1	µg/L	1	8/10/2023 03:27
1,2-Dichloroethane	U		0.44	1.4	µg/L	1	8/10/2023 03:27
1,2-Dichloropropane	U		0.48	1.6	µg/L	1	8/10/2023 03:27
1,3,5-Trimethylbenzene	U		0.65	2.2	µg/L	1	8/10/2023 03:27
1,3-Dichlorobenzene	U		0.33	1.1	µg/L	1	8/10/2023 03:27
1,4-Dichlorobenzene	U		0.35	1.2	µg/L	1	8/10/2023 03:27
2-Butanone	U		0.52	1.7	µg/L	1	8/10/2023 03:27
2-Hexanone	U		0.59	2.0	µg/L	1	8/10/2023 03:27
4-Methyl-2-pentanone	U		0.52	1.7	µg/L	1	8/10/2023 03:27
Acetone	U		6.2	21	µg/L	1	8/10/2023 03:27
Benzene	U		0.46	1.5	µg/L	1	8/10/2023 03:27
Bromochloromethane	U		0.45	1.5	µg/L	1	8/10/2023 03:27
Bromodichloromethane	U		0.49	1.6	µg/L	1	8/10/2023 03:27
Bromoform	U		0.56	1.9	µg/L	1	8/10/2023 03:27
Bromomethane	U		0.90	3.0	µg/L	1	8/10/2023 03:27
Carbon disulfide	U		0.49	1.6	µg/L	1	8/10/2023 03:27
Carbon tetrachloride	U		0.40	1.4	µg/L	1	8/10/2023 03:27
Chlorobenzene	U		0.40	1.3	µg/L	1	8/10/2023 03:27
Chloroethane	U		0.68	2.3	µg/L	1	8/10/2023 03:27
Chloroform	U		0.46	1.5	µg/L	1	8/10/2023 03:27
Chloromethane	U		0.83	2.8	µg/L	1	8/10/2023 03:27
cis-1,2-Dichloroethene	**82**		**0.42**	**1.4**	**µg/L**	1	8/10/2023 03:27
cis-1,3-Dichloropropene	U		0.57	1.9	µg/L	1	8/10/2023 03:27
Cyclohexane	U		0.63	2.1	µg/L	1	8/10/2023 03:27
Dibromochloromethane	U		0.40	1.3	µg/L	1	8/10/2023 03:27
Dichlorodifluoromethane	U		0.68	2.3	µg/L	1	8/10/2023 03:27
Ethylbenzene	U		0.34	1.1	µg/L	1	8/10/2023 03:27
Isopropylbenzene	U		0.35	1.2	µg/L	1	8/10/2023 03:27
m,p-Xylene	U		0.81	2.7	µg/L	1	8/10/2023 03:27
Methyl acetate	U		0.59	2.0	µg/L	1	8/10/2023 03:27
Methyl tert-butyl ether	U		0.45	1.5	µg/L	1	8/10/2023 03:27

Note: See Qualifiers page for a list of qualifiers and their definitions.

Revision: 1

Client: EnviroForensics
Project: Martinos Cleaners 41st
Sample ID: 6165-MW-12
Collection Date: 8/1/2023 01:30 PM

Work Order: 23080570
Lab ID: 23080570-10
Matrix: WATER

Analyses	Result	Qual	MDL	PQL	Units	Dilution Factor	Date Analyzed
Methylcyclohexane	U		0.35	1.2	µg/L	1	8/10/2023 03:27
Methylene chloride	U		0.86	2.9	µg/L	1	8/10/2023 03:27
Naphthalene	U		0.77	2.6	µg/L	1	8/10/2023 03:27
n-Propylbenzene	U		0.48	1.6	µg/L	1	8/10/2023 03:27
o-Xylene	U		0.31	1.0	µg/L	1	8/10/2023 03:27
p-Isopropyltoluene	U		0.26	0.88	µg/L	1	8/10/2023 03:27
sec-Butylbenzene	U		0.30	1.0	µg/L	1	8/10/2023 03:27
Styrene	U		0.33	1.1	µg/L	1	8/10/2023 03:27
Tetrachloroethene	U		0.39	1.3	µg/L	1	8/10/2023 03:27
Toluene	U		0.45	1.5	µg/L	1	8/10/2023 03:27
trans-1,2-Dichloroethene	**3.6**		**0.48**	**1.6**	**µg/L**	1	8/10/2023 03:27
trans-1,3-Dichloropropene	U		0.38	2.7	µg/L	1	8/10/2023 03:27
Trichloroethene	U		0.43	1.4	µg/L	1	8/10/2023 03:27
Trichlorofluoromethane	U		0.52	1.7	µg/L	1	8/10/2023 03:27
Vinyl chloride	**20**		**0.53**	**1.8**	**µg/L**	1	8/10/2023 03:27
Xylenes, Total	U		0.81	4.4	µg/L	1	8/10/2023 03:27
Surr: 1,2-Dichloroethane-d4	*99.0*			*80-120*	*%REC*	1	8/10/2023 03:27
Surr: 4-Bromofluorobenzene	*97.0*			*80-120*	*%REC*	1	8/10/2023 03:27
Surr: Dibromofluoromethane	*102*			*80-120*	*%REC*	1	8/10/2023 03:27
Surr: Toluene-d8	*101*			*80-120*	*%REC*	1	8/10/2023 03:27

Note: See Qualifiers page for a list of qualifiers and their definitions.

Revision: 1

Client: EnviroForensics
Project: Martinos Cleaners 41st
Sample ID: 6165-MW-13
Collection Date: 8/3/2023 10:13 AM

Work Order: 23080570
Lab ID: 23080570-11
Matrix: WATER

Analyses	Result	Qual	MDL	PQL	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS		Method: **SW8260D**					Analyst: **NAD**
1,1,1-Trichloroethane	U		0.46	1.5	µg/L	1	8/10/2023 01:55
1,1,2,2-Tetrachloroethane	U		0.40	1.3	µg/L	1	8/10/2023 01:55
1,1,2-Trichloroethane	U		0.46	1.5	µg/L	1	8/10/2023 01:55
1,1,2-Trichlorotrifluoroethane	U		0.52	1.7	µg/L	1	8/10/2023 01:55
1,1-Dichloroethane	U		0.44	1.5	µg/L	1	8/10/2023 01:55
1,1-Dichloroethene	U		0.40	1.4	µg/L	1	8/10/2023 01:55
1,2,3-Trichlorobenzene	U		0.42	1.4	µg/L	1	8/10/2023 01:55
1,2,3-Trichloropropane	U		0.40	1.3	µg/L	1	8/10/2023 01:55
1,2,4-Trichlorobenzene	U		0.45	1.5	µg/L	1	8/10/2023 01:55
1,2,4-Trimethylbenzene	U		0.45	1.5	µg/L	1	8/10/2023 01:55
1,2-Dibromo-3-chloropropane	U		0.43	1.4	µg/L	1	8/10/2023 01:55
1,2-Dibromoethane	U		0.41	1.4	µg/L	1	8/10/2023 01:55
1,2-Dichlorobenzene	U		0.32	1.1	µg/L	1	8/10/2023 01:55
1,2-Dichloroethane	U		0.44	1.4	µg/L	1	8/10/2023 01:55
1,2-Dichloropropane	U		0.48	1.6	µg/L	1	8/10/2023 01:55
1,3,5-Trimethylbenzene	U		0.65	2.2	µg/L	1	8/10/2023 01:55
1,3-Dichlorobenzene	U		0.33	1.1	µg/L	1	8/10/2023 01:55
1,4-Dichlorobenzene	U		0.35	1.2	µg/L	1	8/10/2023 01:55
2-Butanone	U		0.52	1.7	µg/L	1	8/10/2023 01:55
2-Hexanone	U		0.59	2.0	µg/L	1	8/10/2023 01:55
4-Methyl-2-pentanone	U		0.52	1.7	µg/L	1	8/10/2023 01:55
Acetone	U		6.2	21	µg/L	1	8/10/2023 01:55
Benzene	U		0.46	1.5	µg/L	1	8/10/2023 01:55
Bromochloromethane	U		0.45	1.5	µg/L	1	8/10/2023 01:55
Bromodichloromethane	U		0.49	1.6	µg/L	1	8/10/2023 01:55
Bromoform	U		0.56	1.9	µg/L	1	8/10/2023 01:55
Bromomethane	U		0.90	3.0	µg/L	1	8/10/2023 01:55
Carbon disulfide	U		0.49	1.6	µg/L	1	8/10/2023 01:55
Carbon tetrachloride	U		0.40	1.4	µg/L	1	8/10/2023 01:55
Chlorobenzene	U		0.40	1.3	µg/L	1	8/10/2023 01:55
Chloroethane	U		0.68	2.3	µg/L	1	8/10/2023 01:55
Chloroform	U		0.46	1.5	µg/L	1	8/10/2023 01:55
Chloromethane	U		0.83	2.8	µg/L	1	8/10/2023 01:55
cis-1,2-Dichloroethene	U		0.42	1.4	µg/L	1	8/10/2023 01:55
cis-1,3-Dichloropropene	U		0.57	1.9	µg/L	1	8/10/2023 01:55
Cyclohexane	U		0.63	2.1	µg/L	1	8/10/2023 01:55
Dibromochloromethane	U		0.40	1.3	µg/L	1	8/10/2023 01:55
Dichlorodifluoromethane	U		0.68	2.3	µg/L	1	8/10/2023 01:55

Note: See Qualifiers page for a list of qualifiers and their definitions.

Revision: 1

Client: EnviroForensics
Project: Martinos Cleaners 41st
Sample ID: 6165-MW-13
Collection Date: 8/3/2023 10:13 AM

Work Order: 23080570
Lab ID: 23080570-11
Matrix: WATER

Analyses	Result	Qual	MDL	PQL	Units	Dilution Factor	Date Analyzed
Ethylbenzene	U		0.34	1.1	µg/L	1	8/10/2023 01:55
Isopropylbenzene	U		0.35	1.2	µg/L	1	8/10/2023 01:55
m,p-Xylene	U		0.81	2.7	µg/L	1	8/10/2023 01:55
Methyl acetate	U		0.59	2.0	µg/L	1	8/10/2023 01:55
Methyl tert-butyl ether	U		0.45	1.5	µg/L	1	8/10/2023 01:55
Methylcyclohexane	U		0.35	1.2	µg/L	1	8/10/2023 01:55
Methylene chloride	U		0.86	2.9	µg/L	1	8/10/2023 01:55
Naphthalene	U		0.77	2.6	µg/L	1	8/10/2023 01:55
n-Propylbenzene	U		0.48	1.6	µg/L	1	8/10/2023 01:55
o-Xylene	U		0.31	1.0	µg/L	1	8/10/2023 01:55
p-Isopropyltoluene	U		0.26	0.88	µg/L	1	8/10/2023 01:55
sec-Butylbenzene	U		0.30	1.0	µg/L	1	8/10/2023 01:55
Styrene	U		0.33	1.1	µg/L	1	8/10/2023 01:55
Tetrachloroethene	U		0.39	1.3	µg/L	1	8/10/2023 01:55
Toluene	U		0.45	1.5	µg/L	1	8/10/2023 01:55
trans-1,2-Dichloroethene	U		0.48	1.6	µg/L	1	8/10/2023 01:55
trans-1,3-Dichloropropene	U		0.38	2.7	µg/L	1	8/10/2023 01:55
Trichloroethene	U		0.43	1.4	µg/L	1	8/10/2023 01:55
Trichlorofluoromethane	U		0.52	1.7	µg/L	1	8/10/2023 01:55
Vinyl chloride	U		0.53	1.8	µg/L	1	8/10/2023 01:55
Xylenes, Total	U		0.81	4.4	µg/L	1	8/10/2023 01:55
Surr: 1,2-Dichloroethane-d4	*97.5*			*80-120*	*%REC*	1	8/10/2023 01:55
Surr: 4-Bromofluorobenzene	*102*			*80-120*	*%REC*	1	8/10/2023 01:55
Surr: Dibromofluoromethane	*99.6*			*80-120*	*%REC*	1	8/10/2023 01:55
Surr: Toluene-d8	*102*			*80-120*	*%REC*	1	8/10/2023 01:55

Note: See Qualifiers page for a list of qualifiers and their definitions.

Revision: 1

Client: EnviroForensics
Project: Martinos Cleaners 41st
Sample ID: 6165-MW-16
Collection Date: 8/1/2023 11:55 AM

Work Order: 23080570
Lab ID: 23080570-12
Matrix: WATER

Analyses	Result	Qual	MDL	PQL	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS		Method: **SW8260D**					Analyst: **NAD**
1,1,1-Trichloroethane	U		0.46	1.5	µg/L	1	8/10/2023 02:14
1,1,2,2-Tetrachloroethane	U		0.40	1.3	µg/L	1	8/10/2023 02:14
1,1,2-Trichloroethane	U		0.46	1.5	µg/L	1	8/10/2023 02:14
1,1,2-Trichlorotrifluoroethane	U		0.52	1.7	µg/L	1	8/10/2023 02:14
1,1-Dichloroethane	U		0.44	1.5	µg/L	1	8/10/2023 02:14
1,1-Dichloroethene	U		0.40	1.4	µg/L	1	8/10/2023 02:14
1,2,3-Trichlorobenzene	U		0.42	1.4	µg/L	1	8/10/2023 02:14
1,2,3-Trichloropropane	U		0.40	1.3	µg/L	1	8/10/2023 02:14
1,2,4-Trichlorobenzene	U		0.45	1.5	µg/L	1	8/10/2023 02:14
1,2,4-Trimethylbenzene	U		0.45	1.5	µg/L	1	8/10/2023 02:14
1,2-Dibromo-3-chloropropane	U		0.43	1.4	µg/L	1	8/10/2023 02:14
1,2-Dibromoethane	U		0.41	1.4	µg/L	1	8/10/2023 02:14
1,2-Dichlorobenzene	U		0.32	1.1	µg/L	1	8/10/2023 02:14
1,2-Dichloroethane	U		0.44	1.4	µg/L	1	8/10/2023 02:14
1,2-Dichloropropane	U		0.48	1.6	µg/L	1	8/10/2023 02:14
1,3,5-Trimethylbenzene	U		0.65	2.2	µg/L	1	8/10/2023 02:14
1,3-Dichlorobenzene	U		0.33	1.1	µg/L	1	8/10/2023 02:14
1,4-Dichlorobenzene	U		0.35	1.2	µg/L	1	8/10/2023 02:14
2-Butanone	U		0.52	1.7	µg/L	1	8/10/2023 02:14
2-Hexanone	U		0.59	2.0	µg/L	1	8/10/2023 02:14
4-Methyl-2-pentanone	U		0.52	1.7	µg/L	1	8/10/2023 02:14
Acetone	U		6.2	21	µg/L	1	8/10/2023 02:14
Benzene	U		0.46	1.5	µg/L	1	8/10/2023 02:14
Bromochloromethane	U		0.45	1.5	µg/L	1	8/10/2023 02:14
Bromodichloromethane	U		0.49	1.6	µg/L	1	8/10/2023 02:14
Bromoform	U		0.56	1.9	µg/L	1	8/10/2023 02:14
Bromomethane	U		0.90	3.0	µg/L	1	8/10/2023 02:14
Carbon disulfide	U		0.49	1.6	µg/L	1	8/10/2023 02:14
Carbon tetrachloride	U		0.40	1.4	µg/L	1	8/10/2023 02:14
Chlorobenzene	U		0.40	1.3	µg/L	1	8/10/2023 02:14
Chloroethane	U		0.68	2.3	µg/L	1	8/10/2023 02:14
Chloroform	U		0.46	1.5	µg/L	1	8/10/2023 02:14
Chloromethane	U		0.83	2.8	µg/L	1	8/10/2023 02:14
cis-1,2-Dichloroethene	U		0.42	1.4	µg/L	1	8/10/2023 02:14
cis-1,3-Dichloropropene	U		0.57	1.9	µg/L	1	8/10/2023 02:14
Cyclohexane	U		0.63	2.1	µg/L	1	8/10/2023 02:14
Dibromochloromethane	U		0.40	1.3	µg/L	1	8/10/2023 02:14
Dichlorodifluoromethane	U		0.68	2.3	µg/L	1	8/10/2023 02:14

Note: See Qualifiers page for a list of qualifiers and their definitions.

Revision: 1

Client: EnviroForensics
Project: Martinos Cleaners 41st
Sample ID: 6165-MW-16
Collection Date: 8/1/2023 11:55 AM

Work Order: 23080570
Lab ID: 23080570-12
Matrix: WATER

Analyses	Result	Qual	MDL	PQL	Units	Dilution Factor	Date Analyzed
Ethylbenzene	U		0.34	1.1	µg/L	1	8/10/2023 02:14
Isopropylbenzene	U		0.35	1.2	µg/L	1	8/10/2023 02:14
m,p-Xylene	U		0.81	2.7	µg/L	1	8/10/2023 02:14
Methyl acetate	U		0.59	2.0	µg/L	1	8/10/2023 02:14
Methyl tert-butyl ether	U		0.45	1.5	µg/L	1	8/10/2023 02:14
Methylcyclohexane	U		0.35	1.2	µg/L	1	8/10/2023 02:14
Methylene chloride	U		0.86	2.9	µg/L	1	8/10/2023 02:14
Naphthalene	U		0.77	2.6	µg/L	1	8/10/2023 02:14
n-Propylbenzene	U		0.48	1.6	µg/L	1	8/10/2023 02:14
o-Xylene	U		0.31	1.0	µg/L	1	8/10/2023 02:14
p-Isopropyltoluene	U		0.26	0.88	µg/L	1	8/10/2023 02:14
sec-Butylbenzene	U		0.30	1.0	µg/L	1	8/10/2023 02:14
Styrene	U		0.33	1.1	µg/L	1	8/10/2023 02:14
Tetrachloroethene	U		0.39	1.3	µg/L	1	8/10/2023 02:14
Toluene	U		0.45	1.5	µg/L	1	8/10/2023 02:14
trans-1,2-Dichloroethene	U		0.48	1.6	µg/L	1	8/10/2023 02:14
trans-1,3-Dichloropropene	U		0.38	2.7	µg/L	1	8/10/2023 02:14
Trichloroethene	U		0.43	1.4	µg/L	1	8/10/2023 02:14
Trichlorofluoromethane	U		0.52	1.7	µg/L	1	8/10/2023 02:14
Vinyl chloride	U		0.53	1.8	µg/L	1	8/10/2023 02:14
Xylenes, Total	U		0.81	4.4	µg/L	1	8/10/2023 02:14
Surr: 1,2-Dichloroethane-d4	*100*			*80-120*	*%REC*	1	8/10/2023 02:14
Surr: 4-Bromofluorobenzene	*98.1*			*80-120*	*%REC*	1	8/10/2023 02:14
Surr: Dibromofluoromethane	*103*			*80-120*	*%REC*	1	8/10/2023 02:14
Surr: Toluene-d8	*99.7*			*80-120*	*%REC*	1	8/10/2023 02:14

Note: See Qualifiers page for a list of qualifiers and their definitions.

Revision: 1

Client: EnviroForensics
Project: Martinos Cleaners 41st
Sample ID: 6165-MW-18
Collection Date: 8/2/2023 09:25 AM

Work Order: 23080570
Lab ID: 23080570-13
Matrix: WATER

Analyses	Result	Qual	MDL	PQL	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS		Method: **SW8260D**					Analyst: **NAD**
1,1,1-Trichloroethane	U		0.46	1.5	µg/L	1	8/10/2023 02:32
1,1,2,2-Tetrachloroethane	U		0.40	1.3	µg/L	1	8/10/2023 02:32
1,1,2-Trichloroethane	U		0.46	1.5	µg/L	1	8/10/2023 02:32
1,1,2-Trichlorotrifluoroethane	U		0.52	1.7	µg/L	1	8/10/2023 02:32
1,1-Dichloroethane	U		0.44	1.5	µg/L	1	8/10/2023 02:32
1,1-Dichloroethene	U		0.40	1.4	µg/L	1	8/10/2023 02:32
1,2,3-Trichlorobenzene	U		0.42	1.4	µg/L	1	8/10/2023 02:32
1,2,3-Trichloropropane	U		0.40	1.3	µg/L	1	8/10/2023 02:32
1,2,4-Trichlorobenzene	U		0.45	1.5	µg/L	1	8/10/2023 02:32
1,2,4-Trimethylbenzene	U		0.45	1.5	µg/L	1	8/10/2023 02:32
1,2-Dibromo-3-chloropropane	U		0.43	1.4	µg/L	1	8/10/2023 02:32
1,2-Dibromoethane	U		0.41	1.4	µg/L	1	8/10/2023 02:32
1,2-Dichlorobenzene	U		0.32	1.1	µg/L	1	8/10/2023 02:32
1,2-Dichloroethane	U		0.44	1.4	µg/L	1	8/10/2023 02:32
1,2-Dichloropropane	U		0.48	1.6	µg/L	1	8/10/2023 02:32
1,3,5-Trimethylbenzene	U		0.65	2.2	µg/L	1	8/10/2023 02:32
1,3-Dichlorobenzene	U		0.33	1.1	µg/L	1	8/10/2023 02:32
1,4-Dichlorobenzene	U		0.35	1.2	µg/L	1	8/10/2023 02:32
2-Butanone	U		0.52	1.7	µg/L	1	8/10/2023 02:32
2-Hexanone	U		0.59	2.0	µg/L	1	8/10/2023 02:32
4-Methyl-2-pentanone	U		0.52	1.7	µg/L	1	8/10/2023 02:32
Acetone	U		6.2	21	µg/L	1	8/10/2023 02:32
Benzene	U		0.46	1.5	µg/L	1	8/10/2023 02:32
Bromochloromethane	U		0.45	1.5	µg/L	1	8/10/2023 02:32
Bromodichloromethane	U		0.49	1.6	µg/L	1	8/10/2023 02:32
Bromoform	U		0.56	1.9	µg/L	1	8/10/2023 02:32
Bromomethane	U		0.90	3.0	µg/L	1	8/10/2023 02:32
Carbon disulfide	U		0.49	1.6	µg/L	1	8/10/2023 02:32
Carbon tetrachloride	U		0.40	1.4	µg/L	1	8/10/2023 02:32
Chlorobenzene	U		0.40	1.3	µg/L	1	8/10/2023 02:32
Chloroethane	U		0.68	2.3	µg/L	1	8/10/2023 02:32
Chloroform	U		0.46	1.5	µg/L	1	8/10/2023 02:32
Chloromethane	U		0.83	2.8	µg/L	1	8/10/2023 02:32
cis-1,2-Dichloroethene	U		0.42	1.4	µg/L	1	8/10/2023 02:32
cis-1,3-Dichloropropene	U		0.57	1.9	µg/L	1	8/10/2023 02:32
Cyclohexane	U		0.63	2.1	µg/L	1	8/10/2023 02:32
Dibromochloromethane	U		0.40	1.3	µg/L	1	8/10/2023 02:32
Dichlorodifluoromethane	U		0.68	2.3	µg/L	1	8/10/2023 02:32

Note: See Qualifiers page for a list of qualifiers and their definitions.

