

From: Paul Lindquist <PLINDQUIST@ramboll.com>
Sent: Tuesday, September 19, 2023 4:43 PM
To: Beggs, Tauren R - DNR
Cc: Kristin Jones (Kristin.Jones@newellco.com)
Subject: NR 716.14 Data Transmittal BRRTS #: 02-36-545108 (MIRRO PLT 9 [Former] - LGU)
Attachments: 02-36-545108_Jul 2023 GW Data Transmittal_09 19 2023.pdf

Good afternoon Tauren,

Attached for your records is a copy of the data transmittal letter for the July 2023 groundwater sampling activities completed as part of the site investigation of the former Mirro Plant No. 9 facility (BRRTS #02-36-545108) located at 1512 Washington Street in Manitowoc, WI. Please note, a copy of the letter and attachments has been uploaded to the WDNR RR Program Submission Portal.

Thank you.

Paul Lindquist

Managing Consultant
1692722 - Great Lakes

D +1 262-901-3510
plindquist@ramboll.com

Connect with us 

Ramboll
234 W. Florida Street
Fifth Floor
Milwaukee, WI 53204
USA
<https://ramboll.com>

Classification: Confidential

Sent via E-Mail

Mr. Tauren Beggs
Wisconsin Department of Natural Resources
2984 Shawano Avenue
Green Bay, WI 54313-6727

**NR 716.14 DATA TRANSMITTAL
JULY 2023 GROUNDWATER ANALYTICAL RESULTS
FORMER MIRRO PLANT NO. 9 FACILITY
1512 WASHINGTON STREET, MANITOWOC, WISCONSIN
WDNR BRRTS NO. 02-36-545108**

Dear Mr. Beggs:

Ramboll Americas Engineering Solutions, Inc. (Ramboll¹), on behalf of Newell Operating Company (NOC), is providing the Wisconsin Department of Natural Resources (WDNR) with the attached analytical results for the July 2023 groundwater sampling event completed as part of the site investigation of the former Mirro Plant No. 9 site in Manitowoc, Wisconsin. The groundwater samples were collected between July 18 and July 21, 2023, in accordance with the approved Additional Site Investigation Work Plan submitted to the WDNR on June 6, 2022, and approved on July 12, 2022. A figure showing the monitoring well locations is attached along with draft tabulated results (Attachment A) and the laboratory analytical reports (Attachment B).

If you have any questions, please feel free to contact us at the numbers listed below.

Yours sincerely,



Paul D. Lindquist
Managing Consultant

D +1 262 901 3510
plindquist@ramboll.com



Jeanne M. Tarvin, PG, CPG
E&H Americas Country Market Director

D +1 262 901 0085
jtarkin@ramboll.com

cc: Kristin Jones, NOC

September 19, 2023

Ramboll
234 W. Florida Street
Fifth Floor
Milwaukee, WI 53204
USA

T +1 414 837 3607
F +1 414 837 3608
www.ramboll.com

Ref. 1690019647

¹ Effective September 1, 2023, all employees and projects of Ramboll US Consulting, Inc. were consolidated into our sister operations entity, Ramboll Americas Engineering Solutions, Inc.

ATTACHMENT A

TABLE AND FIGURE

Table 1: July 2023 Groundwater Analytical Results

Figure 1: Site Layout and Monitoring Well Network

Table 1. July 2023 Groundwater Analytical Results - PFAS

Former Mirro Plant No. 9
 1512 Washington Street, Manitowoc, WI 54220
 FID No.: 436033730 BRRTS No.: 02-36-545108



Sample Location	Sample Date	WI DHS Recommended Summation of 6 PFAS ^a	Fluorotelomer sulfonic acid (FTSA)					Perfluoroalkane sulfonamides (FASA) and derivatives							Perfluoroalkane sulfonic acid (PFSA)							Perfluoroalkyl carboxylic acid (PFCA)										Polyfluoroalkyl ether sulfonic acid (PFESA)					
			4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	4:2 Fluorotelomer sulfonic acid	6:2 Fluorotelomer sulfonic acid	8:2 Fluorotelomer sulfonic acid	HFPO-DA (GenX)	NEFOSA	NEFOSAA	NEFOSE	NMeFOSA	NMeFOSAA	NMeFOSE	Perfluorooctanesulfonamide (FOSA)	Perfluorobutanesulfonic acid (PFBS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorododecane sulfonic acid (PFDoS)	Perfluoroheptanesulfonic acid (PFHpS)	Perfluorohexanesulfonic acid (PFHxS)	Perfluorononanesulfonic acid (PFNS)	Perfluorooctanesulfonic acid (PFOS)	Perfluoropentanesulfonic acid (PFPeS)	Perfluorobutanoic acid (PFBA)	Perfluorodecanoic acid (PFDA)	Perfluorododecanoic acid (PFDoA)	Perfluoroheptanoic acid (PFHpA)	Perfluorohexanoic acid (PFHxA)	Perfluorononanoic acid (PFNA)	Perfluorooctanoic acid (PFOnA)	Perfluoropentanoic acid (PFPeA)	Perfluorotetradecanoic acid (PFTeA)	Perfluorotridecanoic acid (PFTriA)	Perfluoroundecanoic acid (PFUnA)	11C1-PF3OUds (F-53B Minor)	9C1-PF3ONS (F-53B Major)		
Reporting Units:	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	
WI DHS Recommended ES:	20	3,000	NS	NS	NS	300	20	20	20	NS	NS	NS	20	450,000	NS	NS	NS	40	NS	20	NS	10,000	300	500	NS	150,000	30	20	NS	10,000	NS	3,000	NS	NS			
WI DHS Recommended PAL:	2	600	NS	NS	NS	30	2	2	2	NS	NS	2	90,000	NS	NS	NS	4	NS	2	NS	2,000	60	100	NS	30,000	3	2	NS	2,000	NS	600	NS	NS				
AECOM MW-19	7/19/2023	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
AMEC MW-14	7/19/2023	124.7	<1.8 U	<1.8 U	<4.6 U	<1.8 U	<3.7 U	<1.8 U	<4.6 U	<1.8 U	<4.6 U	<3.7 U	<1.8 U	2.6	<1.8 U	<1.8 U	<1.8 U	4.2	<1.8 U	4.7	0.44 J	9.5	<1.8 U	<1.8 U	5.2	11	<1.8 U	120	12	<20 UJ	<1.8 U	<1.8 U	<1.8 U	<1.8 U	<1.8 U		
AMEC MW-15	7/20/2023	220.0	<1.8 U	<1.8 U	<4.5 U	<1.8 U	<3.6 U	<1.8 U	<4.5 U	<1.8 U	<4.5 U	<3.6 U	<1.8 U	3.6	<1.8 U	<1.8 U	<1.8 U	3.1	<1.8 U	<1.8 U	<1.8 U	17	<1.8 U	<1.8 U	6.6	8.4	<1.8 U	220	11	<1.8 U	<1.8 U	<1.8 U	<1.8 U	<1.8 U	<1.8 U		
AMEC MW-16	7/19/2023	520.0	<1.8 U	<1.8 U	<4.5 U	<1.8 U	<3.6 U	<1.8 U	<4.5 U	<1.8 U	<4.5 U	<3.6 U	<1.8 U	1 J	<1.8 U	<1.8 U	<1.8 U	1.7 J	<1.8 U	<1.8 U	<1.8 U	7.2	<1.8 U	<1.8 U	29	9.2	0.55 J	520	2.2	<1.8 U	<1.8 U	<1.8 U	<1.8 U	<1.8 U	<1.8 U		
AMEC MW-16A	7/19/2023	7.1	<1.8 U	<1.8 U	<4.5 U	<1.8 U	<3.6 U	<1.8 U	<4.5 U	<1.8 U	<4.5 U	<3.6 U	<1.8 U	<1.8 U	<1.8 U	<1.8 U	<1.8 U	0.65 J	<1.8 U	<1.8 U	<1.8 U	<4.5 U	<1.8 U	<1.8 U	1.1 J	1.6 J	<1.8 U	7.1	1.2 J	<1.8 U	<1.8 U	<1.8 U	<1.8 U	<1.8 U	<1.8 U		
AMEC MW-17	7/20/2023	53.6	<1.8 U	<1.8 U	<4.5 U	<1.8 U	<3.6 U	<1.8 U	<4.5 U	<1.8 U	<4.5 U	<3.6 U	<1.8 U	2.2	<1.8 U	<1.8 U	<1.8 U	0.9 J	<1.8 U	1.6 J	<1.8 U	7.4	<1.8 U	<1.8 U	1.9	1.5 J	0.45 J	52	1.8	<1.8 U	<1.8 U	<1.8 U	<1.8 U	<1.8 U	<1.8 U		
MW-12	7/20/2023	8,400	<500 U	<500 U	<1,300 U	<500 U	<1,000 U	<500 U	<1,300 U	<500 U	<1,300 U	<500 U	<500 U	<500 U	<500 U	<500 U	<500 U	<500 U	<500 U	<500 U	<500 U	10,000 J	<500 U	<500 U	290 J	<500 U	<500 U	8,400	<500 U	<500 U	<500 U	<500 U	<500 U	<500 U	<500 U	<500 U	
MW-121	7/20/2023	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-15	7/20/2023	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16	7/20/2023	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-17	7/19/2023	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-19	7/19/2023	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-200	7/19/2023	76.0	<1.8 U	<1.8 U	<4.5 U	<1.8 U	<3.6 U	<1.8 U	<4.5 U	<1.8 U	<4.5 U	<3.6 U	<1.8 U	17	<1.8 U	<1.8 U	<1.8 U	2.8	<1.8 U	3	0.56 J	11	<1.8 U	<1.8 U	5.5	7.7	<1.8 U	73	8	<1.8 U	<1.8 U	<1.8 U	<1.8 U	<1.8 U	<1.8 U	<1.8 U	
MW-201	7/18/2023	214.2	<1.9 U	<1.9 U	<4.7 U	<1.9 U	<3.7 U	<1.9 U	<4.7 U	<1.9 U	<4.7 U	<3.7 U	<1.9 U	2.7	<1.9 U	<1.9 U	<1.9 U	6.8	<1.9 U	4.2	0.35 J	25	<1.9 U	<1.9 U	13	54	0.25 J	210	55	<1.9 U	<1.9 U	<1.9 U	<1.9 U	<1.9 U	<1.9 U		
MW-204	7/18/2023	111.0	<1.9 U	<1.9 U	<4.6 U	<1.9 U	<3.7 U	<1.9 U	<4.6 U	<1.9 U	<4.6 U	<3.7 U	<1.9 U	2.4	<1.9 U	<1.9 U	<1.9 U	8.2	<1.9 U	19	1.4 J	12	0.43 J	<1.9 U	8.9	15	0.65 J	92	7.7	<1.9 U	<1.9 U	<1.9 U	<1.9 U	<1.9 U	<1.9 U		
MW-209	7/20/2023	83.0	<1.8 U	<1.8 U	<4.5 U	<1.8 U	<3.6 U	<1.8 U	<4.5 U	<1.8 U	<4.5 U	<3.6 U	<1.8 U	2.9	<1.8 U	<1.8 U	0.22 J	7.9	<1.8 U	12	0.47 J	7.8	<1.8 U	<1.8 U	5.9	3.7	0.44 J	71	2.4	<1.8 U	<1.8 U	<1.8 U	<1.8 U	<1.8 U	<1.8 U		
MW-209 DUP	7/20/2023	84.0	<1.8 U	<1.8 U	<4.6 U	<1.8 U	<3.6 U	<1.8 U	<4.6 U	<1.8 U	<4.6 U	<3.6 U	<1.8 U	2.8	<1.8 U	<1.8 U	<1.8 U	7.9	<1.8 U	13	0.46 J	7.8	0.3 J	<1.8 U	5.6	4	0.39 J	71	2.3	<1.8 U	<1.8 U	<1.8 U	<1.8 U	<1.8 U	<1.8 U		
MW-213	7/19/2023	353.5	<1.9 U	<1.9 U	<4.7 U	<1.9 U	<3.8 U	<1.9 U	<4.7 U	<1.9 U	<4.7 U	<3.8 U	<1.9 U	1.2 J	<1.9 U	<1.9 U	<1.9 U	1.7 J	<1.9 U	3.5	<1.9 U	<4.7 U	<1.9 U	22	11	0.32 J	350	4.2	<1.9 U	<1.9 U	<1.9 U	<1.9 U	<1.9 U	<1.9 U			
MW-213 DUP	7/19/2023	363.9	<2 U	<2 U	<4.9 U	<2 U	<3.9 U	<2 U	<4.9 U	<2 U	<4.9 U	<3.9 U	<2 U	1 J	<2 U	<2 U	<2 U	1.9 J	<2 U	3.9	<2 U	<4.9 U	<2 U	27	11	0.37 J	360	5.1	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U			
MW-217	7/20/2023	2	<1 U	<1 U	<4 U	<1 U	<3 U	<1 U	<4 U	<1 U	<4 U	<3 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<4 U	<1 U	<1 U	0.1 J	1.1 J	<1 U	2	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U		
MW-217 Dup	7/20/2023	2	<1 U	<1 U	<4 U	<1 U	<3 U	<1 U	<4 U	<1 U	<4 U	<3 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<4 U	<1 U	<1 U	1.1 J	1.1 J	<1 U	2	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U		
MW-218	7/20/2023	7	<1 U	<1 U	<4 U	<1 U	<3 U	<1 U	<4 U	<1 U	<4 U	<3 U	<1 U	1	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	4.1 J	<1 U	<1 U	1	1	<1 U	7	1.1 J	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U		
MW-219	7/20/2023	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-226	7/18/2023	210	<10 U	<10 U	<25 U	<10 U	<20 U	<10 U	<25 U	<10 U	<25 U	<20 U	<10 U	2 J	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U	14 J	<10 U	<10 U	13	13	<10 U	210	8.2 J	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U		
MW-235	7/19/2023	74.0	<1.8 U	<1.8 U	<4.4 U	<1.8 U	<3.5 U	<1.8 U	<4.4 U	<1.8 U	<4.4 U	<3.5 U	<1.8 U	3.7	<1.8 U	<1.8 U	<1.8 U	1.7 J	<1.8 U	<1.8 U	<1.8 U	100	<1.8 U	<1.8 U	7.6	25	<1.8 U	74	5.1	<1.8 U	<1.8 U	<1.8 U	<1.8 U	<1.8 U	<1.8 U		
MW-236	7/19/2023	81.6	<1.8 U	<1.8 U	<4.6 U	<1.8 U	<3.6 U	<1.8 U	<4.6 U	<1.8 U	<4.6 U	<3.6 U	<1.8 U	2.2	<1.8 U	<1.8 U	<1.8 U	1.2 J	<1.8 U	1.6 J	<1.8 U	9.8	<1.8 U	<1.8 U	5.7	5.2	<1.8 U	80	3.4	<1.8 U	<1.8 U	<1.8 U	<1.8 U	<1.8 U			
MW-228	07/19/2023	43	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-3	7/20/2023	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-31	7/20/2023	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-37	7/19/2023	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-48	7/20/2023	979.6	<2.1 U	<2.1 U																																	

Table 1. July 2023 Groundwater Analytical Results - VOC

Former Mirro Plant No. 9
1512 Washington Street, Manitowoc, WI 54220
FID No.: 436033730 BRRTS No.: 02-36-545108

DRAFT

Sample Location	Sample Date	VOC																											
		Chloroform	Chloromethane	dis-1,2-Dichloroethene	Dibromochloromethane	Dibromomethane	Ethylbenzene	Freon 12	Hexachlorobutadiene	Isopropyl ether	Isopropylbenzene	Methylene chloride (Dichloromethane, DCM)	Methyl-tert-butyl-ether	n-Butylbenzene	n-Propylbenzene	Naphthalene	sec-Butylbenzene	Styrene	tert-Butylbenzene	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Trichlorofluoromethane	Trimethylbenzenes, Total ^a	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Chloride	Xylenes, Total
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
WI Groundwater ES:	6	30	70	60	NS	700	1,000	NS	NS	NS	5	60	NS	NS	100	NS	100	NS	5	800	100	5	NS	480	NS	NS	0.2	2,000	
WI Groundwater PAL:	0.6	3	7	6	NS	140	200	NS	NS	NS	0.5	12	NS	NS	10	NS	10	NS	0.5	160	20	0.5	NS	96	NS	NS	NS	0.02	400
AECOM MW-19	7/19/2023	<2 U	<5 U	<1 U	<1 U	<1 U	<0.5 U	<3 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	0.36 J	<1 U	<1 U	<1 U	<1 U	<0.5 U	<1 U	0.84	<1 U	<2 U	<1 U	<1 U	<1 U	<1 U	
AMEC MW-14	7/19/2023	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AMEC MW-15	7/20/2023	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AMEC MW-16	7/19/2023	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AMEC MW-16A	7/19/2023	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AMEC MW-17	7/20/2023	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-12	7/20/2023	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-121	7/20/2023	<2 U	<5 U	<1 U	<1 U	<1 U	42	<3 U	<1 U	<1 U	26	<5 U	<1 U	8	33	68	4.8	<1 U	0.64 J	<1 U	<0.5 U	<1 U	<0.5 U	<1 U	323	280	43	<1 U	89
MW-15	7/20/2023	<2 U	<5 U	<1 U	<1 U	<1 U	53	<3 U	<1 U	<1 U	53	<5 U	<1 U	72	250	25	<1 U	8.5	<1 U	1 BJ+	<1 U	<0.5 U	<1 U	1,920	1,600	320	<1 U	470	
MW-16	7/20/2023	<2 U	<5 U	<1 U	<1 U	<1 U	<0.5 U	<3 U	<1 U	<1 U	<1 U	<5 U	<1 U	<1 U	0.41 J	<1 U	<1 U	<1 U	<1 U	<0.5 U	<1 U	0.9	<1 U	<2 U	<1 U	<1 U	<1 U	<1 U	
MW-17	7/19/2023	<2 U	<5 U	<1 U	<1 U	<1 U	<0.5 U	<3 U	<1 U	<1 U	<1 U	<5 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<0.5 U	<1 U	5.8	<1 U	<2 U	<1 U	<1 U	<1 U	0.25 J	
MW-19	7/19/2023	<2 U	<5 U	<1 U	<1 U	<1 U	<0.5 U	<3 U	<1 U	<1 U	<1 U	<5 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<0.5 U	<1 U	6.1	<1 U	<2 U	<1 U	<1 U	<1 U	<1 U	
MW-200	7/19/2023	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-201	7/18/2023	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-204	7/18/2023	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-209	7/20/2023	<2 U	<5 U	<1 U	<1 U	<1 U	<0.5 U	<3 U	<1 U	<1 U	<1 U	<5 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<0.5 U	<1 U	<0.5 U	<1 U	0.86	0.86 J	<1 U	<1 U	<1 U	
MW-209 DUP	7/20/2023	<2 U	<5 U	<1 U	<1 U	<1 U	<0.5 U	<3 U	<1 U	<1 U	<1 U	<5 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<0.5 U	<1 U	<0.5 U	<1 U	<0.5 U	<1 U	<2 U	<1 U	<1 U	<1 U
MW-213	7/19/2023	<2 U	<5 U	<1 U	<1 U	<1 U	74	<3 U	<1 U	<1 U	55	<5 U	<1 U	74	100	21	<1 U	7.5	<1 U	<0.5 U	<1 U	<0.5 U	<1 U	840	610	230	<1 U	180	
MW-213 DUP	7/19/2023	<2 U	<5 U	<1 U	<1 U	<1 U	72	<3 U	<1 U	<1 U	57	<5 U	<1 U	76	96	21	<1 U	7.7	<1 U	<0.5 U	<1 U	<0.5 U	<1 U	810	590	220	<1 U	180	
MW-217	7/20/2023	<2 U	<5 U	<1 U	<1 U	<1 U	<0.5 U	<3 U	<1 U	<1 U	<1 U	<5 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<0.5 U	<1 U	<0.5 U	<1 U	<2 U	<1 U	<1 U	<1 U	<1 U	
MW-217 Dup	7/20/2023	<2 U	<5 U	<1 U	<1 U	<1 U	<0.5 U	<3 U	<1 U	<1 U	<1 U	<5 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<0.5 U	<1 U	<0.5 U	<1 U	<2 U	<1 U	<1 U	<1 U	<1 U	
MW-218	7/20/2023	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-219	7/20/2023	<2 U	<5 U	<1 U	<1 U	<1 U	<0.5 U	<3 U	<1 U	<1 U	<1 U	<5 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<0.5 U	<1 U	<0.5 U	<1 U	<2 U	<1 U	<1 U	<1 U	<1 U	
MW-226	7/18/2023	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-235	7/19/2023	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-236	7/19/2023	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-228	7/19/2023	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	7/20/2023	<2 U	<5 U	0.56 J	<1 U	<1 U	<0.5 U	<3 U	<1 U	<1 U	<1 U	<5 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<0.5 U	<1 U	4.4	<1 U	<2 U	<1 U	<1 U	<1 U	<1 U	
MW-31	7/20/2023	<2 U	<5 U	<1 U	<1 U	<1 U	<0.5 U	<3 U	<1 U	<1 U	<1 U	<5 U	<1 U	<1 U	0.63 J	<1 U	<1 U	<1 U	<1 U	<0.5 U	<1 U	1.6	<1 U	0.52	0.52 J	<1 U	<1 U	0.29 J	
MW-37	7/19/2023	<2 U	<5 U	<1 U	<1 U	<1 U	<0.5 U	<3 U	<1 U	<1 U	<1 U	<5 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<0.5 U	<1 U	11	<1 U	<2 U	<1 U	<1 U	<1 U	<1 U	
MW-48	7/20/2023	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	7/20/2023	<2 U	<5 U	<1 U	<1 U	<1 U	41	<3 U	<1 U	<1 U	75	<5 U	<1 U	100	160	16	<1 U	3	<1 U	0.66	<1 U	<0.5 U	<1 U	1,043	990	53	<1 U	480	
MW-8	7/20/2023	<2 U	<5 U	<1 U	<1 U	<1 U	<0.5 U	<3 U	<1 U	<1 U	<1 U	<5 U	<1 U	<1 U	1.8	<1 U	<1 U	<1 U	1.1	<0.5 U	<1 U	0.81	<1 U	1	1	<1 U	<1 U	0.49 J	
MW-82	7/19/2023	<2 U	<5 U	<1 U	<1 U	<1 U	<0.5 U	<3 U	<1 U	<1 U	<1 U	<5 U	<1 U	<1 U	0.98 J	<1 U	<1 U	<1 U	<1 U	<0.5 U	<1 U	0.41 J	<1 U	<2 U	<1 U	<1 U	<1 U	<1 U	
MW-9	7/20/2023	<2 U	<5 U	<1 U	<1 U	<1 U	<0.5 U	<3 U	<1 U	<1 U	<1 U	<5 U	<1 U	<1 U	1.7 J	<1 U	<1 U	<1 U	<1 U	<0.5 U	<1 U	9.5	<1 U	0.66	0.66 J	<1 U	<1 U	0.59 J	
MW-9 DUP	7/20/2023	<2 U	<5 U	<1 U	<1 U	<1 U	<0.5 U	<3 U	<1 U	<1 U	<1 U	<5 U	<1 U	<1 U	0.55 J	<1 U	<1 U	<1 U	<1 U	<0.5 U	<1 U	9.4	<1 U	<2 U	<1 U	<1 U	<1 U	0.36 J	
PZ-200	7/19/2023	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PZ-206	7/19/2023	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PZ-214	7/19/2023	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PZ-226	7/18/2023	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

[0-MGP 9/6/23]

Bold is equal to or greater than WI Groundwater ES
Underlined is equal to or greater than WI Groundwater PAL
Gray Text analyte not detected

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

Results & Flags:
-- = Analysis not performed
< = Concentration is less than the Limit of Detection (LOD)
B = analyte was detected in the associated method blank.
J = Estimated concentration
J+ = Indicates a concentration estimated with high bias
U = Concentration was not detected above the reported limit

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

Superscripts:
1. PFAS (6) were calculated by Ramboll as follows:
a. Where detections were observed, only the detected results were added together for the total summation.
b. Where no detections were observed, the highest level of detection is presented as the sum
c. Analytes used for the calculation are NETFOSA, NETFOCAA, NETFOSE, FOA, PFOS, and PFOA as identified in the "11th Cycle of Groundwater Standard Proposals" published on Nov 6, 2020 by the WI DHS.
d. Qualifiers are not included in the summation of the total.
2. 1,3-Dichloropropene was calculated by Ramboll as follows:
a. Where no detections were observed, the sum of the reporting limits is presented.
b. Where detections were observed, the detected results were added together for the total summation.
c. cis-1,3-Dichloropropene and trans-1,3-Dichloropropene were used for the calculation.
d. Qualifiers are not included in the summation of the total.
3. Total trimethylbenzenes were calculated by Ramboll as follows:
a. Where no detections



- MONITORING WELL
- PIEZOMETER
- TEMPORARY MONITORING POINT
- STORM WATER TUNNEL/LINE (APPROXIMATE) - FORMER SHERMAN CREEK
- PROPERTY BOUNDARY
- PARCEL BOUNDARY

SITE LAYOUT AND EXISTING MONITORING WELL NETWORK

FIGURE 1

0 60 120
Feet

FORMER MIRRO PLANT NO. 9
MANITOWOC, WISCONSIN

RAMBOLL US CONSULTING, INC.





ATTACHMENT B
LABORATORY ANALYTICAL REPORTS

 **ANALYTICAL REPORT****PREPARED FOR**

Attn: Paul Lindquist
Ramboll US Corporation
234 W. Florida Street
Fifth Floor
Milwaukee, Wisconsin 53204

Generated 7/31/2023 12:22:57 PM

JOB DESCRIPTION

Former Mirro Plant No 9 - 1690019647

JOB NUMBER

500-237072-1

Eurofins Chicago

Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of Eurofins Environment Testing North Central, LLC and its client. All questions regarding this report should be directed to the Eurofins Environment Testing North Central, LLC Project Manager who has signed this report.

Results relate only to the items tested and the sample(s) as received by the laboratory. The results, detection limits (LOD) and Quantitation Limits (LOQ) have been adjusted for sample dilutions and/or solids content.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Chicago Project Manager.

Authorization



Generated
7/31/2023 12:22:57 PM

Authorized for release by
Sandie Fredrick, Project Manager II
Sandra.Fredrick@et.eurofinsus.com
(920)261-1660



Table of Contents

Cover Page	1
Table of Contents	3
Case Narrative	4
Detection Summary	5
Method Summary	6
Sample Summary	7
Client Sample Results	8
Definitions	10
QC Association	11
QC Sample Results	12
Chronicle	17
Certification Summary	18
Chain of Custody	19
Receipt Checklists	21
Field Data Sheets	22
Isotope Dilution Summary	23

Case Narrative

Client: Ramboll US Corporation
Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237072-1

Job ID: 500-237072-1

Laboratory: Eurofins Chicago

Narrative

Job Narrative 500-237072-1

Receipt

The sample was received on 07/22/23 09:50. Unless otherwise noted below, the sample arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.1° C.

LCMS

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

Organic Prep

Method 3535: The following sample in preparation batch 320-694112 was light-amber in color prior to extraction: MW-228 (500-237072-1)

Extract was yellowish in color.

3535_PFC_28D

Aqueous

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



Detection Summary

Client: Ramboll US Corporation
Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237072-1

Client Sample ID: MW-228

Lab Sample ID: 500-237072-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	6.8		4.5	2.2	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	2.5		1.8	0.44	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	3.1		1.8	0.53	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	3.6		1.8	0.23	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	43		1.8	0.77	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	2.8		1.8	0.18	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	0.86	J	1.8	0.52	ng/L	1		537 (modified)	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Chicago

Method Summary

Client: Ramboll US Corporation
Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237072-1

Method	Method Description	Protocol	Laboratory
537 (modified)	Fluorinated Alkyl Substances	EPA	EET SAC
3535	Solid-Phase Extraction (SPE)	SW846	EET SAC

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

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

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

Sample Summary

Client: Ramboll US Corporation
Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237072-1

<u>Lab Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Collected</u>	<u>Received</u>
500-237072-1	MW-228	Water	07/19/23 08:04	07/22/23 09:50

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237072-1

Client Sample ID: MW-228

Lab Sample ID: 500-237072-1

Date Collected: 07/19/23 08:04

Matrix: Water

Date Received: 07/22/23 09:50

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	6.8		4.5	2.2	ng/L		07/26/23 20:59	07/28/23 07:26	1
Perfluoropentanoic acid (PFPeA)	2.5		1.8	0.44	ng/L		07/26/23 20:59	07/28/23 07:26	1
Perfluorohexanoic acid (PFHxA)	3.1		1.8	0.53	ng/L		07/26/23 20:59	07/28/23 07:26	1
Perfluoroheptanoic acid (PFHpA)	3.6		1.8	0.23	ng/L		07/26/23 20:59	07/28/23 07:26	1
Perfluorooctanoic acid (PFOA)	43		1.8	0.77	ng/L		07/26/23 20:59	07/28/23 07:26	1
Perfluorononanoic acid (PFNA)	<0.25		1.8	0.25	ng/L		07/26/23 20:59	07/28/23 07:26	1
Perfluorodecanoic acid (PFDA)	<0.28		1.8	0.28	ng/L		07/26/23 20:59	07/28/23 07:26	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.8	1.0	ng/L		07/26/23 20:59	07/28/23 07:26	1
Perfluorododecanoic acid (PFDoA)	<0.50		1.8	0.50	ng/L		07/26/23 20:59	07/28/23 07:26	1
Perfluorotridecanoic acid (PFTriA)	<1.2		1.8	1.2	ng/L		07/26/23 20:59	07/28/23 07:26	1
Perfluorotetradecanoic acid (PFTeA)	<0.66		1.8	0.66	ng/L		07/26/23 20:59	07/28/23 07:26	1
Perfluorobutanesulfonic acid (PFBS)	2.8		1.8	0.18	ng/L		07/26/23 20:59	07/28/23 07:26	1
Perfluoropentanesulfonic acid (PFPeS)	<0.27		1.8	0.27	ng/L		07/26/23 20:59	07/28/23 07:26	1
Perfluorohexanesulfonic acid (PFHxS)	0.86	J	1.8	0.52	ng/L		07/26/23 20:59	07/28/23 07:26	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.17		1.8	0.17	ng/L		07/26/23 20:59	07/28/23 07:26	1
Perfluorooctanesulfonic acid (PFOS)	<0.49		1.8	0.49	ng/L		07/26/23 20:59	07/28/23 07:26	1
Perfluorononanesulfonic acid (PFNS)	<0.34		1.8	0.34	ng/L		07/26/23 20:59	07/28/23 07:26	1
Perfluorodecanesulfonic acid (PFDS)	<0.29		1.8	0.29	ng/L		07/26/23 20:59	07/28/23 07:26	1
Perfluorododecanesulfonic acid (PFDoS)	<0.88		1.8	0.88	ng/L		07/26/23 20:59	07/28/23 07:26	1
Perfluorooctanesulfonamide (FOSA)	<0.89		1.8	0.89	ng/L		07/26/23 20:59	07/28/23 07:26	1
NEtFOSA	<0.79		1.8	0.79	ng/L		07/26/23 20:59	07/28/23 07:26	1
NMeFOSA	<0.39		1.8	0.39	ng/L		07/26/23 20:59	07/28/23 07:26	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<1.1		4.5	1.1	ng/L		07/26/23 20:59	07/28/23 07:26	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<1.2		4.5	1.2	ng/L		07/26/23 20:59	07/28/23 07:26	1
NMeFOSE	<1.3		3.6	1.3	ng/L		07/26/23 20:59	07/28/23 07:26	1
NEtFOSE	<0.77		1.8	0.77	ng/L		07/26/23 20:59	07/28/23 07:26	1
4:2 FTS	<0.22		1.8	0.22	ng/L		07/26/23 20:59	07/28/23 07:26	1
6:2 FTS	<2.3		4.5	2.3	ng/L		07/26/23 20:59	07/28/23 07:26	1
8:2 FTS	<0.42		1.8	0.42	ng/L		07/26/23 20:59	07/28/23 07:26	1
DONA	<0.36		1.8	0.36	ng/L		07/26/23 20:59	07/28/23 07:26	1
HFPO-DA (GenX)	<1.4		3.6	1.4	ng/L		07/26/23 20:59	07/28/23 07:26	1
F-53B Major	<0.22		1.8	0.22	ng/L		07/26/23 20:59	07/28/23 07:26	1
F-53B Minor	<0.29		1.8	0.29	ng/L		07/26/23 20:59	07/28/23 07:26	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	86		25 - 150				07/26/23 20:59	07/28/23 07:26	1
13C5 PFPeA	112		25 - 150				07/26/23 20:59	07/28/23 07:26	1
13C2 PFHxA	113		25 - 150				07/26/23 20:59	07/28/23 07:26	1
13C4 PFHpA	117		25 - 150				07/26/23 20:59	07/28/23 07:26	1
13C4 PFOA	108		25 - 150				07/26/23 20:59	07/28/23 07:26	1
13C5 PFNA	111		25 - 150				07/26/23 20:59	07/28/23 07:26	1
13C2 PFDA	115		25 - 150				07/26/23 20:59	07/28/23 07:26	1
13C2 PFUnA	107		25 - 150				07/26/23 20:59	07/28/23 07:26	1
13C2 PFDoA	97		25 - 150				07/26/23 20:59	07/28/23 07:26	1
13C2 PFTeDA	78		25 - 150				07/26/23 20:59	07/28/23 07:26	1

Eurofins Chicago

Client Sample Results

Client: Ramboll US Corporation
Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237072-1

Client Sample ID: MW-228

Lab Sample ID: 500-237072-1

Date Collected: 07/19/23 08:04

Matrix: Water

Date Received: 07/22/23 09:50

Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C3 PFBS	102		25 - 150	07/26/23 20:59	07/28/23 07:26	1
18O2 PFHxS	103		25 - 150	07/26/23 20:59	07/28/23 07:26	1
13C4 PFOS	104		25 - 150	07/26/23 20:59	07/28/23 07:26	1
13C8 FOSA	115		10 - 150	07/26/23 20:59	07/28/23 07:26	1
d3-NMeFOSAA	109		25 - 150	07/26/23 20:59	07/28/23 07:26	1
d5-NEtFOSAA	112		25 - 150	07/26/23 20:59	07/28/23 07:26	1
d-N-MeFOSA-M	86		10 - 150	07/26/23 20:59	07/28/23 07:26	1
d-N-EtFOSA-M	87		10 - 150	07/26/23 20:59	07/28/23 07:26	1
d7-N-MeFOSE-M	92		10 - 150	07/26/23 20:59	07/28/23 07:26	1
d9-N-EtFOSE-M	89		10 - 150	07/26/23 20:59	07/28/23 07:26	1
M2-4:2 FTS	119		25 - 150	07/26/23 20:59	07/28/23 07:26	1
M2-6:2 FTS	108		25 - 150	07/26/23 20:59	07/28/23 07:26	1
M2-8:2 FTS	107		25 - 150	07/26/23 20:59	07/28/23 07:26	1
13C3 HFPO-DA	97		25 - 150	07/26/23 20:59	07/28/23 07:26	1

Definitions/Glossary

Client: Ramboll US Corporation
Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237072-1

Qualifiers

LCMS

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

QC Association Summary

Client: Ramboll US Corporation
Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237072-1

LCMS

Prep Batch: 694112

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-237072-1	MW-228	Total/NA	Water	3535	
MB 320-694112/1-A	Method Blank	Total/NA	Water	3535	
LCS 320-694112/2-A	Lab Control Sample	Total/NA	Water	3535	
LCSD 320-694112/3-A	Lab Control Sample Dup	Total/NA	Water	3535	

Analysis Batch: 694464

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-237072-1	MW-228	Total/NA	Water	537 (modified)	694112
MB 320-694112/1-A	Method Blank	Total/NA	Water	537 (modified)	694112
LCS 320-694112/2-A	Lab Control Sample	Total/NA	Water	537 (modified)	694112
LCSD 320-694112/3-A	Lab Control Sample Dup	Total/NA	Water	537 (modified)	694112

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237072-1

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-694112/1-A
Matrix: Water
Analysis Batch: 694464

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 694112

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Perfluorobutanoic acid (PFBA)	<2.4		5.0	2.4	ng/L		07/26/23 20:59	07/28/23 04:16	1
Perfluoropentanoic acid (PFPeA)	<0.49		2.0	0.49	ng/L		07/26/23 20:59	07/28/23 04:16	1
Perfluorohexanoic acid (PFHxA)	<0.58		2.0	0.58	ng/L		07/26/23 20:59	07/28/23 04:16	1
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		07/26/23 20:59	07/28/23 04:16	1
Perfluorooctanoic acid (PFOA)	<0.85		2.0	0.85	ng/L		07/26/23 20:59	07/28/23 04:16	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		07/26/23 20:59	07/28/23 04:16	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		07/26/23 20:59	07/28/23 04:16	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		07/26/23 20:59	07/28/23 04:16	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		07/26/23 20:59	07/28/23 04:16	1
Perfluorotridecanoic acid (PFTriA)	<1.3		2.0	1.3	ng/L		07/26/23 20:59	07/28/23 04:16	1
Perfluorotetradecanoic acid (PFTeA)	<0.73		2.0	0.73	ng/L		07/26/23 20:59	07/28/23 04:16	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		07/26/23 20:59	07/28/23 04:16	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		07/26/23 20:59	07/28/23 04:16	1
Perfluorohexanesulfonic acid (PFHxS)	<0.57		2.0	0.57	ng/L		07/26/23 20:59	07/28/23 04:16	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		07/26/23 20:59	07/28/23 04:16	1
Perfluorooctanesulfonic acid (PFOS)	<0.54		2.0	0.54	ng/L		07/26/23 20:59	07/28/23 04:16	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		07/26/23 20:59	07/28/23 04:16	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		07/26/23 20:59	07/28/23 04:16	1
Perfluorododecanesulfonic acid (PFDoS)	<0.97		2.0	0.97	ng/L		07/26/23 20:59	07/28/23 04:16	1
Perfluorooctanesulfonamide (FOSA)	<0.98		2.0	0.98	ng/L		07/26/23 20:59	07/28/23 04:16	1
NEtFOSA	<0.87		2.0	0.87	ng/L		07/26/23 20:59	07/28/23 04:16	1
NMeFOSA	<0.43		2.0	0.43	ng/L		07/26/23 20:59	07/28/23 04:16	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<1.2		5.0	1.2	ng/L		07/26/23 20:59	07/28/23 04:16	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<1.3		5.0	1.3	ng/L		07/26/23 20:59	07/28/23 04:16	1
NMeFOSE	<1.4		4.0	1.4	ng/L		07/26/23 20:59	07/28/23 04:16	1
NEtFOSE	<0.85		2.0	0.85	ng/L		07/26/23 20:59	07/28/23 04:16	1
4:2 FTS	<0.24		2.0	0.24	ng/L		07/26/23 20:59	07/28/23 04:16	1
6:2 FTS	<2.5		5.0	2.5	ng/L		07/26/23 20:59	07/28/23 04:16	1
8:2 FTS	<0.46		2.0	0.46	ng/L		07/26/23 20:59	07/28/23 04:16	1
DONA	<0.40		2.0	0.40	ng/L		07/26/23 20:59	07/28/23 04:16	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		07/26/23 20:59	07/28/23 04:16	1
F-53B Major	<0.24		2.0	0.24	ng/L		07/26/23 20:59	07/28/23 04:16	1
F-53B Minor	<0.32		2.0	0.32	ng/L		07/26/23 20:59	07/28/23 04:16	1

Isotope Dilution	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
13C4 PFBA	110		25 - 150	07/26/23 20:59	07/28/23 04:16	1
13C5 PFPeA	113		25 - 150	07/26/23 20:59	07/28/23 04:16	1
13C2 PFHxA	122		25 - 150	07/26/23 20:59	07/28/23 04:16	1
13C4 PFHpA	120		25 - 150	07/26/23 20:59	07/28/23 04:16	1
13C4 PFOA	114		25 - 150	07/26/23 20:59	07/28/23 04:16	1
13C5 PFNA	120		25 - 150	07/26/23 20:59	07/28/23 04:16	1
13C2 PFDA	124		25 - 150	07/26/23 20:59	07/28/23 04:16	1
13C2 PFUnA	116		25 - 150	07/26/23 20:59	07/28/23 04:16	1
13C2 PFDoA	111		25 - 150	07/26/23 20:59	07/28/23 04:16	1
13C2 PFTeDA	103		25 - 150	07/26/23 20:59	07/28/23 04:16	1

Eurofins Chicago

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237072-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: MB 320-694112/1-A
Matrix: Water
Analysis Batch: 694464

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 694112

Isotope Dilution	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
13C3 PFBS	114		25 - 150	07/26/23 20:59	07/28/23 04:16	1
18O2 PFHxS	118		25 - 150	07/26/23 20:59	07/28/23 04:16	1
13C4 PFOS	112		25 - 150	07/26/23 20:59	07/28/23 04:16	1
13C8 FOSA	115		10 - 150	07/26/23 20:59	07/28/23 04:16	1
d3-NMeFOSAA	126		25 - 150	07/26/23 20:59	07/28/23 04:16	1
d5-NEtFOSAA	123		25 - 150	07/26/23 20:59	07/28/23 04:16	1
d-N-MeFOSA-M	90		10 - 150	07/26/23 20:59	07/28/23 04:16	1
d-N-EtFOSA-M	92		10 - 150	07/26/23 20:59	07/28/23 04:16	1
d7-N-MeFOSE-M	104		10 - 150	07/26/23 20:59	07/28/23 04:16	1
d9-N-EtFOSE-M	102		10 - 150	07/26/23 20:59	07/28/23 04:16	1
M2-4:2 FTS	113		25 - 150	07/26/23 20:59	07/28/23 04:16	1
M2-6:2 FTS	122		25 - 150	07/26/23 20:59	07/28/23 04:16	1
M2-8:2 FTS	123		25 - 150	07/26/23 20:59	07/28/23 04:16	1
13C3 HFPO-DA	106		25 - 150	07/26/23 20:59	07/28/23 04:16	1

Lab Sample ID: LCS 320-694112/2-A
Matrix: Water
Analysis Batch: 694464

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 694112

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec
							Limits
Perfluorobutanoic acid (PFBA)	40.0	39.2		ng/L		98	60 - 135
Perfluoropentanoic acid (PFPeA)	40.0	37.1		ng/L		93	60 - 135
Perfluorohexanoic acid (PFHxA)	40.0	36.4		ng/L		91	60 - 135
Perfluoroheptanoic acid (PFHpA)	40.0	34.4		ng/L		86	60 - 135
Perfluorooctanoic acid (PFOA)	40.0	35.6		ng/L		89	60 - 135
Perfluorononanoic acid (PFNA)	40.0	40.3		ng/L		101	60 - 135
Perfluorodecanoic acid (PFDA)	40.0	37.2		ng/L		93	60 - 135
Perfluoroundecanoic acid (PFUnA)	40.0	37.0		ng/L		93	60 - 135
Perfluorododecanoic acid (PFDoA)	40.0	39.2		ng/L		98	60 - 135
Perfluorotridecanoic acid (PFTriA)	40.0	36.8		ng/L		92	60 - 135
Perfluorotetradecanoic acid (PFTeA)	40.0	36.8		ng/L		92	60 - 135
Perfluorobutanesulfonic acid (PFBS)	35.5	32.1		ng/L		90	60 - 135
Perfluoropentanesulfonic acid (PFPeS)	37.6	35.5		ng/L		95	60 - 135
Perfluorohexanesulfonic acid (PFHxS)	36.5	32.9		ng/L		90	60 - 135
Perfluoroheptanesulfonic acid (PFHpS)	38.2	34.8		ng/L		91	60 - 135
Perfluorooctanesulfonic acid (PFOS)	37.2	35.4		ng/L		95	60 - 135
Perfluorononanesulfonic acid (PFNS)	38.5	38.4		ng/L		100	60 - 135
Perfluorodecanesulfonic acid (PFDS)	38.6	36.5		ng/L		95	60 - 135
Perfluorododecanesulfonic acid (PFDoS)	38.8	32.5		ng/L		84	60 - 135

Eurofins Chicago

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237072-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-694112/2-A
Matrix: Water
Analysis Batch: 694464

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 694112

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorooctanesulfonamide (FOSA)	40.0	35.4		ng/L		89	60 - 135
NEtFOSA	40.0	36.1		ng/L		90	60 - 135
NMeFOSA	40.0	37.7		ng/L		94	60 - 135
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	40.0	35.5		ng/L		89	60 - 135
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	40.0	36.4		ng/L		91	60 - 135
NMeFOSE	40.0	37.8		ng/L		95	60 - 135
NEtFOSE	40.0	35.0		ng/L		88	60 - 135
4:2 FTS	37.5	37.4		ng/L		100	60 - 135
6:2 FTS	38.1	36.1		ng/L		95	60 - 135
8:2 FTS	38.4	39.4		ng/L		103	60 - 135
DONA	37.8	37.4		ng/L		99	60 - 135
HFPO-DA (GenX)	40.0	39.6		ng/L		99	60 - 135
F-53B Major	37.4	33.1		ng/L		88	60 - 135
F-53B Minor	37.8	33.7		ng/L		89	60 - 135

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
13C4 PFBA	116		25 - 150
13C5 PFPeA	121		25 - 150
13C2 PFHxA	124		25 - 150
13C4 PFHpA	129		25 - 150
13C4 PFOA	121		25 - 150
13C5 PFNA	122		25 - 150
13C2 PFDA	125		25 - 150
13C2 PFUnA	114		25 - 150
13C2 PFDoA	110		25 - 150
13C2 PFTeDA	93		25 - 150
13C3 PFBS	120		25 - 150
18O2 PFHxS	127		25 - 150
13C4 PFOS	117		25 - 150
13C8 FOSA	117		10 - 150
d3-NMeFOSAA	129		25 - 150
d5-NEtFOSAA	120		25 - 150
d-N-MeFOSA-M	95		10 - 150
d-N-EtFOSA-M	101		10 - 150
d7-N-MeFOSE-M	107		10 - 150
d9-N-EtFOSE-M	106		10 - 150
M2-4:2 FTS	116		25 - 150
M2-6:2 FTS	111		25 - 150
M2-8:2 FTS	117		25 - 150
13C3 HFPO-DA	116		25 - 150

Lab Sample ID: LCSD 320-694112/3-A
Matrix: Water
Analysis Batch: 694464

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 694112

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	40.0	42.2		ng/L		105	60 - 135	7	30

Eurofins Chicago

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237072-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCSD 320-694112/3-A
Matrix: Water
Analysis Batch: 694464

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 694112

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluoropentanoic acid (PFPeA)	40.0	37.3		ng/L		93	60 - 135	0	30
Perfluorohexanoic acid (PFHxA)	40.0	36.5		ng/L		91	60 - 135	0	30
Perfluoroheptanoic acid (PFHpA)	40.0	37.0		ng/L		93	60 - 135	7	30
Perfluorooctanoic acid (PFOA)	40.0	35.2		ng/L		88	60 - 135	1	30
Perfluorononanoic acid (PFNA)	40.0	40.6		ng/L		102	60 - 135	1	30
Perfluorodecanoic acid (PFDA)	40.0	40.4		ng/L		101	60 - 135	8	30
Perfluoroundecanoic acid (PFUnA)	40.0	38.6		ng/L		97	60 - 135	4	30
Perfluorododecanoic acid (PFDoA)	40.0	37.2		ng/L		93	60 - 135	5	30
Perfluorotridecanoic acid (PFTriA)	40.0	36.9		ng/L		92	60 - 135	0	30
Perfluorotetradecanoic acid (PFTeA)	40.0	37.0		ng/L		92	60 - 135	1	30
Perfluorobutanesulfonic acid (PFBS)	35.5	31.3		ng/L		88	60 - 135	2	30
Perfluoropentanesulfonic acid (PFPeS)	37.6	37.4		ng/L		100	60 - 135	5	30
Perfluorohexanesulfonic acid (PFHxS)	36.5	31.6		ng/L		87	60 - 135	4	30
Perfluoroheptanesulfonic acid (PFHpS)	38.2	36.5		ng/L		96	60 - 135	5	30
Perfluorooctanesulfonic acid (PFOS)	37.2	34.1		ng/L		92	60 - 135	4	30
Perfluorononanesulfonic acid (PFNS)	38.5	35.8		ng/L		93	60 - 135	7	30
Perfluorodecanesulfonic acid (PFDS)	38.6	36.7		ng/L		95	60 - 135	1	30
Perfluorododecanesulfonic acid (PFDoS)	38.8	34.1		ng/L		88	60 - 135	5	30
Perfluorooctanesulfonamide (FOSA)	40.0	38.1		ng/L		95	60 - 135	7	30
NEtFOSA	40.0	36.5		ng/L		91	60 - 135	1	30
NMeFOSA	40.0	39.8		ng/L		100	60 - 135	5	30
N-methylperfluorooctanesulfonamide doacetic acid (NMeFOSAA)	40.0	35.5		ng/L		89	60 - 135	0	30
N-ethylperfluorooctanesulfonamide doacetic acid (NEtFOSAA)	40.0	35.6		ng/L		89	60 - 135	2	30
NMeFOSE	40.0	36.9		ng/L		92	60 - 135	2	30
NEtFOSE	40.0	37.4		ng/L		93	60 - 135	6	30
4:2 FTS	37.5	36.1		ng/L		96	60 - 135	4	30
6:2 FTS	38.1	35.7		ng/L		94	60 - 135	1	30
8:2 FTS	38.4	38.1		ng/L		99	60 - 135	3	30
DONA	37.8	37.4		ng/L		99	60 - 135	0	30
HFPO-DA (GenX)	40.0	38.4		ng/L		96	60 - 135	3	30
F-53B Major	37.4	34.4		ng/L		92	60 - 135	4	30
F-53B Minor	37.8	36.2		ng/L		96	60 - 135	7	30

Isotope Dilution	LCSD %Recovery	LCSD Qualifier	LCSD Limits
13C4 PFBA	109		25 - 150
13C5 PFPeA	112		25 - 150
13C2 PFHxA	116		25 - 150

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237072-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCSD 320-694112/3-A
 Matrix: Water
 Analysis Batch: 694464

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 694112

Isotope Dilution	LCSD		Limits
	%Recovery	Qualifier	
13C4 PFHpA	126		25 - 150
13C4 PFOA	119		25 - 150
13C5 PFNA	119		25 - 150
13C2 PFDA	118		25 - 150
13C2 PFUnA	111		25 - 150
13C2 PFDoA	115		25 - 150
13C2 PFTeDA	95		25 - 150
13C3 PFBS	113		25 - 150
18O2 PFHxS	119		25 - 150
13C4 PFOS	111		25 - 150
13C8 FOSA	112		10 - 150
d3-NMeFOSAA	123		25 - 150
d5-NEtFOSAA	123		25 - 150
d-N-MeFOSA-M	90		10 - 150
d-N-EtFOSA-M	96		10 - 150
d7-N-MeFOSE-M	114		10 - 150
d9-N-EtFOSE-M	103		10 - 150
M2-4:2 FTS	108		25 - 150
M2-6:2 FTS	112		25 - 150
M2-8:2 FTS	111		25 - 150
13C3 HFPO-DA	117		25 - 150



Lab Chronicle

Client: Ramboll US Corporation
Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237072-1

Client Sample ID: MW-228

Lab Sample ID: 500-237072-1

Date Collected: 07/19/23 08:04

Matrix: Water

Date Received: 07/22/23 09:50

<u>Prep Type</u>	<u>Batch Type</u>	<u>Batch Method</u>	<u>Run</u>	<u>Dilution Factor</u>	<u>Batch Number</u>	<u>Analyst</u>	<u>Lab</u>	<u>Prepared or Analyzed</u>
Total/NA	Prep	3535			694112	JER	EET SAC	07/26/23 20:59
Total/NA	Analysis	537 (modified)		1	694464	S1M	EET SAC	07/28/23 07:26

Laboratory References:

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

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

Accreditation/Certification Summary

Client: Ramboll US Corporation
Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237072-1

Laboratory: Eurofins Sacramento

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	998204680	08-31-23

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

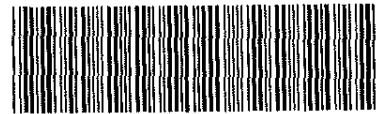
Eurofins Chicago

2417 Bond Street
 University Park, IL 60484
 Phone: 708-534-5200 Fax: 708-534-5211

Chain of Custody Record



Environmental Testing

Client Information		Sampler: <i>Sarah Jo Markens</i>		Lab PM: <i>Fredrick, Sandie</i>		Carrier Tracking No(s):		COC No: 500-114234-47117 1	
Client Contact: <i>Paul Lindquist</i>		Phone:		E-Mail: <i>Sandra.Fredrick@et.eurofinsus.com</i>		State of Origin: <i>WI</i>		Page: <i>Page 1 of 1</i>	
Company: <i>Ramboll US Corporation</i>		PWSID:		Analysis Requested		Job #:		Preservation Codes: A HCL M Hexane B NaOH N None C Zn Acetate O AsNaO2 D Nitric Acid P Na2O4S E NaHSO4 Q Na2SO3 F MeOH R Na2S2O3 G Amchlor S H2SO4 H Ascorbic Acid T TSP Dodecahydrate I Ice U Acetone J DI Water V MCAA K EDTA W pH 4-5 L EDA Y Trizma Z other (specify)	
Address: <i>234 W Florida Street Fifth Floor</i>		Due Date Requested:							
City: <i>Milwaukee</i>		FAT Requested (days): <i>Standard</i>							
State, Zip: <i>WI, 53204</i>		Compliance Project: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No							
Phone: <i>262-901-3510(Tel)</i>		PO #: <i>MIRRO 19</i>		PFAS, Standard List (33 analytes)		Special Instructions/Note:			
Email: <i>plindquist@ramboll.com</i>		WO #:							
Project Name: <i>Manitowoc at Former Mitro Plant No 9</i>		Project #: <i>50020429</i>							
Site: <i>Manitowoc at Former Mitro Plant No 9</i>		SSOW#:							
Sample Identification		Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	PFAS, Standard List (33 analytes)		Special Instructions/Note:	
<i>MW-228</i>		<i>7-19-23</i>	<i>0804</i>	<i>G</i>	<i>Water</i>	<i>NN</i>	<i>X</i>		
<i>Apn 7-20-23</i>					<i>Water</i>			 500-237072 Chain of Custody	
					<i>Water</i>				
					<i>Water</i>				
					<i>Water</i>				
					<i>Water</i>				
					<i>Water</i>				
					<i>Water</i>				
					<i>Water</i>				
Possible Hazard Identification					Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)				
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological					<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months				
Deliverable Requested: I, II, III, IV Other (specify)					Special Instructions/QC Requirements:				
Empty Kit Relinquished by: <i>[Signature]</i>		Date: _____		Time: _____		Method of Shipment:			
Relinquished by: <i>[Signature]</i>		Date/Time: <i>7-21-23 1245</i>		Company: <i>RAMBOLL</i>		Received by: <i>[Signature]</i>		Date/Time: <i>7-21-23 1245</i> Company: <i>Eurofins</i>	
Relinquished by: <i>[Signature]</i>		Date/Time: <i>7-21-23 1700</i>		Company: <i>Eurofins</i>		Received by: <i>[Signature]</i>		Date/Time: <i>7/22/23 900</i> Company: <i>EEISAC</i>	
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time: Company:	
Custody Seals Intact: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: <i>2100</i>					

Page 20 of 23

7/31/2023



Login Sample Receipt Checklist

Client: Ramboll US Corporation

Job Number: 500-237072-1

Login Number: 237072

List Number: 2

Creator: Fisher, Jamyiah L

List Source: Eurofins Sacramento

List Creation: 07/24/23 11:01 AM

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	2330336
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.1
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



500-237072 Field Sheet

Tracking # 6578-9771-0559

Job _____

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier
GSO / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal Cooler Custody Seal, Temperature & corrected Temperature & other observations.
File in the job folder with the COC.

