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

ALS Group, USA

Date: *18-Aug-23*

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.

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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.

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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

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

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

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	

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

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

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

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

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	E	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 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

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	~~Client~~	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
Send Report To	Brad Lewis	Company Name	EnviroForensics
Project Name	Martino's Cleaners 41st	Invoice Attn	
Address	602 North Capitol Avenue Suite 210	Project #	6165
City State Zip	Indianapolis, IN 46204	Address	602 North Capitol Avenue ~~Suite 210~~ ~~Suite 210~~
Phone	3179727870	City State Zip	Indianapolis, IN 46204
e-Mail Address	blewis@enviroforensics.com	Phone	3179727870
		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