Revision: 1

Client: EnviroForensics
Project: Martinos Cleaners 41st
Sample ID: 6165-MW-18
Collection Date: 8/2/2023 09:25 AM

Work Order: 23080570
Lab ID: 23080570-13
Matrix: WATER

Analyses	Result	Qual	MDL	PQL	Units	Dilution Factor	Date Analyzed
Ethylbenzene	U		0.34	1.1	µg/L	1	8/10/2023 02:32
Isopropylbenzene	U		0.35	1.2	µg/L	1	8/10/2023 02:32
m,p-Xylene	U		0.81	2.7	µg/L	1	8/10/2023 02:32
Methyl acetate	U		0.59	2.0	µg/L	1	8/10/2023 02:32
Methyl tert-butyl ether	U		0.45	1.5	µg/L	1	8/10/2023 02:32
Methylcyclohexane	U		0.35	1.2	µg/L	1	8/10/2023 02:32
Methylene chloride	U		0.86	2.9	µg/L	1	8/10/2023 02:32
Naphthalene	U		0.77	2.6	µg/L	1	8/10/2023 02:32
n-Propylbenzene	U		0.48	1.6	µg/L	1	8/10/2023 02:32
o-Xylene	U		0.31	1.0	µg/L	1	8/10/2023 02:32
p-Isopropyltoluene	U		0.26	0.88	µg/L	1	8/10/2023 02:32
sec-Butylbenzene	U		0.30	1.0	µg/L	1	8/10/2023 02:32
Styrene	U		0.33	1.1	µg/L	1	8/10/2023 02:32
Tetrachloroethene	U		0.39	1.3	µg/L	1	8/10/2023 02:32
Toluene	U		0.45	1.5	µg/L	1	8/10/2023 02:32
trans-1,2-Dichloroethene	U		0.48	1.6	µg/L	1	8/10/2023 02:32
trans-1,3-Dichloropropene	U		0.38	2.7	µg/L	1	8/10/2023 02:32
Trichloroethene	U		0.43	1.4	µg/L	1	8/10/2023 02:32
Trichlorofluoromethane	U		0.52	1.7	µg/L	1	8/10/2023 02:32
Vinyl chloride	U		0.53	1.8	µg/L	1	8/10/2023 02:32
Xylenes, Total	U		0.81	4.4	µg/L	1	8/10/2023 02:32
Surr: 1,2-Dichloroethane-d4	*104*			*80-120*	*%REC*	1	8/10/2023 02:32
Surr: 4-Bromofluorobenzene	*103*			*80-120*	*%REC*	1	8/10/2023 02:32
Surr: Dibromofluoromethane	*106*			*80-120*	*%REC*	1	8/10/2023 02:32
Surr: Toluene-d8	*99.8*			*80-120*	*%REC*	1	8/10/2023 02:32

Note: See Qualifiers page for a list of qualifiers and their definitions.

Revision: 1

Client: EnviroForensics
Project: Martinos Cleaners 41st
Sample ID: 6165-DUP-1
Collection Date: 8/1/2023

Work Order: 23080570
Lab ID: 23080570-14
Matrix: WATER

Analyses	Result	Qual	MDL	PQL	Units	Dilution Factor	Date Analyzed
WISCONSIN PFAS BY ISOTOPIC DILUTION		Method: **E537 MOD**					Analyst: **MNM**
Fluorotelomer Sulphonic Acid 4:2 (FtS 4:2)	U		1.9	10	ng/L	1	8/10/2023 14:57
Fluorotelomer Sulphonic Acid 6:2 (FtS 6:2)	U		3.8	10	ng/L	1	8/10/2023 14:57
Fluorotelomer Sulphonic Acid 8:2 (FtS 8:2)	U		2.3	10	ng/L	1	8/10/2023 14:57
Fluorotelomer Sulphonic Acid 10:2 (FtS 10:2)	U		4.7	10	ng/L	1	8/10/2023 14:57
Perfluorobutanesulfonic Acid (PFBS)	**1.2**	J	**0.70**	**10**	**ng/L**	1	8/10/2023 14:57
Perfluorobutanoic Acid (PFBA)	U		5.2	10	ng/L	1	8/10/2023 14:57
Perfluorodecanesulfonic Acid (PFDS)	U		2.7	10	ng/L	1	8/10/2023 14:57
Perfluorodecanoic Acid (PFDA)	U		2.5	10	ng/L	1	8/10/2023 14:57
Perfluorododecanesulfonic Acid (PFDoS)	U		1.2	10	ng/L	1	8/10/2023 14:57
Perfluorododecanoic Acid (PFDoA)	U		1.4	10	ng/L	1	8/10/2023 14:57
Perfluoroheptanesulfonic Acid (PFHpS)	U		1.1	10	ng/L	1	8/10/2023 14:57
Perfluoroheptanoic Acid (PFHpA)	U		3.5	10	ng/L	1	8/10/2023 14:57
Perfluorohexadecanoic Acid (PFHxDA)	U		3.6	10	ng/L	1	8/10/2023 14:57
Perfluorohexanesulfonic Acid (PFHxS)	U		1.8	10	ng/L	1	8/10/2023 14:57
Perfluorohexanoic Acid (PFHxA)	U		2.4	10	ng/L	1	8/10/2023 14:57
Perfluorononanesulfonic Acid (PFNS)	U		0.99	10	ng/L	1	8/10/2023 14:57
Perfluorononanoic Acid (PFNA)	U		1.7	10	ng/L	1	8/10/2023 14:57
Perfluorooctadecanoic Acid (PFODA)	U		1.3	10	ng/L	1	8/10/2023 14:57
Perfluorooctanesulfonamide (PFOSA)	U		1.4	10	ng/L	1	8/10/2023 14:57
Perfluorooctanesulfonic Acid (PFOS)	U		1.8	4.0	ng/L	1	8/10/2023 14:57
Perfluorooctanoic Acid (PFOA)	**3.2**	J	**1.4**	**4.0**	**ng/L**	1	8/10/2023 14:57
Perfluoropentanesulfonic Acid (PFPeS)	U		1.1	10	ng/L	1	8/10/2023 14:57
Perfluoropentanoic Acid (PFPeA)	U		2.6	10	ng/L	1	8/10/2023 14:57
Perfluorotetradecanoic Acid (PFTeA)	U		5.3	10	ng/L	1	8/10/2023 14:57
Perfluorotridecanoic Acid (PFTriA)	U		3.9	10	ng/L	1	8/10/2023 14:57
Perfluoroundecanoic Acid (PFUnA)	U		1.9	10	ng/L	1	8/10/2023 14:57
N-ethylperfluoro-1-octanesulfonamide	U		2.3	10	ng/L	1	8/10/2023 14:57
N-Ethylperfluorooctanesulfonamidoacetic Acid	U		3.1	10	ng/L	1	8/10/2023 14:57
N-Ethylperfluorooctanesulfonamidoethanol	U		2.1	10	ng/L	1	8/10/2023 14:57
N-methylperfluoro-1-octanesulfonamide	U		1.6	10	ng/L	1	8/10/2023 14:57

Note: See Qualifiers page for a list of qualifiers and their definitions.

Revision: 1

Client: EnviroForensics
Project: Martinos Cleaners 41st
Sample ID: 6165-DUP-1
Collection Date: 8/1/2023

Work Order: 23080570
Lab ID: 23080570-14
Matrix: WATER

Analyses	Result	Qual	MDL	PQL	Units	Dilution Factor	Date Analyzed
N-Methylperfluorooctanesulfonamidoacetic Acid	U		1.3	10	ng/L	1	8/10/2023 14:57
N-Methylperfluorooctanesulfonamidoethanol	U		3.0	10	ng/L	1	8/10/2023 14:57
Hexafluoropropylene oxide dimer acid (HFPO-DA)	U		2.3	10	ng/L	1	8/10/2023 14:57
4,8-Dioxa-3H-perfluorononanoic Acid (DONA)	U		1.1	10	ng/L	1	8/10/2023 14:57
11Cl-Pf3OUdS	U		0.93	10	ng/L	1	8/10/2023 14:57
9Cl-PF3ONS	U		0.90	10	ng/L	1	8/10/2023 14:57
Surr: 13C2-FtS 4:2	*132*			*25-150*	*%REC*	1	8/10/2023 14:57
Surr: 13C2-FtS 6:2	*114*			*25-150*	*%REC*	1	8/10/2023 14:57
Surr: 13C2-FtS 8:2	*122*			*25-150*	*%REC*	1	8/10/2023 14:57
Surr: 13C2-PFDA	*95.4*			*25-150*	*%REC*	1	8/10/2023 14:57
Surr: 13C2-PFDoA	*95.2*			*25-150*	*%REC*	1	8/10/2023 14:57
Surr: 13C2-PFHxA	*108*			*25-150*	*%REC*	1	8/10/2023 14:57
Surr: 13C2-PFHxDA	*109*			*25-150*	*%REC*	1	8/10/2023 14:57
Surr: 13C2-PFTeA	*114*			*25-150*	*%REC*	1	8/10/2023 14:57
Surr: 13C2-PFUnA	*103*			*25-150*	*%REC*	1	8/10/2023 14:57
Surr: 13C3-HFPO-DA	*127*			*25-150*	*%REC*	1	8/10/2023 14:57
Surr: 13C3-PFBS	*127*			*25-150*	*%REC*	1	8/10/2023 14:57
Surr: 13C4-PFBA	*100*			*25-150*	*%REC*	1	8/10/2023 14:57
Surr: 13C4-PFHpA	*116*			*25-150*	*%REC*	1	8/10/2023 14:57
Surr: 13C4-PFOA	*107*			*25-150*	*%REC*	1	8/10/2023 14:57
Surr: 13C4-PFOS	*110*			*25-150*	*%REC*	1	8/10/2023 14:57
Surr: 13C5-PFNA	*105*			*25-150*	*%REC*	1	8/10/2023 14:57
Surr: 13C5-PFPeA	*124*			*25-150*	*%REC*	1	8/10/2023 14:57
Surr: 13C8-FOSA	*102*			*10-150*	*%REC*	1	8/10/2023 14:57
Surr: 18O2-PFHxS	*105*			*25-150*	*%REC*	1	8/10/2023 14:57
Surr: d5-N-EtFOSA	*102*			*10-150*	*%REC*	1	8/10/2023 14:57
Surr: d5-N-EtFOSAA	*113*			*25-150*	*%REC*	1	8/10/2023 14:57
Surr: d9-N-EtFOSE	*105*			*10-150*	*%REC*	1	8/10/2023 14:57
Surr: d3-N-MeFOSA	*106*			*10-150*	*%REC*	1	8/10/2023 14:57
Surr: d3-N-MeFOSAA	*109*			*25-150*	*%REC*	1	8/10/2023 14:57
Surr: d7-N-MeFOSE	*103*			*10-150*	*%REC*	1	8/10/2023 14:57
VOLATILE ORGANIC COMPOUNDS		Method: **SW8260D**					Analyst: **BAM**
1,1,1-Trichloroethane	U		0.46	1.5	µg/L	1	8/8/2023 08:50
1,1,2,2-Tetrachloroethane	U		0.40	1.3	µg/L	1	8/8/2023 08:50
1,1,2-Trichloroethane	U		0.46	1.5	µg/L	1	8/8/2023 08:50

Note: See Qualifiers page for a list of qualifiers and their definitions.

Revision: 1

Client: EnviroForensics
Project: Martinos Cleaners 41st
Sample ID: 6165-DUP-1
Collection Date: 8/1/2023

Work Order: 23080570
Lab ID: 23080570-14
Matrix: WATER

Analyses	Result	Qual	MDL	PQL	Units	Dilution Factor	Date Analyzed
1,1,2-Trichlorotrifluoroethane	U		0.52	1.7	µg/L	1	8/8/2023 08:50
1,1-Dichloroethane	U		0.44	1.5	µg/L	1	8/8/2023 08:50
1,1-Dichloroethene	**1.2**	J	**0.40**	**1.4**	**µg/L**	1	8/8/2023 08:50
1,2,3-Trichlorobenzene	U		0.42	1.4	µg/L	1	8/8/2023 08:50
1,2,3-Trichloropropane	U		0.40	1.3	µg/L	1	8/8/2023 08:50
1,2,4-Trichlorobenzene	U		0.45	1.5	µg/L	1	8/8/2023 08:50
1,2,4-Trimethylbenzene	U		0.45	1.5	µg/L	1	8/8/2023 08:50
1,2-Dibromo-3-chloropropane	U		0.43	1.4	µg/L	1	8/8/2023 08:50
1,2-Dibromoethane	U		0.41	1.4	µg/L	1	8/8/2023 08:50
1,2-Dichlorobenzene	U		0.32	1.1	µg/L	1	8/8/2023 08:50
1,2-Dichloroethane	U		0.44	1.4	µg/L	1	8/8/2023 08:50
1,2-Dichloropropane	U		0.48	1.6	µg/L	1	8/8/2023 08:50
1,3,5-Trimethylbenzene	U		0.65	2.2	µg/L	1	8/8/2023 08:50
1,3-Dichlorobenzene	U		0.33	1.1	µg/L	1	8/8/2023 08:50
1,4-Dichlorobenzene	U		0.35	1.2	µg/L	1	8/8/2023 08:50
2-Butanone	U		0.52	1.7	µg/L	1	8/8/2023 08:50
2-Hexanone	U		0.59	2.0	µg/L	1	8/8/2023 08:50
4-Methyl-2-pentanone	U		0.52	1.7	µg/L	1	8/8/2023 08:50
Acetone	U		6.2	21	µg/L	1	8/8/2023 08:50
Benzene	U		0.46	1.5	µg/L	1	8/8/2023 08:50
Bromochloromethane	U		0.45	1.5	µg/L	1	8/8/2023 08:50
Bromodichloromethane	U		0.49	1.6	µg/L	1	8/8/2023 08:50
Bromoform	U		0.56	1.9	µg/L	1	8/8/2023 08:50
Bromomethane	U		0.90	3.0	µg/L	1	8/8/2023 08:50
Carbon disulfide	U		0.49	1.6	µg/L	1	8/8/2023 08:50
Carbon tetrachloride	U		0.40	1.4	µg/L	1	8/8/2023 08:50
Chlorobenzene	U		0.40	1.3	µg/L	1	8/8/2023 08:50
Chloroethane	U		3.4	11	µg/L	5	8/10/2023 04:22
Chloroform	U		0.46	1.5	µg/L	1	8/8/2023 08:50
Chloromethane	U		0.83	2.8	µg/L	1	8/8/2023 08:50
cis-1,2-Dichloroethene	**170**		**2.1**	**6.9**	**µg/L**	5	8/10/2023 04:22
cis-1,3-Dichloropropene	U		0.57	1.9	µg/L	1	8/8/2023 08:50
Cyclohexane	U		0.63	2.1	µg/L	1	8/8/2023 08:50
Dibromochloromethane	U		0.40	1.3	µg/L	1	8/8/2023 08:50
Dichlorodifluoromethane	U		0.68	2.3	µg/L	1	8/8/2023 08:50
Ethylbenzene	U		0.34	1.1	µg/L	1	8/8/2023 08:50
Isopropylbenzene	U		0.35	1.2	µg/L	1	8/8/2023 08:50
m,p-Xylene	U		0.81	2.7	µg/L	1	8/8/2023 08:50
Methyl acetate	U		0.59	2.0	µg/L	1	8/8/2023 08:50
Methyl tert-butyl ether	U		0.45	1.5	µg/L	1	8/8/2023 08:50

Note: See Qualifiers page for a list of qualifiers and their definitions.

Revision: 1

Client: EnviroForensics
Project: Martinos Cleaners 41st
Sample ID: 6165-DUP-1
Collection Date: 8/1/2023

Work Order: 23080570
Lab ID: 23080570-14
Matrix: WATER

Analyses	Result	Qual	MDL	PQL	Units	Dilution Factor	Date Analyzed
Methylcyclohexane	U		0.35	1.2	µg/L	1	8/8/2023 08:50
Methylene chloride	U		0.86	2.9	µg/L	1	8/8/2023 08:50
Naphthalene	U		0.77	2.6	µg/L	1	8/8/2023 08:50
n-Propylbenzene	U		0.48	1.6	µg/L	1	8/8/2023 08:50
o-Xylene	U		0.31	1.0	µg/L	1	8/8/2023 08:50
p-Isopropyltoluene	U		0.26	0.88	µg/L	1	8/8/2023 08:50
sec-Butylbenzene	U		0.30	1.0	µg/L	1	8/8/2023 08:50
Styrene	U		0.33	1.1	µg/L	1	8/8/2023 08:50
Tetrachloroethene	**400**		**2.0**	**6.6**	**µg/L**	5	8/10/2023 04:22
Toluene	U		0.45	1.5	µg/L	1	8/8/2023 08:50
trans-1,2-Dichloroethene	**1.6**	J	**0.48**	**1.6**	**µg/L**	1	8/8/2023 08:50
trans-1,3-Dichloropropene	U		0.38	2.7	µg/L	1	8/8/2023 08:50
Trichloroethene	**290**		**2.2**	**7.2**	**µg/L**	5	8/10/2023 04:22
Trichlorofluoromethane	U		0.52	1.7	µg/L	1	8/8/2023 08:50
Vinyl chloride	**25**		**0.53**	**1.8**	**µg/L**	1	8/8/2023 08:50
Xylenes, Total	U		0.81	4.4	µg/L	1	8/8/2023 08:50
Surr: 1,2-Dichloroethane-d4	*95.7*			*80-120*	*%REC*	1	8/8/2023 08:50
Surr: 1,2-Dichloroethane-d4	*101*			*80-120*	*%REC*	5	8/10/2023 04:22
Surr: 4-Bromofluorobenzene	*94.5*			*80-120*	*%REC*	1	8/8/2023 08:50
Surr: 4-Bromofluorobenzene	*101*			*80-120*	*%REC*	5	8/10/2023 04:22
Surr: Dibromofluoromethane	*95.0*			*80-120*	*%REC*	1	8/8/2023 08:50
Surr: Dibromofluoromethane	*104*			*80-120*	*%REC*	5	8/10/2023 04:22
Surr: Toluene-d8	*99.1*			*80-120*	*%REC*	1	8/8/2023 08:50
Surr: Toluene-d8	*101*			*80-120*	*%REC*	5	8/10/2023 04:22

Note: See Qualifiers page for a list of qualifiers and their definitions.

Revision: 1

Client: EnviroForensics
Project: Martinos Cleaners 41st
Sample ID: 6165-EB-1
Collection Date: 8/1/2023 04:00 PM

Work Order: 23080570
Lab ID: 23080570-15
Matrix: WATER

Analyses	Result	Qual	MDL	PQL	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS		Method: **SW8260D**					Analyst: **NAD**
1,1,1-Trichloroethane	U		0.46	1.5	µg/L	1	8/9/2023 23:47
1,1,2,2-Tetrachloroethane	U		0.40	1.3	µg/L	1	8/9/2023 23:47
1,1,2-Trichloroethane	U		0.46	1.5	µg/L	1	8/9/2023 23:47
1,1,2-Trichlorotrifluoroethane	U		0.52	1.7	µg/L	1	8/9/2023 23:47
1,1-Dichloroethane	U		0.44	1.5	µg/L	1	8/9/2023 23:47
1,1-Dichloroethene	U		0.40	1.4	µg/L	1	8/9/2023 23:47
1,2,3-Trichlorobenzene	U		0.42	1.4	µg/L	1	8/9/2023 23:47
1,2,3-Trichloropropane	U		0.40	1.3	µg/L	1	8/9/2023 23:47
1,2,4-Trichlorobenzene	U		0.45	1.5	µg/L	1	8/9/2023 23:47
1,2,4-Trimethylbenzene	U		0.45	1.5	µg/L	1	8/9/2023 23:47
1,2-Dibromo-3-chloropropane	U		0.43	1.4	µg/L	1	8/9/2023 23:47
1,2-Dibromoethane	U		0.41	1.4	µg/L	1	8/9/2023 23:47
1,2-Dichlorobenzene	U		0.32	1.1	µg/L	1	8/9/2023 23:47
1,2-Dichloroethane	U		0.44	1.4	µg/L	1	8/9/2023 23:47
1,2-Dichloropropane	U		0.48	1.6	µg/L	1	8/9/2023 23:47
1,3,5-Trimethylbenzene	U		0.65	2.2	µg/L	1	8/9/2023 23:47
1,3-Dichlorobenzene	U		0.33	1.1	µg/L	1	8/9/2023 23:47
1,4-Dichlorobenzene	U		0.35	1.2	µg/L	1	8/9/2023 23:47
2-Butanone	U		0.52	1.7	µg/L	1	8/9/2023 23:47
2-Hexanone	U		0.59	2.0	µg/L	1	8/9/2023 23:47
4-Methyl-2-pentanone	U		0.52	1.7	µg/L	1	8/9/2023 23:47
Acetone	U		6.2	21	µg/L	1	8/9/2023 23:47
Benzene	U		0.46	1.5	µg/L	1	8/9/2023 23:47
Bromochloromethane	U		0.45	1.5	µg/L	1	8/9/2023 23:47
Bromodichloromethane	U		0.49	1.6	µg/L	1	8/9/2023 23:47
Bromoform	U		0.56	1.9	µg/L	1	8/9/2023 23:47
Bromomethane	U		0.90	3.0	µg/L	1	8/9/2023 23:47
Carbon disulfide	U		0.49	1.6	µg/L	1	8/9/2023 23:47
Carbon tetrachloride	U		0.40	1.4	µg/L	1	8/9/2023 23:47
Chlorobenzene	U		0.40	1.3	µg/L	1	8/9/2023 23:47
Chloroethane	U		0.68	2.3	µg/L	1	8/9/2023 23:47
Chloroform	U		0.46	1.5	µg/L	1	8/9/2023 23:47
Chloromethane	U		0.83	2.8	µg/L	1	8/9/2023 23:47
cis-1,2-Dichloroethene	U		0.42	1.4	µg/L	1	8/9/2023 23:47
cis-1,3-Dichloropropene	U		0.57	1.9	µg/L	1	8/9/2023 23:47
Cyclohexane	U		0.63	2.1	µg/L	1	8/9/2023 23:47
Dibromochloromethane	U		0.40	1.3	µg/L	1	8/9/2023 23:47
Dichlorodifluoromethane	U		0.68	2.3	µg/L	1	8/9/2023 23:47

Note: See Qualifiers page for a list of qualifiers and their definitions.