Therm. ID <u>L-09</u> Corr Factor (+/-) <u>0</u> °C	Notes _____ _____ _____ _____ _____ _____ _____ _____ _____ _____ _____ _____ _____ _____ _____
Ice <input checked="" type="checkbox"/> Wet <input checked="" type="checkbox"/> Gel _____ Other _____	
Cooler Custody Seal: <u>2330336</u>	
Cooler ID: <u>2052</u>	
Temp Observed: <u>21</u> °C Corrected: <u>21</u> °C From Temp Blank <input type="checkbox"/> Sample <input checked="" type="checkbox"/>	
Opening/Processing The Shipment Yes No NA	
Cooler compromised/tampered with? <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	
Cooler Temperature is acceptable? <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
Frozen samples show signs of thaw? <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	
Initials: <u>JL</u> Date: <u>7/22/23</u>	
Unpacking/Labeling The Samples Yes No NA	
COC is complete w/o discrepancies? <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
Samples compromised/tampered with? <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	
Containers are not broken or leaking? <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
Sample custody seal? <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	
Sample containers have legible labels? <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
Sample date/times are provided? <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
Appropriate containers are used? <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
Sample bottles are completely filled? <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
Sample preservatives verified? <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	
Is the Field Sampler's name on COC? <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
Samples require splitting/compositing? <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	
Samples w/o discrepancies? <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
Zero headspace? * <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	
Alkalinity has no headspace? <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	
Perchlorate has headspace? <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	
(Methods 314, 331 6850)	
Multiphasic samples are not present? <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
*Containers requiring zero headspace have no headspace, or bubble < 5 mm (1/4")	
Initials: <u>JF</u> Date: <u>7/24/23</u>	Trizma Lot #(s) _____ _____ _____
	Login Completion Yes No NA
	Receipt Temperature on COC? <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
	Samples received within hold time? <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
	NCM Filed? <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>
	Log Release checked in TALS? <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

Isotope Dilution Summary

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237072-1

Method: 537 (modified) - Fluorinated Alkyl Substances

Matrix: Water

Prep Type: Total/NA

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	PFBA (25-150)	PFPeA (25-150)	PFHxA (25-150)	C4PFHA (25-150)	PFOA (25-150)	PFNA (25-150)	PFDA (25-150)	PFUnA (25-150)
500-237072-1	MW-228	86	112	113	117	108	111	115	107
LCS 320-694112/2-A	Lab Control Sample	116	121	124	129	121	122	125	114
LCSD 320-694112/3-A	Lab Control Sample Dup	109	112	116	126	119	119	118	111
MB 320-694112/1-A	Method Blank	110	113	122	120	114	120	124	116

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	PFDaA (25-150)	PFTDA (25-150)	C3PFBS (25-150)	PFHxS (25-150)	PFOS (25-150)	PFOSA (10-150)	d3NMFOS (25-150)	d5NEFOS (25-150)
500-237072-1	MW-228	97	78	102	103	104	115	109	112
LCS 320-694112/2-A	Lab Control Sample	110	93	120	127	117	117	129	120
LCSD 320-694112/3-A	Lab Control Sample Dup	115	95	113	119	111	112	123	123
MB 320-694112/1-A	Method Blank	111	103	114	118	112	115	126	123

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	dMeFOSA (10-150)	dEtFOSA (10-150)	NMFM (10-150)	NEFM (10-150)	M242FTS (25-150)	M262FTS (25-150)	M282FTS (25-150)	HFPODA (25-150)
500-237072-1	MW-228	86	87	92	89	119	108	107	97
LCS 320-694112/2-A	Lab Control Sample	95	101	107	106	116	111	117	116
LCSD 320-694112/3-A	Lab Control Sample Dup	90	96	114	103	108	112	111	117
MB 320-694112/1-A	Method Blank	90	92	104	102	113	122	123	106

Surrogate Legend

PFBA = 13C4 PFBA
 PFPeA = 13C5 PFPeA
 PFHxA = 13C2 PFHxA
 C4PFHA = 13C4 PFHpA
 PFOA = 13C4 PFOA
 PFNA = 13C5 PFNA
 PFDA = 13C2 PFDA
 PFUnA = 13C2 PFUnA
 PFDaA = 13C2 PFDaA
 PFTDA = 13C2 PFTeDA
 C3PFBS = 13C3 PFBS
 PFHxS = 18O2 PFHxS
 PFOS = 13C4 PFOS
 PFOSA = 13C8 FOSA
 d3NMFOS = d3-NMeFOSAA
 d5NEFOS = d5-NEtFOSAA
 dMeFOSA = d-N-MeFOSA-M
 dEtFOSA = d-N-EtFOSA-M
 NMFM = d7-N-MeFOSE-M
 NEFM = d9-N-EtFOSE-M
 M242FTS = M2-4:2 FTS
 M262FTS = M2-6:2 FTS
 M282FTS = M2-8:2 FTS
 HFPODA = 13C3 HFPO-DA



ANALYTICAL REPORT

PREPARED FOR

Attn: Paul Lindquist
Ramboll US Corporation
234 W. Florida Street
Fifth Floor
Milwaukee, Wisconsin 53204

Generated 8/15/2023 11:00:03 AM Revision 2

JOB DESCRIPTION

Former Mirro Plant No 9 - 1690019647

JOB NUMBER

500-237073-1

Eurofins Chicago

Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of Eurofins Environment Testing North Central, LLC and its client. All questions regarding this report should be directed to the Eurofins Environment Testing North Central, LLC Project Manager who has signed this report.

Results relate only to the items tested and the sample(s) as received by the laboratory. The results, detection limits (LOD) and Quantitation Limits (LOQ) have been adjusted for sample dilutions and/or solids content.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Chicago Project Manager.

Authorization



Generated
8/15/2023 11:00:03 AM
Revision 2

Authorized for release by
Sandie Fredrick, Project Manager II
Sandra.Fredrick@et.eurofinsus.com
(920)261-1660



Table of Contents

Cover Page	1
Table of Contents	3
Case Narrative	4
Detection Summary	5
Method Summary	6
Sample Summary	7
Client Sample Results	8
Definitions	16
QC Association	17
Surrogate Summary	18
QC Sample Results	19
Chronicle	28
Certification Summary	29
Chain of Custody	30
Receipt Checklists	33
Field Data Sheets	35
Isotope Dilution Summary	36

Case Narrative

Client: Ramboll US Corporation
Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237073-1

Job ID: 500-237073-1

Laboratory: Eurofins Chicago

Narrative

Job Narrative 500-237073-1

Revision

The report being provided is a revision of the original report sent on 8/8/2023. The report (revision 2) is being revised due to: Revised report to correct swapped sample times.

Report revision history

Revision 1 - 8/8/2023 - Reason - MB not showing up - QA request for update.

Receipt

The samples were received on 7/22/2023 9:50 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 2.1° C and 3.0° C.

GC/MS VOA

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

LCMS

Method 537 (modified): The "I" qualifier means the transition mass ratio for the indicated analyte was above the established ratio limits. The qualitative identification of the analyte has some degree of uncertainty, and the reported value may have some high bias. However, analyst judgment was used to positively identify the analyte. MW-217 (500-237073-1)

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

Organic Prep

Method 3535: The following samples in preparation batch 320-695760 were observed to have a thin layer of sediment present in the bottom of the bottle prior to extraction. MW-218 (500-237073-2)

Method: 3535_PFC_28D

Matrix: Aqueous

Method 3535: During the solid phase extraction process, the following samples contain non-settleable particulates which clogged the solid phase extraction column: MW-217 (500-237073-1) and MW-218 (500-237073-2).

Method: 3535_PFC_28D

Matrix: Aqueous

preparation batch 320-695760

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

Detection Summary

Client: Ramboll US Corporation
Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237073-1

Client Sample ID: MW-217

Lab Sample ID: 500-237073-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid (PFHxA)	1.3	J I	1.9	0.56	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.97	J	1.9	0.24	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	2.9		1.9	0.82	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MW-218

Lab Sample ID: 500-237073-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	4.0	J	4.4	2.1	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	1.2	J	1.7	0.43	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	1.9		1.7	0.51	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	1.8		1.7	0.22	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	70		1.7	0.74	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	1.8		1.7	0.17	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MW-217 Dup

Lab Sample ID: 500-237073-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid (PFHxA)	1.3	J	1.9	0.56	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	1.1	J	1.9	0.24	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	2.9		1.9	0.81	ng/L	1		537 (modified)	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Chicago

Method Summary

Client: Ramboll US Corporation
Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237073-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	EET CHI
537 (modified)	Fluorinated Alkyl Substances	EPA	EET SAC
3535	Solid-Phase Extraction (SPE)	SW846	EET SAC
5030B	Purge and Trap	SW846	EET CHI

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

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

Sample Summary

Client: Ramboll US Corporation
Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237073-1

<u>Lab Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Collected</u>	<u>Received</u>
500-237073-1	MW-217	Water	07/20/23 12:51	07/22/23 09:50
500-237073-2	MW-218	Water	07/20/23 10:33	07/22/23 09:50
500-237073-3	MW-217 Dup	Water	07/20/23 12:54	07/22/23 09:50

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237073-1

Client Sample ID: MW-217

Lab Sample ID: 500-237073-1

Date Collected: 07/20/23 12:51

Matrix: Water

Date Received: 07/22/23 09:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			08/02/23 03:24	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/02/23 03:24	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/02/23 03:24	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/02/23 03:24	1
Bromoform	<0.48		1.0	0.48	ug/L			08/02/23 03:24	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/02/23 03:24	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/02/23 03:24	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/02/23 03:24	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/02/23 03:24	1
Chloroform	<0.37		2.0	0.37	ug/L			08/02/23 03:24	1
Chloromethane	<0.32		5.0	0.32	ug/L			08/02/23 03:24	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/02/23 03:24	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/02/23 03:24	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			08/02/23 03:24	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/02/23 03:24	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/02/23 03:24	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/02/23 03:24	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/02/23 03:24	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/02/23 03:24	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/02/23 03:24	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/02/23 03:24	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/02/23 03:24	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/02/23 03:24	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/02/23 03:24	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/02/23 03:24	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/02/23 03:24	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/02/23 03:24	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/02/23 03:24	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/02/23 03:24	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/02/23 03:24	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/02/23 03:24	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/02/23 03:24	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			08/02/23 03:24	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/02/23 03:24	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/02/23 03:24	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/02/23 03:24	1
Naphthalene	<0.34		1.0	0.34	ug/L			08/02/23 03:24	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/02/23 03:24	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			08/02/23 03:24	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			08/02/23 03:24	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			08/02/23 03:24	1
Styrene	<0.39		1.0	0.39	ug/L			08/02/23 03:24	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			08/02/23 03:24	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/02/23 03:24	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/02/23 03:24	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			08/02/23 03:24	1
Toluene	<0.15		0.50	0.15	ug/L			08/02/23 03:24	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			08/02/23 03:24	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/02/23 03:24	1

Eurofins Chicago

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237073-1

Client Sample ID: MW-217

Lab Sample ID: 500-237073-1

Date Collected: 07/20/23 12:51

Matrix: Water

Date Received: 07/22/23 09:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/02/23 03:24	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/02/23 03:24	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/02/23 03:24	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/02/23 03:24	1
Trichloroethene	<0.16		0.50	0.16	ug/L			08/02/23 03:24	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/02/23 03:24	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/02/23 03:24	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			08/02/23 03:24	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			08/02/23 03:24	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/02/23 03:24	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			08/02/23 03:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		72 - 124		08/02/23 03:24	1
Dibromofluoromethane (Surr)	97		75 - 120		08/02/23 03:24	1
1,2-Dichloroethane-d4 (Surr)	103		75 - 126		08/02/23 03:24	1
Toluene-d8 (Surr)	107		75 - 120		08/02/23 03:24	1

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.3		4.8	2.3	ng/L		08/03/23 04:27	08/03/23 17:31	1
Perfluoropentanoic acid (PFPeA)	<0.47		1.9	0.47	ng/L		08/03/23 04:27	08/03/23 17:31	1
Perfluorohexanoic acid (PFHxA)	1.3	J I	1.9	0.56	ng/L		08/03/23 04:27	08/03/23 17:31	1
Perfluoroheptanoic acid (PFHpA)	0.97	J	1.9	0.24	ng/L		08/03/23 04:27	08/03/23 17:31	1
Perfluorooctanoic acid (PFOA)	2.9		1.9	0.82	ng/L		08/03/23 04:27	08/03/23 17:31	1
Perfluorononanoic acid (PFNA)	<0.26		1.9	0.26	ng/L		08/03/23 04:27	08/03/23 17:31	1
Perfluorodecanoic acid (PFDA)	<0.30		1.9	0.30	ng/L		08/03/23 04:27	08/03/23 17:31	1
Perfluoroundecanoic acid (PFUnA)	<1.1		1.9	1.1	ng/L		08/03/23 04:27	08/03/23 17:31	1
Perfluorododecanoic acid (PFDoA)	<0.53		1.9	0.53	ng/L		08/03/23 04:27	08/03/23 17:31	1
Perfluorotridecanoic acid (PFTriA)	<1.3		1.9	1.3	ng/L		08/03/23 04:27	08/03/23 17:31	1
Perfluorotetradecanoic acid (PFTeA)	<0.71		1.9	0.71	ng/L		08/03/23 04:27	08/03/23 17:31	1
Perfluorobutanesulfonic acid (PFBS)	<0.19		1.9	0.19	ng/L		08/03/23 04:27	08/03/23 17:31	1
Perfluoropentanesulfonic acid (PFPeS)	<0.29		1.9	0.29	ng/L		08/03/23 04:27	08/03/23 17:31	1
Perfluorohexanesulfonic acid (PFHxS)	<0.55		1.9	0.55	ng/L		08/03/23 04:27	08/03/23 17:31	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.18		1.9	0.18	ng/L		08/03/23 04:27	08/03/23 17:31	1
Perfluorooctanesulfonic acid (PFOS)	<0.52		1.9	0.52	ng/L		08/03/23 04:27	08/03/23 17:31	1
Perfluorononanesulfonic acid (PFNS)	<0.36		1.9	0.36	ng/L		08/03/23 04:27	08/03/23 17:31	1
Perfluorodecanesulfonic acid (PFDS)	<0.31		1.9	0.31	ng/L		08/03/23 04:27	08/03/23 17:31	1
Perfluorododecanesulfonic acid (PFDoS)	<0.94		1.9	0.94	ng/L		08/03/23 04:27	08/03/23 17:31	1
Perfluorooctanesulfonamide (FOSA)	<0.95		1.9	0.95	ng/L		08/03/23 04:27	08/03/23 17:31	1
NEtFOSA	<0.84		1.9	0.84	ng/L		08/03/23 04:27	08/03/23 17:31	1
NMeFOSA	<0.42		1.9	0.42	ng/L		08/03/23 04:27	08/03/23 17:31	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<1.2		4.8	1.2	ng/L		08/03/23 04:27	08/03/23 17:31	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<1.3		4.8	1.3	ng/L		08/03/23 04:27	08/03/23 17:31	1
NMeFOSE	<1.4		3.9	1.4	ng/L		08/03/23 04:27	08/03/23 17:31	1
NEtFOSE	<0.82		1.9	0.82	ng/L		08/03/23 04:27	08/03/23 17:31	1

Eurofins Chicago

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237073-1

Client Sample ID: MW-217

Lab Sample ID: 500-237073-1

Date Collected: 07/20/23 12:51

Matrix: Water

Date Received: 07/22/23 09:50

Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4:2 FTS	<0.23		1.9	0.23	ng/L		08/03/23 04:27	08/03/23 17:31	1
6:2 FTS	<2.4		4.8	2.4	ng/L		08/03/23 04:27	08/03/23 17:31	1
8:2 FTS	<0.45		1.9	0.45	ng/L		08/03/23 04:27	08/03/23 17:31	1
DONA	<0.39		1.9	0.39	ng/L		08/03/23 04:27	08/03/23 17:31	1
HFPO-DA (GenX)	<1.5		3.9	1.5	ng/L		08/03/23 04:27	08/03/23 17:31	1
F-53B Major	<0.23		1.9	0.23	ng/L		08/03/23 04:27	08/03/23 17:31	1
F-53B Minor	<0.31		1.9	0.31	ng/L		08/03/23 04:27	08/03/23 17:31	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	86		25 - 150				08/03/23 04:27	08/03/23 17:31	1
13C5 PFPeA	91		25 - 150				08/03/23 04:27	08/03/23 17:31	1
13C2 PFHxA	89		25 - 150				08/03/23 04:27	08/03/23 17:31	1
13C4 PFHpA	103		25 - 150				08/03/23 04:27	08/03/23 17:31	1
13C4 PFOA	93		25 - 150				08/03/23 04:27	08/03/23 17:31	1
13C5 PFNA	94		25 - 150				08/03/23 04:27	08/03/23 17:31	1
13C2 PFDA	93		25 - 150				08/03/23 04:27	08/03/23 17:31	1
13C2 PFUnA	83		25 - 150				08/03/23 04:27	08/03/23 17:31	1
13C2 PFDoA	79		25 - 150				08/03/23 04:27	08/03/23 17:31	1
13C2 PFTeDA	76		25 - 150				08/03/23 04:27	08/03/23 17:31	1
13C3 PFBS	100		25 - 150				08/03/23 04:27	08/03/23 17:31	1
18O2 PFHxS	101		25 - 150				08/03/23 04:27	08/03/23 17:31	1
13C4 PFOS	93		25 - 150				08/03/23 04:27	08/03/23 17:31	1
13C8 FOSA	99		10 - 150				08/03/23 04:27	08/03/23 17:31	1
d3-NMeFOSAA	85		25 - 150				08/03/23 04:27	08/03/23 17:31	1
d5-NEtFOSAA	92		25 - 150				08/03/23 04:27	08/03/23 17:31	1
d-N-MeFOSA-M	77		10 - 150				08/03/23 04:27	08/03/23 17:31	1
d-N-EtFOSA-M	80		10 - 150				08/03/23 04:27	08/03/23 17:31	1
d7-N-MeFOSE-M	82		10 - 150				08/03/23 04:27	08/03/23 17:31	1
d9-N-EtFOSE-M	82		10 - 150				08/03/23 04:27	08/03/23 17:31	1
M2-4:2 FTS	79		25 - 150				08/03/23 04:27	08/03/23 17:31	1
M2-6:2 FTS	102		25 - 150				08/03/23 04:27	08/03/23 17:31	1
M2-8:2 FTS	80		25 - 150				08/03/23 04:27	08/03/23 17:31	1
13C3 HFPO-DA	96		25 - 150				08/03/23 04:27	08/03/23 17:31	1

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237073-1

Client Sample ID: MW-218

Lab Sample ID: 500-237073-2

Date Collected: 07/20/23 10:33

Matrix: Water

Date Received: 07/22/23 09:50

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	4.0	J	4.4	2.1	ng/L		08/03/23 04:27	08/03/23 17:41	1
Perfluoropentanoic acid (PFPeA)	1.2	J	1.7	0.43	ng/L		08/03/23 04:27	08/03/23 17:41	1
Perfluorohexanoic acid (PFHxA)	1.9		1.7	0.51	ng/L		08/03/23 04:27	08/03/23 17:41	1
Perfluoroheptanoic acid (PFHpA)	1.8		1.7	0.22	ng/L		08/03/23 04:27	08/03/23 17:41	1
Perfluorooctanoic acid (PFOA)	70		1.7	0.74	ng/L		08/03/23 04:27	08/03/23 17:41	1
Perfluorononanoic acid (PFNA)	<0.24		1.7	0.24	ng/L		08/03/23 04:27	08/03/23 17:41	1
Perfluorodecanoic acid (PFDA)	<0.27		1.7	0.27	ng/L		08/03/23 04:27	08/03/23 17:41	1
Perfluoroundecanoic acid (PFUnA)	<0.96		1.7	0.96	ng/L		08/03/23 04:27	08/03/23 17:41	1
Perfluorododecanoic acid (PFDoA)	<0.48		1.7	0.48	ng/L		08/03/23 04:27	08/03/23 17:41	1
Perfluorotridecanoic acid (PFTriA)	<1.1		1.7	1.1	ng/L		08/03/23 04:27	08/03/23 17:41	1
Perfluorotetradecanoic acid (PFTeA)	<0.64		1.7	0.64	ng/L		08/03/23 04:27	08/03/23 17:41	1
Perfluorobutanesulfonic acid (PFBS)	1.8		1.7	0.17	ng/L		08/03/23 04:27	08/03/23 17:41	1
Perfluoropentanesulfonic acid (PFPeS)	<0.26		1.7	0.26	ng/L		08/03/23 04:27	08/03/23 17:41	1
Perfluorohexanesulfonic acid (PFHxS)	<0.50		1.7	0.50	ng/L		08/03/23 04:27	08/03/23 17:41	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.17		1.7	0.17	ng/L		08/03/23 04:27	08/03/23 17:41	1
Perfluorooctanesulfonic acid (PFOS)	<0.47		1.7	0.47	ng/L		08/03/23 04:27	08/03/23 17:41	1
Perfluorononanesulfonic acid (PFNS)	<0.32		1.7	0.32	ng/L		08/03/23 04:27	08/03/23 17:41	1
Perfluorodecanesulfonic acid (PFDS)	<0.28		1.7	0.28	ng/L		08/03/23 04:27	08/03/23 17:41	1
Perfluorododecanesulfonic acid (PFDoS)	<0.85		1.7	0.85	ng/L		08/03/23 04:27	08/03/23 17:41	1
Perfluorooctanesulfonamide (FOSA)	<0.86		1.7	0.86	ng/L		08/03/23 04:27	08/03/23 17:41	1
NEtFOSA	<0.76		1.7	0.76	ng/L		08/03/23 04:27	08/03/23 17:41	1
NMeFOSA	<0.38		1.7	0.38	ng/L		08/03/23 04:27	08/03/23 17:41	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<1.0		4.4	1.0	ng/L		08/03/23 04:27	08/03/23 17:41	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<1.1		4.4	1.1	ng/L		08/03/23 04:27	08/03/23 17:41	1
NMeFOSE	<1.2		3.5	1.2	ng/L		08/03/23 04:27	08/03/23 17:41	1
NEtFOSE	<0.74		1.7	0.74	ng/L		08/03/23 04:27	08/03/23 17:41	1
4:2 FTS	<0.21		1.7	0.21	ng/L		08/03/23 04:27	08/03/23 17:41	1
6:2 FTS	<2.2		4.4	2.2	ng/L		08/03/23 04:27	08/03/23 17:41	1
8:2 FTS	<0.40		1.7	0.40	ng/L		08/03/23 04:27	08/03/23 17:41	1
DONA	<0.35		1.7	0.35	ng/L		08/03/23 04:27	08/03/23 17:41	1
HFPO-DA (GenX)	<1.3		3.5	1.3	ng/L		08/03/23 04:27	08/03/23 17:41	1
F-53B Major	<0.21		1.7	0.21	ng/L		08/03/23 04:27	08/03/23 17:41	1
F-53B Minor	<0.28		1.7	0.28	ng/L		08/03/23 04:27	08/03/23 17:41	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	82		25 - 150				08/03/23 04:27	08/03/23 17:41	1
13C5 PFPeA	83		25 - 150				08/03/23 04:27	08/03/23 17:41	1
13C2 PFHxA	78		25 - 150				08/03/23 04:27	08/03/23 17:41	1
13C4 PFHpA	90		25 - 150				08/03/23 04:27	08/03/23 17:41	1
13C4 PFOA	84		25 - 150				08/03/23 04:27	08/03/23 17:41	1
13C5 PFNA	84		25 - 150				08/03/23 04:27	08/03/23 17:41	1
13C2 PFDA	84		25 - 150				08/03/23 04:27	08/03/23 17:41	1
13C2 PFUnA	79		25 - 150				08/03/23 04:27	08/03/23 17:41	1
13C2 PFDoA	76		25 - 150				08/03/23 04:27	08/03/23 17:41	1
13C2 PFTeDA	61		25 - 150				08/03/23 04:27	08/03/23 17:41	1
13C3 PFBS	90		25 - 150				08/03/23 04:27	08/03/23 17:41	1

Eurofins Chicago

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237073-1

Client Sample ID: MW-218
Date Collected: 07/20/23 10:33
Date Received: 07/22/23 09:50

Lab Sample ID: 500-237073-2
Matrix: Water

Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
18O2 PFHxS	87		25 - 150	08/03/23 04:27	08/03/23 17:41	1
13C4 PFOS	86		25 - 150	08/03/23 04:27	08/03/23 17:41	1
13C8 FOSA	92		10 - 150	08/03/23 04:27	08/03/23 17:41	1
d3-NMeFOSAA	86		25 - 150	08/03/23 04:27	08/03/23 17:41	1
d5-NEtFOSAA	80		25 - 150	08/03/23 04:27	08/03/23 17:41	1
d-N-MeFOSA-M	64		10 - 150	08/03/23 04:27	08/03/23 17:41	1
d-N-EtFOSA-M	67		10 - 150	08/03/23 04:27	08/03/23 17:41	1
d7-N-MeFOSE-M	67		10 - 150	08/03/23 04:27	08/03/23 17:41	1
d9-N-EtFOSE-M	68		10 - 150	08/03/23 04:27	08/03/23 17:41	1
M2-4:2 FTS	78		25 - 150	08/03/23 04:27	08/03/23 17:41	1
M2-6:2 FTS	90		25 - 150	08/03/23 04:27	08/03/23 17:41	1
M2-8:2 FTS	75		25 - 150	08/03/23 04:27	08/03/23 17:41	1
13C3 HFPO-DA	82		25 - 150	08/03/23 04:27	08/03/23 17:41	1

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237073-1

Client Sample ID: MW-217 Dup

Lab Sample ID: 500-237073-3

Date Collected: 07/20/23 12:54

Matrix: Water

Date Received: 07/22/23 09:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			08/02/23 03:49	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/02/23 03:49	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/02/23 03:49	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/02/23 03:49	1
Bromoform	<0.48		1.0	0.48	ug/L			08/02/23 03:49	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/02/23 03:49	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/02/23 03:49	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/02/23 03:49	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/02/23 03:49	1
Chloroform	<0.37		2.0	0.37	ug/L			08/02/23 03:49	1
Chloromethane	<0.32		5.0	0.32	ug/L			08/02/23 03:49	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/02/23 03:49	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/02/23 03:49	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			08/02/23 03:49	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/02/23 03:49	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/02/23 03:49	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/02/23 03:49	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/02/23 03:49	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/02/23 03:49	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/02/23 03:49	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/02/23 03:49	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/02/23 03:49	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/02/23 03:49	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/02/23 03:49	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/02/23 03:49	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/02/23 03:49	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/02/23 03:49	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/02/23 03:49	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/02/23 03:49	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/02/23 03:49	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/02/23 03:49	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/02/23 03:49	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			08/02/23 03:49	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/02/23 03:49	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/02/23 03:49	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/02/23 03:49	1
Naphthalene	<0.34		1.0	0.34	ug/L			08/02/23 03:49	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/02/23 03:49	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			08/02/23 03:49	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			08/02/23 03:49	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			08/02/23 03:49	1
Styrene	<0.39		1.0	0.39	ug/L			08/02/23 03:49	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			08/02/23 03:49	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/02/23 03:49	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/02/23 03:49	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			08/02/23 03:49	1
Toluene	<0.15		0.50	0.15	ug/L			08/02/23 03:49	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			08/02/23 03:49	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/02/23 03:49	1

Eurofins Chicago

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237073-1

Client Sample ID: MW-217 Dup

Lab Sample ID: 500-237073-3

Date Collected: 07/20/23 12:54

Matrix: Water

Date Received: 07/22/23 09:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/02/23 03:49	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/02/23 03:49	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/02/23 03:49	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/02/23 03:49	1
Trichloroethene	<0.16		0.50	0.16	ug/L			08/02/23 03:49	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/02/23 03:49	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/02/23 03:49	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			08/02/23 03:49	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			08/02/23 03:49	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/02/23 03:49	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			08/02/23 03:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		72 - 124		08/02/23 03:49	1
Dibromofluoromethane (Surr)	101		75 - 120		08/02/23 03:49	1
1,2-Dichloroethane-d4 (Surr)	104		75 - 126		08/02/23 03:49	1
Toluene-d8 (Surr)	105		75 - 120		08/02/23 03:49	1

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.3		4.8	2.3	ng/L		08/03/23 04:27	08/03/23 17:51	1
Perfluoropentanoic acid (PFPeA)	<0.47		1.9	0.47	ng/L		08/03/23 04:27	08/03/23 17:51	1
Perfluorohexanoic acid (PFHxA)	1.3	J	1.9	0.56	ng/L		08/03/23 04:27	08/03/23 17:51	1
Perfluoroheptanoic acid (PFHpA)	1.1	J	1.9	0.24	ng/L		08/03/23 04:27	08/03/23 17:51	1
Perfluorooctanoic acid (PFOA)	2.9		1.9	0.81	ng/L		08/03/23 04:27	08/03/23 17:51	1
Perfluorononanoic acid (PFNA)	<0.26		1.9	0.26	ng/L		08/03/23 04:27	08/03/23 17:51	1
Perfluorodecanoic acid (PFDA)	<0.30		1.9	0.30	ng/L		08/03/23 04:27	08/03/23 17:51	1
Perfluoroundecanoic acid (PFUnA)	<1.1		1.9	1.1	ng/L		08/03/23 04:27	08/03/23 17:51	1
Perfluorododecanoic acid (PFDoA)	<0.53		1.9	0.53	ng/L		08/03/23 04:27	08/03/23 17:51	1
Perfluorotridecanoic acid (PFTriA)	<1.2		1.9	1.2	ng/L		08/03/23 04:27	08/03/23 17:51	1
Perfluorotetradecanoic acid (PFTeA)	<0.70		1.9	0.70	ng/L		08/03/23 04:27	08/03/23 17:51	1
Perfluorobutanesulfonic acid (PFBS)	<0.19		1.9	0.19	ng/L		08/03/23 04:27	08/03/23 17:51	1
Perfluoropentanesulfonic acid (PFPeS)	<0.29		1.9	0.29	ng/L		08/03/23 04:27	08/03/23 17:51	1
Perfluorohexanesulfonic acid (PFHxS)	<0.55		1.9	0.55	ng/L		08/03/23 04:27	08/03/23 17:51	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.18		1.9	0.18	ng/L		08/03/23 04:27	08/03/23 17:51	1
Perfluorooctanesulfonic acid (PFOS)	<0.52		1.9	0.52	ng/L		08/03/23 04:27	08/03/23 17:51	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		08/03/23 04:27	08/03/23 17:51	1
Perfluorodecanesulfonic acid (PFDS)	<0.31		1.9	0.31	ng/L		08/03/23 04:27	08/03/23 17:51	1
Perfluorododecanesulfonic acid (PFDoS)	<0.93		1.9	0.93	ng/L		08/03/23 04:27	08/03/23 17:51	1
Perfluorooctanesulfonamide (FOSA)	<0.94		1.9	0.94	ng/L		08/03/23 04:27	08/03/23 17:51	1
NEtFOSA	<0.83		1.9	0.83	ng/L		08/03/23 04:27	08/03/23 17:51	1
NMeFOSA	<0.41		1.9	0.41	ng/L		08/03/23 04:27	08/03/23 17:51	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<1.1		4.8	1.1	ng/L		08/03/23 04:27	08/03/23 17:51	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<1.2		4.8	1.2	ng/L		08/03/23 04:27	08/03/23 17:51	1
NMeFOSE	<1.3		3.8	1.3	ng/L		08/03/23 04:27	08/03/23 17:51	1
NEtFOSE	<0.81		1.9	0.81	ng/L		08/03/23 04:27	08/03/23 17:51	1

Eurofins Chicago

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237073-1

Client Sample ID: MW-217 Dup

Lab Sample ID: 500-237073-3

Date Collected: 07/20/23 12:54

Matrix: Water

Date Received: 07/22/23 09:50

Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4:2 FTS	<0.23		1.9	0.23	ng/L		08/03/23 04:27	08/03/23 17:51	1
6:2 FTS	<2.4		4.8	2.4	ng/L		08/03/23 04:27	08/03/23 17:51	1
8:2 FTS	<0.44		1.9	0.44	ng/L		08/03/23 04:27	08/03/23 17:51	1
DONA	<0.38		1.9	0.38	ng/L		08/03/23 04:27	08/03/23 17:51	1
HFPO-DA (GenX)	<1.4		3.8	1.4	ng/L		08/03/23 04:27	08/03/23 17:51	1
F-53B Major	<0.23		1.9	0.23	ng/L		08/03/23 04:27	08/03/23 17:51	1
F-53B Minor	<0.31		1.9	0.31	ng/L		08/03/23 04:27	08/03/23 17:51	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	91		25 - 150				08/03/23 04:27	08/03/23 17:51	1
13C5 PFPeA	97		25 - 150				08/03/23 04:27	08/03/23 17:51	1
13C2 PFHxA	93		25 - 150				08/03/23 04:27	08/03/23 17:51	1
13C4 PFHpA	109		25 - 150				08/03/23 04:27	08/03/23 17:51	1
13C4 PFOA	97		25 - 150				08/03/23 04:27	08/03/23 17:51	1
13C5 PFNA	99		25 - 150				08/03/23 04:27	08/03/23 17:51	1
13C2 PFDA	96		25 - 150				08/03/23 04:27	08/03/23 17:51	1
13C2 PFUnA	90		25 - 150				08/03/23 04:27	08/03/23 17:51	1
13C2 PFDoA	87		25 - 150				08/03/23 04:27	08/03/23 17:51	1
13C2 PFTeDA	79		25 - 150				08/03/23 04:27	08/03/23 17:51	1
13C3 PFBS	106		25 - 150				08/03/23 04:27	08/03/23 17:51	1
18O2 PFHxS	109		25 - 150				08/03/23 04:27	08/03/23 17:51	1
13C4 PFOS	98		25 - 150				08/03/23 04:27	08/03/23 17:51	1
13C8 FOSA	106		10 - 150				08/03/23 04:27	08/03/23 17:51	1
d3-NMeFOSAA	90		25 - 150				08/03/23 04:27	08/03/23 17:51	1
d5-NEtFOSAA	90		25 - 150				08/03/23 04:27	08/03/23 17:51	1
d-N-MeFOSA-M	79		10 - 150				08/03/23 04:27	08/03/23 17:51	1
d-N-EtFOSA-M	86		10 - 150				08/03/23 04:27	08/03/23 17:51	1
d7-N-MeFOSE-M	84		10 - 150				08/03/23 04:27	08/03/23 17:51	1
d9-N-EtFOSE-M	83		10 - 150				08/03/23 04:27	08/03/23 17:51	1
M2-4:2 FTS	84		25 - 150				08/03/23 04:27	08/03/23 17:51	1
M2-6:2 FTS	100		25 - 150				08/03/23 04:27	08/03/23 17:51	1
M2-8:2 FTS	90		25 - 150				08/03/23 04:27	08/03/23 17:51	1
13C3 HFPO-DA	100		25 - 150				08/03/23 04:27	08/03/23 17:51	1

Definitions/Glossary

Client: Ramboll US Corporation
Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237073-1

Qualifiers

LCMS

Qualifier	Qualifier Description
I	Value is EMPC (estimated maximum possible concentration).
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

QC Association Summary

Client: Ramboll US Corporation
Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237073-1

GC/MS VOA

Analysis Batch: 725883

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-237073-1	MW-217	Total/NA	Water	8260B	
500-237073-3	MW-217 Dup	Total/NA	Water	8260B	
MB 500-725883/10	Method Blank	Total/NA	Water	8260B	
LCS 500-725883/7	Lab Control Sample	Total/NA	Water	8260B	
500-237073-1 MS	MW-217	Total/NA	Water	8260B	
500-237073-1 MSD	MW-217	Total/NA	Water	8260B	

LCMS

Prep Batch: 695760

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-237073-1	MW-217	Total/NA	Water	3535	
500-237073-2	MW-218	Total/NA	Water	3535	
500-237073-3	MW-217 Dup	Total/NA	Water	3535	
MB 320-695760/1-A	Method Blank	Total/NA	Water	3535	
LCS 320-695760/2-A	Lab Control Sample	Total/NA	Water	3535	

Analysis Batch: 696077

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-237073-1	MW-217	Total/NA	Water	537 (modified)	695760
500-237073-2	MW-218	Total/NA	Water	537 (modified)	695760
500-237073-3	MW-217 Dup	Total/NA	Water	537 (modified)	695760
LCS 320-695760/2-A	Lab Control Sample	Total/NA	Water	537 (modified)	695760

Analysis Batch: 696784

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 320-695760/1-A	Method Blank	Total/NA	Water	537 (modified)	695760

Surrogate Summary

Client: Ramboll US Corporation
Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237073-1

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

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	BFB	DBFM	DCA	TOL
		(72-124)	(75-120)	(75-126)	(75-120)
500-237073-1	MW-217	112	97	103	107
500-237073-1 MS	MW-217	109	98	100	109
500-237073-1 MSD	MW-217	113	95	102	112
500-237073-3	MW-217 Dup	111	101	104	105
LCS 500-725883/7	Lab Control Sample	106	95	95	108
MB 500-725883/10	Method Blank	115	93	101	109

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

DCA = 1,2-Dichloroethane-d4 (Surr)

TOL = Toluene-d8 (Surr)

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237073-1

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

Lab Sample ID: MB 500-725883/10
Matrix: Water
Analysis Batch: 725883

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.15		0.50	0.15	ug/L			08/01/23 22:48	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/01/23 22:48	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/01/23 22:48	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/01/23 22:48	1
Bromoform	<0.48		1.0	0.48	ug/L			08/01/23 22:48	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/01/23 22:48	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/01/23 22:48	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/01/23 22:48	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/01/23 22:48	1
Chloroform	<0.37		2.0	0.37	ug/L			08/01/23 22:48	1
Chloromethane	<0.32		5.0	0.32	ug/L			08/01/23 22:48	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/01/23 22:48	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/01/23 22:48	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			08/01/23 22:48	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/01/23 22:48	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/01/23 22:48	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/01/23 22:48	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/01/23 22:48	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/01/23 22:48	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/01/23 22:48	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/01/23 22:48	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/01/23 22:48	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/01/23 22:48	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/01/23 22:48	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/01/23 22:48	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/01/23 22:48	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/01/23 22:48	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/01/23 22:48	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/01/23 22:48	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/01/23 22:48	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/01/23 22:48	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/01/23 22:48	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			08/01/23 22:48	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/01/23 22:48	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/01/23 22:48	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/01/23 22:48	1
Naphthalene	<0.34		1.0	0.34	ug/L			08/01/23 22:48	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/01/23 22:48	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			08/01/23 22:48	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			08/01/23 22:48	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			08/01/23 22:48	1
Styrene	<0.39		1.0	0.39	ug/L			08/01/23 22:48	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			08/01/23 22:48	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/01/23 22:48	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/01/23 22:48	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			08/01/23 22:48	1
Toluene	<0.15		0.50	0.15	ug/L			08/01/23 22:48	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			08/01/23 22:48	1

Eurofins Chicago

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237073-1

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

Lab Sample ID: MB 500-725883/10
Matrix: Water
Analysis Batch: 725883

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/01/23 22:48	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/01/23 22:48	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/01/23 22:48	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/01/23 22:48	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/01/23 22:48	1
Trichloroethene	<0.16		0.50	0.16	ug/L			08/01/23 22:48	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/01/23 22:48	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/01/23 22:48	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			08/01/23 22:48	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			08/01/23 22:48	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/01/23 22:48	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			08/01/23 22:48	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	115		72 - 124		08/01/23 22:48	1
Dibromofluoromethane (Surr)	93		75 - 120		08/01/23 22:48	1
1,2-Dichloroethane-d4 (Surr)	101		75 - 126		08/01/23 22:48	1
Toluene-d8 (Surr)	109		75 - 120		08/01/23 22:48	1

Lab Sample ID: LCS 500-725883/7
Matrix: Water
Analysis Batch: 725883

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromobenzene	50.0	54.3		ug/L		109	70 - 122
Bromochloromethane	50.0	45.3		ug/L		91	65 - 122
Bromodichloromethane	50.0	48.4		ug/L		97	69 - 120
Bromoform	50.0	44.8		ug/L		90	56 - 132
Bromomethane	50.0	55.3		ug/L		111	40 - 152
Carbon tetrachloride	50.0	51.0		ug/L		102	59 - 133
Chlorobenzene	50.0	52.5		ug/L		105	70 - 120
Chloroethane	50.0	44.9		ug/L		90	48 - 136
Chloroform	50.0	45.1		ug/L		90	70 - 120
Chloromethane	50.0	37.2		ug/L		74	56 - 152
2-Chlorotoluene	50.0	53.1		ug/L		106	70 - 125
4-Chlorotoluene	50.0	53.2		ug/L		106	68 - 124
cis-1,2-Dichloroethene	50.0	46.8		ug/L		94	70 - 125
cis-1,3-Dichloropropene	50.0	56.1		ug/L		112	64 - 127
Dibromochloromethane	50.0	51.8		ug/L		104	68 - 125
1,2-Dibromo-3-Chloropropane	50.0	42.8		ug/L		86	56 - 123
1,2-Dibromoethane	50.0	54.5		ug/L		109	70 - 125
Dibromomethane	50.0	50.1		ug/L		100	70 - 120
1,2-Dichlorobenzene	50.0	51.2		ug/L		102	70 - 125
1,3-Dichlorobenzene	50.0	52.6		ug/L		105	70 - 125
1,4-Dichlorobenzene	50.0	50.1		ug/L		100	70 - 120
Dichlorodifluoromethane	50.0	38.3		ug/L		77	40 - 159
1,1-Dichloroethane	50.0	49.3		ug/L		99	70 - 125

Eurofins Chicago

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237073-1

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

Lab Sample ID: LCS 500-725883/7
 Matrix: Water
 Analysis Batch: 725883

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dichloroethane	50.0	51.5		ug/L		103	68 - 127
1,1-Dichloroethene	50.0	48.8		ug/L		98	67 - 122
1,2-Dichloropropane	50.0	50.1		ug/L		100	67 - 130
1,3-Dichloropropane	50.0	57.1		ug/L		114	62 - 136
2,2-Dichloropropane	50.0	48.3		ug/L		97	58 - 139
1,1-Dichloropropene	50.0	51.3		ug/L		103	70 - 121
Ethylbenzene	50.0	48.5		ug/L		97	70 - 123
Hexachlorobutadiene	50.0	55.1		ug/L		110	51 - 150
Isopropylbenzene	50.0	54.6		ug/L		109	70 - 126
Methylene Chloride	50.0	49.1		ug/L		98	69 - 125
Methyl tert-butyl ether	50.0	48.8		ug/L		98	55 - 123
Naphthalene	50.0	45.7		ug/L		91	53 - 144
n-Butylbenzene	50.0	50.7		ug/L		101	68 - 125
N-Propylbenzene	50.0	54.5		ug/L		109	69 - 127
p-Isopropyltoluene	50.0	52.0		ug/L		104	70 - 125
sec-Butylbenzene	50.0	52.9		ug/L		106	70 - 123
Styrene	50.0	48.2		ug/L		96	70 - 120
tert-Butylbenzene	50.0	53.0		ug/L		106	70 - 121
1,1,1,2-Tetrachloroethane	50.0	51.7		ug/L		103	70 - 125
1,1,2,2-Tetrachloroethane	50.0	51.4		ug/L		103	62 - 140
Tetrachloroethene	50.0	55.1		ug/L		110	70 - 128
Toluene	50.0	52.6		ug/L		105	70 - 125
trans-1,2-Dichloroethene	50.0	47.7		ug/L		95	70 - 125
trans-1,3-Dichloropropene	50.0	53.5		ug/L		107	62 - 128
1,2,3-Trichlorobenzene	50.0	51.4		ug/L		103	51 - 145
1,2,4-Trichlorobenzene	50.0	50.9		ug/L		102	57 - 137
1,1,1-Trichloroethane	50.0	48.0		ug/L		96	70 - 125
1,1,2-Trichloroethane	50.0	53.0		ug/L		106	71 - 130
Trichloroethene	50.0	48.5		ug/L		97	70 - 125
Trichlorofluoromethane	50.0	43.1		ug/L		86	55 - 128
1,2,3-Trichloropropane	50.0	54.3		ug/L		109	50 - 133
1,2,4-Trimethylbenzene	50.0	51.2		ug/L		102	70 - 123
1,3,5-Trimethylbenzene	50.0	52.7		ug/L		105	70 - 123
Vinyl chloride	50.0	40.4		ug/L		81	64 - 126
Xylenes, Total	100	97.3		ug/L		97	70 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		72 - 124
Dibromofluoromethane (Surr)	95		75 - 120
1,2-Dichloroethane-d4 (Surr)	95		75 - 126
Toluene-d8 (Surr)	108		75 - 120

Lab Sample ID: 500-237073-1 MS
 Matrix: Water
 Analysis Batch: 725883

Client Sample ID: MW-217
 Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.15		50.0	42.5		ug/L		85	70 - 120

Euofins Chicago

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237073-1

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

Lab Sample ID: 500-237073-1 MS
 Matrix: Water
 Analysis Batch: 725883

Client Sample ID: MW-217
 Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Bromobenzene	<0.36		50.0	49.3		ug/L		99	70 - 122
Bromochloromethane	<0.43		50.0	40.3		ug/L		81	65 - 122
Bromodichloromethane	<0.37		50.0	43.8		ug/L		88	69 - 120
Bromoform	<0.48		50.0	41.4		ug/L		83	56 - 132
Bromomethane	<0.80		50.0	47.0		ug/L		94	40 - 152
Carbon tetrachloride	<0.38		50.0	46.1		ug/L		92	59 - 133
Chlorobenzene	<0.39		50.0	46.5		ug/L		93	70 - 120
Chloroethane	<0.51		50.0	38.2		ug/L		76	48 - 136
Chloroform	<0.37		50.0	41.0		ug/L		82	70 - 120
Chloromethane	<0.32		50.0	31.9		ug/L		64	56 - 152
2-Chlorotoluene	<0.31		50.0	45.5		ug/L		91	70 - 125
4-Chlorotoluene	<0.35		50.0	46.2		ug/L		92	68 - 124
cis-1,2-Dichloroethene	<0.41		50.0	42.0		ug/L		84	70 - 125
cis-1,3-Dichloropropene	<0.42		50.0	50.1		ug/L		100	64 - 127
Dibromochloromethane	<0.49		50.0	47.7		ug/L		95	68 - 125
1,2-Dibromo-3-Chloropropane	<2.0		50.0	40.3		ug/L		81	56 - 123
1,2-Dibromoethane	<0.39		50.0	50.0		ug/L		100	70 - 125
Dibromomethane	<0.27		50.0	46.0		ug/L		92	70 - 120
1,2-Dichlorobenzene	<0.33		50.0	46.0		ug/L		92	70 - 125
1,3-Dichlorobenzene	<0.40		50.0	44.8		ug/L		90	70 - 125
1,4-Dichlorobenzene	<0.36		50.0	44.8		ug/L		90	70 - 120
Dichlorodifluoromethane	<0.67		50.0	34.5		ug/L		69	40 - 159
1,1-Dichloroethane	<0.41		50.0	43.8		ug/L		88	70 - 125
1,2-Dichloroethane	<0.39		50.0	47.7		ug/L		95	68 - 127
1,1-Dichloroethene	<0.39		50.0	42.4		ug/L		85	67 - 122
1,2-Dichloropropane	<0.43		50.0	47.0		ug/L		94	67 - 130
1,3-Dichloropropane	<0.36		50.0	53.3		ug/L		107	62 - 136
2,2-Dichloropropane	<0.44		50.0	41.2		ug/L		82	58 - 139
1,1-Dichloropropene	<0.30		50.0	45.5		ug/L		91	70 - 121
Ethylbenzene	<0.18		50.0	43.5		ug/L		87	70 - 123
Hexachlorobutadiene	<0.45		50.0	48.3		ug/L		97	51 - 150
Isopropylbenzene	<0.39		50.0	47.5		ug/L		95	70 - 126
Methylene Chloride	<1.6		50.0	41.7		ug/L		83	69 - 125
Methyl tert-butyl ether	<0.39		50.0	42.2		ug/L		84	55 - 123
Naphthalene	<0.34		50.0	40.6		ug/L		81	53 - 144
n-Butylbenzene	<0.39		50.0	41.6		ug/L		83	68 - 125
N-Propylbenzene	<0.41		50.0	47.1		ug/L		94	69 - 127
p-Isopropyltoluene	<0.36		50.0	44.0		ug/L		88	70 - 125
sec-Butylbenzene	<0.40		50.0	45.1		ug/L		90	70 - 123
Styrene	<0.39		50.0	43.4		ug/L		87	70 - 120
tert-Butylbenzene	<0.40		50.0	46.1		ug/L		92	70 - 121
1,1,1,2-Tetrachloroethane	<0.46		50.0	45.6		ug/L		91	70 - 125
1,1,1,2,2-Tetrachloroethane	<0.40		50.0	47.6		ug/L		95	62 - 140
Tetrachloroethene	<0.37		50.0	51.8		ug/L		104	70 - 128
Toluene	<0.15		50.0	46.7		ug/L		93	70 - 125
trans-1,2-Dichloroethene	<0.35		50.0	41.9		ug/L		84	70 - 125
trans-1,3-Dichloropropene	<0.36		50.0	46.8		ug/L		94	62 - 128
1,2,3-Trichlorobenzene	<0.46		50.0	44.2		ug/L		88	51 - 145
1,2,4-Trichlorobenzene	<0.34		50.0	43.4		ug/L		87	57 - 137

Eurofins Chicago

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237073-1

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

Lab Sample ID: 500-237073-1 MS
Matrix: Water
Analysis Batch: 725883

Client Sample ID: MW-217
Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec
	Result	Qualifier	Added	Result	Qualifier				
1,1,1-Trichloroethane	<0.38		50.0	43.1		ug/L		86	70 - 125
1,1,2-Trichloroethane	<0.35		50.0	48.6		ug/L		97	71 - 130
Trichloroethene	<0.16		50.0	44.9		ug/L		90	70 - 125
Trichlorofluoromethane	<0.43		50.0	39.5		ug/L		79	55 - 128
1,2,3-Trichloropropane	<0.41		50.0	47.7		ug/L		95	50 - 133
1,2,4-Trimethylbenzene	<0.36		50.0	44.2		ug/L		88	70 - 123
1,3,5-Trimethylbenzene	<0.25		50.0	45.2		ug/L		90	70 - 123
Vinyl chloride	<0.20		50.0	34.8		ug/L		70	64 - 126
Xylenes, Total	<0.22		100	84.7		ug/L		85	70 - 125
MS MS									
Surrogate	%Recovery	Qualifier	Limits						
4-Bromofluorobenzene (Surr)	109		72 - 124						
Dibromofluoromethane (Surr)	98		75 - 120						
1,2-Dichloroethane-d4 (Surr)	100		75 - 126						
Toluene-d8 (Surr)	109		75 - 120						

Lab Sample ID: 500-237073-1 MSD
Matrix: Water
Analysis Batch: 725883

Client Sample ID: MW-217
Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier						
Benzene	<0.15		50.0	44.8		ug/L		90	70 - 120	5	20
Bromobenzene	<0.36		50.0	57.0		ug/L		114	70 - 122	14	20
Bromochloromethane	<0.43		50.0	43.2		ug/L		86	65 - 122	7	20
Bromodichloromethane	<0.37		50.0	48.3		ug/L		97	69 - 120	10	20
Bromoform	<0.48		50.0	43.6		ug/L		87	56 - 132	5	20
Bromomethane	<0.80		50.0	45.5		ug/L		91	40 - 152	3	20
Carbon tetrachloride	<0.38		50.0	46.9		ug/L		94	59 - 133	2	20
Chlorobenzene	<0.39		50.0	50.0		ug/L		100	70 - 120	7	20
Chloroethane	<0.51		50.0	37.5		ug/L		75	48 - 136	2	20
Chloroform	<0.37		50.0	42.7		ug/L		85	70 - 120	4	20
Chloromethane	<0.32		50.0	31.6		ug/L		63	56 - 152	1	20
2-Chlorotoluene	<0.31		50.0	52.2		ug/L		104	70 - 125	14	20
4-Chlorotoluene	<0.35		50.0	52.7		ug/L		105	68 - 124	13	20
cis-1,2-Dichloroethene	<0.41		50.0	43.5		ug/L		87	70 - 125	4	20
cis-1,3-Dichloropropene	<0.42		50.0	56.5		ug/L		113	64 - 127	12	20
Dibromochloromethane	<0.49		50.0	52.4		ug/L		105	68 - 125	9	20
1,2-Dibromo-3-Chloropropane	<2.0		50.0	44.1		ug/L		88	56 - 123	9	20
1,2-Dibromoethane	<0.39		50.0	54.1		ug/L		108	70 - 125	8	20
Dibromomethane	<0.27		50.0	50.7		ug/L		101	70 - 120	10	20
1,2-Dichlorobenzene	<0.33		50.0	49.5		ug/L		99	70 - 125	7	20
1,3-Dichlorobenzene	<0.40		50.0	50.1		ug/L		100	70 - 125	11	20
1,4-Dichlorobenzene	<0.36		50.0	49.3		ug/L		99	70 - 120	10	20
Dichlorodifluoromethane	<0.67		50.0	34.9		ug/L		70	40 - 159	1	20
1,1-Dichloroethane	<0.41		50.0	45.4		ug/L		91	70 - 125	4	20
1,2-Dichloroethane	<0.39		50.0	52.7		ug/L		105	68 - 127	10	20
1,1-Dichloroethene	<0.39		50.0	39.4		ug/L		79	67 - 122	7	20
1,2-Dichloropropane	<0.43		50.0	50.6		ug/L		101	67 - 130	7	20

Eurofins Chicago

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237073-1

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

Lab Sample ID: 500-237073-1 MSD

Client Sample ID: MW-217

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 725883

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,3-Dichloropropane	<0.36		50.0	57.5		ug/L		115	62 - 136	8	20
2,2-Dichloropropane	<0.44		50.0	40.8		ug/L		82	58 - 139	1	20
1,1-Dichloropropene	<0.30		50.0	50.7		ug/L		101	70 - 121	11	20
Ethylbenzene	<0.18		50.0	46.1		ug/L		92	70 - 123	6	20
Hexachlorobutadiene	<0.45		50.0	54.7		ug/L		109	51 - 150	12	20
Isopropylbenzene	<0.39		50.0	55.1		ug/L		110	70 - 126	15	20
Methylene Chloride	<1.6		50.0	41.4		ug/L		83	69 - 125	1	20
Methyl tert-butyl ether	<0.39		50.0	41.8		ug/L		84	55 - 123	1	20
Naphthalene	<0.34		50.0	45.2		ug/L		90	53 - 144	11	20
n-Butylbenzene	<0.39		50.0	46.0		ug/L		92	68 - 125	10	20
N-Propylbenzene	<0.41		50.0	53.8		ug/L		108	69 - 127	13	20
p-Isopropyltoluene	<0.36		50.0	49.6		ug/L		99	70 - 125	12	20
sec-Butylbenzene	<0.40		50.0	51.8		ug/L		104	70 - 123	14	20
Styrene	<0.39		50.0	45.3		ug/L		91	70 - 120	4	20
tert-Butylbenzene	<0.40		50.0	53.0		ug/L		106	70 - 121	14	20
1,1,1,2-Tetrachloroethane	<0.46		50.0	49.9		ug/L		100	70 - 125	9	20
1,1,2,2-Tetrachloroethane	<0.40		50.0	53.1		ug/L		106	62 - 140	11	20
Tetrachloroethene	<0.37		50.0	56.9		ug/L		114	70 - 128	9	20
Toluene	<0.15		50.0	51.5		ug/L		103	70 - 125	10	20
trans-1,2-Dichloroethene	<0.35		50.0	42.3		ug/L		85	70 - 125	1	20
trans-1,3-Dichloropropene	<0.36		50.0	51.5		ug/L		103	62 - 128	10	20
1,2,3-Trichlorobenzene	<0.46		50.0	50.5		ug/L		101	51 - 145	13	20
1,2,4-Trichlorobenzene	<0.34		50.0	46.4		ug/L		93	57 - 137	7	20
1,1,1-Trichloroethane	<0.38		50.0	43.5		ug/L		87	70 - 125	1	20
1,1,2-Trichloroethane	<0.35		50.0	55.3		ug/L		111	71 - 130	13	20
Trichloroethene	<0.16		50.0	48.2		ug/L		96	70 - 125	7	20
Trichlorofluoromethane	<0.43		50.0	39.8		ug/L		80	55 - 128	1	20
1,2,3-Trichloropropane	<0.41		50.0	54.9		ug/L		110	50 - 133	14	20
1,2,4-Trimethylbenzene	<0.36		50.0	49.3		ug/L		99	70 - 123	11	20
1,3,5-Trimethylbenzene	<0.25		50.0	51.1		ug/L		102	70 - 123	12	20
Vinyl chloride	<0.20		50.0	34.8		ug/L		70	64 - 126	0	20
Xylenes, Total	<0.22		100	89.9		ug/L		90	70 - 125	6	20

Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits
4-Bromofluorobenzene (Surr)	113		72 - 124
Dibromofluoromethane (Surr)	95		75 - 120
1,2-Dichloroethane-d4 (Surr)	102		75 - 126
Toluene-d8 (Surr)	112		75 - 120

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-695760/1-A

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 696784

Prep Batch: 695760

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.4		5.0	2.4	ng/L		08/03/23 04:27	08/07/23 18:09	1
Perfluoropentanoic acid (PFPeA)	<0.49		2.0	0.49	ng/L		08/03/23 04:27	08/07/23 18:09	1
Perfluorohexanoic acid (PFHxA)	<0.58		2.0	0.58	ng/L		08/03/23 04:27	08/07/23 18:09	1

Eurofins Chicago

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237073-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: MB 320-695760/1-A
Matrix: Water
Analysis Batch: 696784

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 695760

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		08/03/23 04:27	08/07/23 18:09	1
Perfluorooctanoic acid (PFOA)	<0.85		2.0	0.85	ng/L		08/03/23 04:27	08/07/23 18:09	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		08/03/23 04:27	08/07/23 18:09	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		08/03/23 04:27	08/07/23 18:09	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		08/03/23 04:27	08/07/23 18:09	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		08/03/23 04:27	08/07/23 18:09	1
Perfluorotridecanoic acid (PFTriA)	<1.3		2.0	1.3	ng/L		08/03/23 04:27	08/07/23 18:09	1
Perfluorotetradecanoic acid (PFTeA)	<0.73		2.0	0.73	ng/L		08/03/23 04:27	08/07/23 18:09	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		08/03/23 04:27	08/07/23 18:09	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		08/03/23 04:27	08/07/23 18:09	1
Perfluorohexanesulfonic acid (PFHxS)	<0.57		2.0	0.57	ng/L		08/03/23 04:27	08/07/23 18:09	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		08/03/23 04:27	08/07/23 18:09	1
Perfluorooctanesulfonic acid (PFOS)	<0.54		2.0	0.54	ng/L		08/03/23 04:27	08/07/23 18:09	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		08/03/23 04:27	08/07/23 18:09	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		08/03/23 04:27	08/07/23 18:09	1
Perfluorododecanesulfonic acid (PFDoS)	<0.97		2.0	0.97	ng/L		08/03/23 04:27	08/07/23 18:09	1
Perfluorooctanesulfonamide (FOSA)	<0.98		2.0	0.98	ng/L		08/03/23 04:27	08/07/23 18:09	1
NEtFOSA	<0.87		2.0	0.87	ng/L		08/03/23 04:27	08/07/23 18:09	1
NMeFOSA	<0.43		2.0	0.43	ng/L		08/03/23 04:27	08/07/23 18:09	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<1.2		5.0	1.2	ng/L		08/03/23 04:27	08/07/23 18:09	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<1.3		5.0	1.3	ng/L		08/03/23 04:27	08/07/23 18:09	1
NMeFOSE	<1.4		4.0	1.4	ng/L		08/03/23 04:27	08/07/23 18:09	1
NEtFOSE	<0.85		2.0	0.85	ng/L		08/03/23 04:27	08/07/23 18:09	1
4:2 FTS	<0.24		2.0	0.24	ng/L		08/03/23 04:27	08/07/23 18:09	1
6:2 FTS	<2.5		5.0	2.5	ng/L		08/03/23 04:27	08/07/23 18:09	1
8:2 FTS	<0.46		2.0	0.46	ng/L		08/03/23 04:27	08/07/23 18:09	1
DONA	<0.40		2.0	0.40	ng/L		08/03/23 04:27	08/07/23 18:09	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		08/03/23 04:27	08/07/23 18:09	1
F-53B Major	<0.24		2.0	0.24	ng/L		08/03/23 04:27	08/07/23 18:09	1
F-53B Minor	<0.32		2.0	0.32	ng/L		08/03/23 04:27	08/07/23 18:09	1
Isotope Dilution	MB	MB	Limits	Prepared	Analyzed	Dil Fac			
	%Recovery	Qualifier							
13C4 PFBA	105		25 - 150	08/03/23 04:27	08/07/23 18:09	1			
13C5 PFPeA	103		25 - 150	08/03/23 04:27	08/07/23 18:09	1			
13C2 PFHxA	103		25 - 150	08/03/23 04:27	08/07/23 18:09	1			
13C4 PFHpA	115		25 - 150	08/03/23 04:27	08/07/23 18:09	1			
13C4 PFOA	106		25 - 150	08/03/23 04:27	08/07/23 18:09	1			
13C5 PFNA	116		25 - 150	08/03/23 04:27	08/07/23 18:09	1			
13C2 PFDA	119		25 - 150	08/03/23 04:27	08/07/23 18:09	1			
13C2 PFUnA	108		25 - 150	08/03/23 04:27	08/07/23 18:09	1			
13C2 PFDoA	114		25 - 150	08/03/23 04:27	08/07/23 18:09	1			
13C2 PFTeDA	110		25 - 150	08/03/23 04:27	08/07/23 18:09	1			
13C3 PFBS	107		25 - 150	08/03/23 04:27	08/07/23 18:09	1			
18O2 PFHxS	110		25 - 150	08/03/23 04:27	08/07/23 18:09	1			
13C4 PFOS	117		25 - 150	08/03/23 04:27	08/07/23 18:09	1			

Eurofins Chicago

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237073-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: MB 320-695760/1-A
Matrix: Water
Analysis Batch: 696784

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 695760

Isotope Dilution	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
¹³ C8 FOSA	129		10 - 150	08/03/23 04:27	08/07/23 18:09	1
d3-NMeFOSAA	144		25 - 150	08/03/23 04:27	08/07/23 18:09	1
d5-NEtFOSAA	142		25 - 150	08/03/23 04:27	08/07/23 18:09	1
d-N-MeFOSA-M	107		10 - 150	08/03/23 04:27	08/07/23 18:09	1
d-N-EtFOSA-M	110		10 - 150	08/03/23 04:27	08/07/23 18:09	1
d7-N-MeFOSE-M	114		10 - 150	08/03/23 04:27	08/07/23 18:09	1
d9-N-EtFOSE-M	122		10 - 150	08/03/23 04:27	08/07/23 18:09	1
M2-4:2 FTS	105		25 - 150	08/03/23 04:27	08/07/23 18:09	1
M2-6:2 FTS	99		25 - 150	08/03/23 04:27	08/07/23 18:09	1
M2-8:2 FTS	109		25 - 150	08/03/23 04:27	08/07/23 18:09	1
¹³ C3 HFPO-DA	105		25 - 150	08/03/23 04:27	08/07/23 18:09	1

Lab Sample ID: LCS 320-695760/2-A
Matrix: Water
Analysis Batch: 696077

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 695760

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec
							Limits
Perfluorobutanoic acid (PFBA)	40.0	37.7		ng/L		94	60 - 135
Perfluoropentanoic acid (PFPeA)	40.0	37.3		ng/L		93	60 - 135
Perfluorohexanoic acid (PFHxA)	40.0	39.2		ng/L		98	60 - 135
Perfluoroheptanoic acid (PFHpA)	40.0	38.0		ng/L		95	60 - 135
Perfluorooctanoic acid (PFOA)	40.0	37.9		ng/L		95	60 - 135
Perfluorononanoic acid (PFNA)	40.0	38.7		ng/L		97	60 - 135
Perfluorodecanoic acid (PFDA)	40.0	41.2		ng/L		103	60 - 135
Perfluoroundecanoic acid (PFUnA)	40.0	38.9		ng/L		97	60 - 135
Perfluorododecanoic acid (PFDoA)	40.0	44.1		ng/L		110	60 - 135
Perfluorotridecanoic acid (PFTriA)	40.0	41.2		ng/L		103	60 - 135
Perfluorotetradecanoic acid (PFTeA)	40.0	39.2		ng/L		98	60 - 135
Perfluorobutanesulfonic acid (PFBS)	35.5	35.1		ng/L		99	60 - 135
Perfluoropentanesulfonic acid (PFPeS)	37.6	37.4		ng/L		100	60 - 135
Perfluorohexanesulfonic acid (PFHxS)	36.5	36.6		ng/L		100	60 - 135
Perfluoroheptanesulfonic acid (PFHpS)	38.2	35.0		ng/L		92	60 - 135
Perfluorooctanesulfonic acid (PFOS)	37.2	37.2		ng/L		100	60 - 135
Perfluorononanesulfonic acid (PFNS)	38.5	38.4		ng/L		100	60 - 135
Perfluorodecanesulfonic acid (PFDS)	38.6	35.2		ng/L		91	60 - 135
Perfluorododecanesulfonic acid (PFDoS)	38.8	37.7		ng/L		97	60 - 135
Perfluorooctanesulfonamide (FOSA)	40.0	36.5		ng/L		91	60 - 135
NEtFOSA	40.0	36.6		ng/L		92	60 - 135
NMeFOSA	40.0	39.2		ng/L		98	60 - 135

Eurofins Chicago

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237073-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-695760/2-A
Matrix: Water
Analysis Batch: 696077

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 695760

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
N-methylperfluorooctanesulfona midoacetic acid (NMeFOSAA)	40.0	38.8		ng/L		97	60 - 135
N-ethylperfluorooctanesulfonami doacetic acid (NEtFOSAA)	40.0	38.1		ng/L		95	60 - 135
NMeFOSE	40.0	37.4		ng/L		93	60 - 135
NEtFOSE	40.0	36.3		ng/L		91	60 - 135
4:2 FTS	37.5	36.1		ng/L		96	60 - 135
6:2 FTS	38.1	35.0		ng/L		92	60 - 135
8:2 FTS	38.4	38.2		ng/L		99	60 - 135
DONA	37.8	36.5		ng/L		97	60 - 135
HFPO-DA (GenX)	40.0	40.1		ng/L		100	60 - 135
F-53B Major	37.4	37.4		ng/L		100	60 - 135
F-53B Minor	37.8	40.0		ng/L		106	60 - 135

Isotope Dilution	LCS LCS		Limits
	%Recovery	Qualifier	
13C4 PFBA	93		25 - 150
13C5 PFPeA	94		25 - 150
13C2 PFHxA	94		25 - 150
13C4 PFHpA	101		25 - 150
13C4 PFOA	98		25 - 150
13C5 PFNA	93		25 - 150
13C2 PFDA	94		25 - 150
13C2 PFUnA	99		25 - 150
13C2 PFDoA	92		25 - 150
13C2 PFTeDA	96		25 - 150
13C3 PFBS	97		25 - 150
18O2 PFHxS	92		25 - 150
13C4 PFOS	98		25 - 150
13C8 FOSA	104		10 - 150
d3-NMeFOSAA	108		25 - 150
d5-NEtFOSAA	95		25 - 150
d-N-MeFOSA-M	80		10 - 150
d-N-EtFOSA-M	86		10 - 150
d7-N-MeFOSE-M	95		10 - 150
d9-N-EtFOSE-M	93		10 - 150
M2-4:2 FTS	101		25 - 150
M2-6:2 FTS	99		25 - 150
M2-8:2 FTS	88		25 - 150
13C3 HFPO-DA	92		25 - 150

Lab Chronicle

Client: Ramboll US Corporation
Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237073-1

Client Sample ID: MW-217

Date Collected: 07/20/23 12:51

Date Received: 07/22/23 09:50

Lab Sample ID: 500-237073-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	725883	EA	EET CHI	08/02/23 03:24
Total/NA	Prep	3535			695760	RLT	EET SAC	08/03/23 04:27
Total/NA	Analysis	537 (modified)		1	696077	K1S	EET SAC	08/03/23 17:31

Client Sample ID: MW-218

Date Collected: 07/20/23 10:33

Date Received: 07/22/23 09:50

Lab Sample ID: 500-237073-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3535			695760	RLT	EET SAC	08/03/23 04:27
Total/NA	Analysis	537 (modified)		1	696077	K1S	EET SAC	08/03/23 17:41

Client Sample ID: MW-217 Dup

Date Collected: 07/20/23 12:54

Date Received: 07/22/23 09:50

Lab Sample ID: 500-237073-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	725883	EA	EET CHI	08/02/23 03:49
Total/NA	Prep	3535			695760	RLT	EET SAC	08/03/23 04:27
Total/NA	Analysis	537 (modified)		1	696077	K1S	EET SAC	08/03/23 17:51

Laboratory References:

EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

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

Accreditation/Certification Summary

Client: Ramboll US Corporation
Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237073-1

Laboratory: Eurofins Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	999580010	08-31-23

Laboratory: Eurofins Sacramento

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	998204680	08-31-23

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17

ORIGIN ID:RRLA (262) 2
IAN EVANS
EUROFINS TESTAMERICA
4125 N 124TH ST.
SUITE F (REAR)
BROOKFIELD, WI 53005
UNITED STATES US

DATE: 21JUL23
WT: 51.45 LB
REF: 69688/CAFE3709

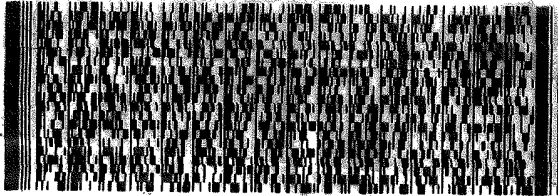
TO **SAMPLE RECEIPT**
EUROFINS
2417 BOND ST.

UNIVERSITY PARK IL 60484

(262) 202-6965
YNU:
PU:

REF:

DEPT:



FedEx
Express



12310221102010

2 of 2

MPS# 6578 9771 0570
0263

Mstr# 6578 9771 0560

0201

SATURDAY 12:00P
PRIORITY OVERNIGHT

XO JOTA

60484
IL US ORD



500-237073 Waybi

1897

3434 MTA

EXP 03/24

5837/CAF/PLAS

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17

Login Sample Receipt Checklist

Client: Ramboll US Corporation

Job Number: 500-237073-1

Login Number: 237073

List Number: 1

Creator: Hernandez, Stephanie

List Source: Eurofins Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.0
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Ramboll US Corporation

Job Number: 500-237073-1

Login Number: 237073

List Number: 2

Creator: Fisher, Jamyiah L

List Source: Eurofins Sacramento

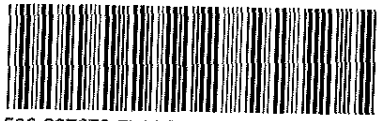
List Creation: 07/24/23 11:01 AM

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	2330336
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.1
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



Environment Testing
TestAmerica

Sacramento
Sample Receiving Notes



500-237073 Field Sheet

Tracking # 6578-9771-0559

Job _____

SO / PO / FO / ~~SAT~~ / 2-Day / Ground / UPS / CDO / Courier
GSO / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal Cooler Custody Seal, Temperature & corrected Temperature & other observations.
File in the job folder with the COC.

Therm ID L-09 Corr Factor (+/-) 0 °C

Ice Wet Gel _____ Other _____

Cooler Custody Seal: 2330336

Cooler ID: 2052

Temp Observed: 21 °C Corrected 21 °C
From Temp Blank Sample

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cooler Temperature is acceptable?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Frozen samples show signs of thaw?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Initials JL Date 7/22/23

Unpacking/Labeling The Samples	Yes	No	NA
COC is complete w/o discrepancies?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Samples compromised/tampered with?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Containers are not broken or leaking?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample custody seal?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Sample containers have legible labels?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample date/times are provided?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Appropriate containers are used?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample bottles are completely filled?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample preservatives verified?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Is the Field Sampler's name on COC?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Samples require splitting/compositing?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Samples w/o discrepancies?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Zero headspace?*	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Alkalinity has no headspace?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Perchlorate has headspace? (Methods 314 331 6850)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Multiphasic samples are not present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials JF Date: 7/24/23

Notes _____

Trizma Lot #(s) _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Samples received within hold time?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
NCM Filed?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Log Release checked in TALS?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Initials JF Date: 7/24/23

Isotope Dilution Summary

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237073-1

Method: 537 (modified) - Fluorinated Alkyl Substances

Matrix: Water

Prep Type: Total/NA

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	PFBA (25-150)	PFPeA (25-150)	PFHxA (25-150)	C4PFHA (25-150)	PFOA (25-150)	PFNA (25-150)	PFDA (25-150)	PFUnA (25-150)
500-237073-1	MW-217	86	91	89	103	93	94	93	83
500-237073-2	MW-218	82	83	78	90	84	84	84	79
500-237073-3	MW-217 Dup	91	97	93	109	97	99	96	90
LCS 320-695760/2-A	Lab Control Sample	93	94	94	101	98	93	94	99
MB 320-695760/1-A	Method Blank	105	103	103	115	106	116	119	108

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	PFDaA (25-150)	PFTDA (25-150)	C3PFBS (25-150)	PFHxS (25-150)	PFOS (25-150)	PFOSA (10-150)	d3NMFOS (25-150)	d5NEFOS (25-150)
500-237073-1	MW-217	79	76	100	101	93	99	85	92
500-237073-2	MW-218	76	61	90	87	86	92	86	80
500-237073-3	MW-217 Dup	87	79	106	109	98	106	90	90
LCS 320-695760/2-A	Lab Control Sample	92	96	97	92	98	104	108	95
MB 320-695760/1-A	Method Blank	114	110	107	110	117	129	144	142

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	dMeFOSA (10-150)	dEtFOSA (10-150)	NMFM (10-150)	NEFM (10-150)	M242FTS (25-150)	M262FTS (25-150)	M282FTS (25-150)	HFPODA (25-150)
500-237073-1	MW-217	77	80	82	82	79	102	80	96
500-237073-2	MW-218	64	67	67	68	78	90	75	82
500-237073-3	MW-217 Dup	79	86	84	83	84	100	90	100
LCS 320-695760/2-A	Lab Control Sample	80	86	95	93	101	99	88	92
MB 320-695760/1-A	Method Blank	107	110	114	122	105	99	109	105

Surrogate Legend

- PFBA = 13C4 PFBA
- PFPeA = 13C5 PFPeA
- PFHxA = 13C2 PFHxA
- C4PFHA = 13C4 PFHpA
- PFOA = 13C4 PFOA
- PFNA = 13C5 PFNA
- PFDA = 13C2 PFDA
- PFUnA = 13C2 PFUnA
- PFDaA = 13C2 PFDaA
- PFTDA = 13C2 PFTeDA
- C3PFBS = 13C3 PFBS
- PFHxS = 18O2 PFHxS
- PFOS = 13C4 PFOS
- PFOSA = 13C8 FOSA
- d3NMFOS = d3-NMeFOSAA
- d5NEFOS = d5-NEtFOSAA
- dMeFOSA = d-N-MeFOSA-M
- dEtFOSA = d-N-EtFOSA-M
- NMFM = d7-N-MeFOSE-M
- NEFM = d9-N-EtFOSE-M
- M242FTS = M2-4:2 FTS
- M262FTS = M2-6:2 FTS
- M282FTS = M2-8:2 FTS
- HFPODA = 13C3 HFPO-DA



ANALYTICAL REPORT

PREPARED FOR

Attn: Paul Lindquist
Ramboll US Corporation
234 W. Florida Street
Fifth Floor
Milwaukee, Wisconsin 53204

Generated 8/29/2023 9:02:12 AM Revision 1

JOB DESCRIPTION

Former Mirro Plant No 9 - 1690019647

JOB NUMBER

500-237064-1

Eurofins Chicago

Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of Eurofins Environment Testing North Central, LLC and its client. All questions regarding this report should be directed to the Eurofins Environment Testing North Central, LLC Project Manager who has signed this report.

Results relate only to the items tested and the sample(s) as received by the laboratory. The results, detection limits (LOD) and Quantitation Limits (LOQ) have been adjusted for sample dilutions and/or solids content.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Chicago Project Manager.

Authorization



Generated
8/29/2023 9:02:12 AM
Revision 1

Authorized for release by
Sandie Fredrick, Project Manager II
Sandra.Fredrick@et.eurofinsus.com
(920)261-1660

Table of Contents

Cover Page	1
Table of Contents	3
Case Narrative	4
Detection Summary	7
Method Summary	16
Sample Summary	17
Client Sample Results	18
Definitions	125
QC Association	126
Surrogate Summary	130
QC Sample Results	131
Chronicle	167
Certification Summary	176
Chain of Custody	177
Receipt Checklists	188
Field Data Sheets	190
Isotope Dilution Summary	192



Case Narrative

Client: Ramboll US Corporation
Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Job ID: 500-237064-1

Laboratory: Eurofins Chicago

Narrative

Job Narrative 500-237064-1

Revision

The report being provided is a revision of the original report sent on 8/23/2023. The report (revision 1) is being revised due to: Revised report to correct sample ID and add missing sample times.

Receipt

The samples were received on 7/22/2023 9:50 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 3.0° C and 4.1° C.

GC/MS VOA

Method 8260B: Reanalysis of the following sample was performed outside of the analytical holding time : MW-209 (500-237064-37).

Method 8260B: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-213 (500-237064-6), MW-213 DUP (500-237064-7), MW-5 (500-237064-18), MW-15 (500-237064-22) and MW-121 (500-237064-34). Elevated reporting limits (RLs) are provided.

Method 8260B: Methylene chloride was detected in the following items: EB-06 (500-237064-46). Methylene chloride is a known lab contaminant; therefore all low level detects for this compound could be suspected as lab contamination.

Method 8260B: The method blank for analytical batch 500-725914 contained Toluene above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.(MB 500-725914/6)

Method 8260B: The following sample was analyzed past hold for Naphtalene due to sample carryover. MW-209 (500-237064-37)

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

LCMS

Method 537 (modified): The "I" qualifier means the transition mass ratio for the indicated analyte was above the established ratio limits. The qualitative identification of the analyte has some degree of uncertainty, and the reported value may have some high bias. However, analyst judgment was used to positively identify the analyte. MW-201 (500-237064-1) and AMEC_MW-14 (500-237064-29)

Method 537 (modified): The "I" qualifier means the transition mass ratio for the indicated analyte was above the established ratio limits. The qualitative identification of the analyte has some degree of uncertainty, and the reported value may have some high bias. However, analyst judgment was used to positively identify the analyte. MW-209 (500-237064-37) and MW-236 (500-237064-43)

Method 537 (modified): Isotope Dilution Analyte (IDA) recovery is above the method recommended limit for the following samples: MW-9 (500-237064-24) and MW-9 DUP (500-237064-25). Quantitation by isotope dilution generally precludes any adverse effect on data quality due to elevated IDA recoveries.

Method 537 (modified): Results for samples MW-48 (500-237064-16) and AMEC_MW-16 (500-237064-31) were reported from the analysis of a diluted extract due to high concentration of the target analyte in the analysis of the undiluted extract. The dilution factor was applied to the labeled internal standard area counts and these area counts were within acceptance limits

Method 537 (modified): Isotope Dilution Analyte (IDA) recovery is above the method recommended limit for the following samples: MW-12 (500-237064-23), (500-237064-A-23-B MS) and (500-237064-A-23-C MSD). Quantitation by isotope dilution generally precludes any adverse effect on data quality due to elevated IDA recoveries. The IDA were also above control limit in the 1x run.

Method 537 (modified): The Isotope Dilution Analyte (IDA) recovery associated with the following sample is below the method recommended limit: (500-237064-A-23-C MSD). Generally, data quality is not considered affected if the IDA signal-to-noise ratio is greater than 10:1, which is achieved for all IDA in the sample.

Method 537 (modified): Isotope Dilution Analyte (IDA) recovery is above the method recommended limit for the following samples: MW-12

Case Narrative

Client: Ramboll US Corporation
Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Job ID: 500-237064-1 (Continued)

Laboratory: Eurofins Chicago (Continued)

(500-237064-23), (500-237064-A-23-B MS) and (500-237064-A-23-C MSD). Quantitation by isotope dilution generally precludes any adverse effect on data quality due to elevated IDA recoveries.

Method 537 (modified): Results for samples MW-12 (500-237064-23), (500-237064-A-23-B MS) and (500-237064-A-23-C MSD) were reported from the analysis of a diluted extract due to high concentration of the target analyte in the analysis of the undiluted extract. The dilution factor was applied to the labeled internal standard area counts and these area counts were within acceptance limits

Method 537 (modified): The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 320-693847 and analytical batch 320-695039 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 537 (modified): The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 320-693847 and analytical batch 320-695039 was outside control limits. Sample matrix interference is suspected.

Method 537 (modified): The "I" qualifier means the transition mass ratio for the indicated analyte was above the established ratio limits. The qualitative identification of the analyte has some degree of uncertainty, and the reported value may have some high bias. However, analyst judgment was used to positively identify the analyte. (500-237064-A-23-B MS) and (500-237064-A-23-C MSD)

Method 537 (modified): Due to the high concentration of Perfluorobutanoic acid (PFBA) and Perfluorooctanoic acid (PFOA), the matrix spike / matrix spike duplicate (MS/MSD) for preparation batch 320-693847 and analytical batch 320-695039 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

Method 537 (modified): Isotope Dilution Analyte (IDA) recovery is above the method recommended limit for the following sample: MW-9 (500-237064-24). Quantitation by isotope dilution generally precludes any adverse effect on data quality due to elevated IDA recoveries.

Method 537 (modified): The Isotope Dilution Analyte (IDA) recovery associated with the following sample is below the method recommended limit: MW-236 (500-237064-43). Generally, data quality is not considered affected if the IDA signal-to-noise ratio is greater than 10:1, which is achieved for all IDA in the sample.

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

Organic Prep

Method 3535: The following samples in preparation batch 320-693847 were orange in color prior to extraction: MW-213 (500-237064-6) and MW-213 DUP (500-237064-7).

Method: 3535_PFC_28D

Matrix: Aqueous

Method 3535: The following samples in preparation batch 320-693847 were observed to have a thin layer of sediment present in the bottom of the bottle prior to extraction: MW-48 (500-237064-16), AMEC_MW-15 (500-237064-30) and AMEC_MW-16A (500-237064-32).

Method: 3535_PFC_28D

Matrix: Aqueous

Method 3535: The following sample contained sediment and was centrifuged at 4000RPM for 10 minutes and decanted prior to preparation: AMEC_MW-14 (500-237064-29).

Method: 3535_PFC_28D

Matrix: Aqueous

preparation batch 320-693847

Method 3535: Due to the matrix (brown and foamy), the initial volumes used for the following samples deviated from the standard procedure: MW-12 (500-237064-23), (500-237064-A-23 MS) and (500-237064-A-23 MSD). A 50x dilution was made on the samples, then they were fortified with IDA and extracted. The reporting limits (RLs) have been adjusted proportionately.

Method: 3535_PFC_28D

Matrix: Aqueous

preparation batch 320-693847

Case Narrative

Client: Ramboll US Corporation
Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Job ID: 500-237064-1 (Continued)

Laboratory: Eurofins Chicago (Continued)

Method 3535: The following samples in preparation batch 320-693849 were observed to have a thin layer of sediment present in the bottom of the bottle prior to extraction: MW-200 (500-237064-35) and MW-235 (500-237064-42).

Method: 3535_PFC_28D

Matrix: Aqueous

Method 3535: The following sample was centrifuged at 4000RPM for 10 minutes and decanted prior to preparation because it contained sediment and was orange in color: MW-236 (500-237064-43).

Method: 3535_PFC_28D

Matrix: Aqueous

Method 3535: Due to the matrix (sediment), the initial volume used for the following samples deviated from the standard procedure: MW-226 (500-237064-40), (500-237064-A-40 MS) and (500-237064-A-40 MSD). A 5x dilution was made on the samples, then fortified with IDA and extracted. The reporting limits (RLs) have been adjusted proportionately.

Method: 3535_PFC_28D

Matrix: Aqueous

preparation batch 320-693849

Method 3535: During the solid phase extraction process, the following samples contained non-settleable particulates which clogged the solid phase extraction column: MW-213 (500-237064-6) and MW-213 DUP (500-237064-7).

Method: 3535_PFC_28D

Matrix: Aqueous

preparation batch 320-693847

Method 3535: During the solid phase extraction process, the following sample contained non-settleable particulates which clogged the solid phase extraction column: preparation batch 320-693849 MW-235 (500-237064-42).

Method: 3535_PFC_28D

Matrix: Aqueous

Method 3535: The following samples in preparation batch 320-693847 were light yellow following concentration: MW-12 (500-237064-23), MW-9 (500-237064-24), MW-9 DUP (500-237064-25), (500-237064-A-23 MS) and (500-237064-A-23 MSD).

Method: 3535_PFC_28D

Matrix: Aqueous

Method 3535: Due to the matrix (brown and foamy), the initial volumes used for the following samples deviated from the standard procedure: MW-9 (500-237064-24) and MW-9 DUP (500-237064-25). A 25x dilution was made on the samples, then they were fortified with IDA and extracted. The reporting limits (RLs) have been adjusted proportionately.

Method: 3535_PFC_28D

Matrix: Aqueous

preparation batch 320-693847

Method 3535: The following samples in preparation batch 320-695760 were observed to have a thin layer of sediment present in the bottom of the bottle prior to extraction. AMEC_MW-14 (500-237064-29)

Method: 3535_PFC_28D

Matrix: Aqueous

Method 3535: Due to the potential for high analyte concentration, the initial volume used for the following sample deviated from the standard procedure: AMEC_MW-14 (500-237064-29). A 10x dilution was made on the sample, then fortified with IDA and extracted. The reporting limits (RLs) have been adjusted proportionately.

Method: 3535_PFC_28D

Matrix: Aqueous

preparation batch 320-695760

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

Detection Summary

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-201

Lab Sample ID: 500-237064-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	25		4.7	2.2	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	55		1.9	0.46	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	54		1.9	0.54	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	13		1.9	0.23	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	210		1.9	0.79	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	0.25	J	1.9	0.25	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	2.7		1.9	0.19	ng/L	1		537 (modified)	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	0.35	J	1.9	0.28	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	6.8		1.9	0.53	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	4.2	I	1.9	0.50	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MW-204

Lab Sample ID: 500-237064-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	12		4.6	2.2	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	7.7		1.9	0.45	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	15		1.9	0.54	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	8.9		1.9	0.23	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	92		1.9	0.79	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	0.65	J	1.9	0.25	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	0.43	J	1.9	0.29	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	2.4		1.9	0.19	ng/L	1		537 (modified)	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	1.4	J	1.9	0.28	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	82		1.9	0.53	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanesulfonic acid (PFHpS)	0.55	J	1.9	0.18	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	19		1.9	0.50	ng/L	1		537 (modified)	Total/NA

Client Sample ID: EB-01

Lab Sample ID: 500-237064-3

No Detections.

Client Sample ID: FB-01

Lab Sample ID: 500-237064-4

No Detections.

Client Sample ID: PZ-206

Lab Sample ID: 500-237064-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoropentanoic acid (PFPeA)	0.82	J	1.9	0.46	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	1.0	J	1.9	0.54	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.70	J	1.9	0.23	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	2.6		1.9	0.80	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MW-213

Lab Sample ID: 500-237064-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	74		0.50	0.18	ug/L	1		8260B	Total/NA
Isopropylbenzene	55		1.0	0.39	ug/L	1		8260B	Total/NA
Naphthalene	100		1.0	0.34	ug/L	1		8260B	Total/NA
N-Propylbenzene	74		1.0	0.41	ug/L	1		8260B	Total/NA
p-Isopropyltoluene	26		1.0	0.36	ug/L	1		8260B	Total/NA
sec-Butylbenzene	21		1.0	0.40	ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Euofins Chicago

Detection Summary

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-213 (Continued)

Lab Sample ID: 500-237064-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
tert-Butylbenzene	7.5		1.0	0.40	ug/L	1		8260B	Total/NA
Toluene	0.29	J	0.50	0.15	ug/L	1		8260B	Total/NA
Xylenes, Total	180		1.0	0.22	ug/L	1		8260B	Total/NA
1,2,4-Trimethylbenzene - DL	610		10	3.6	ug/L	10		8260B	Total/NA
1,3,5-Trimethylbenzene - DL	230		10	2.5	ug/L	10		8260B	Total/NA
Perfluoropentanoic acid (PFPeA)	4.2		1.9	0.46	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	11		1.9	0.55	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	22		1.9	0.24	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	350		1.9	0.81	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	0.32	J	1.9	0.26	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	1.2	J	1.9	0.19	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	1.7	J	1.9	0.54	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	3.5		1.9	0.51	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MW-213 DUP

Lab Sample ID: 500-237064-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	72		0.50	0.18	ug/L	1		8260B	Total/NA
Isopropylbenzene	57		1.0	0.39	ug/L	1		8260B	Total/NA
Naphthalene	96		1.0	0.34	ug/L	1		8260B	Total/NA
N-Propylbenzene	76		1.0	0.41	ug/L	1		8260B	Total/NA
p-Isopropyltoluene	27		1.0	0.36	ug/L	1		8260B	Total/NA
sec-Butylbenzene	21		1.0	0.40	ug/L	1		8260B	Total/NA
tert-Butylbenzene	7.7		1.0	0.40	ug/L	1		8260B	Total/NA
Xylenes, Total	180		1.0	0.22	ug/L	1		8260B	Total/NA
1,2,4-Trimethylbenzene - DL	590		10	3.6	ug/L	10		8260B	Total/NA
1,3,5-Trimethylbenzene - DL	220		10	2.5	ug/L	10		8260B	Total/NA
Perfluoropentanoic acid (PFPeA)	5.1		2.0	0.48	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	11		2.0	0.57	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	27		2.0	0.25	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	360		2.0	0.84	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	0.37	J	2.0	0.27	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	1.0	J	2.0	0.20	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	1.9	J	2.0	0.56	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	3.9		2.0	0.53	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MW-82

Lab Sample ID: 500-237064-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	0.98	J	1.0	0.34	ug/L	1		8260B	Total/NA
Trichloroethene	0.41	J	0.50	0.16	ug/L	1		8260B	Total/NA
1,2,4-Trimethylbenzene	0.52	J	1.0	0.36	ug/L	1		8260B	Total/NA

Client Sample ID: AECOM MW-19

Lab Sample ID: 500-237064-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	0.36	J	1.0	0.34	ug/L	1		8260B	Total/NA
Toluene	0.16	J	0.50	0.15	ug/L	1		8260B	Total/NA
Trichloroethene	0.84		0.50	0.16	ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Chicago

Detection Summary

Client: Ramboll US Corporation
Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: PZ-214

Lab Sample ID: 500-237064-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid (PFHxA)	1.2	J	1.9	0.55	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	2.3		1.9	0.24	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	43		1.9	0.81	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	0.37	J	1.9	0.26	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	0.37	J	1.9	0.29	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.61	J	1.9	0.51	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MW-17

Lab Sample ID: 500-237064-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	5.8		0.50	0.16	ug/L	1		8260B	Total/NA
1,2,4-Trimethylbenzene	0.64	J	1.0	0.36	ug/L	1		8260B	Total/NA
Xylenes, Total	0.25	J	1.0	0.22	ug/L	1		8260B	Total/NA

Client Sample ID: MW-37

Lab Sample ID: 500-237064-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichlorobenzene	4.5		1.0	0.33	ug/L	1		8260B	Total/NA
1,3-Dichlorobenzene	1.4		1.0	0.40	ug/L	1		8260B	Total/NA
1,2,3-Trichlorobenzene	21		1.0	0.46	ug/L	1		8260B	Total/NA
1,2,4-Trichlorobenzene	42		1.0	0.34	ug/L	1		8260B	Total/NA
Trichloroethene	11		0.50	0.16	ug/L	1		8260B	Total/NA

Client Sample ID: MW-19

Lab Sample ID: 500-237064-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trichlorobenzene	0.62	J	1.0	0.34	ug/L	1		8260B	Total/NA
Trichloroethene	6.1		0.50	0.16	ug/L	1		8260B	Total/NA

Client Sample ID: EB-03

Lab Sample ID: 500-237064-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.30	J	0.50	0.15	ug/L	1		8260B	Total/NA
1,2,4-Trimethylbenzene	0.46	J	1.0	0.36	ug/L	1		8260B	Total/NA

Client Sample ID: FB-03

Lab Sample ID: 500-237064-15

No Detections.