Revision: 1

Client: EnviroForensics
Project: Martinos Cleaners 41st
Sample ID: 6165-EB-1
Collection Date: 8/1/2023 04:00 PM

Work Order: 23080570
Lab ID: 23080570-15
Matrix: WATER

Analyses	Result	Qual	MDL	PQL	Units	Dilution Factor	Date Analyzed
Ethylbenzene	U		0.34	1.1	µg/L	1	8/9/2023 23:47
Isopropylbenzene	U		0.35	1.2	µg/L	1	8/9/2023 23:47
m,p-Xylene	U		0.81	2.7	µg/L	1	8/9/2023 23:47
Methyl acetate	U		0.59	2.0	µg/L	1	8/9/2023 23:47
Methyl tert-butyl ether	U		0.45	1.5	µg/L	1	8/9/2023 23:47
Methylcyclohexane	U		0.35	1.2	µg/L	1	8/9/2023 23:47
Methylene chloride	U		0.86	2.9	µg/L	1	8/9/2023 23:47
Naphthalene	U		0.77	2.6	µg/L	1	8/9/2023 23:47
n-Propylbenzene	U		0.48	1.6	µg/L	1	8/9/2023 23:47
o-Xylene	U		0.31	1.0	µg/L	1	8/9/2023 23:47
p-Isopropyltoluene	U		0.26	0.88	µg/L	1	8/9/2023 23:47
sec-Butylbenzene	U		0.30	1.0	µg/L	1	8/9/2023 23:47
Styrene	U		0.33	1.1	µg/L	1	8/9/2023 23:47
Tetrachloroethene	U		0.39	1.3	µg/L	1	8/9/2023 23:47
Toluene	U		0.45	1.5	µg/L	1	8/9/2023 23:47
trans-1,2-Dichloroethene	U		0.48	1.6	µg/L	1	8/9/2023 23:47
trans-1,3-Dichloropropene	U		0.38	2.7	µg/L	1	8/9/2023 23:47
Trichloroethene	U		0.43	1.4	µg/L	1	8/9/2023 23:47
Trichlorofluoromethane	U		0.52	1.7	µg/L	1	8/9/2023 23:47
Vinyl chloride	U		0.53	1.8	µg/L	1	8/9/2023 23:47
Xylenes, Total	U		0.81	4.4	µg/L	1	8/9/2023 23:47
Surr: 1,2-Dichloroethane-d4	*97.2*			*80-120*	*%REC*	1	8/9/2023 23:47
Surr: 4-Bromofluorobenzene	*98.5*			*80-120*	*%REC*	1	8/9/2023 23:47
Surr: Dibromofluoromethane	*99.6*			*80-120*	*%REC*	1	8/9/2023 23:47
Surr: Toluene-d8	*101*			*80-120*	*%REC*	1	8/9/2023 23:47

Note: See Qualifiers page for a list of qualifiers and their definitions.

Revision: 1

Client: EnviroForensics
Project: Martinos Cleaners 41st
Sample ID: 6165-EB-2
Collection Date: 8/2/2023 03:30 PM

Work Order: 23080570
Lab ID: 23080570-16
Matrix: WATER

Analyses	Result	Qual	MDL	PQL	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS		Method: **SW8260D**					Analyst: **NAD**
1,1,1-Trichloroethane	U		0.46	1.5	µg/L	1	8/10/2023 00:05
1,1,2,2-Tetrachloroethane	U		0.40	1.3	µg/L	1	8/10/2023 00:05
1,1,2-Trichloroethane	U		0.46	1.5	µg/L	1	8/10/2023 00:05
1,1,2-Trichlorotrifluoroethane	U		0.52	1.7	µg/L	1	8/10/2023 00:05
1,1-Dichloroethane	U		0.44	1.5	µg/L	1	8/10/2023 00:05
1,1-Dichloroethene	U		0.40	1.4	µg/L	1	8/10/2023 00:05
1,2,3-Trichlorobenzene	U		0.42	1.4	µg/L	1	8/10/2023 00:05
1,2,3-Trichloropropane	U		0.40	1.3	µg/L	1	8/10/2023 00:05
1,2,4-Trichlorobenzene	U		0.45	1.5	µg/L	1	8/10/2023 00:05
1,2,4-Trimethylbenzene	U		0.45	1.5	µg/L	1	8/10/2023 00:05
1,2-Dibromo-3-chloropropane	U		0.43	1.4	µg/L	1	8/10/2023 00:05
1,2-Dibromoethane	U		0.41	1.4	µg/L	1	8/10/2023 00:05
1,2-Dichlorobenzene	U		0.32	1.1	µg/L	1	8/10/2023 00:05
1,2-Dichloroethane	U		0.44	1.4	µg/L	1	8/10/2023 00:05
1,2-Dichloropropane	U		0.48	1.6	µg/L	1	8/10/2023 00:05
1,3,5-Trimethylbenzene	U		0.65	2.2	µg/L	1	8/10/2023 00:05
1,3-Dichlorobenzene	U		0.33	1.1	µg/L	1	8/10/2023 00:05
1,4-Dichlorobenzene	U		0.35	1.2	µg/L	1	8/10/2023 00:05
2-Butanone	U		0.52	1.7	µg/L	1	8/10/2023 00:05
2-Hexanone	U		0.59	2.0	µg/L	1	8/10/2023 00:05
4-Methyl-2-pentanone	U		0.52	1.7	µg/L	1	8/10/2023 00:05
Acetone	U		6.2	21	µg/L	1	8/10/2023 00:05
Benzene	U		0.46	1.5	µg/L	1	8/10/2023 00:05
Bromochloromethane	U		0.45	1.5	µg/L	1	8/10/2023 00:05
Bromodichloromethane	U		0.49	1.6	µg/L	1	8/10/2023 00:05
Bromoform	U		0.56	1.9	µg/L	1	8/10/2023 00:05
Bromomethane	U		0.90	3.0	µg/L	1	8/10/2023 00:05
Carbon disulfide	U		0.49	1.6	µg/L	1	8/10/2023 00:05
Carbon tetrachloride	U		0.40	1.4	µg/L	1	8/10/2023 00:05
Chlorobenzene	U		0.40	1.3	µg/L	1	8/10/2023 00:05
Chloroethane	U		0.68	2.3	µg/L	1	8/10/2023 00:05
Chloroform	U		0.46	1.5	µg/L	1	8/10/2023 00:05
Chloromethane	U		0.83	2.8	µg/L	1	8/10/2023 00:05
cis-1,2-Dichloroethene	U		0.42	1.4	µg/L	1	8/10/2023 00:05
cis-1,3-Dichloropropene	U		0.57	1.9	µg/L	1	8/10/2023 00:05
Cyclohexane	U		0.63	2.1	µg/L	1	8/10/2023 00:05
Dibromochloromethane	U		0.40	1.3	µg/L	1	8/10/2023 00:05
Dichlorodifluoromethane	U		0.68	2.3	µg/L	1	8/10/2023 00:05

Note: See Qualifiers page for a list of qualifiers and their definitions.

Revision: 1

Client: EnviroForensics
Project: Martinos Cleaners 41st
Sample ID: 6165-EB-2
Collection Date: 8/2/2023 03:30 PM

Work Order: 23080570
Lab ID: 23080570-16
Matrix: WATER

Analyses	Result	Qual	MDL	PQL	Units	Dilution Factor	Date Analyzed
Ethylbenzene	U		0.34	1.1	µg/L	1	8/10/2023 00:05
Isopropylbenzene	U		0.35	1.2	µg/L	1	8/10/2023 00:05
m,p-Xylene	U		0.81	2.7	µg/L	1	8/10/2023 00:05
Methyl acetate	U		0.59	2.0	µg/L	1	8/10/2023 00:05
Methyl tert-butyl ether	U		0.45	1.5	µg/L	1	8/10/2023 00:05
Methylcyclohexane	U		0.35	1.2	µg/L	1	8/10/2023 00:05
Methylene chloride	U		0.86	2.9	µg/L	1	8/10/2023 00:05
Naphthalene	U		0.77	2.6	µg/L	1	8/10/2023 00:05
n-Propylbenzene	U		0.48	1.6	µg/L	1	8/10/2023 00:05
o-Xylene	U		0.31	1.0	µg/L	1	8/10/2023 00:05
p-Isopropyltoluene	U		0.26	0.88	µg/L	1	8/10/2023 00:05
sec-Butylbenzene	U		0.30	1.0	µg/L	1	8/10/2023 00:05
Styrene	U		0.33	1.1	µg/L	1	8/10/2023 00:05
Tetrachloroethene	U		0.39	1.3	µg/L	1	8/10/2023 00:05
Toluene	U		0.45	1.5	µg/L	1	8/10/2023 00:05
trans-1,2-Dichloroethene	U		0.48	1.6	µg/L	1	8/10/2023 00:05
trans-1,3-Dichloropropene	U		0.38	2.7	µg/L	1	8/10/2023 00:05
Trichloroethene	U		0.43	1.4	µg/L	1	8/10/2023 00:05
Trichlorofluoromethane	U		0.52	1.7	µg/L	1	8/10/2023 00:05
Vinyl chloride	U		0.53	1.8	µg/L	1	8/10/2023 00:05
Xylenes, Total	U		0.81	4.4	µg/L	1	8/10/2023 00:05
Surr: 1,2-Dichloroethane-d4	*104*			*80-120*	*%REC*	1	8/10/2023 00:05
Surr: 4-Bromofluorobenzene	*101*			*80-120*	*%REC*	1	8/10/2023 00:05
Surr: Dibromofluoromethane	*104*			*80-120*	*%REC*	1	8/10/2023 00:05
Surr: Toluene-d8	*102*			*80-120*	*%REC*	1	8/10/2023 00:05

Note: See Qualifiers page for a list of qualifiers and their definitions.

Revision: 1

Client: EnviroForensics
Project: Martinos Cleaners 41st
Sample ID: 6165-EB-3
Collection Date: 8/3/2023 12:00 PM

Work Order: 23080570
Lab ID: 23080570-17
Matrix: WATER

Analyses	Result	Qual	MDL	PQL	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS		Method: **SW8260D**					Analyst: **BAM**
1,1,1-Trichloroethane	U		0.46	1.5	µg/L	1	8/8/2023 05:12
1,1,2,2-Tetrachloroethane	U		0.40	1.3	µg/L	1	8/8/2023 05:12
1,1,2-Trichloroethane	U		0.46	1.5	µg/L	1	8/8/2023 05:12
1,1,2-Trichlorotrifluoroethane	U		0.52	1.7	µg/L	1	8/8/2023 05:12
1,1-Dichloroethane	U		0.44	1.5	µg/L	1	8/8/2023 05:12
1,1-Dichloroethene	U		0.40	1.4	µg/L	1	8/8/2023 05:12
1,2,3-Trichlorobenzene	U		0.42	1.4	µg/L	1	8/8/2023 05:12
1,2,3-Trichloropropane	U		0.40	1.3	µg/L	1	8/8/2023 05:12
1,2,4-Trichlorobenzene	U		0.45	1.5	µg/L	1	8/8/2023 05:12
1,2,4-Trimethylbenzene	U		0.45	1.5	µg/L	1	8/8/2023 05:12
1,2-Dibromo-3-chloropropane	U		0.43	1.4	µg/L	1	8/8/2023 05:12
1,2-Dibromoethane	U		0.41	1.4	µg/L	1	8/8/2023 05:12
1,2-Dichlorobenzene	U		0.32	1.1	µg/L	1	8/8/2023 05:12
1,2-Dichloroethane	U		0.44	1.4	µg/L	1	8/8/2023 05:12
1,2-Dichloropropane	U		0.48	1.6	µg/L	1	8/8/2023 05:12
1,3,5-Trimethylbenzene	U		0.65	2.2	µg/L	1	8/8/2023 05:12
1,3-Dichlorobenzene	U		0.33	1.1	µg/L	1	8/8/2023 05:12
1,4-Dichlorobenzene	U		0.35	1.2	µg/L	1	8/8/2023 05:12
2-Butanone	U		0.52	1.7	µg/L	1	8/8/2023 05:12
2-Hexanone	U		0.59	2.0	µg/L	1	8/8/2023 05:12
4-Methyl-2-pentanone	U		0.52	1.7	µg/L	1	8/8/2023 05:12
Acetone	U		6.2	21	µg/L	1	8/8/2023 05:12
Benzene	U		0.46	1.5	µg/L	1	8/8/2023 05:12
Bromochloromethane	U		0.45	1.5	µg/L	1	8/8/2023 05:12
Bromodichloromethane	U		0.49	1.6	µg/L	1	8/8/2023 05:12
Bromoform	U		0.56	1.9	µg/L	1	8/8/2023 05:12
Bromomethane	U		0.90	3.0	µg/L	1	8/8/2023 05:12
Carbon disulfide	U		0.49	1.6	µg/L	1	8/8/2023 05:12
Carbon tetrachloride	U		0.40	1.4	µg/L	1	8/8/2023 05:12
Chlorobenzene	U		0.40	1.3	µg/L	1	8/8/2023 05:12
Chloroethane	U		0.68	2.3	µg/L	1	8/10/2023 00:23
Chloroform	U		0.46	1.5	µg/L	1	8/8/2023 05:12
Chloromethane	U		0.83	2.8	µg/L	1	8/8/2023 05:12
cis-1,2-Dichloroethene	U		0.42	1.4	µg/L	1	8/8/2023 05:12
cis-1,3-Dichloropropene	U		0.57	1.9	µg/L	1	8/8/2023 05:12
Cyclohexane	U		0.63	2.1	µg/L	1	8/8/2023 05:12
Dibromochloromethane	U		0.40	1.3	µg/L	1	8/8/2023 05:12
Dichlorodifluoromethane	U		0.68	2.3	µg/L	1	8/8/2023 05:12

Note: See Qualifiers page for a list of qualifiers and their definitions.

Revision: 1

Client: EnviroForensics
Project: Martinos Cleaners 41st
Sample ID: 6165-EB-3
Collection Date: 8/3/2023 12:00 PM

Work Order: 23080570
Lab ID: 23080570-17
Matrix: WATER

Analyses	Result	Qual	MDL	PQL	Units	Dilution Factor	Date Analyzed
Ethylbenzene	U		0.34	1.1	µg/L	1	8/8/2023 05:12
Isopropylbenzene	U		0.35	1.2	µg/L	1	8/8/2023 05:12
m,p-Xylene	U		0.81	2.7	µg/L	1	8/8/2023 05:12
Methyl acetate	U		0.59	2.0	µg/L	1	8/8/2023 05:12
Methyl tert-butyl ether	U		0.45	1.5	µg/L	1	8/8/2023 05:12
Methylcyclohexane	U		0.35	1.2	µg/L	1	8/8/2023 05:12
Methylene chloride	U		0.86	2.9	µg/L	1	8/8/2023 05:12
Naphthalene	U		0.77	2.6	µg/L	1	8/8/2023 05:12
n-Propylbenzene	**0.53**	J	**0.48**	**1.6**	**µg/L**	1	8/8/2023 05:12
o-Xylene	U		0.31	1.0	µg/L	1	8/8/2023 05:12
p-Isopropyltoluene	U		0.26	0.88	µg/L	1	8/8/2023 05:12
sec-Butylbenzene	U		0.30	1.0	µg/L	1	8/8/2023 05:12
Styrene	U		0.33	1.1	µg/L	1	8/8/2023 05:12
Tetrachloroethene	U		0.39	1.3	µg/L	1	8/8/2023 05:12
Toluene	U		0.45	1.5	µg/L	1	8/8/2023 05:12
trans-1,2-Dichloroethene	U		0.48	1.6	µg/L	1	8/8/2023 05:12
trans-1,3-Dichloropropene	U		0.38	2.7	µg/L	1	8/8/2023 05:12
Trichloroethene	U		0.43	1.4	µg/L	1	8/8/2023 05:12
Trichlorofluoromethane	U		0.52	1.7	µg/L	1	8/8/2023 05:12
Vinyl chloride	U		0.53	1.8	µg/L	1	8/8/2023 05:12
Xylenes, Total	U		0.81	4.4	µg/L	1	8/8/2023 05:12
Surr: 1,2-Dichloroethane-d4	*95.4*			*80-120*	*%REC*	1	8/8/2023 05:12
Surr: 1,2-Dichloroethane-d4	*101*			*80-120*	*%REC*	1	8/10/2023 00:23
Surr: 4-Bromofluorobenzene	*90.4*			*80-120*	*%REC*	1	8/8/2023 05:12
Surr: 4-Bromofluorobenzene	*101*			*80-120*	*%REC*	1	8/10/2023 00:23
Surr: Dibromofluoromethane	*95.8*			*80-120*	*%REC*	1	8/8/2023 05:12
Surr: Dibromofluoromethane	*101*			*80-120*	*%REC*	1	8/10/2023 00:23
Surr: Toluene-d8	*97.8*			*80-120*	*%REC*	1	8/8/2023 05:12
Surr: Toluene-d8	*101*			*80-120*	*%REC*	1	8/10/2023 00:23

Note: See Qualifiers page for a list of qualifiers and their definitions.

Revision: 1

Client: EnviroForensics
Project: Martinos Cleaners 41st
Sample ID: TRIP BLANK
Collection Date: 8/1/2023

Work Order: 23080570
Lab ID: 23080570-18
Matrix: WATER

Analyses	Result	Qual	MDL	PQL	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS		Method: **SW8260D**					Analyst: **NAD**
1,1,1-Trichloroethane	U		0.46	1.5	µg/L	1	8/9/2023 23:10
1,1,2,2-Tetrachloroethane	U		0.40	1.3	µg/L	1	8/9/2023 23:10
1,1,2-Trichloroethane	U		0.46	1.5	µg/L	1	8/9/2023 23:10
1,1,2-Trichlorotrifluoroethane	U		0.52	1.7	µg/L	1	8/9/2023 23:10
1,1-Dichloroethane	U		0.44	1.5	µg/L	1	8/9/2023 23:10
1,1-Dichloroethene	U		0.40	1.4	µg/L	1	8/9/2023 23:10
1,2,3-Trichlorobenzene	U		0.42	1.4	µg/L	1	8/9/2023 23:10
1,2,3-Trichloropropane	U		0.40	1.3	µg/L	1	8/9/2023 23:10
1,2,4-Trichlorobenzene	U		0.45	1.5	µg/L	1	8/9/2023 23:10
1,2,4-Trimethylbenzene	U		0.45	1.5	µg/L	1	8/9/2023 23:10
1,2-Dibromo-3-chloropropane	U		0.43	1.4	µg/L	1	8/9/2023 23:10
1,2-Dibromoethane	U		0.41	1.4	µg/L	1	8/9/2023 23:10
1,2-Dichlorobenzene	U		0.32	1.1	µg/L	1	8/9/2023 23:10
1,2-Dichloroethane	U		0.44	1.4	µg/L	1	8/9/2023 23:10
1,2-Dichloropropane	U		0.48	1.6	µg/L	1	8/9/2023 23:10
1,3,5-Trimethylbenzene	U		0.65	2.2	µg/L	1	8/9/2023 23:10
1,3-Dichlorobenzene	U		0.33	1.1	µg/L	1	8/9/2023 23:10
1,4-Dichlorobenzene	U		0.35	1.2	µg/L	1	8/9/2023 23:10
2-Butanone	U		0.52	1.7	µg/L	1	8/9/2023 23:10
2-Hexanone	U		0.59	2.0	µg/L	1	8/9/2023 23:10
4-Methyl-2-pentanone	U		0.52	1.7	µg/L	1	8/9/2023 23:10
Acetone	U		6.2	21	µg/L	1	8/9/2023 23:10
Benzene	U		0.46	1.5	µg/L	1	8/9/2023 23:10
Bromochloromethane	U		0.45	1.5	µg/L	1	8/9/2023 23:10
Bromodichloromethane	U		0.49	1.6	µg/L	1	8/9/2023 23:10
Bromoform	U		0.56	1.9	µg/L	1	8/9/2023 23:10
Bromomethane	U		0.90	3.0	µg/L	1	8/9/2023 23:10
Carbon disulfide	U		0.49	1.6	µg/L	1	8/9/2023 23:10
Carbon tetrachloride	U		0.40	1.4	µg/L	1	8/9/2023 23:10
Chlorobenzene	U		0.40	1.3	µg/L	1	8/9/2023 23:10
Chloroethane	U		0.68	2.3	µg/L	1	8/9/2023 23:10
Chloroform	U		0.46	1.5	µg/L	1	8/9/2023 23:10
Chloromethane	U		0.83	2.8	µg/L	1	8/9/2023 23:10
cis-1,2-Dichloroethene	U		0.42	1.4	µg/L	1	8/9/2023 23:10
cis-1,3-Dichloropropene	U		0.57	1.9	µg/L	1	8/9/2023 23:10
Cyclohexane	U		0.63	2.1	µg/L	1	8/9/2023 23:10
Dibromochloromethane	U		0.40	1.3	µg/L	1	8/9/2023 23:10
Dichlorodifluoromethane	U		0.68	2.3	µg/L	1	8/9/2023 23:10

Note: See Qualifiers page for a list of qualifiers and their definitions.

Revision: 1

Client: EnviroForensics
Project: Martinos Cleaners 41st
Sample ID: TRIP BLANK
Collection Date: 8/1/2023

Work Order: 23080570
Lab ID: 23080570-18
Matrix: WATER

Analyses	Result	Qual	MDL	PQL	Units	Dilution Factor	Date Analyzed
Ethylbenzene	U		0.34	1.1	µg/L	1	8/9/2023 23:10
Isopropylbenzene	U		0.35	1.2	µg/L	1	8/9/2023 23:10
m,p-Xylene	U		0.81	2.7	µg/L	1	8/9/2023 23:10
Methyl acetate	U		0.59	2.0	µg/L	1	8/9/2023 23:10
Methyl tert-butyl ether	U		0.45	1.5	µg/L	1	8/9/2023 23:10
Methylcyclohexane	U		0.35	1.2	µg/L	1	8/9/2023 23:10
Methylene chloride	U		0.86	2.9	µg/L	1	8/9/2023 23:10
Naphthalene	U		0.77	2.6	µg/L	1	8/9/2023 23:10
n-Propylbenzene	U		0.48	1.6	µg/L	1	8/9/2023 23:10
o-Xylene	U		0.31	1.0	µg/L	1	8/9/2023 23:10
p-Isopropyltoluene	U		0.26	0.88	µg/L	1	8/9/2023 23:10
sec-Butylbenzene	U		0.30	1.0	µg/L	1	8/9/2023 23:10
Styrene	U		0.33	1.1	µg/L	1	8/9/2023 23:10
Tetrachloroethene	U		0.39	1.3	µg/L	1	8/9/2023 23:10
Toluene	U		0.45	1.5	µg/L	1	8/9/2023 23:10
trans-1,2-Dichloroethene	U		0.48	1.6	µg/L	1	8/9/2023 23:10
trans-1,3-Dichloropropene	U		0.38	2.7	µg/L	1	8/9/2023 23:10
Trichloroethene	U		0.43	1.4	µg/L	1	8/9/2023 23:10
Trichlorofluoromethane	U		0.52	1.7	µg/L	1	8/9/2023 23:10
Vinyl chloride	U		0.53	1.8	µg/L	1	8/9/2023 23:10
Xylenes, Total	U		0.81	4.4	µg/L	1	8/9/2023 23:10
Surr: 1,2-Dichloroethane-d4	*99.8*			*80-120*	*%REC*	1	8/9/2023 23:10
Surr: 4-Bromofluorobenzene	*104*			*80-120*	*%REC*	1	8/9/2023 23:10
Surr: Dibromofluoromethane	*97.7*			*80-120*	*%REC*	1	8/9/2023 23:10
Surr: Toluene-d8	*102*			*80-120*	*%REC*	1	8/9/2023 23:10

Note: See Qualifiers page for a list of qualifiers and their definitions.