Client Sample ID: MW-48

Lab Sample ID: 500-237064-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	6.9		5.2	2.5	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	2.4		2.1	0.51	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	10		2.1	0.60	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	35		2.1	0.26	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	1.9	J	2.1	0.28	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	0.37	J	2.1	0.32	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	1.3	J	2.1	0.21	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	1.5	J	2.1	0.59	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	9.6		2.1	0.56	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA) - DL	970		21	8.8	ng/L	10		537 (modified)	Total/NA

This Detection Summary does not include radiochemical test results.

Euofins Chicago

Detection Summary

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-3

Lab Sample ID: 500-237064-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.56	J	1.0	0.41	ug/L	1		8260B	Total/NA
Trichloroethene	4.4		0.50	0.16	ug/L	1		8260B	Total/NA

Client Sample ID: MW-5

Lab Sample ID: 500-237064-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1.6		0.50	0.15	ug/L	1		8260B	Total/NA
2-Chlorotoluene	38		1.0	0.31	ug/L	1		8260B	Total/NA
Ethylbenzene	41		0.50	0.18	ug/L	1		8260B	Total/NA
Isopropylbenzene	75		1.0	0.39	ug/L	1		8260B	Total/NA
Naphthalene	160		1.0	0.34	ug/L	1		8260B	Total/NA
N-Propylbenzene	100		1.0	0.41	ug/L	1		8260B	Total/NA
p-Isopropyltoluene	20		1.0	0.36	ug/L	1		8260B	Total/NA
sec-Butylbenzene	16		1.0	0.40	ug/L	1		8260B	Total/NA
tert-Butylbenzene	3.0		1.0	0.40	ug/L	1		8260B	Total/NA
Toluene	0.66		0.50	0.15	ug/L	1		8260B	Total/NA
1,3,5-Trimethylbenzene	53		1.0	0.25	ug/L	1		8260B	Total/NA
1,2,4-Trimethylbenzene - DL	990		10	3.6	ug/L	10		8260B	Total/NA
Xylenes, Total - DL	480		10	2.2	ug/L	10		8260B	Total/NA

Client Sample ID: MW-8

Lab Sample ID: 500-237064-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	1.8		1.0	0.34	ug/L	1		8260B	Total/NA
Tetrachloroethene	1.1		1.0	0.37	ug/L	1		8260B	Total/NA
Trichloroethene	0.81		0.50	0.16	ug/L	1		8260B	Total/NA
1,2,4-Trimethylbenzene	1.0		1.0	0.36	ug/L	1		8260B	Total/NA
Xylenes, Total	0.49	J	1.0	0.22	ug/L	1		8260B	Total/NA

Client Sample ID: MW-31

Lab Sample ID: 500-237064-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	0.63	J	1.0	0.34	ug/L	1		8260B	Total/NA
Trichloroethene	1.6		0.50	0.16	ug/L	1		8260B	Total/NA
1,2,4-Trimethylbenzene	0.52	J	1.0	0.36	ug/L	1		8260B	Total/NA
Xylenes, Total	0.29	J	1.0	0.22	ug/L	1		8260B	Total/NA

Client Sample ID: MW-16

Lab Sample ID: 500-237064-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	0.41	J	1.0	0.34	ug/L	1		8260B	Total/NA
Trichloroethene	0.90		0.50	0.16	ug/L	1		8260B	Total/NA

Client Sample ID: MW-15

Lab Sample ID: 500-237064-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.73		0.50	0.15	ug/L	1		8260B	Total/NA
Ethylbenzene	53		0.50	0.18	ug/L	1		8260B	Total/NA
Isopropylbenzene	53		1.0	0.39	ug/L	1		8260B	Total/NA
N-Propylbenzene	72		1.0	0.41	ug/L	1		8260B	Total/NA
p-Isopropyltoluene	52		1.0	0.36	ug/L	1		8260B	Total/NA
sec-Butylbenzene	25		1.0	0.40	ug/L	1		8260B	Total/NA
tert-Butylbenzene	8.5		1.0	0.40	ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Chicago

Detection Summary

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-15 (Continued)

Lab Sample ID: 500-237064-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	1.0	B	0.50	0.15	ug/L	1		8260B	Total/NA
Naphthalene - DL	250		10	3.4	ug/L	10		8260B	Total/NA
1,2,4-Trimethylbenzene - DL	1600		10	3.6	ug/L	10		8260B	Total/NA
1,3,5-Trimethylbenzene - DL	320		10	2.5	ug/L	10		8260B	Total/NA
Xylenes, Total - DL	470		10	2.2	ug/L	10		8260B	Total/NA

Client Sample ID: MW-12

Lab Sample ID: 500-237064-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	10000	F2	1300	600	ng/L	5		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	290	J	500	63	ng/L	5		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	8400		500	210	ng/L	5		537 (modified)	Total/NA

Client Sample ID: MW-9

Lab Sample ID: 500-237064-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	1.7		1.0	0.34	ug/L	1		8260B	Total/NA
Toluene	0.47	J B	0.50	0.15	ug/L	1		8260B	Total/NA
Trichloroethene	9.5		0.50	0.16	ug/L	1		8260B	Total/NA
1,2,4-Trimethylbenzene	0.66	J	1.0	0.36	ug/L	1		8260B	Total/NA
Xylenes, Total	0.59	J	1.0	0.22	ug/L	1		8260B	Total/NA
Perfluoroheptanoic acid (PFHpA)	160		50	6.3	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	1700		50	21	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MW-9 DUP

Lab Sample ID: 500-237064-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.15	J	0.50	0.15	ug/L	1		8260B	Total/NA
Naphthalene	0.55	J	1.0	0.34	ug/L	1		8260B	Total/NA
Toluene	0.51	B	0.50	0.15	ug/L	1		8260B	Total/NA
Trichloroethene	9.4		0.50	0.16	ug/L	1		8260B	Total/NA
Xylenes, Total	0.36	J	1.0	0.22	ug/L	1		8260B	Total/NA
Perfluoroheptanoic acid (PFHpA)	130		50	6.3	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	1600		50	21	ng/L	1		537 (modified)	Total/NA

Client Sample ID: EB-05

Lab Sample ID: 500-237064-26

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.25	J B	0.50	0.15	ug/L	1		8260B	Total/NA

Client Sample ID: FB-05

Lab Sample ID: 500-237064-27

No Detections.

Client Sample ID: TRIP BLANK

Lab Sample ID: 500-237064-28

No Detections.

Client Sample ID: AMEC_MW-14

Lab Sample ID: 500-237064-29

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	9.5		4.6	2.2	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	12		1.8	0.45	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	11		1.8	0.53	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	5.2		1.8	0.23	ng/L	1		537 (modified)	Total/NA

This Detection Summary does not include radiochemical test results.

Euofins Chicago

Detection Summary

Client: Ramboll US Corporation
Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: AMEC_MW-14 (Continued)

Lab Sample ID: 500-237064-29

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorooctanoic acid (PFOA)	120		1.8	0.78	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	2.6		1.8	0.18	ng/L	1		537 (modified)	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	0.44	J I	1.8	0.28	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	4.2		1.8	0.52	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	4.7		1.8	0.50	ng/L	1		537 (modified)	Total/NA

Client Sample ID: AMEC_MW-15

Lab Sample ID: 500-237064-30

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	17		4.5	2.2	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	11		1.8	0.44	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	8.4		1.8	0.52	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	6.6		1.8	0.23	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	220		1.8	0.77	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	3.6		1.8	0.18	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	3.1		1.8	0.51	ng/L	1		537 (modified)	Total/NA

Client Sample ID: AMEC_MW-16

Lab Sample ID: 500-237064-31

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	7.2		4.5	2.2	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	2.2		1.8	0.44	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	9.2		1.8	0.52	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	29		1.8	0.23	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	0.55	J	1.8	0.24	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	1.0	J	1.8	0.18	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	1.7	J	1.8	0.52	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA) - DL	520		9.1	3.8	ng/L	5		537 (modified)	Total/NA

Client Sample ID: AMEC_MW-16A

Lab Sample ID: 500-237064-32

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoropentanoic acid (PFPeA)	1.2	J	1.8	0.44	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	1.6	J	1.8	0.52	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	1.1	J	1.8	0.22	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	7.1		1.8	0.76	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	0.65	J	1.8	0.51	ng/L	1		537 (modified)	Total/NA

Client Sample ID: AMEC_MW-17

Lab Sample ID: 500-237064-33

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	7.4		4.5	2.2	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	1.8		1.8	0.44	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	1.5	J	1.8	0.52	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	1.9		1.8	0.23	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	52		1.8	0.77	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	0.45	J	1.8	0.24	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	2.2		1.8	0.18	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	0.90	J	1.8	0.51	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	1.6	J	1.8	0.49	ng/L	1		537 (modified)	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Chicago

Detection Summary

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-121

Lab Sample ID: 500-237064-34

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	50		0.50	0.15	ug/L	1		8260B	Total/NA
Ethylbenzene	42		0.50	0.18	ug/L	1		8260B	Total/NA
Isopropylbenzene	26		1.0	0.39	ug/L	1		8260B	Total/NA
Naphthalene	68		1.0	0.34	ug/L	1		8260B	Total/NA
n-Butylbenzene	8.0		1.0	0.39	ug/L	1		8260B	Total/NA
N-Propylbenzene	33		1.0	0.41	ug/L	1		8260B	Total/NA
p-Isopropyltoluene	6.5		1.0	0.36	ug/L	1		8260B	Total/NA
sec-Butylbenzene	4.8		1.0	0.40	ug/L	1		8260B	Total/NA
tert-Butylbenzene	0.64	J	1.0	0.40	ug/L	1		8260B	Total/NA
1,3,5-Trimethylbenzene	43		1.0	0.25	ug/L	1		8260B	Total/NA
Xylenes, Total	89		1.0	0.22	ug/L	1		8260B	Total/NA
1,2,4-Trimethylbenzene - DL	280		10	3.6	ug/L	10		8260B	Total/NA

Client Sample ID: MW-200

Lab Sample ID: 500-237064-35

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	11		4.5	2.2	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	8.0		1.8	0.44	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	7.7		1.8	0.52	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	5.5		1.8	0.23	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	73		1.8	0.77	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	17		1.8	0.18	ng/L	1		537 (modified)	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	0.56	J	1.8	0.27	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	2.8		1.8	0.51	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	3.0		1.8	0.49	ng/L	1		537 (modified)	Total/NA

Client Sample ID: PZ-200

Lab Sample ID: 500-237064-36

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	2.3	J	4.5	2.2	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	1.0	J	1.8	0.44	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	1.7	J	1.8	0.52	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	1.4	J	1.8	0.23	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	7.1		1.8	0.77	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.41	J	1.8	0.18	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MW-209

Lab Sample ID: 500-237064-37

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	0.86	J	1.0	0.36	ug/L	1		8260B	Total/NA
Perfluorobutanoic acid (PFBA)	7.8		4.5	2.1	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	2.4		1.8	0.44	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	3.7		1.8	0.52	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	5.9		1.8	0.22	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	71		1.8	0.76	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	0.44	J	1.8	0.24	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	2.9		1.8	0.18	ng/L	1		537 (modified)	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	0.47	J	1.8	0.27	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	7.9		1.8	0.51	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanesulfonic acid (PFHpS)	0.22	J I	1.8	0.17	ng/L	1		537 (modified)	Total/NA

This Detection Summary does not include radiochemical test results.

Euofins Chicago

Detection Summary

Client: Ramboll US Corporation
Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-209 (Continued)

Lab Sample ID: 500-237064-37

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorooctanesulfonic acid (PFOS)	12		1.8	0.48	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MW-209 DUP

Lab Sample ID: 500-237064-38

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	7.8		4.6	2.2	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	2.3		1.8	0.45	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	4.0		1.8	0.53	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	5.6		1.8	0.23	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	71		1.8	0.77	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	0.39	J	1.8	0.25	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	0.30	J	1.8	0.28	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	2.8		1.8	0.18	ng/L	1		537 (modified)	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	0.46	J	1.8	0.27	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	7.9		1.8	0.52	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	13		1.8	0.49	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MW-219

Lab Sample ID: 500-237064-39

No Detections.

Client Sample ID: MW-226

Lab Sample ID: 500-237064-40

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	14	J	25	12	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	8.2	J	10	2.5	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	13		10	2.9	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	13		10	1.3	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	210		10	4.3	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	2.0	J	10	1.0	ng/L	1		537 (modified)	Total/NA

Client Sample ID: PZ-226

Lab Sample ID: 500-237064-41

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoropentanoic acid (PFPeA)	0.76	J	1.8	0.44	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	1.2	J	1.8	0.53	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.74	J	1.8	0.23	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	2.4		1.8	0.77	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	0.38	J	1.8	0.24	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MW-235

Lab Sample ID: 500-237064-42

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	100		4.4	2.1	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	51		1.8	0.43	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	25		1.8	0.51	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	7.6		1.8	0.22	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	74		1.8	0.74	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	3.7		1.8	0.18	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	1.7	J	1.8	0.50	ng/L	1		537 (modified)	Total/NA

This Detection Summary does not include radiochemical test results.

Euofins Chicago

Detection Summary

Client: Ramboll US Corporation
Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-236

Lab Sample ID: 500-237064-43

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	9.8		4.6	2.2	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	3.4		1.8	0.45	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	5.2		1.8	0.53	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	5.7		1.8	0.23	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	80		1.8	0.78	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	2.2		1.8	0.18	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	1.2	J	1.8	0.52	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	1.6	J I	1.8	0.49	ng/L	1		537 (modified)	Total/NA

Client Sample ID: EB-02

Lab Sample ID: 500-237064-44

No Detections.

Client Sample ID: EB-04

Lab Sample ID: 500-237064-45

No Detections.

Client Sample ID: EB-06

Lab Sample ID: 500-237064-46

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	1.8	J B	5.0	1.6	ug/L	1		8260B	Total/NA

Client Sample ID: FB-02

Lab Sample ID: 500-237064-47

No Detections.

Client Sample ID: FB-04

Lab Sample ID: 500-237064-48

No Detections.

Client Sample ID: FB-06

Lab Sample ID: 500-237064-49

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Chicago

Method Summary

Client: Ramboll US Corporation
Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	EET CHI
537 (modified)	Fluorinated Alkyl Substances	EPA	EET SAC
3535	Solid-Phase Extraction (SPE)	SW846	EET SAC
5030B	Purge and Trap	SW846	EET CHI

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

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

Sample Summary

Client: Ramboll US Corporation
Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-237064-1	MW-201	Water	07/18/23 14:03	07/22/23 09:50
500-237064-2	MW-204	Water	07/18/23 14:52	07/22/23 09:50
500-237064-3	EB-01	Water	07/18/23 15:25	07/22/23 09:50
500-237064-4	FB-01	Water	07/18/23 15:30	07/22/23 09:50
500-237064-5	PZ-206	Water	07/19/23 07:51	07/22/23 09:50
500-237064-6	MW-213	Water	07/19/23 08:50	07/22/23 09:50
500-237064-7	MW-213 DUP	Water	07/19/23 08:50	07/22/23 09:50
500-237064-8	MW-82	Water	07/19/23 10:00	07/22/23 09:50
500-237064-9	AECOM MW-19	Water	07/19/23 11:16	07/22/23 09:50
500-237064-10	PZ-214	Water	07/19/23 12:29	07/22/23 09:50
500-237064-11	MW-17	Water	07/19/23 13:23	07/22/23 09:50
500-237064-12	MW-37	Water	07/19/23 14:05	07/22/23 09:50
500-237064-13	MW-19	Water	07/19/23 15:00	07/22/23 09:50
500-237064-14	EB-03	Water	07/19/23 15:20	07/22/23 09:50
500-237064-15	FB-03	Water	07/19/23 15:25	07/22/23 09:50
500-237064-16	MW-48	Water	07/20/23 08:00	07/22/23 09:50
500-237064-17	MW-3	Water	07/20/23 08:50	07/22/23 09:50
500-237064-18	MW-5	Water	07/20/23 09:15	07/22/23 09:50
500-237064-19	MW-8	Water	07/20/23 09:55	07/22/23 09:50
500-237064-20	MW-31	Water	07/20/23 10:45	07/22/23 09:50
500-237064-21	MW-16	Water	07/20/23 11:45	07/22/23 09:50
500-237064-22	MW-15	Water	07/20/23 12:35	07/22/23 09:50
500-237064-23	MW-12	Water	07/20/23 13:22	07/22/23 09:50
500-237064-24	MW-9	Water	07/20/23 14:25	07/22/23 09:50
500-237064-25	MW-9 DUP	Water	07/20/23 14:25	07/22/23 09:50
500-237064-26	EB-05	Water	07/20/23 14:55	07/22/23 09:50
500-237064-27	FB-05	Water	07/20/23 15:00	07/22/23 09:50
500-237064-28	TRIP BLANK	Water	07/20/23 00:00	07/22/23 09:50
500-237064-29	AMEC_MW-14	Water	07/19/23 09:20	07/22/23 09:50
500-237064-30	AMEC_MW-15	Water	07/20/23 14:22	07/22/23 09:50
500-237064-31	AMEC_MW-16	Water	07/19/23 14:33	07/22/23 09:50
500-237064-32	AMEC_MW-16A	Water	07/19/23 15:12	07/22/23 09:50
500-237064-33	AMEC_MW-17	Water	07/20/23 09:37	07/22/23 09:50
500-237064-34	MW-121	Water	07/20/23 07:55	07/22/23 09:50
500-237064-35	MW-200	Water	07/19/23 11:24	07/22/23 09:50
500-237064-36	PZ-200	Water	07/19/23 10:50	07/22/23 09:50
500-237064-37	MW-209	Water	07/20/23 11:50	07/22/23 09:50
500-237064-38	MW-209 DUP	Water	07/20/23 11:55	07/22/23 09:50
500-237064-39	MW-219	Water	07/20/23 08:50	07/22/23 09:50
500-237064-40	MW-226	Water	07/18/23 14:15	07/22/23 09:50
500-237064-41	PZ-226	Water	07/18/23 14:56	07/22/23 09:50
500-237064-42	MW-235	Water	07/19/23 13:37	07/22/23 09:50
500-237064-43	MW-236	Water	07/19/23 12:52	07/22/23 09:50
500-237064-44	EB-02	Water	07/18/23 15:20	07/22/23 09:50
500-237064-45	EB-04	Water	07/19/23 15:27	07/22/23 09:50
500-237064-46	EB-06	Water	07/20/23 14:46	07/22/23 09:50
500-237064-47	FB-02	Water	07/18/23 15:10	07/22/23 09:50
500-237064-48	FB-04	Water	07/19/23 14:55	07/22/23 09:50
500-237064-49	FB-06	Water	07/20/23 14:34	07/22/23 09:50

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-201

Lab Sample ID: 500-237064-1

Date Collected: 07/18/23 14:03

Matrix: Water

Date Received: 07/22/23 09:50

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	25		4.7	2.2	ng/L		07/26/23 05:27	07/27/23 19:22	1
Perfluoropentanoic acid (PFPeA)	55		1.9	0.46	ng/L		07/26/23 05:27	07/27/23 19:22	1
Perfluorohexanoic acid (PFHxA)	54		1.9	0.54	ng/L		07/26/23 05:27	07/27/23 19:22	1
Perfluoroheptanoic acid (PFHpA)	13		1.9	0.23	ng/L		07/26/23 05:27	07/27/23 19:22	1
Perfluorooctanoic acid (PFOA)	210		1.9	0.79	ng/L		07/26/23 05:27	07/27/23 19:22	1
Perfluorononanoic acid (PFNA)	0.25	J	1.9	0.25	ng/L		07/26/23 05:27	07/27/23 19:22	1
Perfluorodecanoic acid (PFDA)	<0.29		1.9	0.29	ng/L		07/26/23 05:27	07/27/23 19:22	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		07/26/23 05:27	07/27/23 19:22	1
Perfluorododecanoic acid (PFDoA)	<0.51		1.9	0.51	ng/L		07/26/23 05:27	07/27/23 19:22	1
Perfluorotridecanoic acid (PFTriA)	<1.2		1.9	1.2	ng/L		07/26/23 05:27	07/27/23 19:22	1
Perfluorotetradecanoic acid (PFTeA)	<0.68		1.9	0.68	ng/L		07/26/23 05:27	07/27/23 19:22	1
Perfluorobutanesulfonic acid (PFBS)	2.7		1.9	0.19	ng/L		07/26/23 05:27	07/27/23 19:22	1
Perfluoropentanesulfonic acid (PFPeS)	0.35	J	1.9	0.28	ng/L		07/26/23 05:27	07/27/23 19:22	1
Perfluorohexanesulfonic acid (PFHxS)	6.8		1.9	0.53	ng/L		07/26/23 05:27	07/27/23 19:22	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.18		1.9	0.18	ng/L		07/26/23 05:27	07/27/23 19:22	1
Perfluorooctanesulfonic acid (PFOS)	4.2	I	1.9	0.50	ng/L		07/26/23 05:27	07/27/23 19:22	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		07/26/23 05:27	07/27/23 19:22	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		07/26/23 05:27	07/27/23 19:22	1
Perfluorododecanesulfonic acid (PFDoS)	<0.91		1.9	0.91	ng/L		07/26/23 05:27	07/27/23 19:22	1
Perfluorooctanesulfonamide (FOSA)	<0.92		1.9	0.92	ng/L		07/26/23 05:27	07/27/23 19:22	1
NEtFOSA	<0.81		1.9	0.81	ng/L		07/26/23 05:27	07/27/23 19:22	1
NMeFOSA	<0.40		1.9	0.40	ng/L		07/26/23 05:27	07/27/23 19:22	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<1.1		4.7	1.1	ng/L		07/26/23 05:27	07/27/23 19:22	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<1.2		4.7	1.2	ng/L		07/26/23 05:27	07/27/23 19:22	1
NMeFOSE	<1.3		3.7	1.3	ng/L		07/26/23 05:27	07/27/23 19:22	1
NEtFOSE	<0.79		1.9	0.79	ng/L		07/26/23 05:27	07/27/23 19:22	1
4:2 FTS	<0.22		1.9	0.22	ng/L		07/26/23 05:27	07/27/23 19:22	1
6:2 FTS	<2.3		4.7	2.3	ng/L		07/26/23 05:27	07/27/23 19:22	1
8:2 FTS	<0.43		1.9	0.43	ng/L		07/26/23 05:27	07/27/23 19:22	1
DONA	<0.37		1.9	0.37	ng/L		07/26/23 05:27	07/27/23 19:22	1
HFPO-DA (GenX)	<1.4		3.7	1.4	ng/L		07/26/23 05:27	07/27/23 19:22	1
F-53B Major	<0.22		1.9	0.22	ng/L		07/26/23 05:27	07/27/23 19:22	1
F-53B Minor	<0.30		1.9	0.30	ng/L		07/26/23 05:27	07/27/23 19:22	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	63		25 - 150	07/26/23 05:27	07/27/23 19:22	1
13C5 PFPeA	84		25 - 150	07/26/23 05:27	07/27/23 19:22	1
13C2 PFHxA	87		25 - 150	07/26/23 05:27	07/27/23 19:22	1
13C4 PFHpA	85		25 - 150	07/26/23 05:27	07/27/23 19:22	1
13C4 PFOA	95		25 - 150	07/26/23 05:27	07/27/23 19:22	1
13C5 PFNA	89		25 - 150	07/26/23 05:27	07/27/23 19:22	1
13C2 PFDA	91		25 - 150	07/26/23 05:27	07/27/23 19:22	1
13C2 PFUnA	90		25 - 150	07/26/23 05:27	07/27/23 19:22	1
13C2 PFDoA	79		25 - 150	07/26/23 05:27	07/27/23 19:22	1

Eurofins Chicago

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-201

Lab Sample ID: 500-237064-1

Date Collected: 07/18/23 14:03

Matrix: Water

Date Received: 07/22/23 09:50

Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C2 PFTeDA	76		25 - 150	07/26/23 05:27	07/27/23 19:22	1
13C3 PFBS	86		25 - 150	07/26/23 05:27	07/27/23 19:22	1
18O2 PFHxS	88		25 - 150	07/26/23 05:27	07/27/23 19:22	1
13C4 PFOS	88		25 - 150	07/26/23 05:27	07/27/23 19:22	1
13C8 FOSA	109		10 - 150	07/26/23 05:27	07/27/23 19:22	1
d3-NMeFOSAA	96		25 - 150	07/26/23 05:27	07/27/23 19:22	1
d5-NEtFOSAA	98		25 - 150	07/26/23 05:27	07/27/23 19:22	1
d-N-MeFOSA-M	82		10 - 150	07/26/23 05:27	07/27/23 19:22	1
d-N-EtFOSA-M	79		10 - 150	07/26/23 05:27	07/27/23 19:22	1
d7-N-MeFOSE-M	87		10 - 150	07/26/23 05:27	07/27/23 19:22	1
d9-N-EtFOSE-M	77		10 - 150	07/26/23 05:27	07/27/23 19:22	1
M2-4:2 FTS	87		25 - 150	07/26/23 05:27	07/27/23 19:22	1
M2-6:2 FTS	74		25 - 150	07/26/23 05:27	07/27/23 19:22	1
M2-8:2 FTS	75		25 - 150	07/26/23 05:27	07/27/23 19:22	1
13C3 HFPO-DA	83		25 - 150	07/26/23 05:27	07/27/23 19:22	1

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-204

Lab Sample ID: 500-237064-2

Date Collected: 07/18/23 14:52

Matrix: Water

Date Received: 07/22/23 09:50

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	12		4.6	2.2	ng/L		07/26/23 05:27	07/27/23 19:32	1
Perfluoropentanoic acid (PFPeA)	7.7		1.9	0.45	ng/L		07/26/23 05:27	07/27/23 19:32	1
Perfluorohexanoic acid (PFHxA)	15		1.9	0.54	ng/L		07/26/23 05:27	07/27/23 19:32	1
Perfluoroheptanoic acid (PFHpA)	8.9		1.9	0.23	ng/L		07/26/23 05:27	07/27/23 19:32	1
Perfluorooctanoic acid (PFOA)	92		1.9	0.79	ng/L		07/26/23 05:27	07/27/23 19:32	1
Perfluorononanoic acid (PFNA)	0.65	J	1.9	0.25	ng/L		07/26/23 05:27	07/27/23 19:32	1
Perfluorodecanoic acid (PFDA)	0.43	J	1.9	0.29	ng/L		07/26/23 05:27	07/27/23 19:32	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		07/26/23 05:27	07/27/23 19:32	1
Perfluorododecanoic acid (PFDoA)	<0.51		1.9	0.51	ng/L		07/26/23 05:27	07/27/23 19:32	1
Perfluorotridecanoic acid (PFTriA)	<1.2		1.9	1.2	ng/L		07/26/23 05:27	07/27/23 19:32	1
Perfluorotetradecanoic acid (PFTeA)	<0.68		1.9	0.68	ng/L		07/26/23 05:27	07/27/23 19:32	1
Perfluorobutanesulfonic acid (PFBS)	2.4		1.9	0.19	ng/L		07/26/23 05:27	07/27/23 19:32	1
Perfluoropentanesulfonic acid (PFPeS)	1.4	J	1.9	0.28	ng/L		07/26/23 05:27	07/27/23 19:32	1
Perfluorohexanesulfonic acid (PFHxS)	82		1.9	0.53	ng/L		07/26/23 05:27	07/27/23 19:32	1
Perfluoroheptanesulfonic acid (PFHpS)	0.55	J	1.9	0.18	ng/L		07/26/23 05:27	07/27/23 19:32	1
Perfluorooctanesulfonic acid (PFOS)	19		1.9	0.50	ng/L		07/26/23 05:27	07/27/23 19:32	1
Perfluorononanesulfonic acid (PFNS)	<0.34		1.9	0.34	ng/L		07/26/23 05:27	07/27/23 19:32	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		07/26/23 05:27	07/27/23 19:32	1
Perfluorododecanesulfonic acid (PFDoS)	<0.90		1.9	0.90	ng/L		07/26/23 05:27	07/27/23 19:32	1
Perfluorooctanesulfonamide (FOSA)	<0.91		1.9	0.91	ng/L		07/26/23 05:27	07/27/23 19:32	1
NEtFOSA	<0.81		1.9	0.81	ng/L		07/26/23 05:27	07/27/23 19:32	1
NMeFOSA	<0.40		1.9	0.40	ng/L		07/26/23 05:27	07/27/23 19:32	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<1.1		4.6	1.1	ng/L		07/26/23 05:27	07/27/23 19:32	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<1.2		4.6	1.2	ng/L		07/26/23 05:27	07/27/23 19:32	1
NMeFOSE	<1.3		3.7	1.3	ng/L		07/26/23 05:27	07/27/23 19:32	1
NEtFOSE	<0.79		1.9	0.79	ng/L		07/26/23 05:27	07/27/23 19:32	1
4:2 FTS	<0.22		1.9	0.22	ng/L		07/26/23 05:27	07/27/23 19:32	1
6:2 FTS	<2.3		4.6	2.3	ng/L		07/26/23 05:27	07/27/23 19:32	1
8:2 FTS	<0.43		1.9	0.43	ng/L		07/26/23 05:27	07/27/23 19:32	1
DONA	<0.37		1.9	0.37	ng/L		07/26/23 05:27	07/27/23 19:32	1
HFPO-DA (GenX)	<1.4		3.7	1.4	ng/L		07/26/23 05:27	07/27/23 19:32	1
F-53B Major	<0.22		1.9	0.22	ng/L		07/26/23 05:27	07/27/23 19:32	1
F-53B Minor	<0.30		1.9	0.30	ng/L		07/26/23 05:27	07/27/23 19:32	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	65		25 - 150	07/26/23 05:27	07/27/23 19:32	1
13C5 PFPeA	80		25 - 150	07/26/23 05:27	07/27/23 19:32	1
13C2 PFHxA	86		25 - 150	07/26/23 05:27	07/27/23 19:32	1
13C4 PFHpA	91		25 - 150	07/26/23 05:27	07/27/23 19:32	1
13C4 PFOA	98		25 - 150	07/26/23 05:27	07/27/23 19:32	1
13C5 PFNA	93		25 - 150	07/26/23 05:27	07/27/23 19:32	1
13C2 PFDA	94		25 - 150	07/26/23 05:27	07/27/23 19:32	1
13C2 PFUnA	97		25 - 150	07/26/23 05:27	07/27/23 19:32	1
13C2 PFDoA	85		25 - 150	07/26/23 05:27	07/27/23 19:32	1

Eurofins Chicago

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-204
Date Collected: 07/18/23 14:52
Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-2
Matrix: Water

Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C2 PFTeDA	81		25 - 150	07/26/23 05:27	07/27/23 19:32	1
13C3 PFBS	92		25 - 150	07/26/23 05:27	07/27/23 19:32	1
18O2 PFHxS	96		25 - 150	07/26/23 05:27	07/27/23 19:32	1
13C4 PFOS	98		25 - 150	07/26/23 05:27	07/27/23 19:32	1
13C8 FOSA	117		10 - 150	07/26/23 05:27	07/27/23 19:32	1
d3-NMeFOSAA	106		25 - 150	07/26/23 05:27	07/27/23 19:32	1
d5-NEtFOSAA	107		25 - 150	07/26/23 05:27	07/27/23 19:32	1
d-N-MeFOSA-M	87		10 - 150	07/26/23 05:27	07/27/23 19:32	1
d-N-EtFOSA-M	80		10 - 150	07/26/23 05:27	07/27/23 19:32	1
d7-N-MeFOSE-M	92		10 - 150	07/26/23 05:27	07/27/23 19:32	1
d9-N-EtFOSE-M	85		10 - 150	07/26/23 05:27	07/27/23 19:32	1
M2-4:2 FTS	97		25 - 150	07/26/23 05:27	07/27/23 19:32	1
M2-6:2 FTS	92		25 - 150	07/26/23 05:27	07/27/23 19:32	1
M2-8:2 FTS	84		25 - 150	07/26/23 05:27	07/27/23 19:32	1
13C3 HFPO-DA	86		25 - 150	07/26/23 05:27	07/27/23 19:32	1

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: EB-01
Date Collected: 07/18/23 15:25
Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-3
Matrix: Water

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.1		4.4	2.1	ng/L		07/26/23 05:27	07/27/23 19:42	1
Perfluoropentanoic acid (PFPeA)	<0.44		1.8	0.44	ng/L		07/26/23 05:27	07/27/23 19:42	1
Perfluorohexanoic acid (PFHxA)	<0.52		1.8	0.52	ng/L		07/26/23 05:27	07/27/23 19:42	1
Perfluoroheptanoic acid (PFHpA)	<0.22		1.8	0.22	ng/L		07/26/23 05:27	07/27/23 19:42	1
Perfluorooctanoic acid (PFOA)	<0.76		1.8	0.76	ng/L		07/26/23 05:27	07/27/23 19:42	1
Perfluorononanoic acid (PFNA)	<0.24		1.8	0.24	ng/L		07/26/23 05:27	07/27/23 19:42	1
Perfluorodecanoic acid (PFDA)	<0.28		1.8	0.28	ng/L		07/26/23 05:27	07/27/23 19:42	1
Perfluoroundecanoic acid (PFUnA)	<0.98		1.8	0.98	ng/L		07/26/23 05:27	07/27/23 19:42	1
Perfluorododecanoic acid (PFDoA)	<0.49		1.8	0.49	ng/L		07/26/23 05:27	07/27/23 19:42	1
Perfluorotridecanoic acid (PFTriA)	<1.2		1.8	1.2	ng/L		07/26/23 05:27	07/27/23 19:42	1
Perfluorotetradecanoic acid (PFTeA)	<0.65		1.8	0.65	ng/L		07/26/23 05:27	07/27/23 19:42	1
Perfluorobutanesulfonic acid (PFBS)	<0.18		1.8	0.18	ng/L		07/26/23 05:27	07/27/23 19:42	1
Perfluoropentanesulfonic acid (PFPeS)	<0.27		1.8	0.27	ng/L		07/26/23 05:27	07/27/23 19:42	1
Perfluorohexanesulfonic acid (PFHxS)	<0.51		1.8	0.51	ng/L		07/26/23 05:27	07/27/23 19:42	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.17		1.8	0.17	ng/L		07/26/23 05:27	07/27/23 19:42	1
Perfluorooctanesulfonic acid (PFOS)	<0.48		1.8	0.48	ng/L		07/26/23 05:27	07/27/23 19:42	1
Perfluorononanesulfonic acid (PFNS)	<0.33		1.8	0.33	ng/L		07/26/23 05:27	07/27/23 19:42	1
Perfluorodecanesulfonic acid (PFDS)	<0.28		1.8	0.28	ng/L		07/26/23 05:27	07/27/23 19:42	1
Perfluorododecanesulfonic acid (PFDoS)	<0.86		1.8	0.86	ng/L		07/26/23 05:27	07/27/23 19:42	1
Perfluorooctanesulfonamide (FOSA)	<0.87		1.8	0.87	ng/L		07/26/23 05:27	07/27/23 19:42	1
NEtFOSA	<0.77		1.8	0.77	ng/L		07/26/23 05:27	07/27/23 19:42	1
NMeFOSA	<0.38		1.8	0.38	ng/L		07/26/23 05:27	07/27/23 19:42	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<1.1		4.4	1.1	ng/L		07/26/23 05:27	07/27/23 19:42	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<1.2		4.4	1.2	ng/L		07/26/23 05:27	07/27/23 19:42	1
NMeFOSE	<1.2		3.6	1.2	ng/L		07/26/23 05:27	07/27/23 19:42	1
NEtFOSE	<0.76		1.8	0.76	ng/L		07/26/23 05:27	07/27/23 19:42	1
4:2 FTS	<0.21		1.8	0.21	ng/L		07/26/23 05:27	07/27/23 19:42	1
6:2 FTS	<2.2		4.4	2.2	ng/L		07/26/23 05:27	07/27/23 19:42	1
8:2 FTS	<0.41		1.8	0.41	ng/L		07/26/23 05:27	07/27/23 19:42	1
DONA	<0.36		1.8	0.36	ng/L		07/26/23 05:27	07/27/23 19:42	1
HFPO-DA (GenX)	<1.3		3.6	1.3	ng/L		07/26/23 05:27	07/27/23 19:42	1
F-53B Major	<0.21		1.8	0.21	ng/L		07/26/23 05:27	07/27/23 19:42	1
F-53B Minor	<0.28		1.8	0.28	ng/L		07/26/23 05:27	07/27/23 19:42	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	105		25 - 150	07/26/23 05:27	07/27/23 19:42	1
13C5 PFPeA	108		25 - 150	07/26/23 05:27	07/27/23 19:42	1
13C2 PFHxA	102		25 - 150	07/26/23 05:27	07/27/23 19:42	1
13C4 PFHpA	110		25 - 150	07/26/23 05:27	07/27/23 19:42	1
13C4 PFOA	105		25 - 150	07/26/23 05:27	07/27/23 19:42	1
13C5 PFNA	108		25 - 150	07/26/23 05:27	07/27/23 19:42	1
13C2 PFDA	113		25 - 150	07/26/23 05:27	07/27/23 19:42	1
13C2 PFUnA	119		25 - 150	07/26/23 05:27	07/27/23 19:42	1
13C2 PFDoA	112		25 - 150	07/26/23 05:27	07/27/23 19:42	1
13C2 PFTeDA	108		25 - 150	07/26/23 05:27	07/27/23 19:42	1
13C3 PFBS	110		25 - 150	07/26/23 05:27	07/27/23 19:42	1

Eurofins Chicago

Client Sample Results

Client: Ramboll US Corporation
Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: EB-01
Date Collected: 07/18/23 15:25
Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-3
Matrix: Water

Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
18O2 PFHxS	114		25 - 150	07/26/23 05:27	07/27/23 19:42	1
13C4 PFOS	115		25 - 150	07/26/23 05:27	07/27/23 19:42	1
13C8 FOSA	129		10 - 150	07/26/23 05:27	07/27/23 19:42	1
d3-NMeFOSAA	129		25 - 150	07/26/23 05:27	07/27/23 19:42	1
d5-NEtFOSAA	133		25 - 150	07/26/23 05:27	07/27/23 19:42	1
d-N-MeFOSA-M	101		10 - 150	07/26/23 05:27	07/27/23 19:42	1
d-N-EtFOSA-M	99		10 - 150	07/26/23 05:27	07/27/23 19:42	1
d7-N-MeFOSE-M	118		10 - 150	07/26/23 05:27	07/27/23 19:42	1
d9-N-EtFOSE-M	110		10 - 150	07/26/23 05:27	07/27/23 19:42	1
M2-4:2 FTS	93		25 - 150	07/26/23 05:27	07/27/23 19:42	1
M2-6:2 FTS	95		25 - 150	07/26/23 05:27	07/27/23 19:42	1
M2-8:2 FTS	94		25 - 150	07/26/23 05:27	07/27/23 19:42	1
13C3 HFPO-DA	101		25 - 150	07/26/23 05:27	07/27/23 19:42	1

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: FB-01
Date Collected: 07/18/23 15:30
Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-4
Matrix: Water

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.2		4.5	2.2	ng/L		07/26/23 05:27	07/27/23 19:52	1
Perfluoropentanoic acid (PFPeA)	<0.44		1.8	0.44	ng/L		07/26/23 05:27	07/27/23 19:52	1
Perfluorohexanoic acid (PFHxA)	<0.53		1.8	0.53	ng/L		07/26/23 05:27	07/27/23 19:52	1
Perfluoroheptanoic acid (PFHpA)	<0.23		1.8	0.23	ng/L		07/26/23 05:27	07/27/23 19:52	1
Perfluorooctanoic acid (PFOA)	<0.77		1.8	0.77	ng/L		07/26/23 05:27	07/27/23 19:52	1
Perfluorononanoic acid (PFNA)	<0.24		1.8	0.24	ng/L		07/26/23 05:27	07/27/23 19:52	1
Perfluorodecanoic acid (PFDA)	<0.28		1.8	0.28	ng/L		07/26/23 05:27	07/27/23 19:52	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.8	1.0	ng/L		07/26/23 05:27	07/27/23 19:52	1
Perfluorododecanoic acid (PFDoA)	<0.50		1.8	0.50	ng/L		07/26/23 05:27	07/27/23 19:52	1
Perfluorotridecanoic acid (PFTriA)	<1.2		1.8	1.2	ng/L		07/26/23 05:27	07/27/23 19:52	1
Perfluorotetradecanoic acid (PFTeA)	<0.66		1.8	0.66	ng/L		07/26/23 05:27	07/27/23 19:52	1
Perfluorobutanesulfonic acid (PFBS)	<0.18		1.8	0.18	ng/L		07/26/23 05:27	07/27/23 19:52	1
Perfluoropentanesulfonic acid (PFPeS)	<0.27		1.8	0.27	ng/L		07/26/23 05:27	07/27/23 19:52	1
Perfluorohexanesulfonic acid (PFHxS)	<0.52		1.8	0.52	ng/L		07/26/23 05:27	07/27/23 19:52	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.17		1.8	0.17	ng/L		07/26/23 05:27	07/27/23 19:52	1
Perfluorooctanesulfonic acid (PFOS)	<0.49		1.8	0.49	ng/L		07/26/23 05:27	07/27/23 19:52	1
Perfluorononanesulfonic acid (PFNS)	<0.34		1.8	0.34	ng/L		07/26/23 05:27	07/27/23 19:52	1
Perfluorodecanesulfonic acid (PFDS)	<0.29		1.8	0.29	ng/L		07/26/23 05:27	07/27/23 19:52	1
Perfluorododecanesulfonic acid (PFDoS)	<0.88		1.8	0.88	ng/L		07/26/23 05:27	07/27/23 19:52	1
Perfluorooctanesulfonamide (FOSA)	<0.89		1.8	0.89	ng/L		07/26/23 05:27	07/27/23 19:52	1
NEtFOSA	<0.79		1.8	0.79	ng/L		07/26/23 05:27	07/27/23 19:52	1
NMeFOSA	<0.39		1.8	0.39	ng/L		07/26/23 05:27	07/27/23 19:52	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<1.1		4.5	1.1	ng/L		07/26/23 05:27	07/27/23 19:52	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<1.2		4.5	1.2	ng/L		07/26/23 05:27	07/27/23 19:52	1
NMeFOSE	<1.3		3.6	1.3	ng/L		07/26/23 05:27	07/27/23 19:52	1
NEtFOSE	<0.77		1.8	0.77	ng/L		07/26/23 05:27	07/27/23 19:52	1
4:2 FTS	<0.22		1.8	0.22	ng/L		07/26/23 05:27	07/27/23 19:52	1
6:2 FTS	<2.3		4.5	2.3	ng/L		07/26/23 05:27	07/27/23 19:52	1
8:2 FTS	<0.42		1.8	0.42	ng/L		07/26/23 05:27	07/27/23 19:52	1
DONA	<0.36		1.8	0.36	ng/L		07/26/23 05:27	07/27/23 19:52	1
HFPO-DA (GenX)	<1.4		3.6	1.4	ng/L		07/26/23 05:27	07/27/23 19:52	1
F-53B Major	<0.22		1.8	0.22	ng/L		07/26/23 05:27	07/27/23 19:52	1
F-53B Minor	<0.29		1.8	0.29	ng/L		07/26/23 05:27	07/27/23 19:52	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	105		25 - 150	07/26/23 05:27	07/27/23 19:52	1
13C5 PFPeA	109		25 - 150	07/26/23 05:27	07/27/23 19:52	1
13C2 PFHxA	103		25 - 150	07/26/23 05:27	07/27/23 19:52	1
13C4 PFHpA	106		25 - 150	07/26/23 05:27	07/27/23 19:52	1
13C4 PFOA	107		25 - 150	07/26/23 05:27	07/27/23 19:52	1
13C5 PFNA	110		25 - 150	07/26/23 05:27	07/27/23 19:52	1
13C2 PFDA	111		25 - 150	07/26/23 05:27	07/27/23 19:52	1
13C2 PFUnA	115		25 - 150	07/26/23 05:27	07/27/23 19:52	1
13C2 PFDoA	110		25 - 150	07/26/23 05:27	07/27/23 19:52	1
13C2 PFTeDA	110		25 - 150	07/26/23 05:27	07/27/23 19:52	1
13C3 PFBS	107		25 - 150	07/26/23 05:27	07/27/23 19:52	1

Euofins Chicago

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: FB-01
Date Collected: 07/18/23 15:30
Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-4
Matrix: Water

Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
18O2 PFHxS	107		25 - 150	07/26/23 05:27	07/27/23 19:52	1
13C4 PFOS	112		25 - 150	07/26/23 05:27	07/27/23 19:52	1
13C8 FOSA	130		10 - 150	07/26/23 05:27	07/27/23 19:52	1
d3-NMeFOSAA	129		25 - 150	07/26/23 05:27	07/27/23 19:52	1
d5-NEtFOSAA	135		25 - 150	07/26/23 05:27	07/27/23 19:52	1
d-N-MeFOSA-M	102		10 - 150	07/26/23 05:27	07/27/23 19:52	1
d-N-EtFOSA-M	102		10 - 150	07/26/23 05:27	07/27/23 19:52	1
d7-N-MeFOSE-M	124		10 - 150	07/26/23 05:27	07/27/23 19:52	1
d9-N-EtFOSE-M	116		10 - 150	07/26/23 05:27	07/27/23 19:52	1
M2-4:2 FTS	90		25 - 150	07/26/23 05:27	07/27/23 19:52	1
M2-6:2 FTS	87		25 - 150	07/26/23 05:27	07/27/23 19:52	1
M2-8:2 FTS	94		25 - 150	07/26/23 05:27	07/27/23 19:52	1
13C3 HFPO-DA	100		25 - 150	07/26/23 05:27	07/27/23 19:52	1