Revision: 1

ALS Group, USA

Date: *18-Aug-23*

Client: EnviroForensics
Project: Martinos Cleaners 41st
Sample ID: 6165-FB-1
Collection Date: 8/1/2023

Work Order: 23080570
Lab ID: 23080570-19
Matrix: WATER

Analyses	Result	Qual	MDL	PQL	Units	Dilution Factor	Date Analyzed
WISCONSIN PFAS BY ISOTOPIC DILUTION		Method: **E537 MOD**					Analyst: **MNM**
Fluorotelomer Sulphonic Acid 4:2 (FtS 4:2)	U		0.87	4.7	ng/L	1	8/9/2023 23:00
Fluorotelomer Sulphonic Acid 6:2 (FtS 6:2)	U		1.8	4.7	ng/L	1	8/9/2023 23:00
Fluorotelomer Sulphonic Acid 8:2 (FtS 8:2)	U		1.1	4.7	ng/L	1	8/9/2023 23:00
Fluorotelomer Sulphonic Acid 10:2 (FtS 10:2)	U		2.2	4.7	ng/L	1	8/9/2023 23:00
Perfluorobutanesulfonic Acid (PFBS)	U		0.33	4.7	ng/L	1	8/9/2023 23:00
Perfluorobutanoic Acid (PFBA)	U		2.4	4.7	ng/L	1	8/9/2023 23:00
Perfluorodecanesulfonic Acid (PFDS)	U		1.3	4.7	ng/L	1	8/9/2023 23:00
Perfluorodecanoic Acid (PFDA)	U		1.2	4.7	ng/L	1	8/9/2023 23:00
Perfluorododecanesulfonic Acid (PFDoS)	U		0.58	4.7	ng/L	1	8/9/2023 23:00
Perfluorododecanoic Acid (PFDoA)	U		0.64	4.7	ng/L	1	8/9/2023 23:00
Perfluoroheptanesulfonic Acid (PFHpS)	U		0.53	4.7	ng/L	1	8/9/2023 23:00
Perfluoroheptanoic Acid (PFHpA)	U		1.6	4.7	ng/L	1	8/9/2023 23:00
Perfluorohexadecanoic Acid (PFHxDA)	U		1.7	4.7	ng/L	1	8/9/2023 23:00
Perfluorohexanesulfonic Acid (PFHxS)	U		0.84	4.7	ng/L	1	8/9/2023 23:00
Perfluorohexanoic Acid (PFHxA)	U		1.1	4.7	ng/L	1	8/9/2023 23:00
Perfluorononanesulfonic Acid (PFNS)	U		0.46	4.7	ng/L	1	8/9/2023 23:00
Perfluorononanoic Acid (PFNA)	U		0.81	4.7	ng/L	1	8/9/2023 23:00
Perfluorooctadecanoic Acid (PFODA)	U		0.60	4.7	ng/L	1	8/9/2023 23:00
Perfluorooctanesulfonamide (PFOSA)	U		0.66	4.7	ng/L	1	8/9/2023 23:00
Perfluorooctanesulfonic Acid (PFOS)	U		0.83	1.9	ng/L	1	8/9/2023 23:00
Perfluorooctanoic Acid (PFOA)	U		0.66	1.9	ng/L	1	8/9/2023 23:00
Perfluoropentanesulfonic Acid (PFPeS)	U		0.52	4.7	ng/L	1	8/9/2023 23:00
Perfluoropentanoic Acid (PFPeA)	U		1.2	4.7	ng/L	1	8/9/2023 23:00
Perfluorotetradecanoic Acid (PFTeA)	U		2.5	4.7	ng/L	1	8/9/2023 23:00
Perfluorotridecanoic Acid (PFTriA)	U		1.8	4.7	ng/L	1	8/9/2023 23:00
Perfluoroundecanoic Acid (PFUnA)	U		0.91	4.7	ng/L	1	8/9/2023 23:00
N-ethylperfluoro-1-octanesulfonamide	U		1.1	4.7	ng/L	1	8/9/2023 23:00
N-Ethylperfluorooctanesulfonamidoacetic Acid	U		1.4	4.7	ng/L	1	8/9/2023 23:00
N-Ethylperfluorooctanesulfonamidoethanol	U		0.98	4.7	ng/L	1	8/9/2023 23:00
N-methylperfluoro-1-octanesulfonamide	U		0.74	4.7	ng/L	1	8/9/2023 23:00

Note: See Qualifiers page for a list of qualifiers and their definitions.

Revision: 1

ALS Group, USA

Date: *18-Aug-23*

Client: EnviroForensics
Project: Martinos Cleaners 41st
Sample ID: 6165-FB-1
Collection Date: 8/1/2023

Work Order: 23080570
Lab ID: 23080570-19
Matrix: WATER

Analyses	Result	Qual	MDL	PQL	Units	Dilution Factor	Date Analyzed
N-Methylperfluorooctanesulfonamidoacetic Acid	U		0.60	4.7	ng/L	1	8/9/2023 23:00
N-Methylperfluorooctanesulfonamidoethanol	U		1.4	4.7	ng/L	1	8/9/2023 23:00
Hexafluoropropylene oxide dimer acid (HFPO-DA)	U		1.1	4.7	ng/L	1	8/9/2023 23:00
4,8-Dioxa-3H-perfluorononanoic Acid (DONA)	U		0.52	4.7	ng/L	1	8/9/2023 23:00
11Cl-Pf3OUdS	U		0.44	4.7	ng/L	1	8/9/2023 23:00
9Cl-PF3ONS	U		0.42	4.7	ng/L	1	8/9/2023 23:00
Surr: 13C2-FtS 4:2	*120*			*25-150*	*%REC*	1	8/9/2023 23:00
Surr: 13C2-FtS 6:2	*123*			*25-150*	*%REC*	1	8/9/2023 23:00
Surr: 13C2-FtS 8:2	*123*			*25-150*	*%REC*	1	8/9/2023 23:00
Surr: 13C2-PFDA	*98.8*			*25-150*	*%REC*	1	8/9/2023 23:00
Surr: 13C2-PFDoA	*97.1*			*25-150*	*%REC*	1	8/9/2023 23:00
Surr: 13C2-PFHxA	*106*			*25-150*	*%REC*	1	8/9/2023 23:00
Surr: 13C2-PFHxDA	*114*			*25-150*	*%REC*	1	8/9/2023 23:00
Surr: 13C2-PFTeA	*113*			*25-150*	*%REC*	1	8/9/2023 23:00
Surr: 13C2-PFUnA	*103*			*25-150*	*%REC*	1	8/9/2023 23:00
Surr: 13C3-HFPO-DA	*128*			*25-150*	*%REC*	1	8/9/2023 23:00
Surr: 13C3-PFBS	*125*			*25-150*	*%REC*	1	8/9/2023 23:00
Surr: 13C4-PFBA	*108*			*25-150*	*%REC*	1	8/9/2023 23:00
Surr: 13C4-PFHpA	*126*			*25-150*	*%REC*	1	8/9/2023 23:00
Surr: 13C4-PFOA	*102*			*25-150*	*%REC*	1	8/9/2023 23:00
Surr: 13C4-PFOS	*104*			*25-150*	*%REC*	1	8/9/2023 23:00
Surr: 13C5-PFNA	*100*			*25-150*	*%REC*	1	8/9/2023 23:00
Surr: 13C5-PFPeA	*121*			*25-150*	*%REC*	1	8/9/2023 23:00
Surr: 13C8-FOSA	*101*			*10-150*	*%REC*	1	8/9/2023 23:00
Surr: 18O2-PFHxS	*106*			*25-150*	*%REC*	1	8/9/2023 23:00
Surr: d5-N-EtFOSA	*88.4*			*10-150*	*%REC*	1	8/9/2023 23:00
Surr: d5-N-EtFOSAA	*121*			*25-150*	*%REC*	1	8/9/2023 23:00
Surr: d9-N-EtFOSE	*100*			*10-150*	*%REC*	1	8/9/2023 23:00
Surr: d3-N-MeFOSA	*94.0*			*10-150*	*%REC*	1	8/9/2023 23:00
Surr: d3-N-MeFOSAA	*116*			*25-150*	*%REC*	1	8/9/2023 23:00
Surr: d7-N-MeFOSE	*102*			*10-150*	*%REC*	1	8/9/2023 23:00

Note: See Qualifiers page for a list of qualifiers and their definitions.

Revision: 1

Batch ID: **221477a** Instrument ID **LCMS1** Method: **E537 Mod**

MBLK Sample ID: **MBLK-221477-221477a** Units: **ng/L** Analysis Date: **8/9/2023 06:39 PM**

Client ID: Run ID: **LCMS1_230809A** SeqNo: **9861644** Prep Date: **8/9/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Fluorotelomer Sulphonic Acid 4:2 (FtS	U	5.0								
Fluorotelomer Sulphonic Acid 6:2 (FtS	U	5.0								
Fluorotelomer Sulphonic Acid 8:2 (FtS	U	5.0								
Fluorotelomer Sulphonic Acid 10:2 (Ft	U	5.0								
Perfluorobutanesulfonic Acid (PFBS)	U	5.0								
Perfluorobutanoic Acid (PFBA)	U	5.0								
Perfluorodecanesulfonic Acid (PFDS)	U	5.0								
Perfluorodecanoic Acid (PFDA)	U	5.0								
Perfluorododecanesulfonic Acid (PFDo	U	5.0								
Perfluorododecanoic Acid (PFDoA)	U	5.0								
Perfluoroheptanesulfonic Acid (PFHpS	U	5.0								
Perfluoroheptanoic Acid (PFHpA)	U	5.0								
Perfluorohexadecanoic Acid (PFHxDA	U	5.0								
Perfluorohexanesulfonic Acid (PFHxS)	U	5.0								
Perfluorohexanoic Acid (PFHxA)	U	5.0								
Perfluorononanesulfonic Acid (PFNS)	U	5.0								
Perfluorononanoic Acid (PFNA)	U	5.0								
Perfluorooctadecanoic Acid (PFODA)	U	5.0								
Perfluorooctanesulfonamide (PFOSA)	U	5.0								
Perfluorooctanesulfonic Acid (PFOS)	U	2.0								
Perfluorooctanoic Acid (PFOA)	U	2.0								
Perfluoropentanesulfonic Acid (PFPeS	U	5.0								
Perfluoropentanoic Acid (PFPeA)	U	5.0								
Perfluorotetradecanoic Acid (PFTeA)	U	5.0								
Perfluorotridecanoic Acid (PFTriA)	U	5.0								
Perfluoroundecanoic Acid (PFUnA)	U	5.0								
N-ethylperfluoro-1-octanesulfonamide	U	5.0								
N-Ethylperfluorooctanesulfonamidoace	U	5.0								
N-Ethylperfluorooctanesulfonamidoeth	U	5.0								
N-methylperfluoro-1-octanesulfonamid	U	5.0								
N-Methylperfluorooctanesulfonamidoa	U	5.0								
N-Methylperfluorooctanesulfonamidoe	U	5.0								
Hexafluoropropylene oxide dimer acid	U	5.0								
4,8-Dioxa-3H-perfluorononanoic Acid (	U	5.0								
11Cl-Pf3OUdS	U	5.0								
9Cl-PF3ONS	U	5.0								
Surr: 13C2-FtS 4:2	*165.1*	0	*149.4*	0	*110*	*25-150*	0			
Surr: 13C2-FtS 6:2	*186.8*	0	*152*	0	*123*	*25-150*	0			
Surr: 13C2-FtS 8:2	*160.7*	0	*153.3*	0	*105*	*25-150*	0			
Surr: 13C2-PFDA	*144.4*	0	*160*	0	*90.2*	*25-150*	0			
Surr: 13C2-PFDoA	*145.4*	0	*160*	0	*90.9*	*25-150*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Revision: 1

QC BATCH REPORT

Batch ID: **221477a** Instrument ID **LCMS1** Method: **E537 Mod**

Surr: 13C2-PFHxA	*156*	0	*160*	0	*97.5*	*25-150*	0
Surr: 13C2-PFHxDA	*183.4*	0	*160*	0	*115*	*25-150*	0
Surr: 13C2-PFTeA	*166.6*	0	*160*	0	*104*	*25-150*	0
Surr: 13C2-PFUnA	*152.1*	0	*160*	0	*95.1*	*25-150*	0
Surr: 13C3-HFPO-DA	*197.5*	0	*160*	0	*123*	*25-150*	0
Surr: 13C3-PFBS	*166.5*	0	*148.8*	0	*112*	*25-150*	0
Surr: 13C4-PFBA	*144.3*	0	*160*	0	*90.2*	*25-150*	0
Surr: 13C4-PFHpA	*192.2*	0	*160*	0	*120*	*25-150*	0
Surr: 13C4-PFOA	*160.1*	0	*160*	0	*100*	*25-150*	0
Surr: 13C4-PFOS	*143.1*	0	*152.8*	0	*93.6*	*25-150*	0
Surr: 13C5-PFNA	*151*	0	*160*	0	*94.4*	*25-150*	0
Surr: 13C5-PFPeA	*179.2*	0	*160*	0	*112*	*25-150*	0
Surr: 13C8-FOSA	*164.6*	0	*160*	0	*103*	*10-150*	0
Surr: 18O2-PFHxS	*143.5*	0	*151.2*	0	*94.9*	*25-150*	0
Surr: d5-N-EtFOSA	*143.5*	0	*160*	0	*89.7*	*10-150*	0
Surr: d5-N-EtFOSAA	*173.4*	0	*160*	0	*108*	*25-150*	0
Surr: d9-N-EtFOSE	*164*	0	*160*	0	*102*	*10-150*	0
Surr: d3-N-MeFOSA	*144.5*	0	*160*	0	*90.3*	*10-150*	0
Surr: d3-N-MeFOSAA	*165*	0	*160*	0	*103*	*25-150*	0
Surr: d7-N-MeFOSE	*164.8*	0	*160*	0	*103*	*10-150*	0

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Revision: 1

Client: EnviroForensics
Work Order: 23080570
Project: Martinos Cleaners 41st

QC BATCH REPORT

Batch ID: **221477a** Instrument ID **LCMS1** Method: **E537 Mod**

LCS	Sample ID: **LCS-221477-WI-221477a**				Units: **ng/L**			Analysis Date: **8/10/2023 01:07 PM**			
Client ID:		Run ID: **LCMS1_230810A**			SeqNo: **9865314**		Prep Date: **8/9/2023**		DF: **1**		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Fluorotelomer Sulphonic Acid 4:2 (FtS	4.598	5.0	3.738	0	123	50-150	0			J
Fluorotelomer Sulphonic Acid 6:2 (FtS	5.571	5.0	3.788	0	147	50-150	0			
Fluorotelomer Sulphonic Acid 8:2 (FtS	5.619	5.0	3.838	0	146	50-150	0			
Fluorotelomer Sulphonic Acid 10:2 (Ft	4.298	5.0	3.85	0	112	50-150	0			J
Perfluorobutanesulfonic Acid (PFBS)	4.323	5.0	3.538	0	122	50-150	0			J
Perfluorobutanoic Acid (PFBA)	5.434	5.0	4	0	136	50-150	0			
Perfluorodecanesulfonic Acid (PFDS)	4.816	5.0	3.85	0	125	50-150	0			J
Perfluorodecanoic Acid (PFDA)	4.973	5.0	4	0	124	50-150	0			J
Perfluorododecanesulfonic Acid (PFDc	4.384	5.0	3.875	0	113	50-150	0			J
Perfluorododecanoic Acid (PFDoA)	5.021	5.0	4	0	126	50-150	0			
Perfluoroheptanesulfonic Acid (PFHpS	5.424	5.0	3.812	0	142	50-150	0			
Perfluoroheptanoic Acid (PFHpA)	4.854	5.0	4	0	121	50-150	0			J
Perfluorohexadecanoic Acid (PFHxDA	4.49	5.0	4	0	112	50-150	0			J
Perfluorohexanesulfonic Acid (PFHxS)	4.538	5.0	3.638	0	125	50-150	0			J
Perfluorohexanoic Acid (PFHxA)	5.651	5.0	4	0	141	50-150	0			
Perfluorononanesulfonic Acid (PFNS)	4.618	5.0	3.838	0	120	50-150	0			J
Perfluorononanoic Acid (PFNA)	5.35	5.0	4	0	134	50-150	0			
Perfluorooctadecanoic Acid (PFODA)	4.339	5.0	4	0	108	50-150	0			J
Perfluorooctanesulfonamide (PFOSA)	5.203	5.0	4	0	130	50-150	0			
Perfluorooctanesulfonic Acid (PFOS)	5.216	2.0	3.712	0	140	50-150	0			
Perfluorooctanoic Acid (PFOA)	5.216	2.0	4	0	130	50-150	0			
Perfluoropentanesulfonic Acid (PFPeS	5.168	5.0	3.75	0	138	50-150	0			
Perfluoropentanoic Acid (PFPeA)	4.72	5.0	4	0	118	50-150	0			J
Perfluorotetradecanoic Acid (PFTeA)	4.806	5.0	4	0	120	50-150	0			J
Perfluorotridecanoic Acid (PFTriA)	5.002	5.0	4	0	125	50-150	0			
Perfluoroundecanoic Acid (PFUnA)	4.957	5.0	4	0	124	50-150	0			J
N-ethylperfluoro-1-octanesulfonamide	3.51	5.0	4	0	87.8	50-150	0			J
N-Ethylperfluorooctanesulfonamidoace	4.947	5.0	4	0	124	50-150	0			J
N-Ethylperfluorooctanesulfonamidoeth	4.387	5.0	4	0	110	50-150	0			J
N-methylperfluoro-1-octanesulfonamid	3.853	5.0	4	0	96.3	50-150	0			J
N-Methylperfluorooctanesulfonamidoa	5.411	5.0	4	0	135	50-150	0			
N-Methylperfluorooctanesulfonamidoe	3.811	5.0	4	0	95.3	50-150	0			J
Hexafluoropropylene oxide dimer acid	4.989	5.0	4	0	125	50-150	0			J
4,8-Dioxa-3H-perfluorononanoic Acid (	5.402	5.0	3.762	0	144	50-150	0			
11Cl-Pf3OUdS	4.726	5.0	3.762	0	126	50-150	0			J
9Cl-PF3ONS	4.938	5.0	3.725	0	133	50-150	0			J
Surr: 13C2-FtS 4:2	*188.5*	0	*149.4*	0	*126*	*25-150*	0			
Surr: 13C2-FtS 6:2	*185.4*	0	*152*	0	*122*	*25-150*	0			
Surr: 13C2-FtS 8:2	*175*	0	*153.3*	0	*114*	*25-150*	0			
Surr: 13C2-PFDA	*181.5*	0	*160*	0	*113*	*25-150*	0			
Surr: 13C2-PFDoA	*165.1*	0	*160*	0	*103*	*25-150*	0			
Surr: 13C2-PFHxA	*177.2*	0	*160*	0	*111*	*25-150*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Revision: 1

Batch ID: **221477a** Instrument ID **LCMS1** Method: **E537 Mod**

Surr: 13C2-PFHxDA	*177.5*	0	*160*	0	*111*	*25-150*	0
Surr: 13C2-PFTeA	*177.9*	0	*160*	0	*111*	*25-150*	0
Surr: 13C2-PFUnA	*171.5*	0	*160*	0	*107*	*25-150*	0
Surr: 13C3-HFPO-DA	*192*	0	*160*	0	*120*	*25-150*	0
Surr: 13C3-PFBS	*179*	0	*148.8*	0	*120*	*25-150*	0
Surr: 13C4-PFBA	*169.5*	0	*160*	0	*106*	*25-150*	0
Surr: 13C4-PFHpA	*200.3*	0	*160*	0	*125*	*25-150*	0
Surr: 13C4-PFOA	*186.8*	0	*160*	0	*117*	*25-150*	0
Surr: 13C4-PFOS	*164.8*	0	*152.8*	0	*108*	*25-150*	0
Surr: 13C5-PFNA	*172.8*	0	*160*	0	*108*	*25-150*	0
Surr: 13C5-PFPeA	*201*	0	*160*	0	*126*	*25-150*	0
Surr: 13C8-FOSA	*180.4*	0	*160*	0	*113*	*10-150*	0
Surr: 18O2-PFHxS	*163.9*	0	*151.2*	0	*108*	*25-150*	0
Surr: d5-N-EtFOSA	*158.8*	0	*160*	0	*99.3*	*10-150*	0
Surr: d5-N-EtFOSAA	*186.8*	0	*160*	0	*117*	*25-150*	0
Surr: d9-N-EtFOSE	*180.2*	0	*160*	0	*113*	*10-150*	0
Surr: d3-N-MeFOSA	*159.7*	0	*160*	0	*99.8*	*10-150*	0
Surr: d3-N-MeFOSAA	*170.8*	0	*160*	0	*107*	*25-150*	0
Surr: d7-N-MeFOSE	*182.7*	0	*160*	0	*114*	*10-150*	0

MS Sample ID: **23072613-01A MS** Units: **ng/L** Analysis Date: **8/9/2023 07:20 PM**

Client ID: Run ID: **LCMS1_230809A** SeqNo: **9861647** Prep Date: **8/9/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Fluorotelomer Sulphonic Acid 8:2 (FtS	40.72	4.8	29.59	0	138	61-165	0			
Fluorotelomer Sulphonic Acid 10:2 (Ft	46.15	4.8	29.68	0	155	40-160	0			
Perfluorododecanoic Acid (PFDoA)	40.72	4.8	30.84	0	132	72-134	0			
Perfluorooctanoic Acid (PFOA)	42.5	1.9	30.84	0	138	71-133	0			S
Perfluoroundecanoic Acid (PFUnA)	40.72	4.8	30.84	0	132	69-133	0			
Surr: 13C2-FtS 8:2	*130.3*	0	*147.7*	0	*88.2*	*25-150*	0			
Surr: 13C2-PFDoA	*121*	0	*154.2*	0	*78.5*	*25-150*	0			
Surr: 13C2-PFUnA	*133.5*	0	*154.2*	0	*86.6*	*25-150*	0			
Surr: 13C4-PFOA	*136.6*	0	*154.2*	0	*88.6*	*25-150*	0			

Client: EnviroForensics
Work Order: 23080570
Project: Martinos Cleaners 41st

QC BATCH REPORT

Batch ID: **221477a** Instrument ID **LCMS1** Method: **E537 Mod**

MS	Sample ID: **23072613-01A MS**				Units: **ng/L**			Analysis Date: **8/10/2023 01:35 PM**			
Client ID:		Run ID: **LCMS1_230810A**			SeqNo: **9865316**		Prep Date: **8/9/2023**		DF: **1**		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Fluorotelomer Sulphonic Acid 4:2 (FtS	38.78	4.8	28.81	0	135	63-143	0			
Fluorotelomer Sulphonic Acid 6:2 (FtS	40.23	4.8	29.2	0	138	63-162	0			
Perfluorobutanesulfonic Acid (PFBS)	35.06	4.8	27.27	0.6185	126	72-130	0			
Perfluorobutanoic Acid (PFBA)	41.66	4.8	30.84	0	135	73-129	0			S
Perfluorodecanesulfonic Acid (PFDS)	35.63	4.8	29.68	0	120	53-142	0			
Perfluorodecanoic Acid (PFDA)	42.55	4.8	30.84	0	138	71-129	0			S
Perfluorododecanesulfonic Acid (PFDc	31.65	4.8	29.87	0	106	69-134	0			
Perfluoroheptanesulfonic Acid (PFHpS	42.69	4.8	29.39	0	145	69-134	0			S
Perfluoroheptanoic Acid (PFHpA)	39.71	4.8	30.84	0	129	72-130	0			
Perfluorohexadecanoic Acid (PFHxDA	34.3	4.8	30.84	0	111	70-130	0			
Perfluorohexanesulfonic Acid (PFHxS)	36.59	4.8	28.04	0	130	68-131	0			
Perfluorohexanoic Acid (PFHxA)	42.81	4.8	30.84	0	139	72-129	0			S
Perfluorononanesulfonic Acid (PFNS)	38.99	4.8	29.59	0	132	69-127	0			S
Perfluorononanoic Acid (PFNA)	41.12	4.8	30.84	0	133	69-130	0			S
Perfluorooctadecanoic Acid (PFODA)	34.47	4.8	30.84	0	112	70-130	0			
Perfluorooctanesulfonamide (PFOSA)	42.39	4.8	30.84	0	137	67-137	0			S
Perfluorooctanesulfonic Acid (PFOS)	36.39	1.9	28.62	0	127	65-140	0			
Perfluoropentanesulfonic Acid (PFPeS	38.72	4.8	28.91	0	134	71-127	0			S
Perfluoropentanoic Acid (PFPeA)	39.51	4.8	30.84	0	128	72-129	0			
Perfluorotetradecanoic Acid (PFTeA)	40.34	4.8	30.84	0	131	71-132	0			
Perfluorotridecanoic Acid (PFTriA)	43.69	4.8	30.84	0	142	65-144	0			
N-ethylperfluoro-1-octanesulfonamide	37.2	4.8	30.84	0	121	70-130	0			
N-Ethylperfluorooctanesulfonamidoace	42.64	4.8	30.84	0	138	61-135	0			S
N-Ethylperfluorooctanesulfonamidoeth	38.86	4.8	30.84	0	126	70-130	0			
N-methylperfluoro-1-octanesulfonamid	34.56	4.8	30.84	0	112	70-130	0			
N-Methylperfluorooctanesulfonamidoa	38.92	4.8	30.84	0.6675	124	65-136	0			
N-Methylperfluorooctanesulfonamidoe	36.41	4.8	30.84	0	118	68-141	0			
Hexafluoropropylene oxide dimer acid	41.03	4.8	30.84	0	133	70-130	0			S
4,8-Dioxa-3H-perfluorononanoic Acid (	41.28	4.8	29.01	0	142	70-130	0			S
11Cl-Pf3OUdS	35.74	4.8	29.01	0	123	70-130	0			
9Cl-PF3ONS	37.62	4.8	28.72	0	131	70-130	0			S
Surr: 13C2-FtS 4:2	*147.4*	0	*144*	0	*102*	*25-150*	0			
Surr: 13C2-FtS 6:2	*144.7*	0	*146.5*	0	*98.8*	*25-150*	0			
Surr: 13C2-PFDA	*133.9*	0	*154.2*	0	*86.9*	*25-150*	0			
Surr: 13C2-PFHxA	*144*	0	*154.2*	0	*93.4*	*25-150*	0			
Surr: 13C2-PFHxDA	*120.4*	0	*154.2*	0	*78.1*	*25-150*	0			
Surr: 13C2-PFTeA	*110.8*	0	*154.2*	0	*71.8*	*25-150*	0			
Surr: 13C3-HFPO-DA	*154.9*	0	*154.2*	0	*100*	*25-150*	0			
Surr: 13C3-PFBS	*145.3*	0	*143.4*	0	*101*	*25-150*	0			
Surr: 13C4-PFBA	*137.5*	0	*154.2*	0	*89.2*	*25-150*	0			
Surr: 13C4-PFHpA	*148.9*	0	*154.2*	0	*96.6*	*25-150*	0			
Surr: 13C4-PFOS	*135.4*	0	*147.3*	0	*91.9*	*25-150*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Revision: 1

Batch ID: **221477a** Instrument ID **LCMS1** Method: **E537 Mod**

Surr: 13C5-PFNA	*138.4*	0	*154.2*	0	*89.8*	*25-150*	0
Surr: 13C5-PFPeA	*157*	0	*154.2*	0	*102*	*25-150*	0
Surr: 13C8-FOSA	*129*	0	*154.2*	0	*83.7*	*10-150*	0
Surr: 18O2-PFHxS	*135.6*	0	*145.7*	0	*93.1*	*25-150*	0
Surr: d5-N-EtFOSA	*121.5*	0	*154.2*	0	*78.8*	*10-150*	0
Surr: d5-N-EtFOSAA	*143*	0	*154.2*	0	*92.7*	*25-150*	0
Surr: d9-N-EtFOSE	*127.1*	0	*154.2*	0	*82.4*	*10-150*	0
Surr: d3-N-MeFOSA	*124.5*	0	*154.2*	0	*80.7*	*10-150*	0
Surr: d3-N-MeFOSAA	*137.9*	0	*154.2*	0	*89.5*	*25-150*	0
Surr: d7-N-MeFOSE	*132.1*	0	*154.2*	0	*85.7*	*10-150*	0

MSD Sample ID: **23072613-01A MSD** Units: **ng/L** Analysis Date: **8/9/2023 07:34 PM**

Client ID: Run ID: **LCMS1_230809A** SeqNo: **9861648** Prep Date: **8/9/2023** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Fluorotelomer Sulphonic Acid 8:2 (FtS	39.01	5.1	31.17	0	125	61-165	40.72	4.29	30	
Fluorotelomer Sulphonic Acid 10:2 (Ft	46.15	5.1	31.27	0	148	40-160	46.15	0.00347	30	
Perfluorododecanoic Acid (PFDoA)	41.68	5.1	32.49	0	128	72-134	40.72	2.33	30	
Perfluorooctanoic Acid (PFOA)	38.27	2.0	32.49	0	118	71-133	42.5	10.5	30	
Perfluoroundecanoic Acid (PFUnA)	40.07	5.1	32.49	0	123	69-133	40.72	1.62	30	
Surr: 13C2-FtS 8:2	*167.4*	0	*155.6*	0	*108*	*25-150*	130.3	*24.9*	*30*	
Surr: 13C2-PFDoA	*141.5*	0	*162.5*	0	*87.1*	*25-150*	121	*15.6*	*30*	
Surr: 13C2-PFUnA	*162.5*	0	*162.5*	0	*100*	*25-150*	133.5	*19.6*	*30*	
Surr: 13C4-PFOA	*168.9*	0	*162.5*	0	*104*	*25-150*	136.6	*21.2*	*30*	

Client: EnviroForensics
Work Order: 23080570
Project: Martinos Cleaners 41st

QC BATCH REPORT

Batch ID: **221477a** Instrument ID **LCMS1** Method: **E537 Mod**

MSD	Sample ID: **23072613-01A MSD**				Units: **ng/L**			Analysis Date: **8/10/2023 01:48 PM**			
Client ID:		Run ID: **LCMS1_230810A**			SeqNo: **9865317**		Prep Date: **8/9/2023**		DF: **1**		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Fluorotelomer Sulphonic Acid 4:2 (FtS	42.14	5.1	30.36	0	139	63-143	38.78	8.33	30	
Fluorotelomer Sulphonic Acid 6:2 (FtS	36.57	5.1	30.77	0	119	63-162	40.23	9.53	30	
Perfluorobutanesulfonic Acid (PFBS)	35.46	5.1	28.73	0.6185	121	72-130	35.06	1.16	30	
Perfluorobutanoic Acid (PFBA)	42.03	5.1	32.49	0	129	73-129	41.66	0.896	30	S
Perfluorodecanesulfonic Acid (PFDS)	36.21	5.1	31.27	0	116	53-142	35.63	1.61	30	
Perfluorodecanoic Acid (PFDA)	41.05	5.1	32.49	0	126	71-129	42.55	3.59	30	
Perfluorododecanesulfonic Acid (PFDc	28.71	5.1	31.48	0	91.2	69-134	31.65	9.73	30	
Perfluoroheptanesulfonic Acid (PFHpS	40.27	5.1	30.97	0	130	69-134	42.69	5.83	30	
Perfluoroheptanoic Acid (PFHpA)	41.51	5.1	32.49	0	128	72-130	39.71	4.43	30	
Perfluorohexadecanoic Acid (PFHxDA	34.5	5.1	32.49	0	106	70-130	34.3	0.576	30	
Perfluorohexanesulfonic Acid (PFHxS)	37.83	5.1	29.55	0	128	68-131	36.59	3.32	30	
Perfluorohexanoic Acid (PFHxA)	42.16	5.1	32.49	0	130	72-129	42.81	1.53	30	S
Perfluorononanesulfonic Acid (PFNS)	35.37	5.1	31.17	0	113	69-127	38.99	9.72	30	
Perfluorononanoic Acid (PFNA)	41.86	5.1	32.49	0	129	69-130	41.12	1.8	30	
Perfluorooctadecanoic Acid (PFODA)	35.84	5.1	32.49	0	110	70-130	34.47	3.91	30	
Perfluorooctanesulfonamide (PFOSA)	40.42	5.1	32.49	0	124	67-137	42.39	4.74	30	
Perfluorooctanesulfonic Acid (PFOS)	38.31	2.0	30.16	0	127	65-140	36.39	5.13	30	
Perfluoropentanesulfonic Acid (PFPeS	37.55	5.1	30.46	0	123	71-127	38.72	3.08	30	
Perfluoropentanoic Acid (PFPeA)	40.04	5.1	32.49	0	123	72-129	39.51	1.33	30	
Perfluorotetradecanoic Acid (PFTeA)	38.82	5.1	32.49	0	119	71-132	40.34	3.84	30	
Perfluorotridecanoic Acid (PFTriA)	40.24	5.1	32.49	0	124	65-144	43.69	8.24	30	
N-ethylperfluoro-1-octanesulfonamide	35.6	5.1	32.49	0	110	70-130	37.2	4.39	30	
N-Ethylperfluorooctanesulfonamidoace	40.18	5.1	32.49	0	124	61-135	42.64	5.93	30	
N-Ethylperfluorooctanesulfonamidoeth	37.62	5.1	32.49	0	116	70-130	38.86	3.22	30	
N-methylperfluoro-1-octanesulfonamid	33.24	5.1	32.49	0	102	70-130	34.56	3.92	30	
N-Methylperfluorooctanesulfonamidoa	41.81	5.1	32.49	0.6675	127	65-136	38.92	7.15	30	
N-Methylperfluorooctanesulfonamidoe	36.62	5.1	32.49	0	113	68-141	36.41	0.577	30	
Hexafluoropropylene oxide dimer acid	41.67	5.1	32.49	0	128	70-130	41.03	1.56	30	
4,8-Dioxa-3H-perfluorononanoic Acid (	37.74	5.1	30.56	0	123	70-130	41.28	8.97	30	
11Cl-Pf3OUdS	36.07	5.1	30.56	0	118	70-130	35.74	0.903	30	
9Cl-PF3ONS	36.49	5.1	30.26	0	121	70-130	37.62	3.03	30	
Surr: 13C2-FtS 4:2	*167.3*	0	*151.7*	0	*110*	*25-150*	147.4	*12.6*	*30*	
Surr: 13C2-FtS 6:2	*181.2*	0	*154.3*	0	*117*	*25-150*	144.7	*22.4*	*30*	
Surr: 13C2-PFDA	*167.7*	0	*162.5*	0	*103*	*25-150*	133.9	*22.4*	*30*	
Surr: 13C2-PFHxA	*168.7*	0	*162.5*	0	*104*	*25-150*	144	*15.8*	*30*	
Surr: 13C2-PFHxDA	*142.9*	0	*162.5*	0	*88*	*25-150*	120.4	*17.1*	*30*	
Surr: 13C2-PFTeA	*138.8*	0	*162.5*	0	*85.5*	*25-150*	110.8	*22.5*	*30*	
Surr: 13C3-HFPO-DA	*180*	0	*162.5*	0	*111*	*25-150*	154.9	*15*	*30*	
Surr: 13C3-PFBS	*171*	0	*151.1*	0	*113*	*25-150*	145.3	*16.2*	*30*	
Surr: 13C4-PFBA	*160.3*	0	*162.5*	0	*98.7*	*25-150*	137.5	*15.3*	*30*	
Surr: 13C4-PFHpA	*173.9*	0	*162.5*	0	*107*	*25-150*	148.9	*15.5*	*30*	
Surr: 13C4-PFOS	*164.2*	0	*155.1*	0	*106*	*25-150*	135.4	*19.2*	*30*	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Revision: 1

QC BATCH REPORT

Batch ID: **221477a** Instrument ID **LCMS1** Method: **E537 Mod**

Surr: 13C5-PFNA	*165.2*	0	*162.5*	0	*102*	*25-150*	138.4	*17.7*	*30*
Surr: 13C5-PFPeA	*180.4*	0	*162.5*	0	*111*	*25-150*	157	*13.9*	*30*
Surr: 13C8-FOSA	*159.3*	0	*162.5*	0	*98.1*	*10-150*	129	*21*	*30*
Surr: 18O2-PFHxS	*161.2*	0	*153.5*	0	*105*	*25-150*	135.6	*17.3*	*30*
Surr: d5-N-EtFOSA	*153.4*	0	*162.5*	0	*94.4*	*10-150*	121.5	*23.2*	*30*
Surr: d5-N-EtFOSAA	*179*	0	*162.5*	0	*110*	*25-150*	143	*22.4*	*30*
Surr: d9-N-EtFOSE	*160.2*	0	*162.5*	0	*98.6*	*10-150*	127.1	*23*	*30*
Surr: d3-N-MeFOSA	*157.9*	0	*162.5*	0	*97.2*	*10-150*	124.5	*23.7*	*30*
Surr: d3-N-MeFOSAA	*158.1*	0	*162.5*	0	*97.3*	*25-150*	137.9	*13.6*	*30*
Surr: d7-N-MeFOSE	*156.6*	0	*162.5*	0	*96.4*	*10-150*	132.1	*17*	*30*

The following samples were analyzed in this batch:

23080570-03B	23080570-08B	23080570-10B
23080570-14B	23080570-19A	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Revision: 1

Client: EnviroForensics
Work Order: 23080570
Project: Martinos Cleaners 41st

QC BATCH REPORT

Batch ID: **R378546a** Instrument ID **VMS9** Method: **SW8260D**

MBLK Sample ID: **9V-BLKW2-230807-R378546a** Units: **µg/L** Analysis Date: **8/8/2023 03:53 AM**
Client ID: Run ID: **VMS9_230807A** SeqNo: **9853913** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	U	1.5								
1,1,2,2-Tetrachloroethane	U	1.3								
1,1,2-Trichloroethane	U	1.5								
1,1,2-Trichlorotrifluoroethane	U	1.7								
1,1-Dichloroethane	U	1.5								
1,1-Dichloroethene	U	1.4								
1,2,3-Trichlorobenzene	U	1.4								
1,2,3-Trichloropropane	U	1.3								
1,2,4-Trichlorobenzene	0.65	1.5								J
1,2,4-Trimethylbenzene	U	1.5								
1,2-Dibromo-3-chloropropane	U	1.4								
1,2-Dibromoethane	U	1.4								
1,2-Dichlorobenzene	U	1.1								
1,2-Dichloroethane	U	1.4								
1,2-Dichloropropane	U	1.6								
1,3,5-Trimethylbenzene	U	2.2								
1,3-Dichlorobenzene	0.38	1.1								J
1,4-Dichlorobenzene	0.4	1.2								J
2-Butanone	U	1.7								
2-Hexanone	U	2.0								
4-Methyl-2-pentanone	U	1.7								
Acetone	U	21								
Benzene	U	1.5								
Bromochloromethane	U	1.5								
Bromodichloromethane	U	1.6								
Bromoform	U	1.9								
Bromomethane	U	3.0								
Carbon disulfide	0.79	1.6								J
Carbon tetrachloride	U	1.4								
Chlorobenzene	U	1.3								
Chloroform	U	1.5								
Chloromethane	U	2.8								
cis-1,2-Dichloroethene	U	1.4								
cis-1,3-Dichloropropene	U	1.9								
Cyclohexane	U	2.1								
Dibromochloromethane	U	1.3								
Dichlorodifluoromethane	U	2.3								
Ethylbenzene	U	1.1								
Isopropylbenzene	U	1.2								
m,p-Xylene	0.96	2.7								J
Methyl acetate	U	2.0								
Methyl tert-butyl ether	U	1.5								

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Revision: 1

Batch ID: **R378546a** Instrument ID **VMS9** Method: **SW8260D**

Methylcyclohexane	U	1.2						
Methylene chloride	U	2.9						
Naphthalene	U	2.6						
n-Propylbenzene	0.58	1.6						J
o-Xylene	U	1.0						
p-Isopropyltoluene	0.52	0.88						J
sec-Butylbenzene	0.63	1.0						J
Styrene	U	1.1						
Tetrachloroethene	U	1.3						
Toluene	U	1.5						
trans-1,2-Dichloroethene	U	1.6						
trans-1,3-Dichloropropene	U	2.7						
Trichloroethene	U	1.4						
Trichlorofluoromethane	U	1.7						
Vinyl chloride	U	1.8						
Xylenes, Total	0.96	4.4						J
Surr: 1,2-Dichloroethane-d4	*19.56*	0	*20*	0	*97.8*	*80-120*	0	
Surr: 4-Bromofluorobenzene	*18.67*	0	*20*	0	*93.4*	*80-120*	0	
Surr: Dibromofluoromethane	*19.84*	0	*20*	0	*99.2*	*80-120*	0	
Surr: Toluene-d8	*19.69*	0	*20*	0	*98.4*	*80-120*	0	

Client: EnviroForensics
Work Order: 23080570
Project: Martinos Cleaners 41st

QC BATCH REPORT

Batch ID: **R378546a** Instrument ID **VMS9** Method: **SW8260D**

LCS	Sample ID: **9V-LCSW1-230807-R378546a**				Units: **µg/L**			Analysis Date: **8/8/2023 03:07 AM**			
Client ID:		Run ID: **VMS9_230807A**			SeqNo: **9853910**		Prep Date:		DF: **1**		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	20.01	1.5	20	0	100	75-119	0			
1,1,2,2-Tetrachloroethane	20.87	1.3	20	0	104	80-123	0			
1,1,2-Trichloroethane	20.23	1.5	20	0	101	83-118	0			
1,1,2-Trichlorotrifluoroethane	24.74	1.7	20	0	124	64-133	0			
1,1-Dichloroethane	20.17	1.5	20	0	101	73-122	0			
1,1-Dichloroethene	21.62	1.4	20	0	108	66-131	0			
1,2,3-Trichlorobenzene	21.89	1.4	20	0	109	65-140	0			
1,2,3-Trichloropropane	19.39	1.3	20	0	97	78-119	0			
1,2,4-Trichlorobenzene	22.19	1.5	20	0	111	73-127	0			
1,2,4-Trimethylbenzene	19.56	1.5	20	0	97.8	74-118	0			
1,2-Dibromo-3-chloropropane	19.63	1.4	20	0	98.2	52-141	0			
1,2-Dibromoethane	21.12	1.4	20	0	106	60-159	0			
1,2-Dichlorobenzene	19.86	1.1	20	0	99.3	80-119	0			
1,2-Dichloroethane	19.78	1.4	20	0	98.9	78-121	0			
1,2-Dichloropropane	20.03	1.6	20	0	100	78-120	0			
1,3,5-Trimethylbenzene	19.56	2.2	20	0	97.8	76-120	0			
1,3-Dichlorobenzene	20.96	1.1	20	0	105	80-120	0			
1,4-Dichlorobenzene	20.62	1.2	20	0	103	81-119	0			
2-Butanone	20.98	1.7	20	0	105	69-147	0			
2-Hexanone	19.58	2.0	20	0	97.9	67-140	0			
4-Methyl-2-pentanone	29.01	1.7	20	0	145	68-199	0			
Acetone	20.83	21	20	0	104	70-166	0			J
Benzene	20.83	1.5	20	0	104	78-120	0			
Bromochloromethane	21.6	1.5	20	0	108	70-125	0			
Bromodichloromethane	19.07	1.6	20	0	95.4	73-126	0			
Bromoform	19.65	1.9	20	0	98.2	60-124	0			
Bromomethane	24.3	3.0	20	0	122	20-183	0			
Carbon disulfide	22.24	1.6	20	0	111	67-159	0			
Carbon tetrachloride	20.95	1.4	20	0	105	69-124	0			
Chlorobenzene	20.99	1.3	20	0	105	80-118	0			
Chloroform	20.6	1.5	20	0	103	75-119	0			
Chloromethane	16.23	2.8	20	0	81.2	26-117	0			
cis-1,2-Dichloroethene	20.84	1.4	20	0	104	75-123	0			
cis-1,3-Dichloropropene	18.16	1.9	20	0	90.8	69-120	0			
Cyclohexane	24.27	2.1	20	0	121	66-128	0			
Dibromochloromethane	17.68	1.3	20	0	88.4	63-117	0			
Dichlorodifluoromethane	21.95	2.3	20	0	110	36-133	0			
Ethylbenzene	21.16	1.1	20	0	106	76-116	0			
Isopropylbenzene	21.46	1.2	20	0	107	77-118	0			
m,p-Xylene	41.39	2.7	40	0	103	76-119	0			
Methyl tert-butyl ether	20.53	1.5	20	0	103	77-137	0			
Methylcyclohexane	24.23	1.2	20	0	121	66-125	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Revision: 1

Batch ID: **R378546a** Instrument ID **VMS9** Method: **SW8260D**

Methylene chloride	20.99	2.9	20	0	105	68-125	0
Naphthalene	21.61	2.6	20	0	108	56-142	0
n-Propylbenzene	20.31	1.6	20	0	102	74-118	0
o-Xylene	21.11	1.0	20	0	106	77-116	0
p-Isopropyltoluene	21.5	0.88	20	0	108	77-122	0
sec-Butylbenzene	20.79	1.0	20	0	104	76-121	0
Styrene	20.55	1.1	20	0	103	76-123	0
Tetrachloroethene	22.03	1.3	20	0	110	80-124	0
Toluene	21.35	1.5	20	0	107	78-116	0
trans-1,2-Dichloroethene	20.72	1.6	20	0	104	73-124	0
trans-1,3-Dichloropropene	17.91	2.7	20	0	89.6	67-118	0
Trichloroethene	20.7	1.4	20	0	104	75-122	0
Trichlorofluoromethane	19.11	1.7	20	0	95.6	52-115	0
Vinyl chloride	21.23	1.8	20	0	106	49-122	0
Xylenes, Total	62.5	4.4	60	0	104	77-119	0
Surr: 1,2-Dichloroethane-d4	*18.88*	0	*20*	0	*94.4*	*80-120*	0
Surr: 4-Bromofluorobenzene	*18.49*	0	*20*	0	*92.4*	*80-120*	0
Surr: Dibromofluoromethane	*19.39*	0	*20*	0	*97*	*80-120*	0
Surr: Toluene-d8	*19.26*	0	*20*	0	*96.3*	*80-120*	0