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: PZ-206

Lab Sample ID: 500-237064-5

Date Collected: 07/19/23 07:51

Matrix: Water

Date Received: 07/22/23 09:50

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.3		4.7	2.3	ng/L		07/26/23 05:27	07/27/23 20:03	1
Perfluoropentanoic acid (PFPeA)	0.82	J	1.9	0.46	ng/L		07/26/23 05:27	07/27/23 20:03	1
Perfluorohexanoic acid (PFHxA)	1.0	J	1.9	0.54	ng/L		07/26/23 05:27	07/27/23 20:03	1
Perfluoroheptanoic acid (PFHpA)	0.70	J	1.9	0.23	ng/L		07/26/23 05:27	07/27/23 20:03	1
Perfluorooctanoic acid (PFOA)	2.6		1.9	0.80	ng/L		07/26/23 05:27	07/27/23 20:03	1
Perfluorononanoic acid (PFNA)	<0.25		1.9	0.25	ng/L		07/26/23 05:27	07/27/23 20:03	1
Perfluorodecanoic acid (PFDA)	<0.29		1.9	0.29	ng/L		07/26/23 05:27	07/27/23 20:03	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		07/26/23 05:27	07/27/23 20:03	1
Perfluorododecanoic acid (PFDoA)	<0.52		1.9	0.52	ng/L		07/26/23 05:27	07/27/23 20:03	1
Perfluorotridecanoic acid (PFTriA)	<1.2		1.9	1.2	ng/L		07/26/23 05:27	07/27/23 20:03	1
Perfluorotetradecanoic acid (PFTeA)	<0.68		1.9	0.68	ng/L		07/26/23 05:27	07/27/23 20:03	1
Perfluorobutanesulfonic acid (PFBS)	<0.19		1.9	0.19	ng/L		07/26/23 05:27	07/27/23 20:03	1
Perfluoropentanesulfonic acid (PFPeS)	<0.28		1.9	0.28	ng/L		07/26/23 05:27	07/27/23 20:03	1
Perfluorohexanesulfonic acid (PFHxS)	<0.53		1.9	0.53	ng/L		07/26/23 05:27	07/27/23 20:03	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.18		1.9	0.18	ng/L		07/26/23 05:27	07/27/23 20:03	1
Perfluorooctanesulfonic acid (PFOS)	<0.51		1.9	0.51	ng/L		07/26/23 05:27	07/27/23 20:03	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		07/26/23 05:27	07/27/23 20:03	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		07/26/23 05:27	07/27/23 20:03	1
Perfluorododecanesulfonic acid (PFDoS)	<0.91		1.9	0.91	ng/L		07/26/23 05:27	07/27/23 20:03	1
Perfluorooctanesulfonamide (FOSA)	<0.92		1.9	0.92	ng/L		07/26/23 05:27	07/27/23 20:03	1
NEtFOSA	<0.82		1.9	0.82	ng/L		07/26/23 05:27	07/27/23 20:03	1
NMeFOSA	<0.40		1.9	0.40	ng/L		07/26/23 05:27	07/27/23 20:03	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<1.1		4.7	1.1	ng/L		07/26/23 05:27	07/27/23 20:03	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<1.2		4.7	1.2	ng/L		07/26/23 05:27	07/27/23 20:03	1
NMeFOSE	<1.3		3.8	1.3	ng/L		07/26/23 05:27	07/27/23 20:03	1
NEtFOSE	<0.80		1.9	0.80	ng/L		07/26/23 05:27	07/27/23 20:03	1
4:2 FTS	<0.23		1.9	0.23	ng/L		07/26/23 05:27	07/27/23 20:03	1
6:2 FTS	<2.3		4.7	2.3	ng/L		07/26/23 05:27	07/27/23 20:03	1
8:2 FTS	<0.43		1.9	0.43	ng/L		07/26/23 05:27	07/27/23 20:03	1
DONA	<0.38		1.9	0.38	ng/L		07/26/23 05:27	07/27/23 20:03	1
HFPO-DA (GenX)	<1.4		3.8	1.4	ng/L		07/26/23 05:27	07/27/23 20:03	1
F-53B Major	<0.23		1.9	0.23	ng/L		07/26/23 05:27	07/27/23 20:03	1
F-53B Minor	<0.30		1.9	0.30	ng/L		07/26/23 05:27	07/27/23 20:03	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	85		25 - 150	07/26/23 05:27	07/27/23 20:03	1
13C5 PFPeA	100		25 - 150	07/26/23 05:27	07/27/23 20:03	1
13C2 PFHxA	99		25 - 150	07/26/23 05:27	07/27/23 20:03	1
13C4 PFHpA	102		25 - 150	07/26/23 05:27	07/27/23 20:03	1
13C4 PFOA	100		25 - 150	07/26/23 05:27	07/27/23 20:03	1
13C5 PFNA	104		25 - 150	07/26/23 05:27	07/27/23 20:03	1
13C2 PFDA	104		25 - 150	07/26/23 05:27	07/27/23 20:03	1
13C2 PFUnA	104		25 - 150	07/26/23 05:27	07/27/23 20:03	1
13C2 PFDoA	98		25 - 150	07/26/23 05:27	07/27/23 20:03	1
13C2 PFTeDA	99		25 - 150	07/26/23 05:27	07/27/23 20:03	1
13C3 PFBS	98		25 - 150	07/26/23 05:27	07/27/23 20:03	1

Eurofins Chicago

Client Sample Results

Client: Ramboll US Corporation
Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: PZ-206

Lab Sample ID: 500-237064-5

Date Collected: 07/19/23 07:51

Matrix: Water

Date Received: 07/22/23 09:50

Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
18O2 PFHxS	99		25 - 150	07/26/23 05:27	07/27/23 20:03	1
13C4 PFOS	99		25 - 150	07/26/23 05:27	07/27/23 20:03	1
13C8 FOSA	126		10 - 150	07/26/23 05:27	07/27/23 20:03	1
d3-NMeFOSAA	119		25 - 150	07/26/23 05:27	07/27/23 20:03	1
d5-NEtFOSAA	116		25 - 150	07/26/23 05:27	07/27/23 20:03	1
d-N-MeFOSA-M	93		10 - 150	07/26/23 05:27	07/27/23 20:03	1
d-N-EtFOSA-M	92		10 - 150	07/26/23 05:27	07/27/23 20:03	1
d7-N-MeFOSE-M	108		10 - 150	07/26/23 05:27	07/27/23 20:03	1
d9-N-EtFOSE-M	97		10 - 150	07/26/23 05:27	07/27/23 20:03	1
M2-4:2 FTS	82		25 - 150	07/26/23 05:27	07/27/23 20:03	1
M2-6:2 FTS	81		25 - 150	07/26/23 05:27	07/27/23 20:03	1
M2-8:2 FTS	82		25 - 150	07/26/23 05:27	07/27/23 20:03	1
13C3 HFPO-DA	98		25 - 150	07/26/23 05:27	07/27/23 20:03	1

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-213

Lab Sample ID: 500-237064-6

Date Collected: 07/19/23 08:50

Matrix: Water

Date Received: 07/22/23 09:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			08/01/23 13:24	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/01/23 13:24	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/01/23 13:24	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/01/23 13:24	1
Bromoform	<0.48		1.0	0.48	ug/L			08/01/23 13:24	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/01/23 13:24	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/01/23 13:24	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/01/23 13:24	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/01/23 13:24	1
Chloroform	<0.37		2.0	0.37	ug/L			08/01/23 13:24	1
Chloromethane	<0.32		5.0	0.32	ug/L			08/01/23 13:24	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/01/23 13:24	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/01/23 13:24	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			08/01/23 13:24	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/01/23 13:24	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/01/23 13:24	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/01/23 13:24	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/01/23 13:24	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/01/23 13:24	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/01/23 13:24	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/01/23 13:24	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/01/23 13:24	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/01/23 13:24	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/01/23 13:24	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/01/23 13:24	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/01/23 13:24	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/01/23 13:24	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/01/23 13:24	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/01/23 13:24	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/01/23 13:24	1
Ethylbenzene	74		0.50	0.18	ug/L			08/01/23 13:24	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/01/23 13:24	1
Isopropylbenzene	55		1.0	0.39	ug/L			08/01/23 13:24	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/01/23 13:24	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/01/23 13:24	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/01/23 13:24	1
Naphthalene	100		1.0	0.34	ug/L			08/01/23 13:24	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/01/23 13:24	1
N-Propylbenzene	74		1.0	0.41	ug/L			08/01/23 13:24	1
p-Isopropyltoluene	26		1.0	0.36	ug/L			08/01/23 13:24	1
sec-Butylbenzene	21		1.0	0.40	ug/L			08/01/23 13:24	1
Styrene	<0.39		1.0	0.39	ug/L			08/01/23 13:24	1
tert-Butylbenzene	7.5		1.0	0.40	ug/L			08/01/23 13:24	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/01/23 13:24	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/01/23 13:24	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			08/01/23 13:24	1
Toluene	0.29 J		0.50	0.15	ug/L			08/01/23 13:24	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			08/01/23 13:24	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/01/23 13:24	1

Eurofins Chicago

Client Sample Results

Client: Ramboll US Corporation
Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-213

Lab Sample ID: 500-237064-6

Date Collected: 07/19/23 08:50

Matrix: Water

Date Received: 07/22/23 09:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/01/23 13:24	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/01/23 13:24	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/01/23 13:24	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/01/23 13:24	1
Trichloroethene	<0.16		0.50	0.16	ug/L			08/01/23 13:24	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/01/23 13:24	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/01/23 13:24	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/01/23 13:24	1
Xylenes, Total	180		1.0	0.22	ug/L			08/01/23 13:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		72 - 124		08/01/23 13:24	1
Dibromofluoromethane (Surr)	111		75 - 120		08/01/23 13:24	1
1,2-Dichloroethane-d4 (Surr)	94		75 - 126		08/01/23 13:24	1
Toluene-d8 (Surr)	110		75 - 120		08/01/23 13:24	1

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	610		10	3.6	ug/L			08/01/23 13:47	10
1,3,5-Trimethylbenzene	230		10	2.5	ug/L			08/01/23 13:47	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		72 - 124		08/01/23 13:47	10
Dibromofluoromethane (Surr)	112		75 - 120		08/01/23 13:47	10
1,2-Dichloroethane-d4 (Surr)	99		75 - 126		08/01/23 13:47	10
Toluene-d8 (Surr)	108		75 - 120		08/01/23 13:47	10

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.3		4.7	2.3	ng/L		07/26/23 05:27	07/27/23 20:13	1
Perfluoropentanoic acid (PFPeA)	4.2		1.9	0.46	ng/L		07/26/23 05:27	07/27/23 20:13	1
Perfluorohexanoic acid (PFHxA)	11		1.9	0.55	ng/L		07/26/23 05:27	07/27/23 20:13	1
Perfluoroheptanoic acid (PFHpA)	22		1.9	0.24	ng/L		07/26/23 05:27	07/27/23 20:13	1
Perfluorooctanoic acid (PFOA)	350		1.9	0.81	ng/L		07/26/23 05:27	07/27/23 20:13	1
Perfluorononanoic acid (PFNA)	0.32 J		1.9	0.26	ng/L		07/26/23 05:27	07/27/23 20:13	1
Perfluorodecanoic acid (PFDA)	<0.29		1.9	0.29	ng/L		07/26/23 05:27	07/27/23 20:13	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		07/26/23 05:27	07/27/23 20:13	1
Perfluorododecanoic acid (PFDoA)	<0.52		1.9	0.52	ng/L		07/26/23 05:27	07/27/23 20:13	1
Perfluorotridecanoic acid (PFTriA)	<1.2		1.9	1.2	ng/L		07/26/23 05:27	07/27/23 20:13	1
Perfluorotetradecanoic acid (PFTeA)	<0.69		1.9	0.69	ng/L		07/26/23 05:27	07/27/23 20:13	1
Perfluorobutanesulfonic acid (PFBS)	1.2 J		1.9	0.19	ng/L		07/26/23 05:27	07/27/23 20:13	1
Perfluoropentanesulfonic acid (PFPeS)	<0.28		1.9	0.28	ng/L		07/26/23 05:27	07/27/23 20:13	1
Perfluorohexanesulfonic acid (PFHxS)	1.7 J		1.9	0.54	ng/L		07/26/23 05:27	07/27/23 20:13	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.18		1.9	0.18	ng/L		07/26/23 05:27	07/27/23 20:13	1
Perfluorooctanesulfonic acid (PFOS)	3.5		1.9	0.51	ng/L		07/26/23 05:27	07/27/23 20:13	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		07/26/23 05:27	07/27/23 20:13	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		07/26/23 05:27	07/27/23 20:13	1

Eurofins Chicago

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-213

Lab Sample ID: 500-237064-6

Date Collected: 07/19/23 08:50

Matrix: Water

Date Received: 07/22/23 09:50

Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorododecanesulfonic acid (PFDoS)	<0.92		1.9	0.92	ng/L		07/26/23 05:27	07/27/23 20:13	1
Perfluorooctanesulfonamide (FOSA)	<0.93		1.9	0.93	ng/L		07/26/23 05:27	07/27/23 20:13	1
NEtFOSA	<0.82		1.9	0.82	ng/L		07/26/23 05:27	07/27/23 20:13	1
NMeFOSA	<0.41		1.9	0.41	ng/L		07/26/23 05:27	07/27/23 20:13	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<1.1		4.7	1.1	ng/L		07/26/23 05:27	07/27/23 20:13	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<1.2		4.7	1.2	ng/L		07/26/23 05:27	07/27/23 20:13	1
NMeFOSE	<1.3		3.8	1.3	ng/L		07/26/23 05:27	07/27/23 20:13	1
NEtFOSE	<0.81		1.9	0.81	ng/L		07/26/23 05:27	07/27/23 20:13	1
4:2 FTS	<0.23		1.9	0.23	ng/L		07/26/23 05:27	07/27/23 20:13	1
6:2 FTS	<2.4		4.7	2.4	ng/L		07/26/23 05:27	07/27/23 20:13	1
8:2 FTS	<0.44		1.9	0.44	ng/L		07/26/23 05:27	07/27/23 20:13	1
DONA	<0.38		1.9	0.38	ng/L		07/26/23 05:27	07/27/23 20:13	1
HFPO-DA (GenX)	<1.4		3.8	1.4	ng/L		07/26/23 05:27	07/27/23 20:13	1
F-53B Major	<0.23		1.9	0.23	ng/L		07/26/23 05:27	07/27/23 20:13	1
F-53B Minor	<0.30		1.9	0.30	ng/L		07/26/23 05:27	07/27/23 20:13	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	52		25 - 150				07/26/23 05:27	07/27/23 20:13	1
13C5 PFPeA	68		25 - 150				07/26/23 05:27	07/27/23 20:13	1
13C2 PFHxA	79		25 - 150				07/26/23 05:27	07/27/23 20:13	1
13C4 PFHpA	85		25 - 150				07/26/23 05:27	07/27/23 20:13	1
13C4 PFOA	94		25 - 150				07/26/23 05:27	07/27/23 20:13	1
13C5 PFNA	92		25 - 150				07/26/23 05:27	07/27/23 20:13	1
13C2 PFDA	89		25 - 150				07/26/23 05:27	07/27/23 20:13	1
13C2 PFUnA	84		25 - 150				07/26/23 05:27	07/27/23 20:13	1
13C2 PFDoA	63		25 - 150				07/26/23 05:27	07/27/23 20:13	1
13C2 PFTeDA	48		25 - 150				07/26/23 05:27	07/27/23 20:13	1
13C3 PFBS	83		25 - 150				07/26/23 05:27	07/27/23 20:13	1
18O2 PFHxS	87		25 - 150				07/26/23 05:27	07/27/23 20:13	1
13C4 PFOS	87		25 - 150				07/26/23 05:27	07/27/23 20:13	1
13C8 FOSA	104		10 - 150				07/26/23 05:27	07/27/23 20:13	1
d3-NMeFOSAA	83		25 - 150				07/26/23 05:27	07/27/23 20:13	1
d5-NEtFOSAA	83		25 - 150				07/26/23 05:27	07/27/23 20:13	1
d-N-MeFOSA-M	60		10 - 150				07/26/23 05:27	07/27/23 20:13	1
d-N-EtFOSA-M	51		10 - 150				07/26/23 05:27	07/27/23 20:13	1
d7-N-MeFOSE-M	62		10 - 150				07/26/23 05:27	07/27/23 20:13	1
d9-N-EtFOSE-M	49		10 - 150				07/26/23 05:27	07/27/23 20:13	1
M2-4:2 FTS	92		25 - 150				07/26/23 05:27	07/27/23 20:13	1
M2-6:2 FTS	92		25 - 150				07/26/23 05:27	07/27/23 20:13	1
M2-8:2 FTS	91		25 - 150				07/26/23 05:27	07/27/23 20:13	1
13C3 HFPO-DA	82		25 - 150				07/26/23 05:27	07/27/23 20:13	1

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-213 DUP

Lab Sample ID: 500-237064-7

Date Collected: 07/19/23 08:50

Matrix: Water

Date Received: 07/22/23 09:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			08/01/23 14:55	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/01/23 14:55	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/01/23 14:55	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/01/23 14:55	1
Bromoform	<0.48		1.0	0.48	ug/L			08/01/23 14:55	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/01/23 14:55	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/01/23 14:55	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/01/23 14:55	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/01/23 14:55	1
Chloroform	<0.37		2.0	0.37	ug/L			08/01/23 14:55	1
Chloromethane	<0.32		5.0	0.32	ug/L			08/01/23 14:55	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/01/23 14:55	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/01/23 14:55	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			08/01/23 14:55	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/01/23 14:55	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/01/23 14:55	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/01/23 14:55	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/01/23 14:55	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/01/23 14:55	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/01/23 14:55	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/01/23 14:55	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/01/23 14:55	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/01/23 14:55	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/01/23 14:55	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/01/23 14:55	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/01/23 14:55	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/01/23 14:55	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/01/23 14:55	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/01/23 14:55	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/01/23 14:55	1
Ethylbenzene	72		0.50	0.18	ug/L			08/01/23 14:55	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/01/23 14:55	1
Isopropylbenzene	57		1.0	0.39	ug/L			08/01/23 14:55	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/01/23 14:55	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/01/23 14:55	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/01/23 14:55	1
Naphthalene	96		1.0	0.34	ug/L			08/01/23 14:55	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/01/23 14:55	1
N-Propylbenzene	76		1.0	0.41	ug/L			08/01/23 14:55	1
p-Isopropyltoluene	27		1.0	0.36	ug/L			08/01/23 14:55	1
sec-Butylbenzene	21		1.0	0.40	ug/L			08/01/23 14:55	1
Styrene	<0.39		1.0	0.39	ug/L			08/01/23 14:55	1
tert-Butylbenzene	7.7		1.0	0.40	ug/L			08/01/23 14:55	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/01/23 14:55	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/01/23 14:55	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			08/01/23 14:55	1
Toluene	<0.15		0.50	0.15	ug/L			08/01/23 14:55	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			08/01/23 14:55	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/01/23 14:55	1

Eurofins Chicago

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-213 DUP

Lab Sample ID: 500-237064-7

Date Collected: 07/19/23 08:50

Matrix: Water

Date Received: 07/22/23 09:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/01/23 14:55	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/01/23 14:55	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/01/23 14:55	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/01/23 14:55	1
Trichloroethene	<0.16		0.50	0.16	ug/L			08/01/23 14:55	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/01/23 14:55	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/01/23 14:55	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/01/23 14:55	1
Xylenes, Total	180		1.0	0.22	ug/L			08/01/23 14:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		72 - 124		08/01/23 14:55	1
Dibromofluoromethane (Surr)	109		75 - 120		08/01/23 14:55	1
1,2-Dichloroethane-d4 (Surr)	92		75 - 126		08/01/23 14:55	1
Toluene-d8 (Surr)	112		75 - 120		08/01/23 14:55	1

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	590		10	3.6	ug/L			08/01/23 15:18	10
1,3,5-Trimethylbenzene	220		10	2.5	ug/L			08/01/23 15:18	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		72 - 124		08/01/23 15:18	10
Dibromofluoromethane (Surr)	108		75 - 120		08/01/23 15:18	10
1,2-Dichloroethane-d4 (Surr)	96		75 - 126		08/01/23 15:18	10
Toluene-d8 (Surr)	108		75 - 120		08/01/23 15:18	10

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.4		4.9	2.4	ng/L		07/26/23 05:27	07/27/23 20:23	1
Perfluoropentanoic acid (PFPeA)	5.1		2.0	0.48	ng/L		07/26/23 05:27	07/27/23 20:23	1
Perfluorohexanoic acid (PFHxA)	11		2.0	0.57	ng/L		07/26/23 05:27	07/27/23 20:23	1
Perfluoroheptanoic acid (PFHpA)	27		2.0	0.25	ng/L		07/26/23 05:27	07/27/23 20:23	1
Perfluorooctanoic acid (PFOA)	360		2.0	0.84	ng/L		07/26/23 05:27	07/27/23 20:23	1
Perfluorononanoic acid (PFNA)	0.37 J		2.0	0.27	ng/L		07/26/23 05:27	07/27/23 20:23	1
Perfluorodecanoic acid (PFDA)	<0.30		2.0	0.30	ng/L		07/26/23 05:27	07/27/23 20:23	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		07/26/23 05:27	07/27/23 20:23	1
Perfluorododecanoic acid (PFDoA)	<0.54		2.0	0.54	ng/L		07/26/23 05:27	07/27/23 20:23	1
Perfluorotridecanoic acid (PFTriA)	<1.3		2.0	1.3	ng/L		07/26/23 05:27	07/27/23 20:23	1
Perfluorotetradecanoic acid (PFTeA)	<0.72		2.0	0.72	ng/L		07/26/23 05:27	07/27/23 20:23	1
Perfluorobutanesulfonic acid (PFBS)	1.0 J		2.0	0.20	ng/L		07/26/23 05:27	07/27/23 20:23	1
Perfluoropentanesulfonic acid (PFPeS)	<0.29		2.0	0.29	ng/L		07/26/23 05:27	07/27/23 20:23	1
Perfluorohexanesulfonic acid (PFHxS)	1.9 J		2.0	0.56	ng/L		07/26/23 05:27	07/27/23 20:23	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		07/26/23 05:27	07/27/23 20:23	1
Perfluorooctanesulfonic acid (PFOS)	3.9		2.0	0.53	ng/L		07/26/23 05:27	07/27/23 20:23	1
Perfluorononanesulfonic acid (PFNS)	<0.36		2.0	0.36	ng/L		07/26/23 05:27	07/27/23 20:23	1
Perfluorodecanesulfonic acid (PFDS)	<0.31		2.0	0.31	ng/L		07/26/23 05:27	07/27/23 20:23	1

Eurofins Chicago

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-213 DUP

Lab Sample ID: 500-237064-7

Date Collected: 07/19/23 08:50

Matrix: Water

Date Received: 07/22/23 09:50

Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorododecanesulfonic acid (PFDoS)	<0.95		2.0	0.95	ng/L		07/26/23 05:27	07/27/23 20:23	1
Perfluorooctanesulfonamide (FOSA)	<0.96		2.0	0.96	ng/L		07/26/23 05:27	07/27/23 20:23	1
NEtFOSA	<0.85		2.0	0.85	ng/L		07/26/23 05:27	07/27/23 20:23	1
NMeFOSA	<0.42		2.0	0.42	ng/L		07/26/23 05:27	07/27/23 20:23	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<1.2		4.9	1.2	ng/L		07/26/23 05:27	07/27/23 20:23	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<1.3		4.9	1.3	ng/L		07/26/23 05:27	07/27/23 20:23	1
NMeFOSE	<1.4		3.9	1.4	ng/L		07/26/23 05:27	07/27/23 20:23	1
NEtFOSE	<0.84		2.0	0.84	ng/L		07/26/23 05:27	07/27/23 20:23	1
4:2 FTS	<0.24		2.0	0.24	ng/L		07/26/23 05:27	07/27/23 20:23	1
6:2 FTS	<2.5		4.9	2.5	ng/L		07/26/23 05:27	07/27/23 20:23	1
8:2 FTS	<0.45		2.0	0.45	ng/L		07/26/23 05:27	07/27/23 20:23	1
DONA	<0.39		2.0	0.39	ng/L		07/26/23 05:27	07/27/23 20:23	1
HFPO-DA (GenX)	<1.5		3.9	1.5	ng/L		07/26/23 05:27	07/27/23 20:23	1
F-53B Major	<0.24		2.0	0.24	ng/L		07/26/23 05:27	07/27/23 20:23	1
F-53B Minor	<0.31		2.0	0.31	ng/L		07/26/23 05:27	07/27/23 20:23	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	52		25 - 150	07/26/23 05:27	07/27/23 20:23	1
13C5 PFPeA	72		25 - 150	07/26/23 05:27	07/27/23 20:23	1
13C2 PFHxA	81		25 - 150	07/26/23 05:27	07/27/23 20:23	1
13C4 PFHpA	83		25 - 150	07/26/23 05:27	07/27/23 20:23	1
13C4 PFOA	96		25 - 150	07/26/23 05:27	07/27/23 20:23	1
13C5 PFNA	88		25 - 150	07/26/23 05:27	07/27/23 20:23	1
13C2 PFDA	92		25 - 150	07/26/23 05:27	07/27/23 20:23	1
13C2 PFUnA	90		25 - 150	07/26/23 05:27	07/27/23 20:23	1
13C2 PFDoA	67		25 - 150	07/26/23 05:27	07/27/23 20:23	1
13C2 PFTeDA	53		25 - 150	07/26/23 05:27	07/27/23 20:23	1
13C3 PFBS	83		25 - 150	07/26/23 05:27	07/27/23 20:23	1
18O2 PFHxS	84		25 - 150	07/26/23 05:27	07/27/23 20:23	1
13C4 PFOS	86		25 - 150	07/26/23 05:27	07/27/23 20:23	1
13C8 FOSA	105		10 - 150	07/26/23 05:27	07/27/23 20:23	1
d3-NMeFOSAA	89		25 - 150	07/26/23 05:27	07/27/23 20:23	1
d5-NEtFOSAA	86		25 - 150	07/26/23 05:27	07/27/23 20:23	1
d-N-MeFOSA-M	63		10 - 150	07/26/23 05:27	07/27/23 20:23	1
d-N-EtFOSA-M	53		10 - 150	07/26/23 05:27	07/27/23 20:23	1
d7-N-MeFOSE-M	64		10 - 150	07/26/23 05:27	07/27/23 20:23	1
d9-N-EtFOSE-M	52		10 - 150	07/26/23 05:27	07/27/23 20:23	1
M2-4:2 FTS	86		25 - 150	07/26/23 05:27	07/27/23 20:23	1
M2-6:2 FTS	93		25 - 150	07/26/23 05:27	07/27/23 20:23	1
M2-8:2 FTS	86		25 - 150	07/26/23 05:27	07/27/23 20:23	1
13C3 HFPO-DA	82		25 - 150	07/26/23 05:27	07/27/23 20:23	1

Euofins Chicago

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-82

Lab Sample ID: 500-237064-8

Date Collected: 07/19/23 10:00

Matrix: Water

Date Received: 07/22/23 09:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			08/01/23 15:41	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/01/23 15:41	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/01/23 15:41	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/01/23 15:41	1
Bromoform	<0.48		1.0	0.48	ug/L			08/01/23 15:41	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/01/23 15:41	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/01/23 15:41	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/01/23 15:41	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/01/23 15:41	1
Chloroform	<0.37		2.0	0.37	ug/L			08/01/23 15:41	1
Chloromethane	<0.32		5.0	0.32	ug/L			08/01/23 15:41	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/01/23 15:41	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/01/23 15:41	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			08/01/23 15:41	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/01/23 15:41	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/01/23 15:41	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/01/23 15:41	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/01/23 15:41	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/01/23 15:41	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/01/23 15:41	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/01/23 15:41	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/01/23 15:41	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/01/23 15:41	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/01/23 15:41	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/01/23 15:41	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/01/23 15:41	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/01/23 15:41	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/01/23 15:41	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/01/23 15:41	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/01/23 15:41	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/01/23 15:41	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/01/23 15:41	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			08/01/23 15:41	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/01/23 15:41	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/01/23 15:41	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/01/23 15:41	1
Naphthalene	0.98 J		1.0	0.34	ug/L			08/01/23 15:41	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/01/23 15:41	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			08/01/23 15:41	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			08/01/23 15:41	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			08/01/23 15:41	1
Styrene	<0.39		1.0	0.39	ug/L			08/01/23 15:41	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			08/01/23 15:41	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/01/23 15:41	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/01/23 15:41	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			08/01/23 15:41	1
Toluene	<0.15		0.50	0.15	ug/L			08/01/23 15:41	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			08/01/23 15:41	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/01/23 15:41	1

Eurofins Chicago

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-82

Lab Sample ID: 500-237064-8

Date Collected: 07/19/23 10:00

Matrix: Water

Date Received: 07/22/23 09:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/01/23 15:41	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/01/23 15:41	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/01/23 15:41	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/01/23 15:41	1
Trichloroethene	0.41	J	0.50	0.16	ug/L			08/01/23 15:41	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/01/23 15:41	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/01/23 15:41	1
1,2,4-Trimethylbenzene	0.52	J	1.0	0.36	ug/L			08/01/23 15:41	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			08/01/23 15:41	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/01/23 15:41	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			08/01/23 15:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		72 - 124		08/01/23 15:41	1
Dibromofluoromethane (Surr)	111		75 - 120		08/01/23 15:41	1
1,2-Dichloroethane-d4 (Surr)	96		75 - 126		08/01/23 15:41	1
Toluene-d8 (Surr)	108		75 - 120		08/01/23 15:41	1

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: AECOM MW-19

Lab Sample ID: 500-237064-9

Date Collected: 07/19/23 11:16

Matrix: Water

Date Received: 07/22/23 09:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			08/01/23 16:04	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/01/23 16:04	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/01/23 16:04	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/01/23 16:04	1
Bromoform	<0.48		1.0	0.48	ug/L			08/01/23 16:04	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/01/23 16:04	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/01/23 16:04	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/01/23 16:04	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/01/23 16:04	1
Chloroform	<0.37		2.0	0.37	ug/L			08/01/23 16:04	1
Chloromethane	<0.32		5.0	0.32	ug/L			08/01/23 16:04	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/01/23 16:04	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/01/23 16:04	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			08/01/23 16:04	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/01/23 16:04	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/01/23 16:04	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/01/23 16:04	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/01/23 16:04	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/01/23 16:04	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/01/23 16:04	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/01/23 16:04	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/01/23 16:04	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/01/23 16:04	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/01/23 16:04	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/01/23 16:04	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/01/23 16:04	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/01/23 16:04	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/01/23 16:04	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/01/23 16:04	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/01/23 16:04	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/01/23 16:04	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/01/23 16:04	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			08/01/23 16:04	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/01/23 16:04	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/01/23 16:04	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/01/23 16:04	1
Naphthalene	0.36 J		1.0	0.34	ug/L			08/01/23 16:04	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/01/23 16:04	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			08/01/23 16:04	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			08/01/23 16:04	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			08/01/23 16:04	1
Styrene	<0.39		1.0	0.39	ug/L			08/01/23 16:04	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			08/01/23 16:04	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/01/23 16:04	1
1,1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/01/23 16:04	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			08/01/23 16:04	1
Toluene	0.16 J		0.50	0.15	ug/L			08/01/23 16:04	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			08/01/23 16:04	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/01/23 16:04	1

Eurofins Chicago

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: AECOM MW-19

Lab Sample ID: 500-237064-9

Date Collected: 07/19/23 11:16

Matrix: Water

Date Received: 07/22/23 09:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/01/23 16:04	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/01/23 16:04	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/01/23 16:04	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/01/23 16:04	1
Trichloroethene	0.84		0.50	0.16	ug/L			08/01/23 16:04	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/01/23 16:04	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/01/23 16:04	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			08/01/23 16:04	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			08/01/23 16:04	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/01/23 16:04	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			08/01/23 16:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		72 - 124		08/01/23 16:04	1
Dibromofluoromethane (Surr)	107		75 - 120		08/01/23 16:04	1
1,2-Dichloroethane-d4 (Surr)	93		75 - 126		08/01/23 16:04	1
Toluene-d8 (Surr)	107		75 - 120		08/01/23 16:04	1

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: PZ-214

Lab Sample ID: 500-237064-10

Date Collected: 07/19/23 12:29

Matrix: Water

Date Received: 07/22/23 09:50

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.3		4.7	2.3	ng/L		07/26/23 05:27	07/27/23 20:33	1
Perfluoropentanoic acid (PFPeA)	<0.46		1.9	0.46	ng/L		07/26/23 05:27	07/27/23 20:33	1
Perfluorohexanoic acid (PFHxA)	1.2	J	1.9	0.55	ng/L		07/26/23 05:27	07/27/23 20:33	1
Perfluoroheptanoic acid (PFHpA)	2.3		1.9	0.24	ng/L		07/26/23 05:27	07/27/23 20:33	1
Perfluorooctanoic acid (PFOA)	43		1.9	0.81	ng/L		07/26/23 05:27	07/27/23 20:33	1
Perfluorononanoic acid (PFNA)	0.37	J	1.9	0.26	ng/L		07/26/23 05:27	07/27/23 20:33	1
Perfluorodecanoic acid (PFDA)	0.37	J	1.9	0.29	ng/L		07/26/23 05:27	07/27/23 20:33	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		07/26/23 05:27	07/27/23 20:33	1
Perfluorododecanoic acid (PFDoA)	<0.52		1.9	0.52	ng/L		07/26/23 05:27	07/27/23 20:33	1
Perfluorotridecanoic acid (PFTriA)	<1.2		1.9	1.2	ng/L		07/26/23 05:27	07/27/23 20:33	1
Perfluorotetradecanoic acid (PFTeA)	<0.69		1.9	0.69	ng/L		07/26/23 05:27	07/27/23 20:33	1
Perfluorobutanesulfonic acid (PFBS)	<0.19		1.9	0.19	ng/L		07/26/23 05:27	07/27/23 20:33	1
Perfluoropentanesulfonic acid (PFPeS)	<0.28		1.9	0.28	ng/L		07/26/23 05:27	07/27/23 20:33	1
Perfluorohexanesulfonic acid (PFHxS)	<0.54		1.9	0.54	ng/L		07/26/23 05:27	07/27/23 20:33	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.18		1.9	0.18	ng/L		07/26/23 05:27	07/27/23 20:33	1
Perfluorooctanesulfonic acid (PFOS)	0.61	J	1.9	0.51	ng/L		07/26/23 05:27	07/27/23 20:33	1
Perfluoronanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		07/26/23 05:27	07/27/23 20:33	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		07/26/23 05:27	07/27/23 20:33	1
Perfluorododecanesulfonic acid (PFDoS)	<0.92		1.9	0.92	ng/L		07/26/23 05:27	07/27/23 20:33	1
Perfluorooctanesulfonamide (FOSA)	<0.93		1.9	0.93	ng/L		07/26/23 05:27	07/27/23 20:33	1
NEtFOSA	<0.83		1.9	0.83	ng/L		07/26/23 05:27	07/27/23 20:33	1
NMeFOSA	<0.41		1.9	0.41	ng/L		07/26/23 05:27	07/27/23 20:33	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<1.1		4.7	1.1	ng/L		07/26/23 05:27	07/27/23 20:33	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<1.2		4.7	1.2	ng/L		07/26/23 05:27	07/27/23 20:33	1
NMeFOSE	<1.3		3.8	1.3	ng/L		07/26/23 05:27	07/27/23 20:33	1
NEtFOSE	<0.81		1.9	0.81	ng/L		07/26/23 05:27	07/27/23 20:33	1
4:2 FTS	<0.23		1.9	0.23	ng/L		07/26/23 05:27	07/27/23 20:33	1
6:2 FTS	<2.4		4.7	2.4	ng/L		07/26/23 05:27	07/27/23 20:33	1
8:2 FTS	<0.44		1.9	0.44	ng/L		07/26/23 05:27	07/27/23 20:33	1
DONA	<0.38		1.9	0.38	ng/L		07/26/23 05:27	07/27/23 20:33	1
HFPO-DA (GenX)	<1.4		3.8	1.4	ng/L		07/26/23 05:27	07/27/23 20:33	1
F-53B Major	<0.23		1.9	0.23	ng/L		07/26/23 05:27	07/27/23 20:33	1
F-53B Minor	<0.30		1.9	0.30	ng/L		07/26/23 05:27	07/27/23 20:33	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	73		25 - 150				07/26/23 05:27	07/27/23 20:33	1
13C5 PFPeA	94		25 - 150				07/26/23 05:27	07/27/23 20:33	1
13C2 PFHxA	96		25 - 150				07/26/23 05:27	07/27/23 20:33	1
13C4 PFHpA	101		25 - 150				07/26/23 05:27	07/27/23 20:33	1
13C4 PFOA	103		25 - 150				07/26/23 05:27	07/27/23 20:33	1
13C5 PFNA	105		25 - 150				07/26/23 05:27	07/27/23 20:33	1
13C2 PFDA	103		25 - 150				07/26/23 05:27	07/27/23 20:33	1
13C2 PFUnA	107		25 - 150				07/26/23 05:27	07/27/23 20:33	1
13C2 PFDoA	97		25 - 150				07/26/23 05:27	07/27/23 20:33	1
13C2 PFTeDA	97		25 - 150				07/26/23 05:27	07/27/23 20:33	1
13C3 PFBS	95		25 - 150				07/26/23 05:27	07/27/23 20:33	1

Eurofins Chicago

Client Sample Results

Client: Ramboll US Corporation
Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: PZ-214
Date Collected: 07/19/23 12:29
Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-10
Matrix: Water

Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
18O2 PFHxS	96		25 - 150	07/26/23 05:27	07/27/23 20:33	1
13C4 PFOS	100		25 - 150	07/26/23 05:27	07/27/23 20:33	1
13C8 FOSA	124		10 - 150	07/26/23 05:27	07/27/23 20:33	1
d3-NMeFOSAA	110		25 - 150	07/26/23 05:27	07/27/23 20:33	1
d5-NEtFOSAA	109		25 - 150	07/26/23 05:27	07/27/23 20:33	1
d-N-MeFOSA-M	101		10 - 150	07/26/23 05:27	07/27/23 20:33	1
d-N-EtFOSA-M	94		10 - 150	07/26/23 05:27	07/27/23 20:33	1
d7-N-MeFOSE-M	104		10 - 150	07/26/23 05:27	07/27/23 20:33	1
d9-N-EtFOSE-M	98		10 - 150	07/26/23 05:27	07/27/23 20:33	1
M2-4:2 FTS	86		25 - 150	07/26/23 05:27	07/27/23 20:33	1
M2-6:2 FTS	83		25 - 150	07/26/23 05:27	07/27/23 20:33	1
M2-8:2 FTS	84		25 - 150	07/26/23 05:27	07/27/23 20:33	1
13C3 HFPO-DA	99		25 - 150	07/26/23 05:27	07/27/23 20:33	1

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-17

Lab Sample ID: 500-237064-11

Date Collected: 07/19/23 13:23

Matrix: Water

Date Received: 07/22/23 09:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			08/01/23 16:26	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/01/23 16:26	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/01/23 16:26	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/01/23 16:26	1
Bromoform	<0.48		1.0	0.48	ug/L			08/01/23 16:26	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/01/23 16:26	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/01/23 16:26	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/01/23 16:26	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/01/23 16:26	1
Chloroform	<0.37		2.0	0.37	ug/L			08/01/23 16:26	1
Chloromethane	<0.32		5.0	0.32	ug/L			08/01/23 16:26	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/01/23 16:26	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/01/23 16:26	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			08/01/23 16:26	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/01/23 16:26	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/01/23 16:26	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/01/23 16:26	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/01/23 16:26	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/01/23 16:26	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/01/23 16:26	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/01/23 16:26	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/01/23 16:26	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/01/23 16:26	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/01/23 16:26	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/01/23 16:26	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/01/23 16:26	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/01/23 16:26	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/01/23 16:26	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/01/23 16:26	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/01/23 16:26	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/01/23 16:26	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/01/23 16:26	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			08/01/23 16:26	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/01/23 16:26	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/01/23 16:26	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/01/23 16:26	1
Naphthalene	<0.34		1.0	0.34	ug/L			08/01/23 16:26	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/01/23 16:26	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			08/01/23 16:26	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			08/01/23 16:26	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			08/01/23 16:26	1
Styrene	<0.39		1.0	0.39	ug/L			08/01/23 16:26	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			08/01/23 16:26	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/01/23 16:26	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/01/23 16:26	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			08/01/23 16:26	1
Toluene	<0.15		0.50	0.15	ug/L			08/01/23 16:26	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			08/01/23 16:26	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/01/23 16:26	1

Eurofins Chicago

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-17

Lab Sample ID: 500-237064-11

Date Collected: 07/19/23 13:23

Matrix: Water

Date Received: 07/22/23 09:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/01/23 16:26	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/01/23 16:26	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/01/23 16:26	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/01/23 16:26	1
Trichloroethene	5.8		0.50	0.16	ug/L			08/01/23 16:26	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/01/23 16:26	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/01/23 16:26	1
1,2,4-Trimethylbenzene	0.64 J		1.0	0.36	ug/L			08/01/23 16:26	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			08/01/23 16:26	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/01/23 16:26	1
Xylenes, Total	0.25 J		1.0	0.22	ug/L			08/01/23 16:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		72 - 124		08/01/23 16:26	1
Dibromofluoromethane (Surr)	112		75 - 120		08/01/23 16:26	1
1,2-Dichloroethane-d4 (Surr)	95		75 - 126		08/01/23 16:26	1
Toluene-d8 (Surr)	109		75 - 120		08/01/23 16:26	1

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-37

Lab Sample ID: 500-237064-12

Date Collected: 07/19/23 14:05

Matrix: Water

Date Received: 07/22/23 09:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			08/01/23 16:49	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/01/23 16:49	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/01/23 16:49	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/01/23 16:49	1
Bromoform	<0.48		1.0	0.48	ug/L			08/01/23 16:49	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/01/23 16:49	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/01/23 16:49	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/01/23 16:49	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/01/23 16:49	1
Chloroform	<0.37		2.0	0.37	ug/L			08/01/23 16:49	1
Chloromethane	<0.32		5.0	0.32	ug/L			08/01/23 16:49	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/01/23 16:49	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/01/23 16:49	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			08/01/23 16:49	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/01/23 16:49	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/01/23 16:49	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/01/23 16:49	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/01/23 16:49	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/01/23 16:49	1
1,2-Dichlorobenzene	4.5		1.0	0.33	ug/L			08/01/23 16:49	1
1,3-Dichlorobenzene	1.4		1.0	0.40	ug/L			08/01/23 16:49	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/01/23 16:49	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/01/23 16:49	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/01/23 16:49	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/01/23 16:49	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/01/23 16:49	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/01/23 16:49	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/01/23 16:49	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/01/23 16:49	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/01/23 16:49	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/01/23 16:49	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/01/23 16:49	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			08/01/23 16:49	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/01/23 16:49	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/01/23 16:49	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/01/23 16:49	1
Naphthalene	<0.34		1.0	0.34	ug/L			08/01/23 16:49	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/01/23 16:49	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			08/01/23 16:49	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			08/01/23 16:49	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			08/01/23 16:49	1
Styrene	<0.39		1.0	0.39	ug/L			08/01/23 16:49	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			08/01/23 16:49	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/01/23 16:49	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/01/23 16:49	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			08/01/23 16:49	1
Toluene	<0.15		0.50	0.15	ug/L			08/01/23 16:49	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			08/01/23 16:49	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/01/23 16:49	1

Euofins Chicago

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-37

Lab Sample ID: 500-237064-12

Date Collected: 07/19/23 14:05

Matrix: Water

Date Received: 07/22/23 09:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	21		1.0	0.46	ug/L			08/01/23 16:49	1
1,2,4-Trichlorobenzene	42		1.0	0.34	ug/L			08/01/23 16:49	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/01/23 16:49	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/01/23 16:49	1
Trichloroethene	11		0.50	0.16	ug/L			08/01/23 16:49	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/01/23 16:49	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/01/23 16:49	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			08/01/23 16:49	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			08/01/23 16:49	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/01/23 16:49	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			08/01/23 16:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		72 - 124		08/01/23 16:49	1
Dibromofluoromethane (Surr)	110		75 - 120		08/01/23 16:49	1
1,2-Dichloroethane-d4 (Surr)	96		75 - 126		08/01/23 16:49	1
Toluene-d8 (Surr)	108		75 - 120		08/01/23 16:49	1

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-19

Lab Sample ID: 500-237064-13

Date Collected: 07/19/23 15:00

Matrix: Water

Date Received: 07/22/23 09:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			08/01/23 17:12	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/01/23 17:12	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/01/23 17:12	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/01/23 17:12	1
Bromoform	<0.48		1.0	0.48	ug/L			08/01/23 17:12	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/01/23 17:12	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/01/23 17:12	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/01/23 17:12	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/01/23 17:12	1
Chloroform	<0.37		2.0	0.37	ug/L			08/01/23 17:12	1
Chloromethane	<0.32		5.0	0.32	ug/L			08/01/23 17:12	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/01/23 17:12	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/01/23 17:12	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			08/01/23 17:12	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/01/23 17:12	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/01/23 17:12	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/01/23 17:12	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/01/23 17:12	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/01/23 17:12	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/01/23 17:12	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/01/23 17:12	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/01/23 17:12	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/01/23 17:12	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/01/23 17:12	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/01/23 17:12	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/01/23 17:12	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/01/23 17:12	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/01/23 17:12	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/01/23 17:12	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/01/23 17:12	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/01/23 17:12	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/01/23 17:12	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			08/01/23 17:12	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/01/23 17:12	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/01/23 17:12	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/01/23 17:12	1
Naphthalene	<0.34		1.0	0.34	ug/L			08/01/23 17:12	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/01/23 17:12	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			08/01/23 17:12	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			08/01/23 17:12	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			08/01/23 17:12	1
Styrene	<0.39		1.0	0.39	ug/L			08/01/23 17:12	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			08/01/23 17:12	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/01/23 17:12	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/01/23 17:12	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			08/01/23 17:12	1
Toluene	<0.15		0.50	0.15	ug/L			08/01/23 17:12	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			08/01/23 17:12	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/01/23 17:12	1

Eurofins Chicago

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-19

Lab Sample ID: 500-237064-13

Date Collected: 07/19/23 15:00

Matrix: Water

Date Received: 07/22/23 09:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/01/23 17:12	1
1,2,4-Trichlorobenzene	0.62	J	1.0	0.34	ug/L			08/01/23 17:12	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/01/23 17:12	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/01/23 17:12	1
Trichloroethene	6.1		0.50	0.16	ug/L			08/01/23 17:12	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/01/23 17:12	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/01/23 17:12	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			08/01/23 17:12	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			08/01/23 17:12	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/01/23 17:12	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			08/01/23 17:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		72 - 124		08/01/23 17:12	1
Dibromofluoromethane (Surr)	110		75 - 120		08/01/23 17:12	1
1,2-Dichloroethane-d4 (Surr)	97		75 - 126		08/01/23 17:12	1
Toluene-d8 (Surr)	108		75 - 120		08/01/23 17:12	1

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: EB-03
Date Collected: 07/19/23 15:20
Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-14
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			08/01/23 17:35	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/01/23 17:35	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/01/23 17:35	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/01/23 17:35	1
Bromoform	<0.48		1.0	0.48	ug/L			08/01/23 17:35	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/01/23 17:35	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/01/23 17:35	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/01/23 17:35	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/01/23 17:35	1
Chloroform	<0.37		2.0	0.37	ug/L			08/01/23 17:35	1
Chloromethane	<0.32		5.0	0.32	ug/L			08/01/23 17:35	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/01/23 17:35	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/01/23 17:35	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			08/01/23 17:35	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/01/23 17:35	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/01/23 17:35	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/01/23 17:35	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/01/23 17:35	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/01/23 17:35	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/01/23 17:35	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/01/23 17:35	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/01/23 17:35	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/01/23 17:35	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/01/23 17:35	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/01/23 17:35	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/01/23 17:35	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/01/23 17:35	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/01/23 17:35	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/01/23 17:35	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/01/23 17:35	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/01/23 17:35	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/01/23 17:35	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			08/01/23 17:35	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/01/23 17:35	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/01/23 17:35	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/01/23 17:35	1
Naphthalene	<0.34		1.0	0.34	ug/L			08/01/23 17:35	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/01/23 17:35	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			08/01/23 17:35	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			08/01/23 17:35	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			08/01/23 17:35	1
Styrene	<0.39		1.0	0.39	ug/L			08/01/23 17:35	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			08/01/23 17:35	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/01/23 17:35	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/01/23 17:35	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			08/01/23 17:35	1
Toluene	0.30 J		0.50	0.15	ug/L			08/01/23 17:35	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			08/01/23 17:35	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/01/23 17:35	1

Eurofins Chicago

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: EB-03
Date Collected: 07/19/23 15:20
Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-14
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/01/23 17:35	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/01/23 17:35	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/01/23 17:35	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/01/23 17:35	1
Trichloroethene	<0.16		0.50	0.16	ug/L			08/01/23 17:35	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/01/23 17:35	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/01/23 17:35	1
1,2,4-Trimethylbenzene	0.46	J	1.0	0.36	ug/L			08/01/23 17:35	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			08/01/23 17:35	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/01/23 17:35	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			08/01/23 17:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		72 - 124		08/01/23 17:35	1
Dibromofluoromethane (Surr)	112		75 - 120		08/01/23 17:35	1
1,2-Dichloroethane-d4 (Surr)	99		75 - 126		08/01/23 17:35	1
Toluene-d8 (Surr)	110		75 - 120		08/01/23 17:35	1