Client: EnviroForensics
Work Order: 23080570
Project: Martinos Cleaners 41st

QC BATCH REPORT

Batch ID: **R378546a** Instrument ID **VMS9** Method: **SW8260D**

MS Sample ID: **23080570-13A MS** Units: **µg/L** Analysis Date: **8/8/2023 09:06 AM**

Client ID: **6165-MW-18** Run ID: **VMS9_230807A** SeqNo: **9853936** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	20.98	1.5	20	0	105	75-119	0			
1,1,2,2-Tetrachloroethane	18.95	1.3	20	0	94.8	80-123	0			
1,1,2-Trichloroethane	20.12	1.5	20	0	101	83-118	0			
1,1,2-Trichlorotrifluoroethane	26.13	1.7	20	0	131	64-133	0			
1,1-Dichloroethane	19.65	1.5	20	0	98.2	73-122	0			
1,1-Dichloroethene	21.42	1.4	20	0	107	66-131	0			
1,2,3-Trichlorobenzene	20.1	1.4	20	0	100	65-140	0			
1,2,3-Trichloropropane	19.51	1.3	20	0	97.6	78-119	0			
1,2,4-Trichlorobenzene	20.26	1.5	20	0	101	73-127	0			
1,2,4-Trimethylbenzene	19.46	1.5	20	0	97.3	74-118	0			
1,2-Dibromo-3-chloropropane	18.62	1.4	20	0	93.1	52-141	0			
1,2-Dibromoethane	21.15	1.4	20	0	106	60-159	0			
1,2-Dichlorobenzene	19.96	1.1	20	0	99.8	80-119	0			
1,2-Dichloroethane	19.64	1.4	20	0	98.2	78-121	0			
1,2-Dichloropropane	19.58	1.6	20	0	97.9	78-120	0			
1,3,5-Trimethylbenzene	20.08	2.2	20	0	100	76-120	0			
1,3-Dichlorobenzene	20.41	1.1	20	0	102	80-120	0			
1,4-Dichlorobenzene	19.95	1.2	20	0	99.8	81-119	0			
2-Butanone	19.37	1.7	20	0	96.8	69-147	0			
2-Hexanone	17.88	2.0	20	0	89.4	67-140	0			
4-Methyl-2-pentanone	26.36	1.7	20	0	132	68-199	0			
Acetone	19.77	21	20	0	98.8	70-166	0			J
Benzene	22.19	1.5	20	0	111	78-120	0			
Bromochloromethane	21.06	1.5	20	0	105	70-125	0			
Bromodichloromethane	18.97	1.6	20	0	94.8	73-126	0			
Bromoform	18.23	1.9	20	0	91.2	60-124	0			
Bromomethane	127.4	3.0	20	0	637	20-183	0			SE
Carbon disulfide	20.54	1.6	20	0	103	67-159	0			
Carbon tetrachloride	20.4	1.4	20	0	102	69-124	0			
Chlorobenzene	21.73	1.3	20	0	109	80-118	0			
Chloroform	19.27	1.5	20	0	96.4	75-119	0			
Chloromethane	19.06	2.8	20	0	95.3	26-117	0			
cis-1,2-Dichloroethene	19.49	1.4	20	0.5	95	75-123	0			
cis-1,3-Dichloropropene	15.98	1.9	20	0	79.9	69-120	0			
Cyclohexane	23.1	2.1	20	0	116	66-128	0			
Dibromochloromethane	17.05	1.3	20	0	85.2	63-117	0			
Dichlorodifluoromethane	26.04	2.3	20	0	130	36-133	0			
Ethylbenzene	21.81	1.1	20	0	109	76-116	0			
Isopropylbenzene	22.23	1.2	20	0	111	77-118	0			
m,p-Xylene	42.93	2.7	40	0	107	76-119	0			
Methyl tert-butyl ether	18.51	1.5	20	0	92.6	77-137	0			
Methylcyclohexane	24.18	1.2	20	0	121	66-125	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Revision: 1

QC BATCH REPORT

Batch ID: **R378546a** Instrument ID **VMS9** Method: **SW8260D**

Methylene chloride	19.96	2.9	20	0	99.8	68-125	0	
Naphthalene	20.22	2.6	20	0	101	56-142	0	
n-Propylbenzene	21	1.6	20	0	105	74-118	0	
o-Xylene	21.27	1.0	20	0	106	77-116	0	
p-Isopropyltoluene	20.57	0.88	20	0	103	77-122	0	
sec-Butylbenzene	21.26	1.0	20	0	106	76-121	0	
Styrene	20.46	1.1	20	0	102	76-123	0	
Tetrachloroethene	25.9	1.3	20	0	130	80-124	0	S
Toluene	21.82	1.5	20	0	109	78-116	0	
trans-1,2-Dichloroethene	19.9	1.6	20	0	99.5	73-124	0	
trans-1,3-Dichloropropene	16	2.7	20	0	80	67-118	0	
Trichloroethene	22.75	1.4	20	0	114	75-122	0	
Trichlorofluoromethane	29.47	1.7	20	0	147	52-115	0	S
Vinyl chloride	27.16	1.8	20	0	136	49-122	0	S
Xylenes, Total	64.2	4.4	60	0	107	77-119	0	
Surr: 1,2-Dichloroethane-d4	*18.55*	0	*20*	0	*92.8*	*80-120*	0	
Surr: 4-Bromofluorobenzene	*18.44*	0	*20*	0	*92.2*	*80-120*	0	
Surr: Dibromofluoromethane	*20.18*	0	*20*	0	*101*	*80-120*	0	
Surr: Toluene-d8	*19.08*	0	*20*	0	*95.4*	*80-120*	0	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Revision: 1

Client: EnviroForensics
Work Order: 23080570
Project: Martinos Cleaners 41st

QC BATCH REPORT

Batch ID: **R378546a** Instrument ID **VMS9** Method: **SW8260D**

MSD Sample ID: **23080570-13A MSD** Units: **µg/L** Analysis Date: **8/8/2023 09:22 AM**

Client ID: **6165-MW-18** Run ID: **VMS9_230807A** SeqNo: **9853937** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	20.87	1.5	20	0	104	75-119	20.98	0.526	30	
1,1,2,2-Tetrachloroethane	19.88	1.3	20	0	99.4	80-123	18.95	4.79	30	
1,1,2-Trichloroethane	20.89	1.5	20	0	104	83-118	20.12	3.76	30	
1,1,2-Trichlorotrifluoroethane	26.23	1.7	20	0	131	64-133	26.13	0.382	30	
1,1-Dichloroethane	19.98	1.5	20	0	99.9	73-122	19.65	1.67	30	
1,1-Dichloroethene	21.93	1.4	20	0	110	66-131	21.42	2.35	30	
1,2,3-Trichlorobenzene	21.93	1.4	20	0	110	65-140	20.1	8.71	30	
1,2,3-Trichloropropane	19.59	1.3	20	0	98	78-119	19.51	0.409	30	
1,2,4-Trichlorobenzene	21.2	1.5	20	0	106	73-127	20.26	4.53	30	
1,2,4-Trimethylbenzene	19.85	1.5	20	0	99.2	74-118	19.46	1.98	30	
1,2-Dibromo-3-chloropropane	19.26	1.4	20	0	96.3	52-141	18.62	3.38	30	
1,2-Dibromoethane	21.67	1.4	20	0	108	60-159	21.15	2.43	30	
1,2-Dichlorobenzene	20.09	1.1	20	0	100	80-119	19.96	0.649	30	
1,2-Dichloroethane	20.03	1.4	20	0	100	78-121	19.64	1.97	30	
1,2-Dichloropropane	20.86	1.6	20	0	104	78-120	19.58	6.33	30	
1,3,5-Trimethylbenzene	20.17	2.2	20	0	101	76-120	20.08	0.447	30	
1,3-Dichlorobenzene	20.89	1.1	20	0	104	80-120	20.41	2.32	30	
1,4-Dichlorobenzene	21.47	1.2	20	0	107	81-119	19.95	7.34	30	
2-Butanone	18.96	1.7	20	0	94.8	69-147	19.37	2.14	30	
2-Hexanone	18	2.0	20	0	90	67-140	17.88	0.669	30	
4-Methyl-2-pentanone	27.04	1.7	20	0	135	68-199	26.36	2.55	30	
Acetone	19.51	21	20	0	97.6	70-166	19.77	0	30	J
Benzene	21.61	1.5	20	0	108	78-120	22.19	2.65	30	
Bromochloromethane	20.6	1.5	20	0	103	70-125	21.06	2.21	30	
Bromodichloromethane	19.2	1.6	20	0	96	73-126	18.97	1.21	30	
Bromoform	18.49	1.9	20	0	92.4	60-124	18.23	1.42	30	
Bromomethane	129.4	3.0	20	0	647	20-183	127.4	1.57	30	SE
Carbon disulfide	21.3	1.6	20	0	106	67-159	20.54	3.63	30	
Carbon tetrachloride	21.43	1.4	20	0	107	69-124	20.4	4.92	30	
Chlorobenzene	21.38	1.3	20	0	107	80-118	21.73	1.62	30	
Chloroform	19.56	1.5	20	0	97.8	75-119	19.27	1.49	30	
Chloromethane	18.42	2.8	20	0	92.1	26-117	19.06	3.42	30	
cis-1,2-Dichloroethene	19.14	1.4	20	0.5	93.2	75-123	19.49	1.81	30	
cis-1,3-Dichloropropene	16.45	1.9	20	0	82.2	69-120	15.98	2.9	30	
Cyclohexane	22.9	2.1	20	0	114	66-128	23.1	0.87	30	
Dibromochloromethane	18	1.3	20	0	90	63-117	17.05	5.42	30	
Dichlorodifluoromethane	26.6	2.3	20	0	133	36-133	26.04	2.13	30	
Ethylbenzene	22.1	1.1	20	0	110	76-116	21.81	1.32	30	
Isopropylbenzene	22.86	1.2	20	0	114	77-118	22.23	2.79	30	
m,p-Xylene	43.09	2.7	40	0	108	76-119	42.93	0.372	30	
Methyl tert-butyl ether	18.75	1.5	20	0	93.8	77-137	18.51	1.29	30	
Methylcyclohexane	23.91	1.2	20	0	120	66-125	24.18	1.12	30	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Revision: 1

QC BATCH REPORT

Batch ID: **R378546a** Instrument ID **VMS9** Method: **SW8260D**

Methylene chloride	19.74	2.9	20	0	98.7	68-125	19.96	1.11	30	
Naphthalene	21	2.6	20	0	105	56-142	20.22	3.78	30	
n-Propylbenzene	21.5	1.6	20	0	108	74-118	21	2.35	30	
o-Xylene	21.76	1.0	20	0	109	77-116	21.27	2.28	30	
p-Isopropyltoluene	21.49	0.88	20	0	107	77-122	20.57	4.37	30	
sec-Butylbenzene	21.87	1.0	20	0	109	76-121	21.26	2.83	30	
Styrene	20.81	1.1	20	0	104	76-123	20.46	1.7	30	
Tetrachloroethene	24.66	1.3	20	0	123	80-124	25.9	4.91	30	
Toluene	22.44	1.5	20	0	112	78-116	21.82	2.8	30	
trans-1,2-Dichloroethene	19.81	1.6	20	0	99	73-124	19.9	0.453	30	
trans-1,3-Dichloropropene	16.19	2.7	20	0	81	67-118	16	1.18	30	
Trichloroethene	22.03	1.4	20	0	110	75-122	22.75	3.22	30	
Trichlorofluoromethane	30.6	1.7	20	0	153	52-115	29.47	3.76	30	S
Vinyl chloride	26.95	1.8	20	0	135	49-122	27.16	0.776	30	S
Xylenes, Total	64.85	4.4	60	0	108	77-119	64.2	1.01	30	
Surr: 1,2-Dichloroethane-d4	*18.6*	0	*20*	0	*93*	*80-120*	18.55	*0.269*	*30*	
Surr: 4-Bromofluorobenzene	*18.57*	0	*20*	0	*92.8*	*80-120*	18.44	*0.703*	*30*	
Surr: Dibromofluoromethane	*19.34*	0	*20*	0	*96.7*	*80-120*	20.18	*4.25*	*30*	
Surr: Toluene-d8	*19.38*	0	*20*	0	*96.9*	*80-120*	19.08	*1.56*	*30*	

The following samples were analyzed in this batch:

23080570-01A	23080570-02A	23080570-03A
23080570-04A	23080570-05A	23080570-06A
23080570-07A	23080570-08A	23080570-09A
23080570-10A	23080570-11A	23080570-12A
23080570-13A	23080570-14A	23080570-15A
23080570-16A	23080570-17A	23080570-18A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Revision: 1

QC BATCH REPORT

Batch ID: **R378617c** Instrument ID **VMS12** Method: **SW8260D**

MBLK Sample ID: **12V-BLKW2-230808-R378617c** Units: **µg/L** Analysis Date: **8/9/2023 01:05 AM**
Client ID: Run ID: **VMS12_230808B** SeqNo: **9857457** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
cis-1,2-Dichloroethene	U	1.4								
Isopropylbenzene	U	1.2								
Tetrachloroethene	U	1.3								
Trichloroethene	U	1.4								
Surr: 1,2-Dichloroethane-d4	*20.4*	0	*20*	0	*102*	*80-120*	0			
Surr: 4-Bromofluorobenzene	*18.88*	0	*20*	0	*94.4*	*80-120*	0			
Surr: Dibromofluoromethane	*19.43*	0	*20*	0	*97.2*	*80-120*	0			
Surr: Toluene-d8	*19.72*	0	*20*	0	*98.6*	*80-120*	0			

LCS Sample ID: **12V-LCSW2-230808-R378617c** Units: **µg/L** Analysis Date: **8/8/2023 11:52 PM**
Client ID: Run ID: **VMS12_230808B** SeqNo: **9857455** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
cis-1,2-Dichloroethene	18.63	1.4	20	0	93.2	75-123	0			
Isopropylbenzene	19.26	1.2	20	0	96.3	77-118	0			
Tetrachloroethene	18.98	1.3	20	0	94.9	80-124	0			
Trichloroethene	17.77	1.4	20	0	88.8	75-122	0			
Surr: 1,2-Dichloroethane-d4	*19.68*	0	*20*	0	*98.4*	*80-120*	0			
Surr: 4-Bromofluorobenzene	*20.31*	0	*20*	0	*102*	*80-120*	0			
Surr: Dibromofluoromethane	*18.95*	0	*20*	0	*94.8*	*80-120*	0			
Surr: Toluene-d8	*19.94*	0	*20*	0	*99.7*	*80-120*	0			

MS Sample ID: **23080570-06A MS** Units: **µg/L** Analysis Date: **8/9/2023 09:05 AM**
Client ID: **6165-MW-6** Run ID: **VMS12_230808B** SeqNo: **9857477** Prep Date: DF: **5**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
cis-1,2-Dichloroethene	89.95	6.9	100	0	90	75-123	0			
Isopropylbenzene	109	5.8	100	0	109	77-118	0			
Tetrachloroethene	106.8	6.6	100	0	107	80-124	0			
Trichloroethene	97.4	7.2	100	0	97.4	75-122	0			
Surr: 1,2-Dichloroethane-d4	*99.6*	0	*100*	0	*99.6*	*80-120*	0			
Surr: 4-Bromofluorobenzene	*97.95*	0	*100*	0	*98*	*80-120*	0			
Surr: Dibromofluoromethane	*93.7*	0	*100*	0	*93.7*	*80-120*	0			
Surr: Toluene-d8	*99.2*	0	*100*	0	*99.2*	*80-120*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Revision: 1

Client: EnviroForensics
Work Order: 23080570
Project: Martinos Cleaners 41st

QC BATCH REPORT

Batch ID: **R378617c** Instrument ID **VMS12** Method: **SW8260D**

MSD Sample ID: **23080570-06A MSD** Units: **µg/L** Analysis Date: **8/9/2023 09:29 AM**

Client ID: **6165-MW-6** Run ID: **VMS12_230808B** SeqNo: **9857478** Prep Date: DF: **5**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
cis-1,2-Dichloroethene	94.7	6.9	100	0	94.7	75-123	89.95	5.14	30	
Isopropylbenzene	111.5	5.8	100	0	112	77-118	109	2.31	30	
Tetrachloroethene	105.7	6.6	100	0	106	80-124	106.8	1.04	30	
Trichloroethene	98.65	7.2	100	0	98.6	75-122	97.4	1.28	30	
Surr: 1,2-Dichloroethane-d4	*97.15*	0	*100*	0	*97.2*	*80-120*	99.6	*2.49*	*30*	
Surr: 4-Bromofluorobenzene	*98.05*	0	*100*	0	*98*	*80-120*	97.95	*0.102*	*30*	
Surr: Dibromofluoromethane	*96.75*	0	*100*	0	*96.8*	*80-120*	93.7	*3.2*	*30*	
Surr: Toluene-d8	*103*	0	*100*	0	*103*	*80-120*	99.2	*3.81*	*30*	

The following samples were analyzed in this batch: 23080570-02A 23080570-03A 23080570-06A 23080570-07A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Revision: 1

QC BATCH REPORT

Batch ID: **R378712w** Instrument ID **VMS8** Method: **SW8260D**

MBLK Sample ID: **8V-BLKW2-230809-R378712w** Units: **µg/L** Analysis Date: **8/9/2023 10:33 PM**
Client ID: Run ID: **VMS8_230809B** SeqNo: **9862527** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	U	1.5								
1,1,2,2-Tetrachloroethane	U	1.3								
1,1,2-Trichloroethane	U	1.5								
1,1,2-Trichlorotrifluoroethane	U	1.7								
1,1-Dichloroethane	U	1.5								
1,1-Dichloroethene	U	1.4								
1,2,3-Trichlorobenzene	U	1.4								
1,2,3-Trichloropropane	U	1.3								
1,2,4-Trichlorobenzene	U	1.5								
1,2,4-Trimethylbenzene	U	1.5								
1,2-Dibromo-3-chloropropane	U	1.4								
1,2-Dibromoethane	U	1.4								
1,2-Dichlorobenzene	U	1.1								
1,2-Dichloroethane	U	1.4								
1,2-Dichloropropane	U	1.6								
1,3,5-Trimethylbenzene	U	2.2								
1,3-Dichlorobenzene	U	1.1								
1,4-Dichlorobenzene	U	1.2								
2-Butanone	U	1.7								
2-Hexanone	U	2.0								
4-Methyl-2-pentanone	U	1.7								
Acetone	U	21								
Benzene	U	1.5								
Bromochloromethane	U	1.5								
Bromodichloromethane	U	1.6								
Bromoform	U	1.9								
Bromomethane	U	3.0								
Carbon disulfide	U	1.6								
Carbon tetrachloride	U	1.4								
Chlorobenzene	U	1.3								
Chloroethane	U	2.3								
Chloroform	U	1.5								
Chloromethane	U	2.8								
cis-1,2-Dichloroethene	U	1.4								
cis-1,3-Dichloropropene	U	1.9								
Cyclohexane	U	2.1								
Dibromochloromethane	U	1.3								
Dichlorodifluoromethane	U	2.3								
Ethylbenzene	U	1.1								
Isopropylbenzene	U	1.2								
m,p-Xylene	U	2.7								
Methyl acetate	U	2.0								

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Revision: 1

Batch ID: **R378712w** Instrument ID **VMS8** Method: **SW8260D**

Methyl tert-butyl ether	U	1.5					
Methylcyclohexane	U	1.2					
Methylene chloride	U	2.9					
Naphthalene	U	2.6					
n-Propylbenzene	U	1.6					
o-Xylene	U	1.0					
p-Isopropyltoluene	U	0.88					
sec-Butylbenzene	U	1.0					
Styrene	U	1.1					
Tetrachloroethene	U	1.3					
Toluene	U	1.5					
trans-1,2-Dichloroethene	U	1.6					
trans-1,3-Dichloropropene	U	2.7					
Trichloroethene	U	1.4					
Trichlorofluoromethane	U	1.7					
Vinyl chloride	U	1.8					
Xylenes, Total	U	4.4					
Surr: 1,2-Dichloroethane-d4	*19.28*	0	*20*	0	*96.4*	*80-120*	0
Surr: 4-Bromofluorobenzene	*21.04*	0	*20*	0	*105*	*80-120*	0
Surr: Dibromofluoromethane	*20.24*	0	*20*	0	*101*	*80-120*	0
Surr: Toluene-d8	*21.25*	0	*20*	0	*106*	*80-120*	0

Client: EnviroForensics
Work Order: 23080570
Project: Martinos Cleaners 41st

QC BATCH REPORT

Batch ID: **R378712w** Instrument ID **VMS8** Method: **SW8260D**

LCS	Sample ID: **8V-LCSW2-230809-R378712w**				Units: **µg/L**			Analysis Date: **8/9/2023 09:38 PM**			
Client ID:		Run ID: **VMS8_230809B**			SeqNo: **9862525**		Prep Date:		DF: **1**		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	18.56	1.5	20	0	92.8	75-119	0			
1,1,2,2-Tetrachloroethane	19.11	1.3	20	0	95.6	80-123	0			
1,1,2-Trichloroethane	18.68	1.5	20	0	93.4	83-118	0			
1,1,2-Trichlorotrifluoroethane	19.86	1.7	20	0	99.3	64-133	0			
1,1-Dichloroethane	19.41	1.5	20	0	97	73-122	0			
1,1-Dichloroethene	19.65	1.4	20	0	98.2	66-131	0			
1,2,3-Trichlorobenzene	19.5	1.4	20	0	97.5	65-140	0			
1,2,3-Trichloropropane	19.19	1.3	20	0	96	78-119	0			
1,2,4-Trichlorobenzene	19.45	1.5	20	0	97.2	73-127	0			
1,2,4-Trimethylbenzene	19.06	1.5	20	0	95.3	74-118	0			
1,2-Dibromo-3-chloropropane	18.61	1.4	20	0	93	52-141	0			
1,2-Dibromoethane	20.81	1.4	20	0	104	60-159	0			
1,2-Dichlorobenzene	20.87	1.1	20	0	104	80-119	0			
1,2-Dichloroethane	19.62	1.4	20	0	98.1	78-121	0			
1,2-Dichloropropane	20.41	1.6	20	0	102	78-120	0			
1,3,5-Trimethylbenzene	20.04	2.2	20	0	100	76-120	0			
1,3-Dichlorobenzene	20.12	1.1	20	0	101	80-120	0			
1,4-Dichlorobenzene	21.02	1.2	20	0	105	81-119	0			
2-Butanone	21.1	1.7	20	0	106	69-147	0			
2-Hexanone	21.64	2.0	20	0	108	67-140	0			
4-Methyl-2-pentanone	21.68	1.7	20	0	108	68-199	0			
Acetone	21.4	21	20	0	107	70-166	0			
Benzene	21.02	1.5	20	0	105	78-120	0			
Bromochloromethane	22.47	1.5	20	0	112	70-125	0			
Bromodichloromethane	20.39	1.6	20	0	102	73-126	0			
Bromoform	16.49	1.9	20	0	82.4	60-124	0			
Bromomethane	19.48	3.0	20	0	97.4	20-183	0			
Carbon disulfide	21.21	1.6	20	0	106	67-159	0			
Carbon tetrachloride	17.71	1.4	20	0	88.6	69-124	0			
Chlorobenzene	19.83	1.3	20	0	99.2	80-118	0			
Chloroethane	19.7	2.3	20	0	98.5	35-136	0			
Chloroform	20.47	1.5	20	0	102	75-119	0			
Chloromethane	13.5	2.8	20	0	67.5	26-117	0			
cis-1,2-Dichloroethene	20.88	1.4	20	0	104	75-123	0			
cis-1,3-Dichloropropene	19.61	1.9	20	0	98	69-120	0			
Cyclohexane	19.7	2.1	20	0	98.5	66-128	0			
Dibromochloromethane	18.55	1.3	20	0	92.8	63-117	0			
Dichlorodifluoromethane	18.51	2.3	20	0	92.6	36-133	0			
Ethylbenzene	20.04	1.1	20	0	100	76-116	0			
Isopropylbenzene	19.79	1.2	20	0	99	77-118	0			
m,p-Xylene	39.49	2.7	40	0	98.7	76-119	0			
Methyl tert-butyl ether	25.14	1.5	20	0	126	77-137	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Revision: 1