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.3		4.8	2.3	ng/L		07/26/23 05:27	07/27/23 21:04	1
Perfluoropentanoic acid (PFPeA)	<0.47		1.9	0.47	ng/L		07/26/23 05:27	07/27/23 21:04	1
Perfluorohexanoic acid (PFHxA)	<0.55		1.9	0.55	ng/L		07/26/23 05:27	07/27/23 21:04	1
Perfluoroheptanoic acid (PFHpA)	<0.24		1.9	0.24	ng/L		07/26/23 05:27	07/27/23 21:04	1
Perfluorooctanoic acid (PFOA)	<0.81		1.9	0.81	ng/L		07/26/23 05:27	07/27/23 21:04	1
Perfluorononanoic acid (PFNA)	<0.26		1.9	0.26	ng/L		07/26/23 05:27	07/27/23 21:04	1
Perfluorodecanoic acid (PFDA)	<0.30		1.9	0.30	ng/L		07/26/23 05:27	07/27/23 21:04	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		07/26/23 05:27	07/27/23 21:04	1
Perfluorododecanoic acid (PFDoA)	<0.52		1.9	0.52	ng/L		07/26/23 05:27	07/27/23 21:04	1
Perfluorotridecanoic acid (PFTriA)	<1.2		1.9	1.2	ng/L		07/26/23 05:27	07/27/23 21:04	1
Perfluorotetradecanoic acid (PFTeA)	<0.70		1.9	0.70	ng/L		07/26/23 05:27	07/27/23 21:04	1
Perfluorobutanesulfonic acid (PFBS)	<0.19		1.9	0.19	ng/L		07/26/23 05:27	07/27/23 21:04	1
Perfluoropentanesulfonic acid (PFPeS)	<0.29		1.9	0.29	ng/L		07/26/23 05:27	07/27/23 21:04	1
Perfluorohexanesulfonic acid (PFHxS)	<0.54		1.9	0.54	ng/L		07/26/23 05:27	07/27/23 21:04	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.18		1.9	0.18	ng/L		07/26/23 05:27	07/27/23 21:04	1
Perfluorooctanesulfonic acid (PFOS)	<0.51		1.9	0.51	ng/L		07/26/23 05:27	07/27/23 21:04	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		07/26/23 05:27	07/27/23 21:04	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		07/26/23 05:27	07/27/23 21:04	1
Perfluorododecanesulfonic acid (PFDoS)	<0.92		1.9	0.92	ng/L		07/26/23 05:27	07/27/23 21:04	1
Perfluorooctanesulfonamide (FOSA)	<0.93		1.9	0.93	ng/L		07/26/23 05:27	07/27/23 21:04	1
NEtFOSA	<0.83		1.9	0.83	ng/L		07/26/23 05:27	07/27/23 21:04	1
NMeFOSA	<0.41		1.9	0.41	ng/L		07/26/23 05:27	07/27/23 21:04	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<1.1		4.8	1.1	ng/L		07/26/23 05:27	07/27/23 21:04	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<1.2		4.8	1.2	ng/L		07/26/23 05:27	07/27/23 21:04	1
NMeFOSE	<1.3		3.8	1.3	ng/L		07/26/23 05:27	07/27/23 21:04	1
NEtFOSE	<0.81		1.9	0.81	ng/L		07/26/23 05:27	07/27/23 21:04	1

Eurofins Chicago

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: EB-03
Date Collected: 07/19/23 15:20
Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-14
Matrix: Water

Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4:2 FTS	<0.23		1.9	0.23	ng/L		07/26/23 05:27	07/27/23 21:04	1
6:2 FTS	<2.4		4.8	2.4	ng/L		07/26/23 05:27	07/27/23 21:04	1
8:2 FTS	<0.44		1.9	0.44	ng/L		07/26/23 05:27	07/27/23 21:04	1
DONA	<0.38		1.9	0.38	ng/L		07/26/23 05:27	07/27/23 21:04	1
HFPO-DA (GenX)	<1.4		3.8	1.4	ng/L		07/26/23 05:27	07/27/23 21:04	1
F-53B Major	<0.23		1.9	0.23	ng/L		07/26/23 05:27	07/27/23 21:04	1
F-53B Minor	<0.30		1.9	0.30	ng/L		07/26/23 05:27	07/27/23 21:04	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	98		25 - 150				07/26/23 05:27	07/27/23 21:04	1
13C5 PFPeA	101		25 - 150				07/26/23 05:27	07/27/23 21:04	1
13C2 PFHxA	96		25 - 150				07/26/23 05:27	07/27/23 21:04	1
13C4 PFHpA	99		25 - 150				07/26/23 05:27	07/27/23 21:04	1
13C4 PFOA	103		25 - 150				07/26/23 05:27	07/27/23 21:04	1
13C5 PFNA	102		25 - 150				07/26/23 05:27	07/27/23 21:04	1
13C2 PFDA	104		25 - 150				07/26/23 05:27	07/27/23 21:04	1
13C2 PFUnA	107		25 - 150				07/26/23 05:27	07/27/23 21:04	1
13C2 PFDoA	105		25 - 150				07/26/23 05:27	07/27/23 21:04	1
13C2 PFTeDA	105		25 - 150				07/26/23 05:27	07/27/23 21:04	1
13C3 PFBS	100		25 - 150				07/26/23 05:27	07/27/23 21:04	1
18O2 PFHxS	100		25 - 150				07/26/23 05:27	07/27/23 21:04	1
13C4 PFOS	101		25 - 150				07/26/23 05:27	07/27/23 21:04	1
13C8 FOSA	121		10 - 150				07/26/23 05:27	07/27/23 21:04	1
d3-NMeFOSAA	116		25 - 150				07/26/23 05:27	07/27/23 21:04	1
d5-NEtFOSAA	121		25 - 150				07/26/23 05:27	07/27/23 21:04	1
d-N-MeFOSA-M	96		10 - 150				07/26/23 05:27	07/27/23 21:04	1
d-N-EtFOSA-M	99		10 - 150				07/26/23 05:27	07/27/23 21:04	1
d7-N-MeFOSE-M	119		10 - 150				07/26/23 05:27	07/27/23 21:04	1
d9-N-EtFOSE-M	112		10 - 150				07/26/23 05:27	07/27/23 21:04	1
M2-4:2 FTS	87		25 - 150				07/26/23 05:27	07/27/23 21:04	1
M2-6:2 FTS	81		25 - 150				07/26/23 05:27	07/27/23 21:04	1
M2-8:2 FTS	81		25 - 150				07/26/23 05:27	07/27/23 21:04	1
13C3 HFPO-DA	98		25 - 150				07/26/23 05:27	07/27/23 21:04	1

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: FB-03
Date Collected: 07/19/23 15:25
Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-15
Matrix: Water

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.5		5.2	2.5	ng/L		07/26/23 05:27	07/27/23 21:14	1
Perfluoropentanoic acid (PFPeA)	<0.51		2.1	0.51	ng/L		07/26/23 05:27	07/27/23 21:14	1
Perfluorohexanoic acid (PFHxA)	<0.60		2.1	0.60	ng/L		07/26/23 05:27	07/27/23 21:14	1
Perfluoroheptanoic acid (PFHpA)	<0.26		2.1	0.26	ng/L		07/26/23 05:27	07/27/23 21:14	1
Perfluorooctanoic acid (PFOA)	<0.88		2.1	0.88	ng/L		07/26/23 05:27	07/27/23 21:14	1
Perfluorononanoic acid (PFNA)	<0.28		2.1	0.28	ng/L		07/26/23 05:27	07/27/23 21:14	1
Perfluorodecanoic acid (PFDA)	<0.32		2.1	0.32	ng/L		07/26/23 05:27	07/27/23 21:14	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.1	1.1	ng/L		07/26/23 05:27	07/27/23 21:14	1
Perfluorododecanoic acid (PFDoA)	<0.57		2.1	0.57	ng/L		07/26/23 05:27	07/27/23 21:14	1
Perfluorotridecanoic acid (PFTriA)	<1.4		2.1	1.4	ng/L		07/26/23 05:27	07/27/23 21:14	1
Perfluorotetradecanoic acid (PFTeA)	<0.76		2.1	0.76	ng/L		07/26/23 05:27	07/27/23 21:14	1
Perfluorobutanesulfonic acid (PFBS)	<0.21		2.1	0.21	ng/L		07/26/23 05:27	07/27/23 21:14	1
Perfluoropentanesulfonic acid (PFPeS)	<0.31		2.1	0.31	ng/L		07/26/23 05:27	07/27/23 21:14	1
Perfluorohexanesulfonic acid (PFHxS)	<0.59		2.1	0.59	ng/L		07/26/23 05:27	07/27/23 21:14	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.20		2.1	0.20	ng/L		07/26/23 05:27	07/27/23 21:14	1
Perfluorooctanesulfonic acid (PFOS)	<0.56		2.1	0.56	ng/L		07/26/23 05:27	07/27/23 21:14	1
Perfluorononanesulfonic acid (PFNS)	<0.38		2.1	0.38	ng/L		07/26/23 05:27	07/27/23 21:14	1
Perfluorodecanesulfonic acid (PFDS)	<0.33		2.1	0.33	ng/L		07/26/23 05:27	07/27/23 21:14	1
Perfluorododecanesulfonic acid (PFDoS)	<1.0		2.1	1.0	ng/L		07/26/23 05:27	07/27/23 21:14	1
Perfluorooctanesulfonamide (FOSA)	<1.0		2.1	1.0	ng/L		07/26/23 05:27	07/27/23 21:14	1
NEtFOSA	<0.90		2.1	0.90	ng/L		07/26/23 05:27	07/27/23 21:14	1
NMeFOSA	<0.45		2.1	0.45	ng/L		07/26/23 05:27	07/27/23 21:14	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<1.2		5.2	1.2	ng/L		07/26/23 05:27	07/27/23 21:14	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<1.4		5.2	1.4	ng/L		07/26/23 05:27	07/27/23 21:14	1
NMeFOSE	<1.5		4.2	1.5	ng/L		07/26/23 05:27	07/27/23 21:14	1
NEtFOSE	<0.88		2.1	0.88	ng/L		07/26/23 05:27	07/27/23 21:14	1
4:2 FTS	<0.25		2.1	0.25	ng/L		07/26/23 05:27	07/27/23 21:14	1
6:2 FTS	<2.6		5.2	2.6	ng/L		07/26/23 05:27	07/27/23 21:14	1
8:2 FTS	<0.48		2.1	0.48	ng/L		07/26/23 05:27	07/27/23 21:14	1
DONA	<0.42		2.1	0.42	ng/L		07/26/23 05:27	07/27/23 21:14	1
HFPO-DA (GenX)	<1.6		4.2	1.6	ng/L		07/26/23 05:27	07/27/23 21:14	1
F-53B Major	<0.25		2.1	0.25	ng/L		07/26/23 05:27	07/27/23 21:14	1
F-53B Minor	<0.33		2.1	0.33	ng/L		07/26/23 05:27	07/27/23 21:14	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	103		25 - 150	07/26/23 05:27	07/27/23 21:14	1
13C5 PFPeA	103		25 - 150	07/26/23 05:27	07/27/23 21:14	1
13C2 PFHxA	100		25 - 150	07/26/23 05:27	07/27/23 21:14	1
13C4 PFHpA	104		25 - 150	07/26/23 05:27	07/27/23 21:14	1
13C4 PFOA	101		25 - 150	07/26/23 05:27	07/27/23 21:14	1
13C5 PFNA	106		25 - 150	07/26/23 05:27	07/27/23 21:14	1
13C2 PFDA	110		25 - 150	07/26/23 05:27	07/27/23 21:14	1
13C2 PFUnA	114		25 - 150	07/26/23 05:27	07/27/23 21:14	1
13C2 PFDoA	105		25 - 150	07/26/23 05:27	07/27/23 21:14	1
13C2 PFTeDA	103		25 - 150	07/26/23 05:27	07/27/23 21:14	1
13C3 PFBS	99		25 - 150	07/26/23 05:27	07/27/23 21:14	1

Eurofins Chicago

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: FB-03
Date Collected: 07/19/23 15:25
Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-15
Matrix: Water

Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
18O2 PFHxS	104		25 - 150	07/26/23 05:27	07/27/23 21:14	1
13C4 PFOS	105		25 - 150	07/26/23 05:27	07/27/23 21:14	1
13C8 FOSA	122		10 - 150	07/26/23 05:27	07/27/23 21:14	1
d3-NMeFOSAA	126		25 - 150	07/26/23 05:27	07/27/23 21:14	1
d5-NEtFOSAA	124		25 - 150	07/26/23 05:27	07/27/23 21:14	1
d-N-MeFOSA-M	86		10 - 150	07/26/23 05:27	07/27/23 21:14	1
d-N-EtFOSA-M	86		10 - 150	07/26/23 05:27	07/27/23 21:14	1
d7-N-MeFOSE-M	115		10 - 150	07/26/23 05:27	07/27/23 21:14	1
d9-N-EtFOSE-M	107		10 - 150	07/26/23 05:27	07/27/23 21:14	1
M2-4:2 FTS	88		25 - 150	07/26/23 05:27	07/27/23 21:14	1
M2-6:2 FTS	90		25 - 150	07/26/23 05:27	07/27/23 21:14	1
M2-8:2 FTS	89		25 - 150	07/26/23 05:27	07/27/23 21:14	1
13C3 HFPO-DA	98		25 - 150	07/26/23 05:27	07/27/23 21:14	1

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-48

Lab Sample ID: 500-237064-16

Date Collected: 07/20/23 08:00

Matrix: Water

Date Received: 07/22/23 09:50

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	6.9		5.2	2.5	ng/L		07/26/23 05:27	07/27/23 21:24	1
Perfluoropentanoic acid (PFPeA)	2.4		2.1	0.51	ng/L		07/26/23 05:27	07/27/23 21:24	1
Perfluorohexanoic acid (PFHxA)	10		2.1	0.60	ng/L		07/26/23 05:27	07/27/23 21:24	1
Perfluoroheptanoic acid (PFHpA)	35		2.1	0.26	ng/L		07/26/23 05:27	07/27/23 21:24	1
Perfluorononanoic acid (PFNA)	1.9	J	2.1	0.28	ng/L		07/26/23 05:27	07/27/23 21:24	1
Perfluorodecanoic acid (PFDA)	0.37	J	2.1	0.32	ng/L		07/26/23 05:27	07/27/23 21:24	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.1	1.1	ng/L		07/26/23 05:27	07/27/23 21:24	1
Perfluorododecanoic acid (PFDoA)	<0.57		2.1	0.57	ng/L		07/26/23 05:27	07/27/23 21:24	1
Perfluorotridecanoic acid (PFTriA)	<1.3		2.1	1.3	ng/L		07/26/23 05:27	07/27/23 21:24	1
Perfluorotetradecanoic acid (PFTeA)	<0.76		2.1	0.76	ng/L		07/26/23 05:27	07/27/23 21:24	1
Perfluorobutanesulfonic acid (PFBS)	1.3	J	2.1	0.21	ng/L		07/26/23 05:27	07/27/23 21:24	1
Perfluoropentanesulfonic acid (PFPeS)	<0.31		2.1	0.31	ng/L		07/26/23 05:27	07/27/23 21:24	1
Perfluorohexanesulfonic acid (PFHxS)	1.5	J	2.1	0.59	ng/L		07/26/23 05:27	07/27/23 21:24	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.20		2.1	0.20	ng/L		07/26/23 05:27	07/27/23 21:24	1
Perfluorooctanesulfonic acid (PFOS)	9.6		2.1	0.56	ng/L		07/26/23 05:27	07/27/23 21:24	1
Perfluorononanesulfonic acid (PFNS)	<0.38		2.1	0.38	ng/L		07/26/23 05:27	07/27/23 21:24	1
Perfluorodecanesulfonic acid (PFDS)	<0.33		2.1	0.33	ng/L		07/26/23 05:27	07/27/23 21:24	1
Perfluorododecanesulfonic acid (PFDoS)	<1.0		2.1	1.0	ng/L		07/26/23 05:27	07/27/23 21:24	1
Perfluorooctanesulfonamide (FOSA)	<1.0		2.1	1.0	ng/L		07/26/23 05:27	07/27/23 21:24	1
NEtFOSA	<0.90		2.1	0.90	ng/L		07/26/23 05:27	07/27/23 21:24	1
NMeFOSA	<0.44		2.1	0.44	ng/L		07/26/23 05:27	07/27/23 21:24	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<1.2		5.2	1.2	ng/L		07/26/23 05:27	07/27/23 21:24	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<1.3		5.2	1.3	ng/L		07/26/23 05:27	07/27/23 21:24	1
NMeFOSE	<1.4		4.1	1.4	ng/L		07/26/23 05:27	07/27/23 21:24	1
NEtFOSE	<0.88		2.1	0.88	ng/L		07/26/23 05:27	07/27/23 21:24	1
4:2 FTS	<0.25		2.1	0.25	ng/L		07/26/23 05:27	07/27/23 21:24	1
6:2 FTS	<2.6		5.2	2.6	ng/L		07/26/23 05:27	07/27/23 21:24	1
8:2 FTS	<0.48		2.1	0.48	ng/L		07/26/23 05:27	07/27/23 21:24	1
DONA	<0.41		2.1	0.41	ng/L		07/26/23 05:27	07/27/23 21:24	1
HFPO-DA (GenX)	<1.6		4.1	1.6	ng/L		07/26/23 05:27	07/27/23 21:24	1
F-53B Major	<0.25		2.1	0.25	ng/L		07/26/23 05:27	07/27/23 21:24	1
F-53B Minor	<0.33		2.1	0.33	ng/L		07/26/23 05:27	07/27/23 21:24	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	66		25 - 150	07/26/23 05:27	07/27/23 21:24	1
13C5 PFPeA	81		25 - 150	07/26/23 05:27	07/27/23 21:24	1
13C2 PFHxA	89		25 - 150	07/26/23 05:27	07/27/23 21:24	1
13C4 PFHpA	89		25 - 150	07/26/23 05:27	07/27/23 21:24	1
13C4 PFOA	98		25 - 150	07/26/23 05:27	07/27/23 21:24	1
13C5 PFNA	92		25 - 150	07/26/23 05:27	07/27/23 21:24	1
13C2 PFDA	91		25 - 150	07/26/23 05:27	07/27/23 21:24	1
13C2 PFUnA	84		25 - 150	07/26/23 05:27	07/27/23 21:24	1
13C2 PFDoA	69		25 - 150	07/26/23 05:27	07/27/23 21:24	1
13C2 PFTeDA	68		25 - 150	07/26/23 05:27	07/27/23 21:24	1

Eurofins Chicago

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-48

Lab Sample ID: 500-237064-16

Date Collected: 07/20/23 08:00

Matrix: Water

Date Received: 07/22/23 09:50

Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C3 PFBS	87		25 - 150	07/26/23 05:27	07/27/23 21:24	1
18O2 PFHxS	91		25 - 150	07/26/23 05:27	07/27/23 21:24	1
13C4 PFOS	89		25 - 150	07/26/23 05:27	07/27/23 21:24	1
13C8 FOSA	110		10 - 150	07/26/23 05:27	07/27/23 21:24	1
d3-NMeFOSAA	92		25 - 150	07/26/23 05:27	07/27/23 21:24	1
d5-NEtFOSAA	87		25 - 150	07/26/23 05:27	07/27/23 21:24	1
d-N-MeFOSA-M	73		10 - 150	07/26/23 05:27	07/27/23 21:24	1
d-N-EtFOSA-M	70		10 - 150	07/26/23 05:27	07/27/23 21:24	1
d7-N-MeFOSE-M	75		10 - 150	07/26/23 05:27	07/27/23 21:24	1
d9-N-EtFOSE-M	68		10 - 150	07/26/23 05:27	07/27/23 21:24	1
M2-4:2 FTS	97		25 - 150	07/26/23 05:27	07/27/23 21:24	1
M2-6:2 FTS	80		25 - 150	07/26/23 05:27	07/27/23 21:24	1
M2-8:2 FTS	76		25 - 150	07/26/23 05:27	07/27/23 21:24	1
13C3 HFPO-DA	86		25 - 150	07/26/23 05:27	07/27/23 21:24	1

Method: EPA 537 (modified) - Fluorinated Alkyl Substances - DL

<i>Analyte</i>	<i>Result</i>	<i>Qualifier</i>	<i>RL</i>	<i>MDL</i>	<i>Unit</i>	<i>D</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
Perfluorooctanoic acid (PFOA)	970		21	8.8	ng/L		07/26/23 05:27	07/30/23 07:57	10

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C4 PFOA	101		25 - 150	07/26/23 05:27	07/30/23 07:57	10

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-3
Date Collected: 07/20/23 08:50
Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-17
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			08/01/23 17:57	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/01/23 17:57	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/01/23 17:57	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/01/23 17:57	1
Bromoform	<0.48		1.0	0.48	ug/L			08/01/23 17:57	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/01/23 17:57	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/01/23 17:57	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/01/23 17:57	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/01/23 17:57	1
Chloroform	<0.37		2.0	0.37	ug/L			08/01/23 17:57	1
Chloromethane	<0.32		5.0	0.32	ug/L			08/01/23 17:57	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/01/23 17:57	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/01/23 17:57	1
cis-1,2-Dichloroethene	0.56	J	1.0	0.41	ug/L			08/01/23 17:57	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/01/23 17:57	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/01/23 17:57	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/01/23 17:57	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/01/23 17:57	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/01/23 17:57	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/01/23 17:57	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/01/23 17:57	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/01/23 17:57	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/01/23 17:57	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/01/23 17:57	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/01/23 17:57	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/01/23 17:57	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/01/23 17:57	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/01/23 17:57	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/01/23 17:57	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/01/23 17:57	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/01/23 17:57	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/01/23 17:57	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			08/01/23 17:57	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/01/23 17:57	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/01/23 17:57	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/01/23 17:57	1
Naphthalene	<0.34		1.0	0.34	ug/L			08/01/23 17:57	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/01/23 17:57	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			08/01/23 17:57	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			08/01/23 17:57	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			08/01/23 17:57	1
Styrene	<0.39		1.0	0.39	ug/L			08/01/23 17:57	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			08/01/23 17:57	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/01/23 17:57	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/01/23 17:57	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			08/01/23 17:57	1
Toluene	<0.15		0.50	0.15	ug/L			08/01/23 17:57	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			08/01/23 17:57	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/01/23 17:57	1

Eurofins Chicago

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-3

Lab Sample ID: 500-237064-17

Date Collected: 07/20/23 08:50

Matrix: Water

Date Received: 07/22/23 09:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/01/23 17:57	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/01/23 17:57	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/01/23 17:57	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/01/23 17:57	1
Trichloroethene	4.4		0.50	0.16	ug/L			08/01/23 17:57	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/01/23 17:57	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/01/23 17:57	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			08/01/23 17:57	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			08/01/23 17:57	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/01/23 17:57	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			08/01/23 17:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		72 - 124		08/01/23 17:57	1
Dibromofluoromethane (Surr)	111		75 - 120		08/01/23 17:57	1
1,2-Dichloroethane-d4 (Surr)	98		75 - 126		08/01/23 17:57	1
Toluene-d8 (Surr)	108		75 - 120		08/01/23 17:57	1

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-5
Date Collected: 07/20/23 09:15
Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-18
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.6		0.50	0.15	ug/L			08/01/23 18:20	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/01/23 18:20	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/01/23 18:20	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/01/23 18:20	1
Bromoform	<0.48		1.0	0.48	ug/L			08/01/23 18:20	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/01/23 18:20	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/01/23 18:20	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/01/23 18:20	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/01/23 18:20	1
Chloroform	<0.37		2.0	0.37	ug/L			08/01/23 18:20	1
Chloromethane	<0.32		5.0	0.32	ug/L			08/01/23 18:20	1
2-Chlorotoluene	38		1.0	0.31	ug/L			08/01/23 18:20	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/01/23 18:20	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			08/01/23 18:20	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/01/23 18:20	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/01/23 18:20	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/01/23 18:20	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/01/23 18:20	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/01/23 18:20	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/01/23 18:20	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/01/23 18:20	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/01/23 18:20	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/01/23 18:20	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/01/23 18:20	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/01/23 18:20	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/01/23 18:20	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/01/23 18:20	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/01/23 18:20	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/01/23 18:20	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/01/23 18:20	1
Ethylbenzene	41		0.50	0.18	ug/L			08/01/23 18:20	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/01/23 18:20	1
Isopropylbenzene	75		1.0	0.39	ug/L			08/01/23 18:20	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/01/23 18:20	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/01/23 18:20	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/01/23 18:20	1
Naphthalene	160		1.0	0.34	ug/L			08/01/23 18:20	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/01/23 18:20	1
N-Propylbenzene	100		1.0	0.41	ug/L			08/01/23 18:20	1
p-Isopropyltoluene	20		1.0	0.36	ug/L			08/01/23 18:20	1
sec-Butylbenzene	16		1.0	0.40	ug/L			08/01/23 18:20	1
Styrene	<0.39		1.0	0.39	ug/L			08/01/23 18:20	1
tert-Butylbenzene	3.0		1.0	0.40	ug/L			08/01/23 18:20	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/01/23 18:20	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/01/23 18:20	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			08/01/23 18:20	1
Toluene	0.66		0.50	0.15	ug/L			08/01/23 18:20	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			08/01/23 18:20	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/01/23 18:20	1

Eurofins Chicago

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-5
Date Collected: 07/20/23 09:15
Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-18
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/01/23 18:20	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/01/23 18:20	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/01/23 18:20	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/01/23 18:20	1
Trichloroethene	<0.16		0.50	0.16	ug/L			08/01/23 18:20	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/01/23 18:20	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/01/23 18:20	1
1,3,5-Trimethylbenzene	53		1.0	0.25	ug/L			08/01/23 18:20	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/01/23 18:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		72 - 124		08/01/23 18:20	1
Dibromofluoromethane (Surr)	110		75 - 120		08/01/23 18:20	1
1,2-Dichloroethane-d4 (Surr)	96		75 - 126		08/01/23 18:20	1
Toluene-d8 (Surr)	110		75 - 120		08/01/23 18:20	1

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	990		10	3.6	ug/L			08/01/23 18:43	10
Xylenes, Total	480		10	2.2	ug/L			08/01/23 18:43	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		72 - 124		08/01/23 18:43	10
Dibromofluoromethane (Surr)	111		75 - 120		08/01/23 18:43	10
1,2-Dichloroethane-d4 (Surr)	95		75 - 126		08/01/23 18:43	10
Toluene-d8 (Surr)	109		75 - 120		08/01/23 18:43	10

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-8

Lab Sample ID: 500-237064-19

Date Collected: 07/20/23 09:55

Matrix: Water

Date Received: 07/22/23 09:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			08/01/23 19:06	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/01/23 19:06	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/01/23 19:06	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/01/23 19:06	1
Bromoform	<0.48		1.0	0.48	ug/L			08/01/23 19:06	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/01/23 19:06	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/01/23 19:06	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/01/23 19:06	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/01/23 19:06	1
Chloroform	<0.37		2.0	0.37	ug/L			08/01/23 19:06	1
Chloromethane	<0.32		5.0	0.32	ug/L			08/01/23 19:06	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/01/23 19:06	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/01/23 19:06	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			08/01/23 19:06	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/01/23 19:06	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/01/23 19:06	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/01/23 19:06	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/01/23 19:06	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/01/23 19:06	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/01/23 19:06	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/01/23 19:06	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/01/23 19:06	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/01/23 19:06	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/01/23 19:06	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/01/23 19:06	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/01/23 19:06	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/01/23 19:06	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/01/23 19:06	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/01/23 19:06	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/01/23 19:06	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/01/23 19:06	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/01/23 19:06	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			08/01/23 19:06	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/01/23 19:06	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/01/23 19:06	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/01/23 19:06	1
Naphthalene	1.8		1.0	0.34	ug/L			08/01/23 19:06	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/01/23 19:06	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			08/01/23 19:06	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			08/01/23 19:06	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			08/01/23 19:06	1
Styrene	<0.39		1.0	0.39	ug/L			08/01/23 19:06	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			08/01/23 19:06	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/01/23 19:06	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/01/23 19:06	1
Tetrachloroethene	1.1		1.0	0.37	ug/L			08/01/23 19:06	1
Toluene	<0.15		0.50	0.15	ug/L			08/01/23 19:06	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			08/01/23 19:06	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/01/23 19:06	1

Eurofins Chicago

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-8

Lab Sample ID: 500-237064-19

Date Collected: 07/20/23 09:55

Matrix: Water

Date Received: 07/22/23 09:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/01/23 19:06	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/01/23 19:06	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/01/23 19:06	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/01/23 19:06	1
Trichloroethene	0.81		0.50	0.16	ug/L			08/01/23 19:06	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/01/23 19:06	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/01/23 19:06	1
1,2,4-Trimethylbenzene	1.0		1.0	0.36	ug/L			08/01/23 19:06	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			08/01/23 19:06	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/01/23 19:06	1
Xylenes, Total	0.49 J		1.0	0.22	ug/L			08/01/23 19:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		72 - 124		08/01/23 19:06	1
Dibromofluoromethane (Surr)	112		75 - 120		08/01/23 19:06	1
1,2-Dichloroethane-d4 (Surr)	94		75 - 126		08/01/23 19:06	1
Toluene-d8 (Surr)	110		75 - 120		08/01/23 19:06	1

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-31

Lab Sample ID: 500-237064-20

Date Collected: 07/20/23 10:45

Matrix: Water

Date Received: 07/22/23 09:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			08/01/23 19:28	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/01/23 19:28	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/01/23 19:28	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/01/23 19:28	1
Bromoform	<0.48		1.0	0.48	ug/L			08/01/23 19:28	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/01/23 19:28	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/01/23 19:28	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/01/23 19:28	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/01/23 19:28	1
Chloroform	<0.37		2.0	0.37	ug/L			08/01/23 19:28	1
Chloromethane	<0.32		5.0	0.32	ug/L			08/01/23 19:28	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/01/23 19:28	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/01/23 19:28	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			08/01/23 19:28	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/01/23 19:28	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/01/23 19:28	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/01/23 19:28	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/01/23 19:28	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/01/23 19:28	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/01/23 19:28	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/01/23 19:28	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/01/23 19:28	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/01/23 19:28	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/01/23 19:28	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/01/23 19:28	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/01/23 19:28	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/01/23 19:28	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/01/23 19:28	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/01/23 19:28	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/01/23 19:28	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/01/23 19:28	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/01/23 19:28	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			08/01/23 19:28	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/01/23 19:28	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/01/23 19:28	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/01/23 19:28	1
Naphthalene	0.63	J	1.0	0.34	ug/L			08/01/23 19:28	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/01/23 19:28	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			08/01/23 19:28	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			08/01/23 19:28	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			08/01/23 19:28	1
Styrene	<0.39		1.0	0.39	ug/L			08/01/23 19:28	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			08/01/23 19:28	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/01/23 19:28	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/01/23 19:28	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			08/01/23 19:28	1
Toluene	<0.15		0.50	0.15	ug/L			08/01/23 19:28	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			08/01/23 19:28	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/01/23 19:28	1

Eurofins Chicago

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-31

Lab Sample ID: 500-237064-20

Date Collected: 07/20/23 10:45

Matrix: Water

Date Received: 07/22/23 09:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/01/23 19:28	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/01/23 19:28	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/01/23 19:28	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/01/23 19:28	1
Trichloroethene	1.6		0.50	0.16	ug/L			08/01/23 19:28	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/01/23 19:28	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/01/23 19:28	1
1,2,4-Trimethylbenzene	0.52 J		1.0	0.36	ug/L			08/01/23 19:28	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			08/01/23 19:28	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/01/23 19:28	1
Xylenes, Total	0.29 J		1.0	0.22	ug/L			08/01/23 19:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		72 - 124		08/01/23 19:28	1
Dibromofluoromethane (Surr)	107		75 - 120		08/01/23 19:28	1
1,2-Dichloroethane-d4 (Surr)	95		75 - 126		08/01/23 19:28	1
Toluene-d8 (Surr)	110		75 - 120		08/01/23 19:28	1

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-16

Lab Sample ID: 500-237064-21

Date Collected: 07/20/23 11:45

Matrix: Water

Date Received: 07/22/23 09:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			08/02/23 15:28	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/02/23 15:28	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/02/23 15:28	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/02/23 15:28	1
Bromoform	<0.48		1.0	0.48	ug/L			08/02/23 15:28	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/02/23 15:28	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/02/23 15:28	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/02/23 15:28	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/02/23 15:28	1
Chloroform	<0.37		2.0	0.37	ug/L			08/02/23 15:28	1
Chloromethane	<0.32		5.0	0.32	ug/L			08/02/23 15:28	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/02/23 15:28	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/02/23 15:28	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			08/02/23 15:28	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/02/23 15:28	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/02/23 15:28	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/02/23 15:28	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/02/23 15:28	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/02/23 15:28	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/02/23 15:28	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/02/23 15:28	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/02/23 15:28	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/02/23 15:28	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/02/23 15:28	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/02/23 15:28	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/02/23 15:28	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/02/23 15:28	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/02/23 15:28	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/02/23 15:28	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/02/23 15:28	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/02/23 15:28	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/02/23 15:28	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			08/02/23 15:28	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/02/23 15:28	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/02/23 15:28	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/02/23 15:28	1
Naphthalene	0.41	J	1.0	0.34	ug/L			08/02/23 15:28	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/02/23 15:28	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			08/02/23 15:28	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			08/02/23 15:28	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			08/02/23 15:28	1
Styrene	<0.39		1.0	0.39	ug/L			08/02/23 15:28	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			08/02/23 15:28	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/02/23 15:28	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/02/23 15:28	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			08/02/23 15:28	1
Toluene	<0.15		0.50	0.15	ug/L			08/02/23 15:28	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			08/02/23 15:28	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/02/23 15:28	1

Eurofins Chicago

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-16

Lab Sample ID: 500-237064-21

Date Collected: 07/20/23 11:45

Matrix: Water

Date Received: 07/22/23 09:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/02/23 15:28	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/02/23 15:28	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/02/23 15:28	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/02/23 15:28	1
Trichloroethene	0.90		0.50	0.16	ug/L			08/02/23 15:28	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/02/23 15:28	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/02/23 15:28	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			08/02/23 15:28	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			08/02/23 15:28	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/02/23 15:28	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			08/02/23 15:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		72 - 124		08/02/23 15:28	1
Dibromofluoromethane (Surr)	100		75 - 120		08/02/23 15:28	1
1,2-Dichloroethane-d4 (Surr)	101		75 - 126		08/02/23 15:28	1
Toluene-d8 (Surr)	94		75 - 120		08/02/23 15:28	1

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-15

Lab Sample ID: 500-237064-22

Date Collected: 07/20/23 12:35

Matrix: Water

Date Received: 07/22/23 09:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.73		0.50	0.15	ug/L			08/02/23 15:53	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/02/23 15:53	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/02/23 15:53	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/02/23 15:53	1
Bromoform	<0.48		1.0	0.48	ug/L			08/02/23 15:53	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/02/23 15:53	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/02/23 15:53	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/02/23 15:53	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/02/23 15:53	1
Chloroform	<0.37		2.0	0.37	ug/L			08/02/23 15:53	1
Chloromethane	<0.32		5.0	0.32	ug/L			08/02/23 15:53	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/02/23 15:53	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/02/23 15:53	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			08/02/23 15:53	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/02/23 15:53	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/02/23 15:53	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/02/23 15:53	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/02/23 15:53	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/02/23 15:53	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/02/23 15:53	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/02/23 15:53	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/02/23 15:53	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/02/23 15:53	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/02/23 15:53	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/02/23 15:53	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/02/23 15:53	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/02/23 15:53	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/02/23 15:53	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/02/23 15:53	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/02/23 15:53	1
Ethylbenzene	53		0.50	0.18	ug/L			08/02/23 15:53	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/02/23 15:53	1
Isopropylbenzene	53		1.0	0.39	ug/L			08/02/23 15:53	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/02/23 15:53	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/02/23 15:53	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/02/23 15:53	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/02/23 15:53	1
N-Propylbenzene	72		1.0	0.41	ug/L			08/02/23 15:53	1
p-Isopropyltoluene	52		1.0	0.36	ug/L			08/02/23 15:53	1
sec-Butylbenzene	25		1.0	0.40	ug/L			08/02/23 15:53	1
Styrene	<0.39		1.0	0.39	ug/L			08/02/23 15:53	1
tert-Butylbenzene	8.5		1.0	0.40	ug/L			08/02/23 15:53	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/02/23 15:53	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/02/23 15:53	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			08/02/23 15:53	1
Toluene	1.0 B		0.50	0.15	ug/L			08/02/23 15:53	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			08/02/23 15:53	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/02/23 15:53	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/02/23 15:53	1

Euofins Chicago

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-15

Lab Sample ID: 500-237064-22

Date Collected: 07/20/23 12:35

Matrix: Water

Date Received: 07/22/23 09:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/02/23 15:53	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/02/23 15:53	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/02/23 15:53	1
Trichloroethene	<0.16		0.50	0.16	ug/L			08/02/23 15:53	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/02/23 15:53	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/02/23 15:53	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/02/23 15:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		72 - 124		08/02/23 15:53	1
Dibromofluoromethane (Surr)	99		75 - 120		08/02/23 15:53	1
1,2-Dichloroethane-d4 (Surr)	100		75 - 126		08/02/23 15:53	1
Toluene-d8 (Surr)	95		75 - 120		08/02/23 15:53	1

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	250		10	3.4	ug/L			08/02/23 16:16	10
1,2,4-Trimethylbenzene	1600		10	3.6	ug/L			08/02/23 16:16	10
1,3,5-Trimethylbenzene	320		10	2.5	ug/L			08/02/23 16:16	10
Xylenes, Total	470		10	2.2	ug/L			08/02/23 16:16	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		72 - 124		08/02/23 16:16	10
Dibromofluoromethane (Surr)	103		75 - 120		08/02/23 16:16	10
1,2-Dichloroethane-d4 (Surr)	102		75 - 126		08/02/23 16:16	10
Toluene-d8 (Surr)	92		75 - 120		08/02/23 16:16	10

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-12
Date Collected: 07/20/23 13:22
Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-23
Matrix: Water

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	10000	F2	1300	600	ng/L		07/26/23 05:27	07/31/23 23:47	5
Perfluoropentanoic acid (PFPeA)	<120		500	120	ng/L		07/26/23 05:27	07/31/23 23:47	5
Perfluorohexanoic acid (PFHxA)	<150	F1	500	150	ng/L		07/26/23 05:27	07/31/23 23:47	5
Perfluoroheptanoic acid (PFHpA)	290	J	500	63	ng/L		07/26/23 05:27	07/31/23 23:47	5
Perfluorooctanoic acid (PFOA)	8400		500	210	ng/L		07/26/23 05:27	07/31/23 23:47	5
Perfluorononanoic acid (PFNA)	<68		500	68	ng/L		07/26/23 05:27	07/31/23 23:47	5
Perfluorodecanoic acid (PFDA)	<78		500	78	ng/L		07/26/23 05:27	07/31/23 23:47	5
Perfluoroundecanoic acid (PFUnA)	<280		500	280	ng/L		07/26/23 05:27	07/31/23 23:47	5
Perfluorododecanoic acid (PFDoA)	<140		500	140	ng/L		07/26/23 05:27	07/31/23 23:47	5
Perfluorotridecanoic acid (PFTriA)	<330		500	330	ng/L		07/26/23 05:27	07/31/23 23:47	5
Perfluorotetradecanoic acid (PFTeA)	<180		500	180	ng/L		07/26/23 05:27	07/31/23 23:47	5
Perfluorobutanesulfonic acid (PFBS)	<50	F1	500	50	ng/L		07/26/23 05:27	07/31/23 23:47	5
Perfluoropentanesulfonic acid (PFPeS)	<75		500	75	ng/L		07/26/23 05:27	07/31/23 23:47	5
Perfluorohexanesulfonic acid (PFHxS)	<140		500	140	ng/L		07/26/23 05:27	07/31/23 23:47	5
Perfluoroheptanesulfonic acid (PFHpS)	<48		500	48	ng/L		07/26/23 05:27	07/31/23 23:47	5
Perfluorooctanesulfonic acid (PFOS)	<140		500	140	ng/L		07/26/23 05:27	07/31/23 23:47	5
Perfluorononanesulfonic acid (PFNS)	<93		500	93	ng/L		07/26/23 05:27	07/31/23 23:47	5
Perfluorodecanesulfonic acid (PFDS)	<80		500	80	ng/L		07/26/23 05:27	07/31/23 23:47	5
Perfluorododecanesulfonic acid (PFDoS)	<240	F1	500	240	ng/L		07/26/23 05:27	07/31/23 23:47	5
Perfluorooctanesulfonamide (FOSA)	<250		500	250	ng/L		07/26/23 05:27	07/31/23 23:47	5
NEtFOSA	<220		500	220	ng/L		07/26/23 05:27	07/31/23 23:47	5
NMeFOSA	<110		500	110	ng/L		07/26/23 05:27	07/31/23 23:47	5
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<300		1300	300	ng/L		07/26/23 05:27	07/31/23 23:47	5
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<330		1300	330	ng/L		07/26/23 05:27	07/31/23 23:47	5
NMeFOSE	<350		1000	350	ng/L		07/26/23 05:27	07/31/23 23:47	5
NEtFOSE	<210		500	210	ng/L		07/26/23 05:27	07/31/23 23:47	5
4:2 FTS	<60		500	60	ng/L		07/26/23 05:27	07/31/23 23:47	5
6:2 FTS	<630		1300	630	ng/L		07/26/23 05:27	07/31/23 23:47	5
8:2 FTS	<120		500	120	ng/L		07/26/23 05:27	07/31/23 23:47	5
DONA	<100		500	100	ng/L		07/26/23 05:27	07/31/23 23:47	5
HFPO-DA (GenX)	<380		1000	380	ng/L		07/26/23 05:27	07/31/23 23:47	5
F-53B Major	<60		500	60	ng/L		07/26/23 05:27	07/31/23 23:47	5
F-53B Minor	<80		500	80	ng/L		07/26/23 05:27	07/31/23 23:47	5

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	33		25 - 150	07/26/23 05:27	07/31/23 23:47	5
13C5 PFPeA	59		25 - 150	07/26/23 05:27	07/31/23 23:47	5
13C2 PFHxA	83		25 - 150	07/26/23 05:27	07/31/23 23:47	5
13C4 PFHpA	92		25 - 150	07/26/23 05:27	07/31/23 23:47	5
13C4 PFOA	101		25 - 150	07/26/23 05:27	07/31/23 23:47	5
13C5 PFNA	118		25 - 150	07/26/23 05:27	07/31/23 23:47	5
13C2 PFDA	125		25 - 150	07/26/23 05:27	07/31/23 23:47	5
13C2 PFUnA	114		25 - 150	07/26/23 05:27	07/31/23 23:47	5
13C2 PFDoA	95		25 - 150	07/26/23 05:27	07/31/23 23:47	5
13C2 PFTeDA	56		25 - 150	07/26/23 05:27	07/31/23 23:47	5
13C3 PFBS	94		25 - 150	07/26/23 05:27	07/31/23 23:47	5

Euofins Chicago

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-12

Lab Sample ID: 500-237064-23

Date Collected: 07/20/23 13:22

Matrix: Water

Date Received: 07/22/23 09:50

Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
18O2 PFHxS	110		25 - 150	07/26/23 05:27	07/31/23 23:47	5
13C4 PFOS	109		25 - 150	07/26/23 05:27	07/31/23 23:47	5
13C8 FOSA	127		10 - 150	07/26/23 05:27	07/31/23 23:47	5
d3-NMeFOSAA	121		25 - 150	07/26/23 05:27	07/31/23 23:47	5
d5-NEtFOSAA	123		25 - 150	07/26/23 05:27	07/31/23 23:47	5
d-N-MeFOSA-M	84		10 - 150	07/26/23 05:27	07/31/23 23:47	5
d-N-EtFOSA-M	77		10 - 150	07/26/23 05:27	07/31/23 23:47	5
d7-N-MeFOSE-M	79		10 - 150	07/26/23 05:27	07/31/23 23:47	5
d9-N-EtFOSE-M	66		10 - 150	07/26/23 05:27	07/31/23 23:47	5
M2-4:2 FTS	124		25 - 150	07/26/23 05:27	07/31/23 23:47	5
M2-6:2 FTS	134		25 - 150	07/26/23 05:27	07/31/23 23:47	5
M2-8:2 FTS	154	*5+	25 - 150	07/26/23 05:27	07/31/23 23:47	5
13C3 HFPO-DA	95		25 - 150	07/26/23 05:27	07/31/23 23:47	5

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-9

Lab Sample ID: 500-237064-24

Date Collected: 07/20/23 14:25

Matrix: Water

Date Received: 07/22/23 09:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			08/02/23 16:40	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/02/23 16:40	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/02/23 16:40	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/02/23 16:40	1
Bromoform	<0.48		1.0	0.48	ug/L			08/02/23 16:40	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/02/23 16:40	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/02/23 16:40	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/02/23 16:40	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/02/23 16:40	1
Chloroform	<0.37		2.0	0.37	ug/L			08/02/23 16:40	1
Chloromethane	<0.32		5.0	0.32	ug/L			08/02/23 16:40	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/02/23 16:40	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/02/23 16:40	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			08/02/23 16:40	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/02/23 16:40	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/02/23 16:40	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/02/23 16:40	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/02/23 16:40	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/02/23 16:40	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/02/23 16:40	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/02/23 16:40	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/02/23 16:40	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/02/23 16:40	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/02/23 16:40	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/02/23 16:40	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/02/23 16:40	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/02/23 16:40	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/02/23 16:40	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/02/23 16:40	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/02/23 16:40	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/02/23 16:40	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/02/23 16:40	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			08/02/23 16:40	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/02/23 16:40	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/02/23 16:40	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/02/23 16:40	1
Naphthalene	1.7		1.0	0.34	ug/L			08/02/23 16:40	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/02/23 16:40	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			08/02/23 16:40	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			08/02/23 16:40	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			08/02/23 16:40	1
Styrene	<0.39		1.0	0.39	ug/L			08/02/23 16:40	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			08/02/23 16:40	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/02/23 16:40	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/02/23 16:40	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			08/02/23 16:40	1
Toluene	0.47 J B		0.50	0.15	ug/L			08/02/23 16:40	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			08/02/23 16:40	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/02/23 16:40	1

Eurofins Chicago

Client Sample Results

Client: Ramboll US Corporation
Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-9
Date Collected: 07/20/23 14:25
Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-24
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/02/23 16:40	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/02/23 16:40	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/02/23 16:40	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/02/23 16:40	1
Trichloroethene	9.5		0.50	0.16	ug/L			08/02/23 16:40	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/02/23 16:40	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/02/23 16:40	1
1,2,4-Trimethylbenzene	0.66 J		1.0	0.36	ug/L			08/02/23 16:40	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			08/02/23 16:40	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/02/23 16:40	1
Xylenes, Total	0.59 J		1.0	0.22	ug/L			08/02/23 16:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		72 - 124					08/02/23 16:40	1
Dibromofluoromethane (Surr)	101		75 - 120					08/02/23 16:40	1
1,2-Dichloroethane-d4 (Surr)	100		75 - 126					08/02/23 16:40	1
Toluene-d8 (Surr)	95		75 - 120					08/02/23 16:40	1