Batch ID: **R378712w** Instrument ID **VMS8** Method: **SW8260D**

Methylcyclohexane	20.65	1.2	20	0	103	66-125	0
Methylene chloride	19.36	2.9	20	0	96.8	68-125	0
Naphthalene	19.9	2.6	20	0	99.5	56-142	0
n-Propylbenzene	19.33	1.6	20	0	96.6	74-118	0
o-Xylene	19.7	1.0	20	0	98.5	77-116	0
p-Isopropyltoluene	21.47	0.88	20	0	107	77-122	0
sec-Butylbenzene	19.78	1.0	20	0	98.9	76-121	0
Styrene	20.35	1.1	20	0	102	76-123	0
Tetrachloroethene	19.85	1.3	20	0	99.2	80-124	0
Toluene	20.71	1.5	20	0	104	78-116	0
trans-1,2-Dichloroethene	21.05	1.6	20	0	105	73-124	0
trans-1,3-Dichloropropene	19.55	2.7	20	0	97.8	67-118	0
Trichloroethene	19.1	1.4	20	0	95.5	75-122	0
Trichlorofluoromethane	18.79	1.7	20	0	94	52-115	0
Vinyl chloride	18.36	1.8	20	0	91.8	49-122	0
Xylenes, Total	59.19	4.4	60	0	98.6	77-119	0
Surr: 1,2-Dichloroethane-d4	*19.31*	0	*20*	0	*96.6*	*80-120*	0
Surr: 4-Bromofluorobenzene	*19.79*	0	*20*	0	*99*	*80-120*	0
Surr: Dibromofluoromethane	*20.02*	0	*20*	0	*100*	*80-120*	0
Surr: Toluene-d8	*19.52*	0	*20*	0	*97.6*	*80-120*	0

Client: EnviroForensics
Work Order: 23080570
Project: Martinos Cleaners 41st

QC BATCH REPORT

Batch ID: **R378712w** Instrument ID **VMS8** Method: **SW8260D**

MS Sample ID: **23080570-14A MS** Units: **µg/L** Analysis Date: **8/10/2023 05:18 AM**
Client ID: **6165-DUP-1** Run ID: **VMS8_230809B** SeqNo: **9862549** Prep Date: DF: **10**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	223.2	15	200	0	112	75-119	0			
1,1,2,2-Tetrachloroethane	217.6	13	200	0	109	80-123	0			
1,1,2-Trichloroethane	209.5	15	200	0	105	83-118	0			
1,1,2-Trichlorotrifluoroethane	231.4	17	200	0	116	64-133	0			
1,1-Dichloroethane	222.3	15	200	0	111	73-122	0			
1,1-Dichloroethene	256.9	14	200	0	128	66-131	0			
1,2,3-Trichlorobenzene	206.2	14	200	0	103	65-140	0			
1,2,3-Trichloropropane	225.5	13	200	0	113	78-119	0			
1,2,4-Trichlorobenzene	195.7	15	200	0	97.8	73-127	0			
1,2,4-Trimethylbenzene	217	15	200	0	108	74-118	0			
1,2-Dibromo-3-chloropropane	213.8	14	200	0	107	52-141	0			
1,2-Dibromoethane	238.5	14	200	0	119	60-159	0			
1,2-Dichlorobenzene	219	11	200	0	110	80-119	0			
1,2-Dichloroethane	215	14	200	0	108	78-121	0			
1,2-Dichloropropane	219.3	16	200	0	110	78-120	0			
1,3,5-Trimethylbenzene	223.6	22	200	0	112	76-120	0			
1,3-Dichlorobenzene	215	11	200	0	108	80-120	0			
1,4-Dichlorobenzene	214.4	12	200	0	107	81-119	0			
2-Butanone	242.7	17	200	0	121	69-147	0			
2-Hexanone	253	20	200	0	126	67-140	0			
4-Methyl-2-pentanone	224.9	17	200	0	112	68-199	0			
Acetone	252.4	210	200	0	126	70-166	0			
Benzene	242.3	15	200	0	121	78-120	0			S
Bromochloromethane	250.7	15	200	0	125	70-125	0			S
Bromodichloromethane	227.2	16	200	0	114	73-126	0			
Bromoform	190	19	200	0	95	60-124	0			
Bromomethane	196.6	30	200	0	98.3	20-183	0			
Carbon disulfide	240.1	16	200	0	120	67-159	0			
Carbon tetrachloride	220.4	14	200	0	110	69-124	0			
Chlorobenzene	211.8	13	200	0	106	80-118	0			
Chloroethane	212.6	23	200	0	106	35-136	0			
Chloroform	221.7	15	200	0	111	75-119	0			
Chloromethane	146.9	28	200	0	73.4	26-117	0			
cis-1,2-Dichloroethene	374.6	14	200	162.3	106	75-123	0			
cis-1,3-Dichloropropene	197.1	19	200	0	98.6	69-120	0			
Cyclohexane	235.2	21	200	0	118	66-128	0			
Dibromochloromethane	206.6	13	200	0	103	63-117	0			
Dichlorodifluoromethane	251.2	23	200	0	126	36-133	0			
Ethylbenzene	234.8	11	200	0	117	76-116	0			S
Isopropylbenzene	235.4	12	200	0	118	77-118	0			
m,p-Xylene	457.4	27	400	0	114	76-119	0			
Methyl tert-butyl ether	236.7	15	200	0	118	77-137	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Revision: 1

Batch ID: **R378712w** Instrument ID **VMS8** Method: **SW8260D**

Methylcyclohexane	235.9	12	200	0	118	66-125	0	
Methylene chloride	213	29	200	0	106	68-125	0	
Naphthalene	222.5	26	200	0	111	56-142	0	
n-Propylbenzene	228.6	16	200	0	114	74-118	0	
o-Xylene	231.6	10	200	0	116	77-116	0	
p-Isopropyltoluene	226.1	8.8	200	0	113	77-122	0	
sec-Butylbenzene	222.4	10	200	0	111	76-121	0	
Styrene	222.3	11	200	0	111	76-123	0	
Tetrachloroethene	598.3	13	200	345.5	126	80-124	0	S
Toluene	244.2	15	200	0	122	78-116	0	S
trans-1,2-Dichloroethene	237.7	16	200	0	119	73-124	0	
trans-1,3-Dichloropropene	197.1	27	200	0	98.6	67-118	0	
Trichloroethene	506	14	200	281	112	75-122	0	
Trichlorofluoromethane	222.5	17	200	0	111	52-115	0	
Vinyl chloride	234.3	18	200	0	117	49-122	0	
Xylenes, Total	689	44	600	0	115	77-119	0	
Surr: 1,2-Dichloroethane-d4	*202.8*	0	*200*	0	*101*	*80-120*	0	
Surr: 4-Bromofluorobenzene	*198.8*	0	*200*	0	*99.4*	*80-120*	0	
Surr: Dibromofluoromethane	*205.2*	0	*200*	0	*103*	*80-120*	0	
Surr: Toluene-d8	*208*	0	*200*	0	*104*	*80-120*	0	

Client: EnviroForensics
Work Order: 23080570
Project: Martinos Cleaners 41st

QC BATCH REPORT

Batch ID: **R378712w** Instrument ID **VMS8** Method: **SW8260D**

MSD Sample ID: **23080570-14A MSD** Units: **µg/L** Analysis Date: **8/10/2023 05:36 AM**

Client ID: **6165-DUP-1** Run ID: **VMS8_230809B** SeqNo: **9862550** Prep Date: DF: **10**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	216.1	15	200	0	108	75-119	223.2	3.23	30	
1,1,2,2-Tetrachloroethane	219	13	200	0	110	80-123	217.6	0.641	30	
1,1,2-Trichloroethane	208.4	15	200	0	104	83-118	209.5	0.526	30	
1,1,2-Trichlorotrifluoroethane	241.9	17	200	0	121	64-133	231.4	4.44	30	
1,1-Dichloroethane	214.3	15	200	0	107	73-122	222.3	3.66	30	
1,1-Dichloroethene	249.6	14	200	0	125	66-131	256.9	2.88	30	
1,2,3-Trichlorobenzene	205.1	14	200	0	103	65-140	206.2	0.535	30	
1,2,3-Trichloropropane	223.6	13	200	0	112	78-119	225.5	0.846	30	
1,2,4-Trichlorobenzene	196.2	15	200	0	98.1	73-127	195.7	0.255	30	
1,2,4-Trimethylbenzene	213.5	15	200	0	107	74-118	217	1.63	30	
1,2-Dibromo-3-chloropropane	217	14	200	0	108	52-141	213.8	1.49	30	
1,2-Dibromoethane	235.8	14	200	0	118	60-159	238.5	1.14	30	
1,2-Dichlorobenzene	228.5	11	200	0	114	80-119	219	4.25	30	
1,2-Dichloroethane	202.2	14	200	0	101	78-121	215	6.14	30	
1,2-Dichloropropane	202.3	16	200	0	101	78-120	219.3	8.06	30	
1,3,5-Trimethylbenzene	220.7	22	200	0	110	76-120	223.6	1.31	30	
1,3-Dichlorobenzene	220.6	11	200	0	110	80-120	215	2.57	30	
1,4-Dichlorobenzene	220.2	12	200	0	110	81-119	214.4	2.67	30	
2-Butanone	234.5	17	200	0	117	69-147	242.7	3.44	30	
2-Hexanone	250.1	20	200	0	125	67-140	253	1.15	30	
4-Methyl-2-pentanone	209.7	17	200	0	105	68-199	224.9	6.99	30	
Acetone	247.4	210	200	0	124	70-166	252.4	2	30	
Benzene	227.5	15	200	0	114	78-120	242.3	6.3	30	
Bromochloromethane	237.3	15	200	0	119	70-125	250.7	5.49	30	
Bromodichloromethane	218.8	16	200	0	109	73-126	227.2	3.77	30	
Bromoform	191	19	200	0	95.5	60-124	190	0.525	30	
Bromomethane	206.5	30	200	0	103	20-183	196.6	4.91	30	
Carbon disulfide	243.2	16	200	0	122	67-159	240.1	1.28	30	
Carbon tetrachloride	214.5	14	200	0	107	69-124	220.4	2.71	30	
Chlorobenzene	214.3	13	200	0	107	80-118	211.8	1.17	30	
Chloroethane	190.1	23	200	0	95	35-136	212.6	11.2	30	
Chloroform	226.7	15	200	0	113	75-119	221.7	2.23	30	
Chloromethane	144.4	28	200	0	72.2	26-117	146.9	1.72	30	
cis-1,2-Dichloroethene	381.4	14	200	162.3	110	75-123	374.6	1.8	30	
cis-1,3-Dichloropropene	193	19	200	0	96.5	69-120	197.1	2.1	30	
Cyclohexane	242.1	21	200	0	121	66-128	235.2	2.89	30	
Dibromochloromethane	200.6	13	200	0	100	63-117	206.6	2.95	30	
Dichlorodifluoromethane	243.8	23	200	0	122	36-133	251.2	2.99	30	
Ethylbenzene	229.6	11	200	0	115	76-116	234.8	2.24	30	
Isopropylbenzene	232.9	12	200	0	116	77-118	235.4	1.07	30	
m,p-Xylene	456.4	27	400	0	114	76-119	457.4	0.219	30	
Methyl tert-butyl ether	240	15	200	0	120	77-137	236.7	1.38	30	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Revision: 1

Batch ID: **R378712w** Instrument ID **VMS8** Method: **SW8260D**

Methylcyclohexane	228.4	12	200	0	114	66-125	235.9	3.23	30	
Methylene chloride	207.1	29	200	0	104	68-125	213	2.81	30	
Naphthalene	226.3	26	200	0	113	56-142	222.5	1.69	30	
n-Propylbenzene	224	16	200	0	112	74-118	228.6	2.03	30	
o-Xylene	225.3	10	200	0	113	77-116	231.6	2.76	30	
p-Isopropyltoluene	227.6	8.8	200	0	114	77-122	226.1	0.661	30	
sec-Butylbenzene	226.1	10	200	0	113	76-121	222.4	1.65	30	
Styrene	221.9	11	200	0	111	76-123	222.3	0.18	30	
Tetrachloroethene	606.5	13	200	345.5	130	80-124	598.3	1.36	30	S
Toluene	235.1	15	200	0	118	78-116	244.2	3.8	30	S
trans-1,2-Dichloroethene	236.9	16	200	0	118	73-124	237.7	0.337	30	
trans-1,3-Dichloropropene	192.8	27	200	0	96.4	67-118	197.1	2.21	30	
Trichloroethene	482.5	14	200	281	101	75-122	506	4.75	30	
Trichlorofluoromethane	258.1	17	200	0	129	52-115	222.5	14.8	30	S
Vinyl chloride	220.9	18	200	0	110	49-122	234.3	5.89	30	
Xylenes, Total	681.7	44	600	0	114	77-119	689	1.07	30	
Surr: 1,2-Dichloroethane-d4	*191.4*	0	*200*	0	*95.7*	*80-120*	202.8	*5.78*	*30*	
Surr: 4-Bromofluorobenzene	*199.5*	0	*200*	0	*99.8*	*80-120*	198.8	*0.351*	*30*	
Surr: Dibromofluoromethane	*198.1*	0	*200*	0	*99*	*80-120*	205.2	*3.52*	*30*	
Surr: Toluene-d8	*206.1*	0	*200*	0	*103*	*80-120*	208	*0.918*	*30*	

The following samples were analyzed in this batch:

23080570-01A	23080570-02A	23080570-03A
23080570-04A	23080570-05A	23080570-06A
23080570-07A	23080570-08A	23080570-09A
23080570-10A	23080570-11A	23080570-12A
23080570-13A	23080570-14A	23080570-15A
23080570-16A	23080570-17A	23080570-18A

QC BATCH REPORT

Batch ID: **R378763c** Instrument ID **VMS8** Method: **SW8260D**

MBLK Sample ID: **8V-BLKW1-230810-R378763c** Units: **µg/L** Analysis Date: **8/10/2023 11:21 AM**
Client ID: Run ID: **VMS8_230810A** SeqNo: **9867418** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	U	1.5								
1,1,2,2-Tetrachloroethane	U	1.3								
1,1,2-Trichloroethane	U	1.5								
1,1,2-Trichlorotrifluoroethane	U	1.7								
1,1-Dichloroethane	U	1.5								
1,1-Dichloroethene	U	1.4								
1,2,3-Trichlorobenzene	U	1.4								
1,2,3-Trichloropropane	U	1.3								
1,2,4-Trichlorobenzene	U	1.5								
1,2,4-Trimethylbenzene	U	1.5								
1,2-Dibromo-3-chloropropane	U	1.4								
1,2-Dibromoethane	U	1.4								
1,2-Dichlorobenzene	U	1.1								
1,2-Dichloroethane	U	1.4								
1,2-Dichloropropane	U	1.6								
1,3,5-Trimethylbenzene	U	2.2								
1,3-Dichlorobenzene	U	1.1								
1,4-Dichlorobenzene	U	1.2								
2-Butanone	U	1.7								
2-Hexanone	U	2.0								
4-Methyl-2-pentanone	U	1.7								
Acetone	U	21								
Benzene	U	1.5								
Bromochloromethane	U	1.5								
Bromodichloromethane	U	1.6								
Bromoform	U	1.9								
Bromomethane	U	3.0								
Carbon disulfide	U	1.6								
Carbon tetrachloride	U	1.4								
Chlorobenzene	U	1.3								
Chloroethane	U	2.3								
Chloroform	U	1.5								
Chloromethane	U	2.8								
cis-1,2-Dichloroethene	U	1.4								
cis-1,3-Dichloropropene	U	1.9								
Cyclohexane	U	2.1								
Dibromochloromethane	U	1.3								
Dichlorodifluoromethane	U	2.3								
Ethylbenzene	U	1.1								
Isopropylbenzene	U	1.2								
m,p-Xylene	U	2.7								
Methyl acetate	U	2.0								

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Revision: 1

Batch ID: **R378763c** Instrument ID **VMS8** Method: **SW8260D**

Methyl tert-butyl ether	U	1.5					
Methylcyclohexane	U	1.2					
Methylene chloride	U	2.9					
Naphthalene	U	2.6					
n-Propylbenzene	U	1.6					
o-Xylene	U	1.0					
p-Isopropyltoluene	U	0.88					
sec-Butylbenzene	U	1.0					
Styrene	U	1.1					
Tetrachloroethene	U	1.3					
Toluene	U	1.5					
trans-1,2-Dichloroethene	U	1.6					
trans-1,3-Dichloropropene	U	2.7					
Trichloroethene	U	1.4					
Trichlorofluoromethane	U	1.7					
Vinyl chloride	U	1.8					
Xylenes, Total	U	4.4					
Surr: 1,2-Dichloroethane-d4	*20.68*	0	*20*	0	*103*	*80-120*	0
Surr: 4-Bromofluorobenzene	*19.69*	0	*20*	0	*98.4*	*80-120*	0
Surr: Dibromofluoromethane	*20.75*	0	*20*	0	*104*	*80-120*	0
Surr: Toluene-d8	*19.7*	0	*20*	0	*98.5*	*80-120*	0

Client: EnviroForensics
Work Order: 23080570
Project: Martinos Cleaners 41st

QC BATCH REPORT

Batch ID: **R378763c** Instrument ID **VMS8** Method: **SW8260D**

LCS Sample ID: **8V-LCSW1-230810-R378763c** Units: **µg/L** Analysis Date: **8/10/2023 10:25 AM**
Client ID: Run ID: **VMS8_230810A** SeqNo: **9867416** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	22.1	1.5	20	0	110	75-119	0			
1,1,2,2-Tetrachloroethane	21.43	1.3	20	0	107	80-123	0			
1,1,2-Trichloroethane	20.43	1.5	20	0	102	83-118	0			
1,1,2-Trichlorotrifluoroethane	21.65	1.7	20	0	108	64-133	0			
1,1-Dichloroethane	21.1	1.5	20	0	106	73-122	0			
1,1-Dichloroethene	22.58	1.4	20	0	113	66-131	0			
1,2,3-Trichlorobenzene	22.37	1.4	20	0	112	65-140	0			
1,2,3-Trichloropropane	21.49	1.3	20	0	107	78-119	0			
1,2,4-Trichlorobenzene	22.62	1.5	20	0	113	73-127	0			
1,2,4-Trimethylbenzene	21.51	1.5	20	0	108	74-118	0			
1,2-Dibromo-3-chloropropane	20.44	1.4	20	0	102	52-141	0			
1,2-Dibromoethane	23.09	1.4	20	0	115	60-159	0			
1,2-Dichlorobenzene	22.67	1.1	20	0	113	80-119	0			
1,2-Dichloroethane	21.43	1.4	20	0	107	78-121	0			
1,2-Dichloropropane	21.56	1.6	20	0	108	78-120	0			
1,3,5-Trimethylbenzene	22.41	2.2	20	0	112	76-120	0			
1,3-Dichlorobenzene	23.16	1.1	20	0	116	80-120	0			
1,4-Dichlorobenzene	22.95	1.2	20	0	115	81-119	0			
2-Butanone	20.58	1.7	20	0	103	69-147	0			
2-Hexanone	21.67	2.0	20	0	108	67-140	0			
4-Methyl-2-pentanone	20.69	1.7	20	0	103	68-199	0			
Acetone	18.76	21	20	0	93.8	70-166	0			J
Benzene	23.94	1.5	20	0	120	78-120	0			
Bromochloromethane	23.99	1.5	20	0	120	70-125	0			
Bromodichloromethane	22.49	1.6	20	0	112	73-126	0			
Bromoform	19.72	1.9	20	0	98.6	60-124	0			
Bromomethane	22.95	3.0	20	0	115	20-183	0			
Carbon disulfide	23.06	1.6	20	0	115	67-159	0			
Carbon tetrachloride	21.83	1.4	20	0	109	69-124	0			
Chlorobenzene	21.46	1.3	20	0	107	80-118	0			
Chloroethane	22.57	2.3	20	0	113	35-136	0			
Chloroform	21.71	1.5	20	0	109	75-119	0			
Chloromethane	13.96	2.8	20	0	69.8	26-117	0			
cis-1,2-Dichloroethene	22.02	1.4	20	0	110	75-123	0			
cis-1,3-Dichloropropene	21.97	1.9	20	0	110	69-120	0			
Cyclohexane	21.48	2.1	20	0	107	66-128	0			
Dibromochloromethane	20.67	1.3	20	0	103	63-117	0			
Dichlorodifluoromethane	20.32	2.3	20	0	102	36-133	0			
Ethylbenzene	22.81	1.1	20	0	114	76-116	0			
Isopropylbenzene	22.39	1.2	20	0	112	77-118	0			
m,p-Xylene	44.81	2.7	40	0	112	76-119	0			
Methyl tert-butyl ether	23.71	1.5	20	0	119	77-137	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Revision: 1

Batch ID: **R378763c** Instrument ID **VMS8** Method: **SW8260D**

Methylcyclohexane	23.74	1.2	20	0	119	66-125	0	
Methylene chloride	21.7	2.9	20	0	108	68-125	0	
Naphthalene	22.14	2.6	20	0	111	56-142	0	
n-Propylbenzene	22.42	1.6	20	0	112	74-118	0	
o-Xylene	22.56	1.0	20	0	113	77-116	0	
p-Isopropyltoluene	24.44	0.88	20	0	122	77-122	0	S
sec-Butylbenzene	23.12	1.0	20	0	116	76-121	0	
Styrene	22.45	1.1	20	0	112	76-123	0	
Tetrachloroethene	22.86	1.3	20	0	114	80-124	0	
Toluene	22.91	1.5	20	0	115	78-116	0	
trans-1,2-Dichloroethene	23.46	1.6	20	0	117	73-124	0	
trans-1,3-Dichloropropene	20.97	2.7	20	0	105	67-118	0	
Trichloroethene	22.5	1.4	20	0	112	75-122	0	
Trichlorofluoromethane	18.94	1.7	20	0	94.7	52-115	0	
Vinyl chloride	20.14	1.8	20	0	101	49-122	0	
Xylenes, Total	67.37	4.4	60	0	112	77-119	0	
Surr: 1,2-Dichloroethane-d4	*20.27*	0	*20*	0	*101*	*80-120*	0	
Surr: 4-Bromofluorobenzene	*20.18*	0	*20*	0	*101*	*80-120*	0	
Surr: Dibromofluoromethane	*19.82*	0	*20*	0	*99.1*	*80-120*	0	
Surr: Toluene-d8	*19.63*	0	*20*	0	*98.2*	*80-120*	0	

Client: EnviroForensics
Work Order: 23080570
Project: Martinos Cleaners 41st

QC BATCH REPORT

Batch ID: **R378763c** Instrument ID **VMS8** Method: **SW8260D**

MS	Sample ID: **23080864-09A MS**				Units: **µg/L**			Analysis Date: **8/10/2023 06:30 PM**			
Client ID:		Run ID: **VMS8_230810A**			SeqNo: **9867440**		Prep Date:		DF: **50**		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	1080	76	1000	0	108	75-119	0			
1,1,2,2-Tetrachloroethane	941	67	1000	0	94.1	80-123	0			
1,1,2-Trichloroethane	979	77	1000	0	97.9	83-118	0			
1,1,2-Trichlorotrifluoroethane	1212	86	1000	0	121	64-133	0			
1,1-Dichloroethane	1003	74	1000	0	100	73-122	0			
1,1-Dichloroethene	1152	68	1000	0	115	66-131	0			
1,2,3-Trichlorobenzene	915	70	1000	0	91.5	65-140	0			
1,2,3-Trichloropropane	1007	66	1000	0	101	78-119	0			
1,2,4-Trichlorobenzene	970.5	76	1000	0	97	73-127	0			
1,2,4-Trimethylbenzene	1012	75	1000	0	101	74-118	0			
1,2-Dibromo-3-chloropropane	947	72	1000	0	94.7	52-141	0			
1,2-Dibromoethane	1100	68	1000	0	110	60-159	0			
1,2-Dichlorobenzene	993	54	1000	0	99.3	80-119	0			
1,2-Dichloroethane	970.5	72	1000	0	97	78-121	0			
1,2-Dichloropropane	947	80	1000	0	94.7	78-120	0			
1,3,5-Trimethylbenzene	1060	110	1000	0	106	76-120	0			
1,3-Dichlorobenzene	1014	54	1000	0	101	80-120	0			
1,4-Dichlorobenzene	1012	58	1000	0	101	81-119	0			
2-Butanone	1068	86	1000	0	107	69-147	0			
2-Hexanone	1108	98	1000	0	111	67-140	0			
4-Methyl-2-pentanone	863.5	86	1000	0	86.4	68-199	0			
Acetone	1142	1,000	1000	0	114	70-166	0			
Benzene	1380	76	1000	279.5	110	78-120	0			
Bromochloromethane	1110	74	1000	0	111	70-125	0			
Bromodichloromethane	1039	82	1000	0	104	73-126	0			
Bromoform	868.5	94	1000	0	86.8	60-124	0			
Bromomethane	958.5	150	1000	0	95.8	20-183	0			
Carbon disulfide	1137	82	1000	0	114	67-159	0			
Carbon tetrachloride	1034	68	1000	0	103	69-124	0			
Chlorobenzene	1000	67	1000	0	100	80-118	0			
Chloroethane	798	110	1000	0	79.8	35-136	0			
Chloroform	1028	76	1000	0	103	75-119	0			
Chloromethane	612.5	140	1000	0	61.2	26-117	0			
cis-1,2-Dichloroethene	1024	69	1000	0	102	75-123	0			
cis-1,3-Dichloropropene	978	96	1000	0	97.8	69-120	0			
Cyclohexane	1619	100	1000	538	108	66-128	0			
Dibromochloromethane	933	66	1000	0	93.3	63-117	0			
Dichlorodifluoromethane	996	110	1000	0	99.6	36-133	0			
Ethylbenzene	3496	56	1000	2596	90	76-116	0			
Isopropylbenzene	1182	58	1000	118	106	77-118	0			
m,p-Xylene	2334	140	2000	278.5	103	76-119	0			
Methyl tert-butyl ether	1130	76	1000	0	113	77-137	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Revision: 1

Batch ID: **R378763c** Instrument ID **VMS8** Method: **SW8260D**

Methylcyclohexane	1306	58	1000	126.5	118	66-125	0	
Methylene chloride	956	140	1000	0	95.6	68-125	0	
Naphthalene	1200	130	1000	173	103	56-142	0	
n-Propylbenzene	1296	80	1000	257.5	104	74-118	0	
o-Xylene	1068	52	1000	27.5	104	77-116	0	
p-Isopropyltoluene	1099	44	1000	0	110	77-122	0	
sec-Butylbenzene	1078	50	1000	0	108	76-121	0	
Styrene	1036	56	1000	0	104	76-123	0	
Tetrachloroethene	1182	66	1000	0	118	80-124	0	
Toluene	1160	76	1000	65	110	78-116	0	
trans-1,2-Dichloroethene	1113	80	1000	0	111	73-124	0	
trans-1,3-Dichloropropene	923.5	140	1000	0	92.4	67-118	0	
Trichloroethene	1066	72	1000	0	107	75-122	0	
Trichlorofluoromethane	1154	86	1000	0	115	52-115	0	S
Vinyl chloride	947.5	88	1000	0	94.8	49-122	0	
Xylenes, Total	3402	220	3000	306	103	77-119	0	
Surr: 1,2-Dichloroethane-d4	*967.5*	0	*1000*	0	*96.8*	*80-120*	0	
Surr: 4-Bromofluorobenzene	*979*	0	*1000*	0	*97.9*	*80-120*	0	
Surr: Dibromofluoromethane	*994.5*	0	*1000*	0	*99.4*	*80-120*	0	
Surr: Toluene-d8	*976*	0	*1000*	0	*97.6*	*80-120*	0	

Client: EnviroForensics
Work Order: 23080570
Project: Martinos Cleaners 41st

QC BATCH REPORT

Batch ID: **R378763c** Instrument ID **VMS8** Method: **SW8260D**

MSD Sample ID: **23080864-09A MSD** Units: **µg/L** Analysis Date: **8/10/2023 06:48 PM**
Client ID: Run ID: **VMS8_230810A** SeqNo: **9867441** Prep Date: DF: **50**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	1110	76	1000	0	111	75-119	1080	2.74	30	
1,1,2,2-Tetrachloroethane	981	67	1000	0	98.1	80-123	941	4.16	30	
1,1,2-Trichloroethane	995.5	77	1000	0	99.6	83-118	979	1.67	30	
1,1,2-Trichlorotrifluoroethane	1203	86	1000	0	120	64-133	1212	0.745	30	
1,1-Dichloroethane	1064	74	1000	0	106	73-122	1003	5.95	30	
1,1-Dichloroethene	1254	68	1000	0	125	66-131	1152	8.48	30	
1,2,3-Trichlorobenzene	928	70	1000	0	92.8	65-140	915	1.41	30	
1,2,3-Trichloropropane	1037	66	1000	0	104	78-119	1007	2.94	30	
1,2,4-Trichlorobenzene	990.5	76	1000	0	99	73-127	970.5	2.04	30	
1,2,4-Trimethylbenzene	1042	75	1000	0	104	74-118	1012	2.92	30	
1,2-Dibromo-3-chloropropane	995.5	72	1000	0	99.6	52-141	947	4.99	30	
1,2-Dibromoethane	1162	68	1000	0	116	60-159	1100	5.48	30	
1,2-Dichlorobenzene	1042	54	1000	0	104	80-119	993	4.86	30	
1,2-Dichloroethane	1019	72	1000	0	102	78-121	970.5	4.88	30	
1,2-Dichloropropane	1070	80	1000	0	107	78-120	947	12.2	30	
1,3,5-Trimethylbenzene	1108	110	1000	0	111	76-120	1060	4.47	30	
1,3-Dichlorobenzene	1060	54	1000	0	106	80-120	1014	4.39	30	
1,4-Dichlorobenzene	1084	58	1000	0	108	81-119	1012	6.92	30	
2-Butanone	1162	86	1000	0	116	69-147	1068	8.34	30	
2-Hexanone	1171	98	1000	0	117	67-140	1108	5.57	30	
4-Methyl-2-pentanone	980.5	86	1000	0	98	68-199	863.5	12.7	30	
Acetone	1184	1,000	1000	0	118	70-166	1142	3.61	30	
Benzene	1440	76	1000	279.5	116	78-120	1380	4.29	30	
Bromochloromethane	1162	74	1000	0	116	70-125	1110	4.53	30	
Bromodichloromethane	1110	82	1000	0	111	73-126	1039	6.61	30	
Bromoform	938.5	94	1000	0	93.8	60-124	868.5	7.75	30	
Bromomethane	1026	150	1000	0	103	20-183	958.5	6.85	30	
Carbon disulfide	1212	82	1000	0	121	67-159	1137	6.39	30	
Carbon tetrachloride	1104	68	1000	0	110	69-124	1034	6.55	30	
Chlorobenzene	1043	67	1000	0	104	80-118	1000	4.16	30	
Chloroethane	854.5	110	1000	0	85.4	35-136	798	6.84	30	
Chloroform	1071	76	1000	0	107	75-119	1028	4.05	30	
Chloromethane	594.5	140	1000	0	59.4	26-117	612.5	2.98	30	
cis-1,2-Dichloroethene	1090	69	1000	0	109	75-123	1024	6.29	30	
cis-1,3-Dichloropropene	1030	96	1000	0	103	69-120	978	5.13	30	
Cyclohexane	1678	100	1000	538	114	66-128	1619	3.58	30	
Dibromochloromethane	946.5	66	1000	0	94.6	63-117	933	1.44	30	
Dichlorodifluoromethane	978	110	1000	0	97.8	36-133	996	1.82	30	
Ethylbenzene	3706	56	1000	2596	111	76-116	3496	5.83	30	
Isopropylbenzene	1216	58	1000	118	110	77-118	1182	2.88	30	
m,p-Xylene	2402	140	2000	278.5	106	76-119	2334	2.85	30	
Methyl tert-butyl ether	1157	76	1000	0	116	77-137	1130	2.36	30	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Revision: 1

QC BATCH REPORT

Batch ID: **R378763c** Instrument ID **VMS8** Method: **SW8260D**

Methylcyclohexane	1372	58	1000	126.5	125	66-125	1306	4.93	30	
Methylene chloride	999	140	1000	0	99.9	68-125	956	4.4	30	
Naphthalene	1193	130	1000	173	102	56-142	1200	0.585	30	
n-Propylbenzene	1350	80	1000	257.5	109	74-118	1296	4.04	30	
o-Xylene	1100	52	1000	27.5	107	77-116	1068	3	30	
p-Isopropyltoluene	1120	44	1000	0	112	77-122	1099	1.89	30	
sec-Butylbenzene	1102	50	1000	0	110	76-121	1078	2.2	30	
Styrene	1050	56	1000	0	105	76-123	1036	1.25	30	
Tetrachloroethene	1258	66	1000	0	126	80-124	1182	6.27	30	S
Toluene	1191	76	1000	65	113	78-116	1160	2.59	30	
trans-1,2-Dichloroethene	1192	80	1000	0	119	73-124	1113	6.81	30	
trans-1,3-Dichloropropene	988.5	140	1000	0	98.8	67-118	923.5	6.8	30	
Trichloroethene	1152	72	1000	0	115	75-122	1066	7.75	30	
Trichlorofluoromethane	1274	86	1000	0	127	52-115	1154	9.89	30	S
Vinyl chloride	957.5	88	1000	0	95.8	49-122	947.5	1.05	30	
Xylenes, Total	3502	220	3000	306	107	77-119	3402	2.9	30	
Surr: 1,2-Dichloroethane-d4	*983*	0	*1000*	0	*98.3*	*80-120*	967.5	*1.59*	*30*	
Surr: 4-Bromofluorobenzene	*987.5*	0	*1000*	0	*98.8*	*80-120*	979	*0.864*	*30*	
Surr: Dibromofluoromethane	*1034*	0	*1000*	0	*103*	*80-120*	994.5	*3.85*	*30*	
Surr: Toluene-d8	*1006*	0	*1000*	0	*101*	*80-120*	976	*2.98*	*30*	

The following samples were analyzed in this batch: 23080570-04A 23080570-06A 23080570-17A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Revision: 1

Chain of Custody Form

ALS Group USA, Corp

Work Order: _____

Company Name	EnviroForensics	Purchase Order	2023-0019	Parameter/Method Request for Analysis	
		Company Name	EnviroForensics	A	8260 VOC
Send Report To	Brad Lewis	Invoice Attn		B	Wisconsin PFAS by Isotopic Dilution
Project Name	Martino's Cleaners 41st	Project #	6165	C	MS/MSD
Address	602 North Capitol Avenue Suite 210	Address	602 North Capitol Avenue Suite 210 Suite 210	D	
				E	
City State Zip	Indianapolis, IN 46204	City State Zip	Indianapolis, IN 46204	F	
Phone	3179727870	Phone	3179727870	G	
e-Mail Address	blewis@enviroforensics.com	e-Mail Address		H	
				I	
				J	

#	Sample Description	Date	Time	Matrix	Preservative	# Bottles	A	B	C	D	Sample Notes
1	6165-MW-1	8/3/23	0907	water	1	3	K				
2	6165-MW-2	8/2/23	1145	water	1	3	K				
3	6165-MW-3S	8/1/23	1240	water	1	3	K				
4	6165-MW-4	8/2/23	1512	water	1	3	K				
5	6165-MW-5	8/1/23	1544	water	1	3	K				
6	6165-MW-6	8/3/23	1132	water	1	3	K				
7	6165-MW-7	8/2/23	1359	water	1	3	K				
8	6165-MW-8	8/1/23	1145	water	1	3	K				
9	6165-MW-9	8/2/23	1020	water	1	3	K				
10	6165-MW-12	8/1/23	1330	water	1	3	K				

23080570
ENVIROFORENSICS: EnviroForensics
Project: Martino's Cleaners 41st

Notes: Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.

Preservative Key: 1-HCL 2-HNO3 3-H2SO4 4-NaOH 5-Na2S2O3 6-NaHSO4 7-Other 8-4 degrees C 9-5035

Required Turnaround Time: _____
X Std 10 Wk days ___ 5 Wk days ___ 2 Wk days ___ 24 hr

Results Due:

Relinquished by	Date	Time	Received by	Date	Time
Luke Moran			Flsex		
Flsex	8/5/23	930	~~Illegible~~	8/5/23	930

NOTES: 3.1°C DF2

QC Reporting Level: (check box below)

- Level II: Standard QC
- Level III: Std QC + Raw data
- Level IV: SW846 CLP-Like
- Other:

ALS Group USA, Corp | 3352 128th Ave | | Holland Michigan 49424 | TEL. (616) 399-6070

Chain of Custody Form

ALS Group USA, Corp

Work Order: _____

Company Name	EnviroForensics	Purchase Order	2023-0019	Parameter/Method Request for Analysis	
		Company Name	EnviroForensics	A	8260 VOC
Send Report To	Brad Lewis	Invoice Attn		B	Wisconsin PFAS by Isotopic Dilution
Project Name	Martino's Cleaners 41st	Project #	6165	C	MS/MSD
Address	602 North Capitol Avenue Suite 210	Address	602 North Capitol Avenue Suite 210 Suite 210	D	
				E	
City State Zip	Indianapolis, IN 46204	City State Zip	Indianapolis, IN 46204	F	
Phone	3179727870	Phone	3179727870	G	
e-Mail Address	blewis@enviroforensics.com	e-Mail Address		H	
				I	
				J	

#	Sample Description	Date	Time	Matrix	Preservative	# Bottles	A	B	C	D	Sample Notes
1	6165-MW-13	8/3/23	1013	water	1	3	X				
2	6165-MW-16	8/1/23	1155	water	1	3	X				
3	6165-MW-18	8/2/23	0925	water	9	9	X		X		
4	6165-DUP-1	———	———	water	1	5	X	X			
5	6165-EB-1	8/1/23	1600	water	1	3	X				
6	6165-EB-2	8/2/23	1530	water	1	3	X				
7	6165-EB-3	8/3/23	1200	water	1	3	X				
8	TRIP BLANK	———	———	water	1	2	X				
9											
10											

Notes: Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.

Preservative Key: 1-HCL, 2-HNO3, 3-H2SO4, 4-NaOH, 5-Na2S2O3, 6-NaHSO4, 7-Other, 8-4 degrees C, 9-5035

Required Turnaround Time: _____
☒ Std 10 Wk days ___ 5 Wk days ___ 2 Wk days ___ 24 hr

Results Due:

Relinquished by	Date	Time	Received by	Date	Time
Luke Marcum			Flex		
Flex	8/5/23	930	~~Client~~	8/5/23	930

NOTES: 3.1°C OF 2

QC Reporting Level: (check box below)

- Level II: Standard QC
- Level III: Std QC + Raw data
- Level IV: SW846 CLP-Like

Other:

ALS Group USA, Corp | 3352 128th Ave | | Holland Michigan 49424 | TEL. (616) 399-6070

Chain of Custody Form

ALS Group USA, Corp

Work Order: _____

Company Name	EnviroForensics	Purchase Order	2023 - 0019
		Company Name	EnviroForensics
Send Report To	Brad Lewis	Invoice Attn	
Project Name	Martino's Cleaners 41st	Project #	6165
Address	602 North Capitol Avenue ~~Suite 210~~	Address	602 North Capitol Avenue Suite 210 Suite 210
City State Zip	Indianapolis, IN 46204	City State Zip	Indianapolis, IN 46204
Phone	3179727870	Phone	3179727870
e-Mail Address	blewis@enviroforensics.com	e-Mail Address	

Parameter/Method Request for Analysis

A: 8260 VOC
B: Wisconsin PFAS by Isotopic Dilution
C: MS/MSD
D:
E:
F:
G:
H:
I:
J:

#	Sample Description	Date	Time	Matrix	Preservative	# Bottles	A	B	C	D	Sample Notes
1	6165-MW-1	8/3/23	0907	water	1	3	K				
2	6165-MW-2	8/2/23	1145	water	1	3	K	BLL 8/8/23			
3	6165-MW-3S	8/1/23	1240	water	1	3	K	X			
4	6165-MW-4	8/2/23	1512	water	1	3	K				
5	6165-MW-5	8/1/23	1544	water	1	3	K				
6	6165-MW-6	8/3/23	1132	water	1	3	K				
7	6165-MW-7	8/2/23	1359	water	1	3	K	BLL 8/8/23			
8	6165-MW-8	8/1/23	1145	water	1	3	K	X			
9	6165-MW-9	8/2/23	1020	water	1	3	K	BLL 8/8/23			
10	6165-MW-12	8/1/23	1330	water	1	3	K	X			

23080570

ENVIROFORENSICS: EnviroForensics
Project Martino's Cleaners 41st

Notes: Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.

Preservative Key: 1-HCL, 2-HNO3, 3-H2SO4, 4-NaOH, 5-Na2SZO3, 6-NaHSO4, 7-Other, 8-4 degrees C, 9-5035.

Required Turnaround Time: K Std 10 Wk days ___ 5 Wk days ___ 2 Wk days ___ 24 hr

Results Due:

Relinquished by	Date	Time	Received by	Date	Time
Luke Moore			Fedex		
Fedex	8/5/23	930	[illegible]	8/5/23	930

NOTES: 3.1°C DF2

QC Reporting Level: (check box below)

- Level II: Standard QC
- Level III: Std QC + Raw data
- Level IV: SW846 CLP-Like
- Other:

ALS Group USA, Corp | 3352 128th Ave | | Holland Michigan 49424 | TEL. (616) 399-6070

Chain of Custody Form

ALS Group USA, Corp

Work Order: _____

Company Name	EnviroForensics	Purchase Order	2023-0019
		Company Name	EnviroForensics
Send Report To	Brad Lewis	Invoice Attn	
Project Name	Martino's Cleaners 41st	Project #	6165
Address	602 North Capitol Avenue Suite 210	Address	602 North Capitol Avenue ~~Suite 210~~ Suite 210
City State Zip	Indianapolis, IN 46204	City State Zip	Indianapolis, IN 46204
Phone	3179727870	Phone	3179727870
e-Mail Address	blewis@enviroforensics.com	e-Mail Address	

Parameter/Method Request for Analysis

- A: 8260 VOC
- B: Wisconsin PFAS by Isotopic Dilution
- C: MS/MSD
- D:
- E:
- F:
- G:
- H:
- I:
- J:

#	Sample Description	Date	Time	Matrix	Preservative	# Bottles	A	B	C	D	E	Triple Notes
1	6165-MW-13	8/3/23	1013	water	1	3	X					
2	6165-MW-16	8/1/23	1155	water	1	3	X					
3	6165-MW-18	8/2/23	0925	water	1	9	X		X			
4	6165-DUP-1	———	———	water	1	5	X	X				
5	6165-EB-1	8/1/23	1600	water	1	3	X					
6	6165-EB-2	8/2/23	1530	water	1	3	X					
7	6165-EB-3	8/3/23	1200	water	1	3	X					
8	TRIP BLANK	———	———	water	1	2	X					
9	6165-FB-1	8/1/23		Water	1		X					
10												

23080570
ENVIROFORENSICS: EnviroForensics
Project: Martino's Cleaners 41st

Notes: Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.

Preservative Key: 1-HCL 2-HNO3 3-H2SO4 4-NaOH 5-Na2S2O3 6-NaHSO4 7-Other 8-4 degrees C. 9-5035

Required Turnaround Time: ___ Std 10 Wk days ___ 5 Wk days ___ 2 Wk days ___ 24 hr

Results Due:

Relinquished by	Date	Time	Received by	Date	Time
Luke Marcum			Flex		
Flex	8/5/23	930	~~Flex~~	8/5/23	930

NOTES: 3.1°C OF2

QC Reporting Level: (check box below)

- Level II: Standard QC
- Level III: Std QC + Raw data
- Level IV: SW846 CLP-Like
- Other

ALS Group USA, Corp | 3352 128th Ave | | Holland Michigan 49424 | TEL. (616) 399-6070

ALS Group, USA
Holland, Michigan

Sample Receipt Checklist

Client Name: **ENVIROFORENSICS** Date/Time Received: **05-Aug-23 09:30**

Work Order: **23080570** Received by: **WSK**

Checklist completed by Weston Kotecki (eSignature) 05-Aug-23 (Date) Reviewed by: Chad Whelton (eSignature) 07-Aug-23 (Date)

Matrices: Water
Carrier name: FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Sample(s) received on ice?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):	3.1/3.1C	DF2	
Cooler(s)/Kit(s):			
Date/Time sample(s) sent to storage:	8/5/2023 1:25:58 PM		
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑
pH adjusted by:	_		

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction:

Revision: 1