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<60		130	60	ng/L		07/26/23 05:27	07/27/23 22:05	1
Perfluoropentanoic acid (PFPeA)	<12		50	12	ng/L		07/26/23 05:27	07/27/23 22:05	1
Perfluorohexanoic acid (PFHxA)	<15		50	15	ng/L		07/26/23 05:27	07/27/23 22:05	1
Perfluoroheptanoic acid (PFHpA)	160		50	6.3	ng/L		07/26/23 05:27	07/27/23 22:05	1
Perfluorooctanoic acid (PFOA)	1700		50	21	ng/L		07/26/23 05:27	07/27/23 22:05	1
Perfluorononanoic acid (PFNA)	<6.8		50	6.8	ng/L		07/26/23 05:27	07/27/23 22:05	1
Perfluorodecanoic acid (PFDA)	<7.8		50	7.8	ng/L		07/26/23 05:27	07/27/23 22:05	1
Perfluoroundecanoic acid (PFUnA)	<28		50	28	ng/L		07/26/23 05:27	07/27/23 22:05	1
Perfluorododecanoic acid (PFDoA)	<14		50	14	ng/L		07/26/23 05:27	07/27/23 22:05	1
Perfluorotridecanoic acid (PFTriA)	<33		50	33	ng/L		07/26/23 05:27	07/27/23 22:05	1
Perfluorobutanesulfonic acid (PFBS)	<5.0		50	5.0	ng/L		07/26/23 05:27	07/27/23 22:05	1
Perfluoropentanesulfonic acid (PFPeS)	<7.5		50	7.5	ng/L		07/26/23 05:27	07/27/23 22:05	1
Perfluorohexanesulfonic acid (PFHxS)	<14		50	14	ng/L		07/26/23 05:27	07/27/23 22:05	1
Perfluoroheptanesulfonic acid (PFHpS)	<4.8		50	4.8	ng/L		07/26/23 05:27	07/27/23 22:05	1
Perfluorooctanesulfonic acid (PFOS)	<14		50	14	ng/L		07/26/23 05:27	07/27/23 22:05	1
Perfluorononanesulfonic acid (PFNS)	<9.3		50	9.3	ng/L		07/26/23 05:27	07/27/23 22:05	1
Perfluorodecanesulfonic acid (PFDS)	<8.0		50	8.0	ng/L		07/26/23 05:27	07/27/23 22:05	1
Perfluorododecanesulfonic acid (PFDoS)	<24		50	24	ng/L		07/26/23 05:27	07/27/23 22:05	1
Perfluorooctanesulfonamide (FOSA)	<25		50	25	ng/L		07/26/23 05:27	07/27/23 22:05	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<30		130	30	ng/L		07/26/23 05:27	07/27/23 22:05	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<33		130	33	ng/L		07/26/23 05:27	07/27/23 22:05	1
4:2 FTS	<6.0		50	6.0	ng/L		07/26/23 05:27	07/27/23 22:05	1
6:2 FTS	<63		130	63	ng/L		07/26/23 05:27	07/27/23 22:05	1
8:2 FTS	<12		50	12	ng/L		07/26/23 05:27	07/27/23 22:05	1
DONA	<10		50	10	ng/L		07/26/23 05:27	07/27/23 22:05	1
HFPO-DA (GenX)	<38		100	38	ng/L		07/26/23 05:27	07/27/23 22:05	1

Eurofins Chicago

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-9

Lab Sample ID: 500-237064-24

Date Collected: 07/20/23 14:25

Matrix: Water

Date Received: 07/22/23 09:50

Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
F-53B Major	<6.0		50	6.0	ng/L		07/26/23 05:27	07/27/23 22:05	1
F-53B Minor	<8.0		50	8.0	ng/L		07/26/23 05:27	07/27/23 22:05	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	42		25 - 150				07/26/23 05:27	07/27/23 22:05	1
13C5 PFPeA	67		25 - 150				07/26/23 05:27	07/27/23 22:05	1
13C2 PFHxA	88		25 - 150				07/26/23 05:27	07/27/23 22:05	1
13C4 PFHpA	94		25 - 150				07/26/23 05:27	07/27/23 22:05	1
13C4 PFOA	107		25 - 150				07/26/23 05:27	07/27/23 22:05	1
13C5 PFNA	124		25 - 150				07/26/23 05:27	07/27/23 22:05	1
13C2 PFDA	137		25 - 150				07/26/23 05:27	07/27/23 22:05	1
13C2 PFUnA	168	*5+	25 - 150				07/26/23 05:27	07/27/23 22:05	1
13C2 PFDoA	161	*5+	25 - 150				07/26/23 05:27	07/27/23 22:05	1
13C3 PFBS	147		25 - 150				07/26/23 05:27	07/27/23 22:05	1
18O2 PFHxS	155	*5+	25 - 150				07/26/23 05:27	07/27/23 22:05	1
13C4 PFOS	160	*5+	25 - 150				07/26/23 05:27	07/27/23 22:05	1
13C8 FOSA	136		10 - 150				07/26/23 05:27	07/27/23 22:05	1
d3-NMeFOSAA	99		25 - 150				07/26/23 05:27	07/27/23 22:05	1
d5-NEtFOSAA	127		25 - 150				07/26/23 05:27	07/27/23 22:05	1
M2-4:2 FTS	139		25 - 150				07/26/23 05:27	07/27/23 22:05	1
M2-6:2 FTS	159	*5+	25 - 150				07/26/23 05:27	07/27/23 22:05	1
M2-8:2 FTS	153	*5+	25 - 150				07/26/23 05:27	07/27/23 22:05	1
13C3 HFPO-DA	110		25 - 150				07/26/23 05:27	07/27/23 22:05	1

Method: EPA 537 (modified) - Fluorinated Alkyl Substances - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorotetradecanoic acid (PFTeA)	<18		50	18	ng/L		07/26/23 05:27	08/21/23 14:08	1
NEtFOSA	<22		50	22	ng/L		07/26/23 05:27	08/21/23 14:08	1
NMeFOSA	<11		50	11	ng/L		07/26/23 05:27	08/21/23 14:08	1
NMeFOSE	<35		100	35	ng/L		07/26/23 05:27	08/21/23 14:08	1
NEtFOSE	<21		50	21	ng/L		07/26/23 05:27	08/21/23 14:08	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C2 PFTeDA	142		25 - 150				07/26/23 05:27	08/21/23 14:08	1
d-N-MeFOSA-M	145		10 - 150				07/26/23 05:27	08/21/23 14:08	1
d-N-EtFOSA-M	148		10 - 150				07/26/23 05:27	08/21/23 14:08	1
d7-N-MeFOSE-M	147		10 - 150				07/26/23 05:27	08/21/23 14:08	1
d9-N-EtFOSE-M	148		10 - 150				07/26/23 05:27	08/21/23 14:08	1

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-9 DUP

Lab Sample ID: 500-237064-25

Date Collected: 07/20/23 14:25

Matrix: Water

Date Received: 07/22/23 09:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.15	J	0.50	0.15	ug/L			08/02/23 17:04	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/02/23 17:04	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/02/23 17:04	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/02/23 17:04	1
Bromoform	<0.48		1.0	0.48	ug/L			08/02/23 17:04	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/02/23 17:04	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/02/23 17:04	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/02/23 17:04	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/02/23 17:04	1
Chloroform	<0.37		2.0	0.37	ug/L			08/02/23 17:04	1
Chloromethane	<0.32		5.0	0.32	ug/L			08/02/23 17:04	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/02/23 17:04	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/02/23 17:04	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			08/02/23 17:04	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/02/23 17:04	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/02/23 17:04	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/02/23 17:04	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/02/23 17:04	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/02/23 17:04	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/02/23 17:04	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/02/23 17:04	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/02/23 17:04	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/02/23 17:04	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/02/23 17:04	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/02/23 17:04	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/02/23 17:04	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/02/23 17:04	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/02/23 17:04	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/02/23 17:04	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/02/23 17:04	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/02/23 17:04	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/02/23 17:04	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			08/02/23 17:04	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/02/23 17:04	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/02/23 17:04	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/02/23 17:04	1
Naphthalene	0.55	J	1.0	0.34	ug/L			08/02/23 17:04	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/02/23 17:04	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			08/02/23 17:04	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			08/02/23 17:04	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			08/02/23 17:04	1
Styrene	<0.39		1.0	0.39	ug/L			08/02/23 17:04	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			08/02/23 17:04	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/02/23 17:04	1
1,1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/02/23 17:04	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			08/02/23 17:04	1
Toluene	0.51	B	0.50	0.15	ug/L			08/02/23 17:04	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			08/02/23 17:04	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/02/23 17:04	1

Eurofins Chicago

Client Sample Results

Client: Ramboll US Corporation
Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-9 DUP

Lab Sample ID: 500-237064-25

Date Collected: 07/20/23 14:25

Matrix: Water

Date Received: 07/22/23 09:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/02/23 17:04	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/02/23 17:04	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/02/23 17:04	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/02/23 17:04	1
Trichloroethene	9.4		0.50	0.16	ug/L			08/02/23 17:04	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/02/23 17:04	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/02/23 17:04	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			08/02/23 17:04	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			08/02/23 17:04	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/02/23 17:04	1
Xylenes, Total	0.36 J		1.0	0.22	ug/L			08/02/23 17:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		72 - 124		08/02/23 17:04	1
Dibromofluoromethane (Surr)	100		75 - 120		08/02/23 17:04	1
1,2-Dichloroethane-d4 (Surr)	101		75 - 126		08/02/23 17:04	1
Toluene-d8 (Surr)	95		75 - 120		08/02/23 17:04	1

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<60		130	60	ng/L		07/26/23 05:27	07/27/23 22:15	1
Perfluoropentanoic acid (PFPeA)	<12		50	12	ng/L		07/26/23 05:27	07/27/23 22:15	1
Perfluorohexanoic acid (PFHxA)	<15		50	15	ng/L		07/26/23 05:27	07/27/23 22:15	1
Perfluoroheptanoic acid (PFHpA)	130		50	6.3	ng/L		07/26/23 05:27	07/27/23 22:15	1
Perfluorooctanoic acid (PFOA)	1600		50	21	ng/L		07/26/23 05:27	07/27/23 22:15	1
Perfluorononanoic acid (PFNA)	<6.8		50	6.8	ng/L		07/26/23 05:27	07/27/23 22:15	1
Perfluorodecanoic acid (PFDA)	<7.8		50	7.8	ng/L		07/26/23 05:27	07/27/23 22:15	1
Perfluorododecanoic acid (PFDoA)	<14		50	14	ng/L		07/26/23 05:27	07/27/23 22:15	1
Perfluorotridecanoic acid (PFTriA)	<33		50	33	ng/L		07/26/23 05:27	07/27/23 22:15	1
Perfluorotetradecanoic acid (PFTeA)	<18		50	18	ng/L		07/26/23 05:27	07/27/23 22:15	1
Perfluorobutanesulfonic acid (PFBS)	<5.0		50	5.0	ng/L		07/26/23 05:27	07/27/23 22:15	1
Perfluoropentanesulfonic acid (PFPeS)	<7.5		50	7.5	ng/L		07/26/23 05:27	07/27/23 22:15	1
Perfluorohexanesulfonic acid (PFHxS)	<14		50	14	ng/L		07/26/23 05:27	07/27/23 22:15	1
Perfluoroheptanesulfonic acid (PFHpS)	<4.8		50	4.8	ng/L		07/26/23 05:27	07/27/23 22:15	1
Perfluorooctanesulfonic acid (PFOS)	<14		50	14	ng/L		07/26/23 05:27	07/27/23 22:15	1
Perfluorononanesulfonic acid (PFNS)	<9.3		50	9.3	ng/L		07/26/23 05:27	07/27/23 22:15	1
Perfluorodecanesulfonic acid (PFDS)	<8.0		50	8.0	ng/L		07/26/23 05:27	07/27/23 22:15	1
Perfluorododecanesulfonic acid (PFDoS)	<24		50	24	ng/L		07/26/23 05:27	07/27/23 22:15	1
Perfluorooctanesulfonamide (FOSA)	<25		50	25	ng/L		07/26/23 05:27	07/27/23 22:15	1
NMeFOSA	<11		50	11	ng/L		07/26/23 05:27	07/27/23 22:15	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<30		130	30	ng/L		07/26/23 05:27	07/27/23 22:15	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<33		130	33	ng/L		07/26/23 05:27	07/27/23 22:15	1
NEtFOSE	<21		50	21	ng/L		07/26/23 05:27	07/27/23 22:15	1
4:2 FTS	<6.0		50	6.0	ng/L		07/26/23 05:27	07/27/23 22:15	1
6:2 FTS	<63		130	63	ng/L		07/26/23 05:27	07/27/23 22:15	1
8:2 FTS	<12		50	12	ng/L		07/26/23 05:27	07/27/23 22:15	1

Euofins Chicago

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-9 DUP

Lab Sample ID: 500-237064-25

Date Collected: 07/20/23 14:25

Matrix: Water

Date Received: 07/22/23 09:50

Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DONA	<10		50	10	ng/L		07/26/23 05:27	07/27/23 22:15	1
HFPO-DA (GenX)	<38		100	38	ng/L		07/26/23 05:27	07/27/23 22:15	1
F-53B Major	<6.0		50	6.0	ng/L		07/26/23 05:27	07/27/23 22:15	1
F-53B Minor	<8.0		50	8.0	ng/L		07/26/23 05:27	07/27/23 22:15	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	46		25 - 150				07/26/23 05:27	07/27/23 22:15	1
13C5 PFPeA	69		25 - 150				07/26/23 05:27	07/27/23 22:15	1
13C2 PFHxA	84		25 - 150				07/26/23 05:27	07/27/23 22:15	1
13C4 PFHpA	92		25 - 150				07/26/23 05:27	07/27/23 22:15	1
13C4 PFOA	106		25 - 150				07/26/23 05:27	07/27/23 22:15	1
13C5 PFNA	119		25 - 150				07/26/23 05:27	07/27/23 22:15	1
13C2 PFDA	127		25 - 150				07/26/23 05:27	07/27/23 22:15	1
13C2 PFDoA	148		25 - 150				07/26/23 05:27	07/27/23 22:15	1
13C2 PFTeDA	147		25 - 150				07/26/23 05:27	07/27/23 22:15	1
13C3 PFBS	135		25 - 150				07/26/23 05:27	07/27/23 22:15	1
18O2 PFHxS	147		25 - 150				07/26/23 05:27	07/27/23 22:15	1
13C4 PFOS	143		25 - 150				07/26/23 05:27	07/27/23 22:15	1
13C8 FOSA	128		10 - 150				07/26/23 05:27	07/27/23 22:15	1
d3-NMeFOSAA	102		25 - 150				07/26/23 05:27	07/27/23 22:15	1
d5-NEtFOSAA	125		25 - 150				07/26/23 05:27	07/27/23 22:15	1
d-N-MeFOSA-M	141		10 - 150				07/26/23 05:27	07/27/23 22:15	1
d9-N-EtFOSE-M	150		10 - 150				07/26/23 05:27	07/27/23 22:15	1
M2-4:2 FTS	130		25 - 150				07/26/23 05:27	07/27/23 22:15	1
M2-6:2 FTS	148		25 - 150				07/26/23 05:27	07/27/23 22:15	1
M2-8:2 FTS	132		25 - 150				07/26/23 05:27	07/27/23 22:15	1
13C3 HFPO-DA	106		25 - 150				07/26/23 05:27	07/27/23 22:15	1

Method: EPA 537 (modified) - Fluorinated Alkyl Substances - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoroundecanoic acid (PFUnA)	<28		50	28	ng/L		07/26/23 05:27	08/21/23 14:18	1
NEtFOSA	<22		50	22	ng/L		07/26/23 05:27	08/21/23 14:18	1
NMeFOSE	<35		100	35	ng/L		07/26/23 05:27	08/21/23 14:18	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C2 PFUnA	144		25 - 150				07/26/23 05:27	08/21/23 14:18	1
d-N-EtFOSA-M	134		10 - 150				07/26/23 05:27	08/21/23 14:18	1
d7-N-MeFOSE-M	132		10 - 150				07/26/23 05:27	08/21/23 14:18	1

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: EB-05
Date Collected: 07/20/23 14:55
Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-26
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			08/02/23 11:03	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/02/23 11:03	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/02/23 11:03	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/02/23 11:03	1
Bromoform	<0.48		1.0	0.48	ug/L			08/02/23 11:03	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/02/23 11:03	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/02/23 11:03	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/02/23 11:03	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/02/23 11:03	1
Chloroform	<0.37		2.0	0.37	ug/L			08/02/23 11:03	1
Chloromethane	<0.32		5.0	0.32	ug/L			08/02/23 11:03	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/02/23 11:03	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/02/23 11:03	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			08/02/23 11:03	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/02/23 11:03	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/02/23 11:03	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/02/23 11:03	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/02/23 11:03	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/02/23 11:03	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/02/23 11:03	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/02/23 11:03	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/02/23 11:03	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/02/23 11:03	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/02/23 11:03	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/02/23 11:03	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/02/23 11:03	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/02/23 11:03	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/02/23 11:03	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/02/23 11:03	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/02/23 11:03	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/02/23 11:03	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/02/23 11:03	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			08/02/23 11:03	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/02/23 11:03	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/02/23 11:03	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/02/23 11:03	1
Naphthalene	<0.34		1.0	0.34	ug/L			08/02/23 11:03	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/02/23 11:03	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			08/02/23 11:03	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			08/02/23 11:03	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			08/02/23 11:03	1
Styrene	<0.39		1.0	0.39	ug/L			08/02/23 11:03	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			08/02/23 11:03	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/02/23 11:03	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/02/23 11:03	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			08/02/23 11:03	1
Toluene	0.25	J B	0.50	0.15	ug/L			08/02/23 11:03	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			08/02/23 11:03	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/02/23 11:03	1

Euofins Chicago

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: EB-05
Date Collected: 07/20/23 14:55
Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-26
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/02/23 11:03	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/02/23 11:03	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/02/23 11:03	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/02/23 11:03	1
Trichloroethene	<0.16		0.50	0.16	ug/L			08/02/23 11:03	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/02/23 11:03	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/02/23 11:03	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			08/02/23 11:03	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			08/02/23 11:03	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/02/23 11:03	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			08/02/23 11:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		72 - 124					08/02/23 11:03	1
Dibromofluoromethane (Surr)	101		75 - 120					08/02/23 11:03	1
1,2-Dichloroethane-d4 (Surr)	100		75 - 126					08/02/23 11:03	1
Toluene-d8 (Surr)	93		75 - 120					08/02/23 11:03	1

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.3		4.8	2.3	ng/L		07/26/23 05:27	07/27/23 22:25	1
Perfluoropentanoic acid (PFPeA)	<0.47		1.9	0.47	ng/L		07/26/23 05:27	07/27/23 22:25	1
Perfluorohexanoic acid (PFHxA)	<0.56		1.9	0.56	ng/L		07/26/23 05:27	07/27/23 22:25	1
Perfluoroheptanoic acid (PFHpA)	<0.24		1.9	0.24	ng/L		07/26/23 05:27	07/27/23 22:25	1
Perfluorooctanoic acid (PFOA)	<0.82		1.9	0.82	ng/L		07/26/23 05:27	07/27/23 22:25	1
Perfluorononanoic acid (PFNA)	<0.26		1.9	0.26	ng/L		07/26/23 05:27	07/27/23 22:25	1
Perfluorodecanoic acid (PFDA)	<0.30		1.9	0.30	ng/L		07/26/23 05:27	07/27/23 22:25	1
Perfluoroundecanoic acid (PFUnA)	<1.1		1.9	1.1	ng/L		07/26/23 05:27	07/27/23 22:25	1
Perfluorododecanoic acid (PFDoA)	<0.53		1.9	0.53	ng/L		07/26/23 05:27	07/27/23 22:25	1
Perfluorotridecanoic acid (PFTriA)	<1.3		1.9	1.3	ng/L		07/26/23 05:27	07/27/23 22:25	1
Perfluorotetradecanoic acid (PFTeA)	<0.70		1.9	0.70	ng/L		07/26/23 05:27	07/27/23 22:25	1
Perfluorobutanesulfonic acid (PFBS)	<0.19		1.9	0.19	ng/L		07/26/23 05:27	07/27/23 22:25	1
Perfluoropentanesulfonic acid (PFPeS)	<0.29		1.9	0.29	ng/L		07/26/23 05:27	07/27/23 22:25	1
Perfluorohexanesulfonic acid (PFHxS)	<0.55		1.9	0.55	ng/L		07/26/23 05:27	07/27/23 22:25	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.18		1.9	0.18	ng/L		07/26/23 05:27	07/27/23 22:25	1
Perfluorooctanesulfonic acid (PFOS)	<0.52		1.9	0.52	ng/L		07/26/23 05:27	07/27/23 22:25	1
Perfluorononanesulfonic acid (PFNS)	<0.36		1.9	0.36	ng/L		07/26/23 05:27	07/27/23 22:25	1
Perfluorodecanesulfonic acid (PFDS)	<0.31		1.9	0.31	ng/L		07/26/23 05:27	07/27/23 22:25	1
Perfluorododecanesulfonic acid (PFDoS)	<0.93		1.9	0.93	ng/L		07/26/23 05:27	07/27/23 22:25	1
Perfluorooctanesulfonamide (FOSA)	<0.94		1.9	0.94	ng/L		07/26/23 05:27	07/27/23 22:25	1
NEtFOSA	<0.84		1.9	0.84	ng/L		07/26/23 05:27	07/27/23 22:25	1
NMeFOSA	<0.41		1.9	0.41	ng/L		07/26/23 05:27	07/27/23 22:25	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<1.2		4.8	1.2	ng/L		07/26/23 05:27	07/27/23 22:25	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<1.3		4.8	1.3	ng/L		07/26/23 05:27	07/27/23 22:25	1
NMeFOSE	<1.3		3.9	1.3	ng/L		07/26/23 05:27	07/27/23 22:25	1
NEtFOSE	<0.82		1.9	0.82	ng/L		07/26/23 05:27	07/27/23 22:25	1

Eurofins Chicago

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: EB-05
Date Collected: 07/20/23 14:55
Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-26
Matrix: Water

Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4:2 FTS	<0.23		1.9	0.23	ng/L		07/26/23 05:27	07/27/23 22:25	1
6:2 FTS	<2.4		4.8	2.4	ng/L		07/26/23 05:27	07/27/23 22:25	1
8:2 FTS	<0.44		1.9	0.44	ng/L		07/26/23 05:27	07/27/23 22:25	1
DONA	<0.39		1.9	0.39	ng/L		07/26/23 05:27	07/27/23 22:25	1
HFPO-DA (GenX)	<1.4		3.9	1.4	ng/L		07/26/23 05:27	07/27/23 22:25	1
F-53B Major	<0.23		1.9	0.23	ng/L		07/26/23 05:27	07/27/23 22:25	1
F-53B Minor	<0.31		1.9	0.31	ng/L		07/26/23 05:27	07/27/23 22:25	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	95		25 - 150				07/26/23 05:27	07/27/23 22:25	1
13C5 PFPeA	105		25 - 150				07/26/23 05:27	07/27/23 22:25	1
13C2 PFHxA	100		25 - 150				07/26/23 05:27	07/27/23 22:25	1
13C4 PFHpA	102		25 - 150				07/26/23 05:27	07/27/23 22:25	1
13C4 PFOA	103		25 - 150				07/26/23 05:27	07/27/23 22:25	1
13C5 PFNA	106		25 - 150				07/26/23 05:27	07/27/23 22:25	1
13C2 PFDA	103		25 - 150				07/26/23 05:27	07/27/23 22:25	1
13C2 PFUnA	110		25 - 150				07/26/23 05:27	07/27/23 22:25	1
13C2 PFDoA	107		25 - 150				07/26/23 05:27	07/27/23 22:25	1
13C2 PFTeDA	111		25 - 150				07/26/23 05:27	07/27/23 22:25	1
13C3 PFBS	102		25 - 150				07/26/23 05:27	07/27/23 22:25	1
18O2 PFHxS	104		25 - 150				07/26/23 05:27	07/27/23 22:25	1
13C4 PFOS	110		25 - 150				07/26/23 05:27	07/27/23 22:25	1
13C8 FOSA	124		10 - 150				07/26/23 05:27	07/27/23 22:25	1
d3-NMeFOSAA	113		25 - 150				07/26/23 05:27	07/27/23 22:25	1
d5-NEtFOSAA	115		25 - 150				07/26/23 05:27	07/27/23 22:25	1
d-N-MeFOSA-M	100		10 - 150				07/26/23 05:27	07/27/23 22:25	1
d-N-EtFOSA-M	101		10 - 150				07/26/23 05:27	07/27/23 22:25	1
d7-N-MeFOSE-M	121		10 - 150				07/26/23 05:27	07/27/23 22:25	1
d9-N-EtFOSE-M	111		10 - 150				07/26/23 05:27	07/27/23 22:25	1
M2-4:2 FTS	75		25 - 150				07/26/23 05:27	07/27/23 22:25	1
M2-6:2 FTS	73		25 - 150				07/26/23 05:27	07/27/23 22:25	1
M2-8:2 FTS	78		25 - 150				07/26/23 05:27	07/27/23 22:25	1
13C3 HFPO-DA	100		25 - 150				07/26/23 05:27	07/27/23 22:25	1

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: FB-05
Date Collected: 07/20/23 15:00
Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-27
Matrix: Water

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.5		5.2	2.5	ng/L		07/26/23 05:27	07/27/23 22:35	1
Perfluoropentanoic acid (PFPeA)	<0.51		2.1	0.51	ng/L		07/26/23 05:27	07/27/23 22:35	1
Perfluorohexanoic acid (PFHxA)	<0.60		2.1	0.60	ng/L		07/26/23 05:27	07/27/23 22:35	1
Perfluoroheptanoic acid (PFHpA)	<0.26		2.1	0.26	ng/L		07/26/23 05:27	07/27/23 22:35	1
Perfluorooctanoic acid (PFOA)	<0.88		2.1	0.88	ng/L		07/26/23 05:27	07/27/23 22:35	1
Perfluorononanoic acid (PFNA)	<0.28		2.1	0.28	ng/L		07/26/23 05:27	07/27/23 22:35	1
Perfluorodecanoic acid (PFDA)	<0.32		2.1	0.32	ng/L		07/26/23 05:27	07/27/23 22:35	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.1	1.1	ng/L		07/26/23 05:27	07/27/23 22:35	1
Perfluorododecanoic acid (PFDoA)	<0.57		2.1	0.57	ng/L		07/26/23 05:27	07/27/23 22:35	1
Perfluorotridecanoic acid (PFTriA)	<1.3		2.1	1.3	ng/L		07/26/23 05:27	07/27/23 22:35	1
Perfluorotetradecanoic acid (PFTeA)	<0.76		2.1	0.76	ng/L		07/26/23 05:27	07/27/23 22:35	1
Perfluorobutanesulfonic acid (PFBS)	<0.21		2.1	0.21	ng/L		07/26/23 05:27	07/27/23 22:35	1
Perfluoropentanesulfonic acid (PFPeS)	<0.31		2.1	0.31	ng/L		07/26/23 05:27	07/27/23 22:35	1
Perfluorohexanesulfonic acid (PFHxS)	<0.59		2.1	0.59	ng/L		07/26/23 05:27	07/27/23 22:35	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.20		2.1	0.20	ng/L		07/26/23 05:27	07/27/23 22:35	1
Perfluorooctanesulfonic acid (PFOS)	<0.56		2.1	0.56	ng/L		07/26/23 05:27	07/27/23 22:35	1
Perfluorononanesulfonic acid (PFNS)	<0.38		2.1	0.38	ng/L		07/26/23 05:27	07/27/23 22:35	1
Perfluorodecanesulfonic acid (PFDS)	<0.33		2.1	0.33	ng/L		07/26/23 05:27	07/27/23 22:35	1
Perfluorododecanesulfonic acid (PFDoS)	<1.0		2.1	1.0	ng/L		07/26/23 05:27	07/27/23 22:35	1
Perfluorooctanesulfonamide (FOSA)	<1.0		2.1	1.0	ng/L		07/26/23 05:27	07/27/23 22:35	1
NEtFOSA	<0.90		2.1	0.90	ng/L		07/26/23 05:27	07/27/23 22:35	1
NMeFOSA	<0.44		2.1	0.44	ng/L		07/26/23 05:27	07/27/23 22:35	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<1.2		5.2	1.2	ng/L		07/26/23 05:27	07/27/23 22:35	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<1.3		5.2	1.3	ng/L		07/26/23 05:27	07/27/23 22:35	1
NMeFOSE	<1.4		4.1	1.4	ng/L		07/26/23 05:27	07/27/23 22:35	1
NEtFOSE	<0.88		2.1	0.88	ng/L		07/26/23 05:27	07/27/23 22:35	1
4:2 FTS	<0.25		2.1	0.25	ng/L		07/26/23 05:27	07/27/23 22:35	1
6:2 FTS	<2.6		5.2	2.6	ng/L		07/26/23 05:27	07/27/23 22:35	1
8:2 FTS	<0.48		2.1	0.48	ng/L		07/26/23 05:27	07/27/23 22:35	1
DONA	<0.41		2.1	0.41	ng/L		07/26/23 05:27	07/27/23 22:35	1
HFPO-DA (GenX)	<1.6		4.1	1.6	ng/L		07/26/23 05:27	07/27/23 22:35	1
F-53B Major	<0.25		2.1	0.25	ng/L		07/26/23 05:27	07/27/23 22:35	1
F-53B Minor	<0.33		2.1	0.33	ng/L		07/26/23 05:27	07/27/23 22:35	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	103		25 - 150	07/26/23 05:27	07/27/23 22:35	1
13C5 PFPeA	106		25 - 150	07/26/23 05:27	07/27/23 22:35	1
13C2 PFHxA	104		25 - 150	07/26/23 05:27	07/27/23 22:35	1
13C4 PFHpA	105		25 - 150	07/26/23 05:27	07/27/23 22:35	1
13C4 PFOA	103		25 - 150	07/26/23 05:27	07/27/23 22:35	1
13C5 PFNA	108		25 - 150	07/26/23 05:27	07/27/23 22:35	1
13C2 PFDA	110		25 - 150	07/26/23 05:27	07/27/23 22:35	1
13C2 PFUnA	112		25 - 150	07/26/23 05:27	07/27/23 22:35	1
13C2 PFDoA	110		25 - 150	07/26/23 05:27	07/27/23 22:35	1
13C2 PFTeDA	110		25 - 150	07/26/23 05:27	07/27/23 22:35	1
13C3 PFBS	109		25 - 150	07/26/23 05:27	07/27/23 22:35	1

Eurofins Chicago

Client Sample Results

Client: Ramboll US Corporation
Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: FB-05
Date Collected: 07/20/23 15:00
Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-27
Matrix: Water

Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
18O2 PFHxS	106		25 - 150	07/26/23 05:27	07/27/23 22:35	1
13C4 PFOS	111		25 - 150	07/26/23 05:27	07/27/23 22:35	1
13C8 FOSA	128		10 - 150	07/26/23 05:27	07/27/23 22:35	1
d3-NMeFOSAA	127		25 - 150	07/26/23 05:27	07/27/23 22:35	1
d5-NEtFOSAA	130		25 - 150	07/26/23 05:27	07/27/23 22:35	1
d-N-MeFOSA-M	100		10 - 150	07/26/23 05:27	07/27/23 22:35	1
d-N-EtFOSA-M	103		10 - 150	07/26/23 05:27	07/27/23 22:35	1
d7-N-MeFOSE-M	125		10 - 150	07/26/23 05:27	07/27/23 22:35	1
d9-N-EtFOSE-M	113		10 - 150	07/26/23 05:27	07/27/23 22:35	1
M2-4:2 FTS	84		25 - 150	07/26/23 05:27	07/27/23 22:35	1
M2-6:2 FTS	87		25 - 150	07/26/23 05:27	07/27/23 22:35	1
M2-8:2 FTS	86		25 - 150	07/26/23 05:27	07/27/23 22:35	1
13C3 HFPO-DA	99		25 - 150	07/26/23 05:27	07/27/23 22:35	1

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 500-237064-28

Date Collected: 07/20/23 00:00

Matrix: Water

Date Received: 07/22/23 09:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			08/02/23 10:40	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/02/23 10:40	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/02/23 10:40	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/02/23 10:40	1
Bromoform	<0.48		1.0	0.48	ug/L			08/02/23 10:40	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/02/23 10:40	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/02/23 10:40	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/02/23 10:40	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/02/23 10:40	1
Chloroform	<0.37		2.0	0.37	ug/L			08/02/23 10:40	1
Chloromethane	<0.32		5.0	0.32	ug/L			08/02/23 10:40	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/02/23 10:40	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/02/23 10:40	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			08/02/23 10:40	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/02/23 10:40	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/02/23 10:40	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/02/23 10:40	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/02/23 10:40	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/02/23 10:40	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/02/23 10:40	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/02/23 10:40	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/02/23 10:40	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/02/23 10:40	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/02/23 10:40	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/02/23 10:40	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/02/23 10:40	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/02/23 10:40	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/02/23 10:40	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/02/23 10:40	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/02/23 10:40	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/02/23 10:40	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/02/23 10:40	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			08/02/23 10:40	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/02/23 10:40	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/02/23 10:40	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/02/23 10:40	1
Naphthalene	<0.34		1.0	0.34	ug/L			08/02/23 10:40	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/02/23 10:40	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			08/02/23 10:40	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			08/02/23 10:40	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			08/02/23 10:40	1
Styrene	<0.39		1.0	0.39	ug/L			08/02/23 10:40	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			08/02/23 10:40	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/02/23 10:40	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/02/23 10:40	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			08/02/23 10:40	1
Toluene	<0.15		0.50	0.15	ug/L			08/02/23 10:40	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			08/02/23 10:40	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/02/23 10:40	1

Eurofins Chicago

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 500-237064-28

Date Collected: 07/20/23 00:00

Matrix: Water

Date Received: 07/22/23 09:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/02/23 10:40	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/02/23 10:40	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/02/23 10:40	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/02/23 10:40	1
Trichloroethene	<0.16		0.50	0.16	ug/L			08/02/23 10:40	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/02/23 10:40	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/02/23 10:40	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			08/02/23 10:40	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			08/02/23 10:40	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/02/23 10:40	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			08/02/23 10:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		72 - 124		08/02/23 10:40	1
Dibromofluoromethane (Surr)	100		75 - 120		08/02/23 10:40	1
1,2-Dichloroethane-d4 (Surr)	101		75 - 126		08/02/23 10:40	1
Toluene-d8 (Surr)	94		75 - 120		08/02/23 10:40	1

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: AMEC_MW-14

Lab Sample ID: 500-237064-29

Date Collected: 07/19/23 09:20

Matrix: Water

Date Received: 07/22/23 09:50

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	9.5		4.6	2.2	ng/L		07/26/23 05:27	07/27/23 23:06	1
Perfluoropentanoic acid (PFPeA)	12		1.8	0.45	ng/L		07/26/23 05:27	07/27/23 23:06	1
Perfluorohexanoic acid (PFHxA)	11		1.8	0.53	ng/L		07/26/23 05:27	07/27/23 23:06	1
Perfluoroheptanoic acid (PFHpA)	5.2		1.8	0.23	ng/L		07/26/23 05:27	07/27/23 23:06	1
Perfluorooctanoic acid (PFOA)	120		1.8	0.78	ng/L		07/26/23 05:27	07/27/23 23:06	1
Perfluorononanoic acid (PFNA)	<0.25		1.8	0.25	ng/L		07/26/23 05:27	07/27/23 23:06	1
Perfluorodecanoic acid (PFDA)	<0.29		1.8	0.29	ng/L		07/26/23 05:27	07/27/23 23:06	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.8	1.0	ng/L		07/26/23 05:27	07/27/23 23:06	1
Perfluorododecanoic acid (PFDoA)	<0.51		1.8	0.51	ng/L		07/26/23 05:27	07/27/23 23:06	1
Perfluorotridecanoic acid (PFTriA)	<1.2		1.8	1.2	ng/L		07/26/23 05:27	07/27/23 23:06	1
Perfluorobutanesulfonic acid (PFBS)	2.6		1.8	0.18	ng/L		07/26/23 05:27	07/27/23 23:06	1
Perfluoropentanesulfonic acid (PFPeS)	0.44	J I	1.8	0.28	ng/L		07/26/23 05:27	07/27/23 23:06	1
Perfluorohexanesulfonic acid (PFHxS)	4.2		1.8	0.52	ng/L		07/26/23 05:27	07/27/23 23:06	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.17		1.8	0.17	ng/L		07/26/23 05:27	07/27/23 23:06	1
Perfluorooctanesulfonic acid (PFOS)	4.7		1.8	0.50	ng/L		07/26/23 05:27	07/27/23 23:06	1
Perfluorononanesulfonic acid (PFNS)	<0.34		1.8	0.34	ng/L		07/26/23 05:27	07/27/23 23:06	1
Perfluorodecanesulfonic acid (PFDS)	<0.29		1.8	0.29	ng/L		07/26/23 05:27	07/27/23 23:06	1
Perfluorododecanesulfonic acid (PFDoS)	<0.89		1.8	0.89	ng/L		07/26/23 05:27	07/27/23 23:06	1
Perfluorooctanesulfonamide (FOSA)	<0.90		1.8	0.90	ng/L		07/26/23 05:27	07/27/23 23:06	1
NEtFOSA	<0.80		1.8	0.80	ng/L		07/26/23 05:27	07/27/23 23:06	1
NMeFOSA	<0.40		1.8	0.40	ng/L		07/26/23 05:27	07/27/23 23:06	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<1.1		4.6	1.1	ng/L		07/26/23 05:27	07/27/23 23:06	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<1.2		4.6	1.2	ng/L		07/26/23 05:27	07/27/23 23:06	1
NMeFOSE	<1.3		3.7	1.3	ng/L		07/26/23 05:27	07/27/23 23:06	1
NEtFOSE	<0.78		1.8	0.78	ng/L		07/26/23 05:27	07/27/23 23:06	1
4:2 FTS	<0.22		1.8	0.22	ng/L		07/26/23 05:27	07/27/23 23:06	1
6:2 FTS	<2.3		4.6	2.3	ng/L		07/26/23 05:27	07/27/23 23:06	1
8:2 FTS	<0.42		1.8	0.42	ng/L		07/26/23 05:27	07/27/23 23:06	1
DONA	<0.37		1.8	0.37	ng/L		07/26/23 05:27	07/27/23 23:06	1
HFPO-DA (GenX)	<1.4		3.7	1.4	ng/L		07/26/23 05:27	07/27/23 23:06	1
F-53B Major	<0.22		1.8	0.22	ng/L		07/26/23 05:27	07/27/23 23:06	1
F-53B Minor	<0.29		1.8	0.29	ng/L		07/26/23 05:27	07/27/23 23:06	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	66		25 - 150	07/26/23 05:27	07/27/23 23:06	1
13C5 PFPeA	88		25 - 150	07/26/23 05:27	07/27/23 23:06	1
13C2 PFHxA	90		25 - 150	07/26/23 05:27	07/27/23 23:06	1
13C4 PFHpA	91		25 - 150	07/26/23 05:27	07/27/23 23:06	1
13C4 PFOA	99		25 - 150	07/26/23 05:27	07/27/23 23:06	1
13C5 PFNA	91		25 - 150	07/26/23 05:27	07/27/23 23:06	1
13C2 PFDA	86		25 - 150	07/26/23 05:27	07/27/23 23:06	1
13C2 PFUnA	74		25 - 150	07/26/23 05:27	07/27/23 23:06	1
13C2 PFDoA	46		25 - 150	07/26/23 05:27	07/27/23 23:06	1
13C3 PFBS	89		25 - 150	07/26/23 05:27	07/27/23 23:06	1

Eurofins Chicago

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: AMEC_MW-14

Lab Sample ID: 500-237064-29

Date Collected: 07/19/23 09:20

Matrix: Water

Date Received: 07/22/23 09:50

Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
18O2 PFHxS	83		25 - 150	07/26/23 05:27	07/27/23 23:06	1
13C4 PFOS	65		25 - 150	07/26/23 05:27	07/27/23 23:06	1
13C8 FOSA	103		10 - 150	07/26/23 05:27	07/27/23 23:06	1
d3-NMeFOSAA	83		25 - 150	07/26/23 05:27	07/27/23 23:06	1
d5-NEtFOSAA	66		25 - 150	07/26/23 05:27	07/27/23 23:06	1
d-N-MeFOSA-M	47		10 - 150	07/26/23 05:27	07/27/23 23:06	1
d-N-EtFOSA-M	32		10 - 150	07/26/23 05:27	07/27/23 23:06	1
d7-N-MeFOSE-M	24		10 - 150	07/26/23 05:27	07/27/23 23:06	1
d9-N-EtFOSE-M	12		10 - 150	07/26/23 05:27	07/27/23 23:06	1
M2-4:2 FTS	80		25 - 150	07/26/23 05:27	07/27/23 23:06	1
M2-6:2 FTS	74		25 - 150	07/26/23 05:27	07/27/23 23:06	1
M2-8:2 FTS	64		25 - 150	07/26/23 05:27	07/27/23 23:06	1
13C3 HFPO-DA	87		25 - 150	07/26/23 05:27	07/27/23 23:06	1

Method: EPA 537 (modified) - Fluorinated Alkyl Substances - RE

<i>Analyte</i>	<i>Result</i>	<i>Qualifier</i>	<i>RL</i>	<i>MDL</i>	<i>Unit</i>	<i>D</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
Perfluorotetradecanoic acid (PFTeA)	<7.3		20	7.3	ng/L		08/03/23 04:27	08/03/23 17:20	1

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C2 PFTeDA	84		25 - 150	08/03/23 04:27	08/03/23 17:20	1

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: AMEC_MW-15

Lab Sample ID: 500-237064-30

Date Collected: 07/20/23 14:22

Matrix: Water

Date Received: 07/22/23 09:50

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	17		4.5	2.2	ng/L		07/26/23 05:27	07/27/23 23:16	1
Perfluoropentanoic acid (PFPeA)	11		1.8	0.44	ng/L		07/26/23 05:27	07/27/23 23:16	1
Perfluorohexanoic acid (PFHxA)	8.4		1.8	0.52	ng/L		07/26/23 05:27	07/27/23 23:16	1
Perfluoroheptanoic acid (PFHpA)	6.6		1.8	0.23	ng/L		07/26/23 05:27	07/27/23 23:16	1
Perfluorooctanoic acid (PFOA)	220		1.8	0.77	ng/L		07/26/23 05:27	07/27/23 23:16	1
Perfluorononanoic acid (PFNA)	<0.24		1.8	0.24	ng/L		07/26/23 05:27	07/27/23 23:16	1
Perfluorodecanoic acid (PFDA)	<0.28		1.8	0.28	ng/L		07/26/23 05:27	07/27/23 23:16	1
Perfluoroundecanoic acid (PFUnA)	<0.99		1.8	0.99	ng/L		07/26/23 05:27	07/27/23 23:16	1
Perfluorododecanoic acid (PFDoA)	<0.50		1.8	0.50	ng/L		07/26/23 05:27	07/27/23 23:16	1
Perfluorotridecanoic acid (PFTriA)	<1.2		1.8	1.2	ng/L		07/26/23 05:27	07/27/23 23:16	1
Perfluorotetradecanoic acid (PFTeA)	<0.66		1.8	0.66	ng/L		07/26/23 05:27	07/27/23 23:16	1
Perfluorobutanesulfonic acid (PFBS)	3.6		1.8	0.18	ng/L		07/26/23 05:27	07/27/23 23:16	1
Perfluoropentanesulfonic acid (PFPeS)	<0.27		1.8	0.27	ng/L		07/26/23 05:27	07/27/23 23:16	1
Perfluorohexanesulfonic acid (PFHxS)	3.1		1.8	0.51	ng/L		07/26/23 05:27	07/27/23 23:16	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.17		1.8	0.17	ng/L		07/26/23 05:27	07/27/23 23:16	1
Perfluorooctanesulfonic acid (PFOS)	<0.49		1.8	0.49	ng/L		07/26/23 05:27	07/27/23 23:16	1
Perfluorononanesulfonic acid (PFNS)	<0.33		1.8	0.33	ng/L		07/26/23 05:27	07/27/23 23:16	1
Perfluorodecanesulfonic acid (PFDS)	<0.29		1.8	0.29	ng/L		07/26/23 05:27	07/27/23 23:16	1
Perfluorododecanesulfonic acid (PFDoS)	<0.88		1.8	0.88	ng/L		07/26/23 05:27	07/27/23 23:16	1
Perfluorooctanesulfonamide (FOSA)	<0.88		1.8	0.88	ng/L		07/26/23 05:27	07/27/23 23:16	1
NEtFOSA	<0.79		1.8	0.79	ng/L		07/26/23 05:27	07/27/23 23:16	1
NMeFOSA	<0.39		1.8	0.39	ng/L		07/26/23 05:27	07/27/23 23:16	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<1.1		4.5	1.1	ng/L		07/26/23 05:27	07/27/23 23:16	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<1.2		4.5	1.2	ng/L		07/26/23 05:27	07/27/23 23:16	1
NMeFOSE	<1.3		3.6	1.3	ng/L		07/26/23 05:27	07/27/23 23:16	1
NEtFOSE	<0.77		1.8	0.77	ng/L		07/26/23 05:27	07/27/23 23:16	1
4:2 FTS	<0.22		1.8	0.22	ng/L		07/26/23 05:27	07/27/23 23:16	1
6:2 FTS	<2.3		4.5	2.3	ng/L		07/26/23 05:27	07/27/23 23:16	1
8:2 FTS	<0.42		1.8	0.42	ng/L		07/26/23 05:27	07/27/23 23:16	1
DONA	<0.36		1.8	0.36	ng/L		07/26/23 05:27	07/27/23 23:16	1
HFPO-DA (GenX)	<1.4		3.6	1.4	ng/L		07/26/23 05:27	07/27/23 23:16	1
F-53B Major	<0.22		1.8	0.22	ng/L		07/26/23 05:27	07/27/23 23:16	1
F-53B Minor	<0.29		1.8	0.29	ng/L		07/26/23 05:27	07/27/23 23:16	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	50		25 - 150	07/26/23 05:27	07/27/23 23:16	1
13C5 PFPeA	76		25 - 150	07/26/23 05:27	07/27/23 23:16	1
13C2 PFHxA	84		25 - 150	07/26/23 05:27	07/27/23 23:16	1
13C4 PFHpA	89		25 - 150	07/26/23 05:27	07/27/23 23:16	1
13C4 PFOA	102		25 - 150	07/26/23 05:27	07/27/23 23:16	1
13C5 PFNA	95		25 - 150	07/26/23 05:27	07/27/23 23:16	1
13C2 PFDA	97		25 - 150	07/26/23 05:27	07/27/23 23:16	1
13C2 PFUnA	94		25 - 150	07/26/23 05:27	07/27/23 23:16	1
13C2 PFDoA	89		25 - 150	07/26/23 05:27	07/27/23 23:16	1
13C2 PFTeDA	82		25 - 150	07/26/23 05:27	07/27/23 23:16	1

Euofins Chicago

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: AMEC_MW-15

Lab Sample ID: 500-237064-30

Date Collected: 07/20/23 14:22

Matrix: Water

Date Received: 07/22/23 09:50

Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C3 PFBS	96		25 - 150	07/26/23 05:27	07/27/23 23:16	1
18O2 PFHxS	89		25 - 150	07/26/23 05:27	07/27/23 23:16	1
13C4 PFOS	95		25 - 150	07/26/23 05:27	07/27/23 23:16	1
13C8 FOSA	118		10 - 150	07/26/23 05:27	07/27/23 23:16	1
d3-NMeFOSAA	109		25 - 150	07/26/23 05:27	07/27/23 23:16	1
d5-NEtFOSAA	112		25 - 150	07/26/23 05:27	07/27/23 23:16	1
d-N-MeFOSA-M	87		10 - 150	07/26/23 05:27	07/27/23 23:16	1
d-N-EtFOSA-M	84		10 - 150	07/26/23 05:27	07/27/23 23:16	1
d7-N-MeFOSE-M	90		10 - 150	07/26/23 05:27	07/27/23 23:16	1
d9-N-EtFOSE-M	85		10 - 150	07/26/23 05:27	07/27/23 23:16	1
M2-4:2 FTS	111		25 - 150	07/26/23 05:27	07/27/23 23:16	1
M2-6:2 FTS	117		25 - 150	07/26/23 05:27	07/27/23 23:16	1
M2-8:2 FTS	101		25 - 150	07/26/23 05:27	07/27/23 23:16	1
13C3 HFPO-DA	85		25 - 150	07/26/23 05:27	07/27/23 23:16	1

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: AMEC_MW-16

Lab Sample ID: 500-237064-31

Date Collected: 07/19/23 14:33

Matrix: Water

Date Received: 07/22/23 09:50

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	7.2		4.5	2.2	ng/L		07/26/23 05:27	07/27/23 23:26	1
Perfluoropentanoic acid (PFPeA)	2.2		1.8	0.44	ng/L		07/26/23 05:27	07/27/23 23:26	1
Perfluorohexanoic acid (PFHxA)	9.2		1.8	0.52	ng/L		07/26/23 05:27	07/27/23 23:26	1
Perfluoroheptanoic acid (PFHpA)	29		1.8	0.23	ng/L		07/26/23 05:27	07/27/23 23:26	1
Perfluorononanoic acid (PFNA)	0.55	J	1.8	0.24	ng/L		07/26/23 05:27	07/27/23 23:26	1
Perfluorodecanoic acid (PFDA)	<0.28		1.8	0.28	ng/L		07/26/23 05:27	07/27/23 23:26	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.8	1.0	ng/L		07/26/23 05:27	07/27/23 23:26	1
Perfluorododecanoic acid (PFDoA)	<0.50		1.8	0.50	ng/L		07/26/23 05:27	07/27/23 23:26	1
Perfluorotridecanoic acid (PFTriA)	<1.2		1.8	1.2	ng/L		07/26/23 05:27	07/27/23 23:26	1
Perfluorotetradecanoic acid (PFTeA)	<0.66		1.8	0.66	ng/L		07/26/23 05:27	07/27/23 23:26	1
Perfluorobutanesulfonic acid (PFBS)	1.0	J	1.8	0.18	ng/L		07/26/23 05:27	07/27/23 23:26	1
Perfluoropentanesulfonic acid (PFPeS)	<0.27		1.8	0.27	ng/L		07/26/23 05:27	07/27/23 23:26	1
Perfluorohexanesulfonic acid (PFHxS)	1.7	J	1.8	0.52	ng/L		07/26/23 05:27	07/27/23 23:26	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.17		1.8	0.17	ng/L		07/26/23 05:27	07/27/23 23:26	1
Perfluorooctanesulfonic acid (PFOS)	<0.49		1.8	0.49	ng/L		07/26/23 05:27	07/27/23 23:26	1
Perfluorononanesulfonic acid (PFNS)	<0.33		1.8	0.33	ng/L		07/26/23 05:27	07/27/23 23:26	1
Perfluorodecanesulfonic acid (PFDS)	<0.29		1.8	0.29	ng/L		07/26/23 05:27	07/27/23 23:26	1
Perfluorododecanesulfonic acid (PFDoS)	<0.88		1.8	0.88	ng/L		07/26/23 05:27	07/27/23 23:26	1
Perfluorooctanesulfonamide (FOSA)	<0.89		1.8	0.89	ng/L		07/26/23 05:27	07/27/23 23:26	1
NEtFOSA	<0.79		1.8	0.79	ng/L		07/26/23 05:27	07/27/23 23:26	1
NMeFOSA	<0.39		1.8	0.39	ng/L		07/26/23 05:27	07/27/23 23:26	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<1.1		4.5	1.1	ng/L		07/26/23 05:27	07/27/23 23:26	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<1.2		4.5	1.2	ng/L		07/26/23 05:27	07/27/23 23:26	1
NMeFOSE	<1.3		3.6	1.3	ng/L		07/26/23 05:27	07/27/23 23:26	1
NEtFOSE	<0.77		1.8	0.77	ng/L		07/26/23 05:27	07/27/23 23:26	1
4:2 FTS	<0.22		1.8	0.22	ng/L		07/26/23 05:27	07/27/23 23:26	1
6:2 FTS	<2.3		4.5	2.3	ng/L		07/26/23 05:27	07/27/23 23:26	1
8:2 FTS	<0.42		1.8	0.42	ng/L		07/26/23 05:27	07/27/23 23:26	1
DONA	<0.36		1.8	0.36	ng/L		07/26/23 05:27	07/27/23 23:26	1
HFPO-DA (GenX)	<1.4		3.6	1.4	ng/L		07/26/23 05:27	07/27/23 23:26	1
F-53B Major	<0.22		1.8	0.22	ng/L		07/26/23 05:27	07/27/23 23:26	1
F-53B Minor	<0.29		1.8	0.29	ng/L		07/26/23 05:27	07/27/23 23:26	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	52		25 - 150				07/26/23 05:27	07/27/23 23:26	1
13C5 PFPeA	73		25 - 150				07/26/23 05:27	07/27/23 23:26	1
13C2 PFHxA	84		25 - 150				07/26/23 05:27	07/27/23 23:26	1
13C4 PFHpA	91		25 - 150				07/26/23 05:27	07/27/23 23:26	1
13C5 PFNA	98		25 - 150				07/26/23 05:27	07/27/23 23:26	1
13C2 PFDA	97		25 - 150				07/26/23 05:27	07/27/23 23:26	1
13C2 PFUnA	100		25 - 150				07/26/23 05:27	07/27/23 23:26	1
13C2 PFDoA	95		25 - 150				07/26/23 05:27	07/27/23 23:26	1
13C2 PFTeDA	90		25 - 150				07/26/23 05:27	07/27/23 23:26	1
13C3 PFBS	90		25 - 150				07/26/23 05:27	07/27/23 23:26	1
18O2 PFHxS	98		25 - 150				07/26/23 05:27	07/27/23 23:26	1

Euofins Chicago

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: AMEC_MW-16

Lab Sample ID: 500-237064-31

Date Collected: 07/19/23 14:33

Matrix: Water

Date Received: 07/22/23 09:50

Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C4 PFOS	101		25 - 150	07/26/23 05:27	07/27/23 23:26	1
13C8 FOSA	124		10 - 150	07/26/23 05:27	07/27/23 23:26	1
d3-NMeFOSAA	103		25 - 150	07/26/23 05:27	07/27/23 23:26	1
d5-NEtFOSAA	115		25 - 150	07/26/23 05:27	07/27/23 23:26	1
d-N-MeFOSA-M	90		10 - 150	07/26/23 05:27	07/27/23 23:26	1
d-N-EtFOSA-M	86		10 - 150	07/26/23 05:27	07/27/23 23:26	1
d7-N-MeFOSE-M	102		10 - 150	07/26/23 05:27	07/27/23 23:26	1
d9-N-EtFOSE-M	99		10 - 150	07/26/23 05:27	07/27/23 23:26	1
M2-4:2 FTS	89		25 - 150	07/26/23 05:27	07/27/23 23:26	1
M2-6:2 FTS	86		25 - 150	07/26/23 05:27	07/27/23 23:26	1
M2-8:2 FTS	81		25 - 150	07/26/23 05:27	07/27/23 23:26	1
13C3 HFPO-DA	84		25 - 150	07/26/23 05:27	07/27/23 23:26	1

Method: EPA 537 (modified) - Fluorinated Alkyl Substances - DL

<i>Analyte</i>	<i>Result</i>	<i>Qualifier</i>	<i>RL</i>	<i>MDL</i>	<i>Unit</i>	<i>D</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
Perfluorooctanoic acid (PFOA)	520		9.1	3.8	ng/L		07/26/23 05:27	07/30/23 07:46	5
<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C4 PFOA	97		25 - 150				07/26/23 05:27	07/30/23 07:46	5

Client Sample Results

Client: Ramboll US Corporation
Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: AMEC_MW-16A

Lab Sample ID: 500-237064-32

Date Collected: 07/19/23 15:12

Matrix: Water

Date Received: 07/22/23 09:50

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.1		4.5	2.1	ng/L		07/26/23 05:27	07/27/23 23:36	1
Perfluoropentanoic acid (PFPeA)	1.2	J	1.8	0.44	ng/L		07/26/23 05:27	07/27/23 23:36	1
Perfluorohexanoic acid (PFHxA)	1.6	J	1.8	0.52	ng/L		07/26/23 05:27	07/27/23 23:36	1
Perfluoroheptanoic acid (PFHpA)	1.1	J	1.8	0.22	ng/L		07/26/23 05:27	07/27/23 23:36	1
Perfluorooctanoic acid (PFOA)	7.1		1.8	0.76	ng/L		07/26/23 05:27	07/27/23 23:36	1
Perfluorononanoic acid (PFNA)	<0.24		1.8	0.24	ng/L		07/26/23 05:27	07/27/23 23:36	1
Perfluorodecanoic acid (PFDA)	<0.28		1.8	0.28	ng/L		07/26/23 05:27	07/27/23 23:36	1
Perfluoroundecanoic acid (PFUnA)	<0.98		1.8	0.98	ng/L		07/26/23 05:27	07/27/23 23:36	1
Perfluorododecanoic acid (PFDoA)	<0.49		1.8	0.49	ng/L		07/26/23 05:27	07/27/23 23:36	1
Perfluorotridecanoic acid (PFTriA)	<1.2		1.8	1.2	ng/L		07/26/23 05:27	07/27/23 23:36	1
Perfluorotetradecanoic acid (PFTeA)	<0.65		1.8	0.65	ng/L		07/26/23 05:27	07/27/23 23:36	1
Perfluorobutanesulfonic acid (PFBS)	<0.18		1.8	0.18	ng/L		07/26/23 05:27	07/27/23 23:36	1
Perfluoropentanesulfonic acid (PFPeS)	<0.27		1.8	0.27	ng/L		07/26/23 05:27	07/27/23 23:36	1
Perfluorohexanesulfonic acid (PFHxS)	0.65	J	1.8	0.51	ng/L		07/26/23 05:27	07/27/23 23:36	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.17		1.8	0.17	ng/L		07/26/23 05:27	07/27/23 23:36	1
Perfluorooctanesulfonic acid (PFOS)	<0.48		1.8	0.48	ng/L		07/26/23 05:27	07/27/23 23:36	1
Perfluorononanesulfonic acid (PFNS)	<0.33		1.8	0.33	ng/L		07/26/23 05:27	07/27/23 23:36	1
Perfluorodecanesulfonic acid (PFDS)	<0.29		1.8	0.29	ng/L		07/26/23 05:27	07/27/23 23:36	1
Perfluorododecanesulfonic acid (PFDoS)	<0.87		1.8	0.87	ng/L		07/26/23 05:27	07/27/23 23:36	1
Perfluorooctanesulfonamide (FOSA)	<0.87		1.8	0.87	ng/L		07/26/23 05:27	07/27/23 23:36	1
NEtFOSA	<0.78		1.8	0.78	ng/L		07/26/23 05:27	07/27/23 23:36	1
NMeFOSA	<0.38		1.8	0.38	ng/L		07/26/23 05:27	07/27/23 23:36	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<1.1		4.5	1.1	ng/L		07/26/23 05:27	07/27/23 23:36	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<1.2		4.5	1.2	ng/L		07/26/23 05:27	07/27/23 23:36	1
NMeFOSE	<1.2		3.6	1.2	ng/L		07/26/23 05:27	07/27/23 23:36	1
NEtFOSE	<0.76		1.8	0.76	ng/L		07/26/23 05:27	07/27/23 23:36	1
4:2 FTS	<0.21		1.8	0.21	ng/L		07/26/23 05:27	07/27/23 23:36	1
6:2 FTS	<2.2		4.5	2.2	ng/L		07/26/23 05:27	07/27/23 23:36	1
8:2 FTS	<0.41		1.8	0.41	ng/L		07/26/23 05:27	07/27/23 23:36	1
DONA	<0.36		1.8	0.36	ng/L		07/26/23 05:27	07/27/23 23:36	1
HFPO-DA (GenX)	<1.3		3.6	1.3	ng/L		07/26/23 05:27	07/27/23 23:36	1
F-53B Major	<0.21		1.8	0.21	ng/L		07/26/23 05:27	07/27/23 23:36	1
F-53B Minor	<0.29		1.8	0.29	ng/L		07/26/23 05:27	07/27/23 23:36	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	81		25 - 150				07/26/23 05:27	07/27/23 23:36	1
13C5 PFPeA	97		25 - 150				07/26/23 05:27	07/27/23 23:36	1
13C2 PFHxA	99		25 - 150				07/26/23 05:27	07/27/23 23:36	1
13C4 PFHpA	103		25 - 150				07/26/23 05:27	07/27/23 23:36	1
13C4 PFOA	101		25 - 150				07/26/23 05:27	07/27/23 23:36	1
13C5 PFNA	100		25 - 150				07/26/23 05:27	07/27/23 23:36	1
13C2 PFDA	102		25 - 150				07/26/23 05:27	07/27/23 23:36	1
13C2 PFUnA	104		25 - 150				07/26/23 05:27	07/27/23 23:36	1
13C2 PFDoA	99		25 - 150				07/26/23 05:27	07/27/23 23:36	1
13C2 PFTeDA	94		25 - 150				07/26/23 05:27	07/27/23 23:36	1
13C3 PFBS	101		25 - 150				07/26/23 05:27	07/27/23 23:36	1

Euofins Chicago

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: AMEC_MW-16A

Lab Sample ID: 500-237064-32

Date Collected: 07/19/23 15:12

Matrix: Water

Date Received: 07/22/23 09:50

Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
18O2 PFHxS	101		25 - 150	07/26/23 05:27	07/27/23 23:36	1
13C4 PFOS	107		25 - 150	07/26/23 05:27	07/27/23 23:36	1
13C8 FOSA	131		10 - 150	07/26/23 05:27	07/27/23 23:36	1
d3-NMeFOSAA	125		25 - 150	07/26/23 05:27	07/27/23 23:36	1
d5-NEtFOSAA	124		25 - 150	07/26/23 05:27	07/27/23 23:36	1
d-N-MeFOSA-M	102		10 - 150	07/26/23 05:27	07/27/23 23:36	1
d-N-EtFOSA-M	102		10 - 150	07/26/23 05:27	07/27/23 23:36	1
d7-N-MeFOSE-M	107		10 - 150	07/26/23 05:27	07/27/23 23:36	1
d9-N-EtFOSE-M	99		10 - 150	07/26/23 05:27	07/27/23 23:36	1
M2-4:2 FTS	79		25 - 150	07/26/23 05:27	07/27/23 23:36	1
M2-6:2 FTS	81		25 - 150	07/26/23 05:27	07/27/23 23:36	1
M2-8:2 FTS	84		25 - 150	07/26/23 05:27	07/27/23 23:36	1
13C3 HFPO-DA	95		25 - 150	07/26/23 05:27	07/27/23 23:36	1

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: AMEC_MW-17

Lab Sample ID: 500-237064-33

Date Collected: 07/20/23 09:37

Matrix: Water

Date Received: 07/22/23 09:50

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	7.4		4.5	2.2	ng/L		07/26/23 05:35	07/28/23 00:48	1
Perfluoropentanoic acid (PFPeA)	1.8		1.8	0.44	ng/L		07/26/23 05:35	07/28/23 00:48	1
Perfluorohexanoic acid (PFHxA)	1.5	J	1.8	0.52	ng/L		07/26/23 05:35	07/28/23 00:48	1
Perfluoroheptanoic acid (PFHpA)	1.9		1.8	0.23	ng/L		07/26/23 05:35	07/28/23 00:48	1
Perfluorooctanoic acid (PFOA)	52		1.8	0.77	ng/L		07/26/23 05:35	07/28/23 00:48	1
Perfluorononanoic acid (PFNA)	0.45	J	1.8	0.24	ng/L		07/26/23 05:35	07/28/23 00:48	1
Perfluorodecanoic acid (PFDA)	<0.28		1.8	0.28	ng/L		07/26/23 05:35	07/28/23 00:48	1
Perfluoroundecanoic acid (PFUnA)	<0.99		1.8	0.99	ng/L		07/26/23 05:35	07/28/23 00:48	1
Perfluorododecanoic acid (PFDoA)	<0.50		1.8	0.50	ng/L		07/26/23 05:35	07/28/23 00:48	1
Perfluorotridecanoic acid (PFTriA)	<1.2		1.8	1.2	ng/L		07/26/23 05:35	07/28/23 00:48	1
Perfluorotetradecanoic acid (PFTeA)	<0.66		1.8	0.66	ng/L		07/26/23 05:35	07/28/23 00:48	1
Perfluorobutanesulfonic acid (PFBS)	2.2		1.8	0.18	ng/L		07/26/23 05:35	07/28/23 00:48	1
Perfluoropentanesulfonic acid (PFPeS)	<0.27		1.8	0.27	ng/L		07/26/23 05:35	07/28/23 00:48	1
Perfluorohexanesulfonic acid (PFHxS)	0.90	J	1.8	0.51	ng/L		07/26/23 05:35	07/28/23 00:48	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.17		1.8	0.17	ng/L		07/26/23 05:35	07/28/23 00:48	1
Perfluorooctanesulfonic acid (PFOS)	1.6	J	1.8	0.49	ng/L		07/26/23 05:35	07/28/23 00:48	1
Perfluorononanesulfonic acid (PFNS)	<0.33		1.8	0.33	ng/L		07/26/23 05:35	07/28/23 00:48	1
Perfluorodecanesulfonic acid (PFDS)	<0.29		1.8	0.29	ng/L		07/26/23 05:35	07/28/23 00:48	1
Perfluorododecanesulfonic acid (PFDoS)	<0.88		1.8	0.88	ng/L		07/26/23 05:35	07/28/23 00:48	1
Perfluorooctanesulfonamide (FOSA)	<0.88		1.8	0.88	ng/L		07/26/23 05:35	07/28/23 00:48	1
NEtFOSA	<0.78		1.8	0.78	ng/L		07/26/23 05:35	07/28/23 00:48	1
NMeFOSA	<0.39		1.8	0.39	ng/L		07/26/23 05:35	07/28/23 00:48	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<1.1		4.5	1.1	ng/L		07/26/23 05:35	07/28/23 00:48	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<1.2		4.5	1.2	ng/L		07/26/23 05:35	07/28/23 00:48	1
NMeFOSE	<1.3		3.6	1.3	ng/L		07/26/23 05:35	07/28/23 00:48	1
NEtFOSE	<0.77		1.8	0.77	ng/L		07/26/23 05:35	07/28/23 00:48	1
4:2 FTS	<0.22		1.8	0.22	ng/L		07/26/23 05:35	07/28/23 00:48	1
6:2 FTS	<2.3		4.5	2.3	ng/L		07/26/23 05:35	07/28/23 00:48	1
8:2 FTS	<0.42		1.8	0.42	ng/L		07/26/23 05:35	07/28/23 00:48	1
DONA	<0.36		1.8	0.36	ng/L		07/26/23 05:35	07/28/23 00:48	1
HFPO-DA (GenX)	<1.4		3.6	1.4	ng/L		07/26/23 05:35	07/28/23 00:48	1
F-53B Major	<0.22		1.8	0.22	ng/L		07/26/23 05:35	07/28/23 00:48	1
F-53B Minor	<0.29		1.8	0.29	ng/L		07/26/23 05:35	07/28/23 00:48	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	83		25 - 150	07/26/23 05:35	07/28/23 00:48	1
13C5 PFPeA	97		25 - 150	07/26/23 05:35	07/28/23 00:48	1
13C2 PFHxA	98		25 - 150	07/26/23 05:35	07/28/23 00:48	1
13C4 PFHpA	99		25 - 150	07/26/23 05:35	07/28/23 00:48	1
13C4 PFOA	105		25 - 150	07/26/23 05:35	07/28/23 00:48	1
13C5 PFNA	101		25 - 150	07/26/23 05:35	07/28/23 00:48	1
13C2 PFDA	102		25 - 150	07/26/23 05:35	07/28/23 00:48	1
13C2 PFUnA	104		25 - 150	07/26/23 05:35	07/28/23 00:48	1
13C2 PFDoA	97		25 - 150	07/26/23 05:35	07/28/23 00:48	1

Eurofins Chicago

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: AMEC_MW-17

Lab Sample ID: 500-237064-33

Date Collected: 07/20/23 09:37

Matrix: Water

Date Received: 07/22/23 09:50

Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C2 PFTeDA	98		25 - 150	07/26/23 05:35	07/28/23 00:48	1
13C3 PFBS	101		25 - 150	07/26/23 05:35	07/28/23 00:48	1
18O2 PFHxS	103		25 - 150	07/26/23 05:35	07/28/23 00:48	1
13C4 PFOS	105		25 - 150	07/26/23 05:35	07/28/23 00:48	1
13C8 FOSA	128		10 - 150	07/26/23 05:35	07/28/23 00:48	1
d3-NMeFOSAA	120		25 - 150	07/26/23 05:35	07/28/23 00:48	1
d5-NEtFOSAA	123		25 - 150	07/26/23 05:35	07/28/23 00:48	1
d-N-MeFOSA-M	94		10 - 150	07/26/23 05:35	07/28/23 00:48	1
d-N-EtFOSA-M	90		10 - 150	07/26/23 05:35	07/28/23 00:48	1
d7-N-MeFOSE-M	108		10 - 150	07/26/23 05:35	07/28/23 00:48	1
d9-N-EtFOSE-M	98		10 - 150	07/26/23 05:35	07/28/23 00:48	1
M2-4:2 FTS	85		25 - 150	07/26/23 05:35	07/28/23 00:48	1
M2-6:2 FTS	85		25 - 150	07/26/23 05:35	07/28/23 00:48	1
M2-8:2 FTS	81		25 - 150	07/26/23 05:35	07/28/23 00:48	1
13C3 HFPO-DA	93		25 - 150	07/26/23 05:35	07/28/23 00:48	1

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-121

Lab Sample ID: 500-237064-34

Date Collected: 07/20/23 07:55

Matrix: Water

Date Received: 07/22/23 09:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	50		0.50	0.15	ug/L			08/03/23 13:08	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/03/23 13:08	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/03/23 13:08	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/03/23 13:08	1
Bromoform	<0.48		1.0	0.48	ug/L			08/03/23 13:08	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/03/23 13:08	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/03/23 13:08	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/03/23 13:08	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/03/23 13:08	1
Chloroform	<0.37		2.0	0.37	ug/L			08/03/23 13:08	1
Chloromethane	<0.32		5.0	0.32	ug/L			08/03/23 13:08	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/03/23 13:08	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/03/23 13:08	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			08/03/23 13:08	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/03/23 13:08	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/03/23 13:08	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/03/23 13:08	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/03/23 13:08	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/03/23 13:08	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/03/23 13:08	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/03/23 13:08	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/03/23 13:08	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/03/23 13:08	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/03/23 13:08	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/03/23 13:08	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/03/23 13:08	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/03/23 13:08	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/03/23 13:08	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/03/23 13:08	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/03/23 13:08	1
Ethylbenzene	42		0.50	0.18	ug/L			08/03/23 13:08	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/03/23 13:08	1
Isopropylbenzene	26		1.0	0.39	ug/L			08/03/23 13:08	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/03/23 13:08	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/03/23 13:08	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/03/23 13:08	1
Naphthalene	68		1.0	0.34	ug/L			08/03/23 13:08	1
n-Butylbenzene	8.0		1.0	0.39	ug/L			08/03/23 13:08	1
N-Propylbenzene	33		1.0	0.41	ug/L			08/03/23 13:08	1
p-Isopropyltoluene	6.5		1.0	0.36	ug/L			08/03/23 13:08	1
sec-Butylbenzene	4.8		1.0	0.40	ug/L			08/03/23 13:08	1
Styrene	<0.39		1.0	0.39	ug/L			08/03/23 13:08	1
tert-Butylbenzene	0.64 J		1.0	0.40	ug/L			08/03/23 13:08	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/03/23 13:08	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/03/23 13:08	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			08/03/23 13:08	1
Toluene	<0.15		0.50	0.15	ug/L			08/03/23 13:08	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			08/03/23 13:08	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/03/23 13:08	1

Eurofins Chicago

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-121

Lab Sample ID: 500-237064-34

Date Collected: 07/20/23 07:55

Matrix: Water

Date Received: 07/22/23 09:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/03/23 13:08	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/03/23 13:08	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/03/23 13:08	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/03/23 13:08	1
Trichloroethene	<0.16		0.50	0.16	ug/L			08/03/23 13:08	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/03/23 13:08	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/03/23 13:08	1
1,3,5-Trimethylbenzene	43		1.0	0.25	ug/L			08/03/23 13:08	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/03/23 13:08	1
Xylenes, Total	89		1.0	0.22	ug/L			08/03/23 13:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		72 - 124		08/03/23 13:08	1
Dibromofluoromethane (Surr)	96		75 - 120		08/03/23 13:08	1
1,2-Dichloroethane-d4 (Surr)	99		75 - 126		08/03/23 13:08	1
Toluene-d8 (Surr)	105		75 - 120		08/03/23 13:08	1

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	280		10	3.6	ug/L			08/03/23 22:38	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		72 - 124		08/03/23 22:38	10
Dibromofluoromethane (Surr)	96		75 - 120		08/03/23 22:38	10
1,2-Dichloroethane-d4 (Surr)	95		75 - 126		08/03/23 22:38	10
Toluene-d8 (Surr)	107		75 - 120		08/03/23 22:38	10

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-200

Lab Sample ID: 500-237064-35

Date Collected: 07/19/23 11:24

Matrix: Water

Date Received: 07/22/23 09:50

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	11		4.5	2.2	ng/L		07/26/23 05:35	07/28/23 00:58	1
Perfluoropentanoic acid (PFPeA)	8.0		1.8	0.44	ng/L		07/26/23 05:35	07/28/23 00:58	1
Perfluorohexanoic acid (PFHxA)	7.7		1.8	0.52	ng/L		07/26/23 05:35	07/28/23 00:58	1
Perfluoroheptanoic acid (PFHpA)	5.5		1.8	0.23	ng/L		07/26/23 05:35	07/28/23 00:58	1
Perfluorooctanoic acid (PFOA)	73		1.8	0.77	ng/L		07/26/23 05:35	07/28/23 00:58	1
Perfluorononanoic acid (PFNA)	<0.24		1.8	0.24	ng/L		07/26/23 05:35	07/28/23 00:58	1
Perfluorodecanoic acid (PFDA)	<0.28		1.8	0.28	ng/L		07/26/23 05:35	07/28/23 00:58	1
Perfluoroundecanoic acid (PFUnA)	<0.99		1.8	0.99	ng/L		07/26/23 05:35	07/28/23 00:58	1
Perfluorododecanoic acid (PFDoA)	<0.50		1.8	0.50	ng/L		07/26/23 05:35	07/28/23 00:58	1
Perfluorotridecanoic acid (PFTriA)	<1.2		1.8	1.2	ng/L		07/26/23 05:35	07/28/23 00:58	1
Perfluorotetradecanoic acid (PFTeA)	<0.66		1.8	0.66	ng/L		07/26/23 05:35	07/28/23 00:58	1
Perfluorobutanesulfonic acid (PFBS)	17		1.8	0.18	ng/L		07/26/23 05:35	07/28/23 00:58	1
Perfluoropentanesulfonic acid (PFPeS)	0.56 J		1.8	0.27	ng/L		07/26/23 05:35	07/28/23 00:58	1
Perfluorohexanesulfonic acid (PFHxS)	2.8		1.8	0.51	ng/L		07/26/23 05:35	07/28/23 00:58	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.17		1.8	0.17	ng/L		07/26/23 05:35	07/28/23 00:58	1
Perfluorooctanesulfonic acid (PFOS)	3.0		1.8	0.49	ng/L		07/26/23 05:35	07/28/23 00:58	1
Perfluorononanesulfonic acid (PFNS)	<0.33		1.8	0.33	ng/L		07/26/23 05:35	07/28/23 00:58	1
Perfluorodecanesulfonic acid (PFDS)	<0.29		1.8	0.29	ng/L		07/26/23 05:35	07/28/23 00:58	1
Perfluorododecanesulfonic acid (PFDoS)	<0.87		1.8	0.87	ng/L		07/26/23 05:35	07/28/23 00:58	1
Perfluorooctanesulfonamide (FOSA)	<0.88		1.8	0.88	ng/L		07/26/23 05:35	07/28/23 00:58	1
NEtFOSA	<0.78		1.8	0.78	ng/L		07/26/23 05:35	07/28/23 00:58	1
NMeFOSA	<0.39		1.8	0.39	ng/L		07/26/23 05:35	07/28/23 00:58	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<1.1		4.5	1.1	ng/L		07/26/23 05:35	07/28/23 00:58	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<1.2		4.5	1.2	ng/L		07/26/23 05:35	07/28/23 00:58	1
NMeFOSE	<1.3		3.6	1.3	ng/L		07/26/23 05:35	07/28/23 00:58	1
NEtFOSE	<0.77		1.8	0.77	ng/L		07/26/23 05:35	07/28/23 00:58	1
4:2 FTS	<0.22		1.8	0.22	ng/L		07/26/23 05:35	07/28/23 00:58	1
6:2 FTS	<2.3		4.5	2.3	ng/L		07/26/23 05:35	07/28/23 00:58	1
8:2 FTS	<0.41		1.8	0.41	ng/L		07/26/23 05:35	07/28/23 00:58	1
DONA	<0.36		1.8	0.36	ng/L		07/26/23 05:35	07/28/23 00:58	1
HFPO-DA (GenX)	<1.4		3.6	1.4	ng/L		07/26/23 05:35	07/28/23 00:58	1
F-53B Major	<0.22		1.8	0.22	ng/L		07/26/23 05:35	07/28/23 00:58	1
F-53B Minor	<0.29		1.8	0.29	ng/L		07/26/23 05:35	07/28/23 00:58	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	88		25 - 150	07/26/23 05:35	07/28/23 00:58	1
13C5 PFPeA	95		25 - 150	07/26/23 05:35	07/28/23 00:58	1
13C2 PFHxA	97		25 - 150	07/26/23 05:35	07/28/23 00:58	1
13C4 PFHpA	96		25 - 150	07/26/23 05:35	07/28/23 00:58	1
13C4 PFOA	102		25 - 150	07/26/23 05:35	07/28/23 00:58	1
13C5 PFNA	97		25 - 150	07/26/23 05:35	07/28/23 00:58	1
13C2 PFDA	97		25 - 150	07/26/23 05:35	07/28/23 00:58	1
13C2 PFUnA	96		25 - 150	07/26/23 05:35	07/28/23 00:58	1
13C2 PFDoA	91		25 - 150	07/26/23 05:35	07/28/23 00:58	1

Eurofins Chicago

Client Sample Results

Client: Ramboll US Corporation
Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-200

Lab Sample ID: 500-237064-35

Date Collected: 07/19/23 11:24

Matrix: Water

Date Received: 07/22/23 09:50

Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C2 PFTeDA	88		25 - 150	07/26/23 05:35	07/28/23 00:58	1
13C3 PFBS	98		25 - 150	07/26/23 05:35	07/28/23 00:58	1
18O2 PFHxS	100		25 - 150	07/26/23 05:35	07/28/23 00:58	1
13C4 PFOS	103		25 - 150	07/26/23 05:35	07/28/23 00:58	1
13C8 FOSA	125		10 - 150	07/26/23 05:35	07/28/23 00:58	1
d3-NMeFOSAA	109		25 - 150	07/26/23 05:35	07/28/23 00:58	1
d5-NEtFOSAA	111		25 - 150	07/26/23 05:35	07/28/23 00:58	1
d-N-MeFOSA-M	90		10 - 150	07/26/23 05:35	07/28/23 00:58	1
d-N-EtFOSA-M	83		10 - 150	07/26/23 05:35	07/28/23 00:58	1
d7-N-MeFOSE-M	99		10 - 150	07/26/23 05:35	07/28/23 00:58	1
d9-N-EtFOSE-M	91		10 - 150	07/26/23 05:35	07/28/23 00:58	1
M2-4:2 FTS	75		25 - 150	07/26/23 05:35	07/28/23 00:58	1
M2-6:2 FTS	77		25 - 150	07/26/23 05:35	07/28/23 00:58	1
M2-8:2 FTS	82		25 - 150	07/26/23 05:35	07/28/23 00:58	1
13C3 HFPO-DA	90		25 - 150	07/26/23 05:35	07/28/23 00:58	1

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: PZ-200

Lab Sample ID: 500-237064-36

Date Collected: 07/19/23 10:50

Matrix: Water

Date Received: 07/22/23 09:50

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	2.3	J	4.5	2.2	ng/L		07/26/23 05:35	07/28/23 01:08	1
Perfluoropentanoic acid (PFPeA)	1.0	J	1.8	0.44	ng/L		07/26/23 05:35	07/28/23 01:08	1
Perfluorohexanoic acid (PFHxA)	1.7	J	1.8	0.52	ng/L		07/26/23 05:35	07/28/23 01:08	1
Perfluoroheptanoic acid (PFHpA)	1.4	J	1.8	0.23	ng/L		07/26/23 05:35	07/28/23 01:08	1
Perfluorooctanoic acid (PFOA)	7.1		1.8	0.77	ng/L		07/26/23 05:35	07/28/23 01:08	1
Perfluorononanoic acid (PFNA)	<0.24		1.8	0.24	ng/L		07/26/23 05:35	07/28/23 01:08	1
Perfluorodecanoic acid (PFDA)	<0.28		1.8	0.28	ng/L		07/26/23 05:35	07/28/23 01:08	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.8	1.0	ng/L		07/26/23 05:35	07/28/23 01:08	1
Perfluorododecanoic acid (PFDoA)	<0.50		1.8	0.50	ng/L		07/26/23 05:35	07/28/23 01:08	1
Perfluorotridecanoic acid (PFTriA)	<1.2		1.8	1.2	ng/L		07/26/23 05:35	07/28/23 01:08	1
Perfluorotetradecanoic acid (PFTeA)	<0.66		1.8	0.66	ng/L		07/26/23 05:35	07/28/23 01:08	1
Perfluorobutanesulfonic acid (PFBS)	0.41	J	1.8	0.18	ng/L		07/26/23 05:35	07/28/23 01:08	1
Perfluoropentanesulfonic acid (PFPeS)	<0.27		1.8	0.27	ng/L		07/26/23 05:35	07/28/23 01:08	1
Perfluorohexanesulfonic acid (PFHxS)	<0.52		1.8	0.52	ng/L		07/26/23 05:35	07/28/23 01:08	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.17		1.8	0.17	ng/L		07/26/23 05:35	07/28/23 01:08	1
Perfluorooctanesulfonic acid (PFOS)	<0.49		1.8	0.49	ng/L		07/26/23 05:35	07/28/23 01:08	1
Perfluorononanesulfonic acid (PFNS)	<0.33		1.8	0.33	ng/L		07/26/23 05:35	07/28/23 01:08	1
Perfluorodecanesulfonic acid (PFDS)	<0.29		1.8	0.29	ng/L		07/26/23 05:35	07/28/23 01:08	1
Perfluorododecanesulfonic acid (PFDoS)	<0.88		1.8	0.88	ng/L		07/26/23 05:35	07/28/23 01:08	1
Perfluorooctanesulfonamide (FOSA)	<0.89		1.8	0.89	ng/L		07/26/23 05:35	07/28/23 01:08	1
NEtFOSA	<0.79		1.8	0.79	ng/L		07/26/23 05:35	07/28/23 01:08	1
NMeFOSA	<0.39		1.8	0.39	ng/L		07/26/23 05:35	07/28/23 01:08	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<1.1		4.5	1.1	ng/L		07/26/23 05:35	07/28/23 01:08	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<1.2		4.5	1.2	ng/L		07/26/23 05:35	07/28/23 01:08	1
NMeFOSE	<1.3		3.6	1.3	ng/L		07/26/23 05:35	07/28/23 01:08	1
NEtFOSE	<0.77		1.8	0.77	ng/L		07/26/23 05:35	07/28/23 01:08	1
4:2 FTS	<0.22		1.8	0.22	ng/L		07/26/23 05:35	07/28/23 01:08	1
6:2 FTS	<2.3		4.5	2.3	ng/L		07/26/23 05:35	07/28/23 01:08	1
8:2 FTS	<0.42		1.8	0.42	ng/L		07/26/23 05:35	07/28/23 01:08	1
DONA	<0.36		1.8	0.36	ng/L		07/26/23 05:35	07/28/23 01:08	1
HFPO-DA (GenX)	<1.4		3.6	1.4	ng/L		07/26/23 05:35	07/28/23 01:08	1
F-53B Major	<0.22		1.8	0.22	ng/L		07/26/23 05:35	07/28/23 01:08	1
F-53B Minor	<0.29		1.8	0.29	ng/L		07/26/23 05:35	07/28/23 01:08	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	86		25 - 150				07/26/23 05:35	07/28/23 01:08	1
13C5 PFPeA	98		25 - 150				07/26/23 05:35	07/28/23 01:08	1
13C2 PFHxA	100		25 - 150				07/26/23 05:35	07/28/23 01:08	1
13C4 PFHpA	102		25 - 150				07/26/23 05:35	07/28/23 01:08	1
13C4 PFOA	101		25 - 150				07/26/23 05:35	07/28/23 01:08	1
13C5 PFNA	105		25 - 150				07/26/23 05:35	07/28/23 01:08	1
13C2 PFDA	104		25 - 150				07/26/23 05:35	07/28/23 01:08	1
13C2 PFUnA	104		25 - 150				07/26/23 05:35	07/28/23 01:08	1
13C2 PFDoA	95		25 - 150				07/26/23 05:35	07/28/23 01:08	1
13C2 PFTeDA	96		25 - 150				07/26/23 05:35	07/28/23 01:08	1
13C3 PFBS	105		25 - 150				07/26/23 05:35	07/28/23 01:08	1

Eurofins Chicago

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: PZ-200
Date Collected: 07/19/23 10:50
Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-36
Matrix: Water

Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
18O2 PFHxS	108		25 - 150	07/26/23 05:35	07/28/23 01:08	1
13C4 PFOS	109		25 - 150	07/26/23 05:35	07/28/23 01:08	1
13C8 FOSA	133		10 - 150	07/26/23 05:35	07/28/23 01:08	1
d3-NMeFOSAA	122		25 - 150	07/26/23 05:35	07/28/23 01:08	1
d5-NEtFOSAA	121		25 - 150	07/26/23 05:35	07/28/23 01:08	1
d-N-MeFOSA-M	105		10 - 150	07/26/23 05:35	07/28/23 01:08	1
d-N-EtFOSA-M	100		10 - 150	07/26/23 05:35	07/28/23 01:08	1
d7-N-MeFOSE-M	105		10 - 150	07/26/23 05:35	07/28/23 01:08	1
d9-N-EtFOSE-M	94		10 - 150	07/26/23 05:35	07/28/23 01:08	1
M2-4:2 FTS	87		25 - 150	07/26/23 05:35	07/28/23 01:08	1
M2-6:2 FTS	87		25 - 150	07/26/23 05:35	07/28/23 01:08	1
M2-8:2 FTS	85		25 - 150	07/26/23 05:35	07/28/23 01:08	1
13C3 HFPO-DA	95		25 - 150	07/26/23 05:35	07/28/23 01:08	1

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-209

Lab Sample ID: 500-237064-37

Date Collected: 07/20/23 11:50

Matrix: Water

Date Received: 07/22/23 09:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			08/03/23 13:33	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/03/23 13:33	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/03/23 13:33	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/03/23 13:33	1
Bromoform	<0.48		1.0	0.48	ug/L			08/03/23 13:33	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/03/23 13:33	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/03/23 13:33	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/03/23 13:33	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/03/23 13:33	1
Chloroform	<0.37		2.0	0.37	ug/L			08/03/23 13:33	1
Chloromethane	<0.32		5.0	0.32	ug/L			08/03/23 13:33	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/03/23 13:33	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/03/23 13:33	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			08/03/23 13:33	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/03/23 13:33	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/03/23 13:33	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/03/23 13:33	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/03/23 13:33	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/03/23 13:33	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/03/23 13:33	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/03/23 13:33	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/03/23 13:33	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/03/23 13:33	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/03/23 13:33	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/03/23 13:33	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/03/23 13:33	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/03/23 13:33	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/03/23 13:33	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/03/23 13:33	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/03/23 13:33	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/03/23 13:33	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/03/23 13:33	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			08/03/23 13:33	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/03/23 13:33	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/03/23 13:33	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/03/23 13:33	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/03/23 13:33	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			08/03/23 13:33	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			08/03/23 13:33	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			08/03/23 13:33	1
Styrene	<0.39		1.0	0.39	ug/L			08/03/23 13:33	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			08/03/23 13:33	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/03/23 13:33	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/03/23 13:33	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			08/03/23 13:33	1
Toluene	<0.15		0.50	0.15	ug/L			08/03/23 13:33	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			08/03/23 13:33	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/03/23 13:33	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/03/23 13:33	1

Eurofins Chicago

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-209

Lab Sample ID: 500-237064-37

Date Collected: 07/20/23 11:50

Matrix: Water

Date Received: 07/22/23 09:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/03/23 13:33	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/03/23 13:33	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/03/23 13:33	1
Trichloroethene	<0.16		0.50	0.16	ug/L			08/03/23 13:33	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/03/23 13:33	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/03/23 13:33	1
1,2,4-Trimethylbenzene	0.86	J	1.0	0.36	ug/L			08/03/23 13:33	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			08/03/23 13:33	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/03/23 13:33	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			08/03/23 13:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		72 - 124		08/03/23 13:33	1
Dibromofluoromethane (Surr)	100		75 - 120		08/03/23 13:33	1
1,2-Dichloroethane-d4 (Surr)	103		75 - 126		08/03/23 13:33	1
Toluene-d8 (Surr)	105		75 - 120		08/03/23 13:33	1

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<0.34	H	1.0	0.34	ug/L			08/04/23 13:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		72 - 124		08/04/23 13:50	1
Dibromofluoromethane (Surr)	99		75 - 120		08/04/23 13:50	1
1,2-Dichloroethane-d4 (Surr)	102		75 - 126		08/04/23 13:50	1
Toluene-d8 (Surr)	93		75 - 120		08/04/23 13:50	1

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	7.8		4.5	2.1	ng/L		07/26/23 05:35	07/28/23 01:18	1
Perfluoropentanoic acid (PFPeA)	2.4		1.8	0.44	ng/L		07/26/23 05:35	07/28/23 01:18	1
Perfluorohexanoic acid (PFHxA)	3.7		1.8	0.52	ng/L		07/26/23 05:35	07/28/23 01:18	1
Perfluoroheptanoic acid (PFHpA)	5.9		1.8	0.22	ng/L		07/26/23 05:35	07/28/23 01:18	1
Perfluorooctanoic acid (PFOA)	71		1.8	0.76	ng/L		07/26/23 05:35	07/28/23 01:18	1
Perfluorononanoic acid (PFNA)	0.44	J	1.8	0.24	ng/L		07/26/23 05:35	07/28/23 01:18	1
Perfluorodecanoic acid (PFDA)	<0.28		1.8	0.28	ng/L		07/26/23 05:35	07/28/23 01:18	1
Perfluoroundecanoic acid (PFUnA)	<0.98		1.8	0.98	ng/L		07/26/23 05:35	07/28/23 01:18	1
Perfluorododecanoic acid (PFDoA)	<0.49		1.8	0.49	ng/L		07/26/23 05:35	07/28/23 01:18	1
Perfluorotridecanoic acid (PFTriA)	<1.2		1.8	1.2	ng/L		07/26/23 05:35	07/28/23 01:18	1
Perfluorotetradecanoic acid (PFTeA)	<0.65		1.8	0.65	ng/L		07/26/23 05:35	07/28/23 01:18	1
Perfluorobutanesulfonic acid (PFBS)	2.9		1.8	0.18	ng/L		07/26/23 05:35	07/28/23 01:18	1
Perfluoropentanesulfonic acid (PFPeS)	0.47	J	1.8	0.27	ng/L		07/26/23 05:35	07/28/23 01:18	1
Perfluorohexanesulfonic acid (PFHxS)	7.9		1.8	0.51	ng/L		07/26/23 05:35	07/28/23 01:18	1
Perfluoroheptanesulfonic acid (PFHpS)	0.22	J I	1.8	0.17	ng/L		07/26/23 05:35	07/28/23 01:18	1
Perfluorooctanesulfonic acid (PFOS)	12		1.8	0.48	ng/L		07/26/23 05:35	07/28/23 01:18	1
Perfluorononanesulfonic acid (PFNS)	<0.33		1.8	0.33	ng/L		07/26/23 05:35	07/28/23 01:18	1
Perfluorodecanesulfonic acid (PFDS)	<0.29		1.8	0.29	ng/L		07/26/23 05:35	07/28/23 01:18	1

Eurofins Chicago

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-209

Lab Sample ID: 500-237064-37

Date Collected: 07/20/23 11:50

Matrix: Water

Date Received: 07/22/23 09:50

Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorododecanesulfonic acid (PFDoS)	<0.87		1.8	0.87	ng/L		07/26/23 05:35	07/28/23 01:18	1
Perfluorooctanesulfonamide (FOSA)	<0.88		1.8	0.88	ng/L		07/26/23 05:35	07/28/23 01:18	1
NEtFOSA	<0.78		1.8	0.78	ng/L		07/26/23 05:35	07/28/23 01:18	1
NMeFOSA	<0.38		1.8	0.38	ng/L		07/26/23 05:35	07/28/23 01:18	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<1.1		4.5	1.1	ng/L		07/26/23 05:35	07/28/23 01:18	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<1.2		4.5	1.2	ng/L		07/26/23 05:35	07/28/23 01:18	1
NMeFOSE	<1.3		3.6	1.3	ng/L		07/26/23 05:35	07/28/23 01:18	1
NEtFOSE	<0.76		1.8	0.76	ng/L		07/26/23 05:35	07/28/23 01:18	1
4:2 FTS	<0.21		1.8	0.21	ng/L		07/26/23 05:35	07/28/23 01:18	1
6:2 FTS	<2.2		4.5	2.2	ng/L		07/26/23 05:35	07/28/23 01:18	1
8:2 FTS	<0.41		1.8	0.41	ng/L		07/26/23 05:35	07/28/23 01:18	1
DONA	<0.36		1.8	0.36	ng/L		07/26/23 05:35	07/28/23 01:18	1
HFPO-DA (GenX)	<1.3		3.6	1.3	ng/L		07/26/23 05:35	07/28/23 01:18	1
F-53B Major	<0.21		1.8	0.21	ng/L		07/26/23 05:35	07/28/23 01:18	1
F-53B Minor	<0.29		1.8	0.29	ng/L		07/26/23 05:35	07/28/23 01:18	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	73		25 - 150	07/26/23 05:35	07/28/23 01:18	1
13C5 PFPeA	93		25 - 150	07/26/23 05:35	07/28/23 01:18	1
13C2 PFHxA	96		25 - 150	07/26/23 05:35	07/28/23 01:18	1
13C4 PFHpA	97		25 - 150	07/26/23 05:35	07/28/23 01:18	1
13C4 PFOA	106		25 - 150	07/26/23 05:35	07/28/23 01:18	1
13C5 PFNA	101		25 - 150	07/26/23 05:35	07/28/23 01:18	1
13C2 PFDA	103		25 - 150	07/26/23 05:35	07/28/23 01:18	1
13C2 PFUnA	106		25 - 150	07/26/23 05:35	07/28/23 01:18	1
13C2 PFDoA	100		25 - 150	07/26/23 05:35	07/28/23 01:18	1
13C2 PFTeDA	98		25 - 150	07/26/23 05:35	07/28/23 01:18	1
13C3 PFBS	99		25 - 150	07/26/23 05:35	07/28/23 01:18	1
18O2 PFHxS	98		25 - 150	07/26/23 05:35	07/28/23 01:18	1
13C4 PFOS	105		25 - 150	07/26/23 05:35	07/28/23 01:18	1
13C8 FOSA	127		10 - 150	07/26/23 05:35	07/28/23 01:18	1
d3-NMeFOSAA	116		25 - 150	07/26/23 05:35	07/28/23 01:18	1
d5-NEtFOSAA	120		25 - 150	07/26/23 05:35	07/28/23 01:18	1
d-N-MeFOSA-M	97		10 - 150	07/26/23 05:35	07/28/23 01:18	1
d-N-EtFOSA-M	93		10 - 150	07/26/23 05:35	07/28/23 01:18	1
d7-N-MeFOSE-M	106		10 - 150	07/26/23 05:35	07/28/23 01:18	1
d9-N-EtFOSE-M	100		10 - 150	07/26/23 05:35	07/28/23 01:18	1
M2-4:2 FTS	92		25 - 150	07/26/23 05:35	07/28/23 01:18	1
M2-6:2 FTS	89		25 - 150	07/26/23 05:35	07/28/23 01:18	1
M2-8:2 FTS	87		25 - 150	07/26/23 05:35	07/28/23 01:18	1
13C3 HFPO-DA	90		25 - 150	07/26/23 05:35	07/28/23 01:18	1

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-209 DUP

Lab Sample ID: 500-237064-38

Date Collected: 07/20/23 11:55

Matrix: Water

Date Received: 07/22/23 09:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			08/03/23 13:58	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/03/23 13:58	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/03/23 13:58	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/03/23 13:58	1
Bromoform	<0.48		1.0	0.48	ug/L			08/03/23 13:58	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/03/23 13:58	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/03/23 13:58	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/03/23 13:58	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/03/23 13:58	1
Chloroform	<0.37		2.0	0.37	ug/L			08/03/23 13:58	1
Chloromethane	<0.32		5.0	0.32	ug/L			08/03/23 13:58	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/03/23 13:58	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/03/23 13:58	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			08/03/23 13:58	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/03/23 13:58	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/03/23 13:58	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/03/23 13:58	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/03/23 13:58	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/03/23 13:58	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/03/23 13:58	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/03/23 13:58	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/03/23 13:58	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/03/23 13:58	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/03/23 13:58	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/03/23 13:58	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/03/23 13:58	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/03/23 13:58	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/03/23 13:58	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/03/23 13:58	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/03/23 13:58	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/03/23 13:58	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/03/23 13:58	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			08/03/23 13:58	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/03/23 13:58	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/03/23 13:58	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/03/23 13:58	1
Naphthalene	<0.34		1.0	0.34	ug/L			08/03/23 13:58	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/03/23 13:58	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			08/03/23 13:58	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			08/03/23 13:58	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			08/03/23 13:58	1
Styrene	<0.39		1.0	0.39	ug/L			08/03/23 13:58	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			08/03/23 13:58	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/03/23 13:58	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/03/23 13:58	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			08/03/23 13:58	1
Toluene	<0.15		0.50	0.15	ug/L			08/03/23 13:58	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			08/03/23 13:58	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/03/23 13:58	1

Eurofins Chicago

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-209 DUP

Lab Sample ID: 500-237064-38

Date Collected: 07/20/23 11:55

Matrix: Water

Date Received: 07/22/23 09:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/03/23 13:58	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/03/23 13:58	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/03/23 13:58	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/03/23 13:58	1
Trichloroethene	<0.16		0.50	0.16	ug/L			08/03/23 13:58	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/03/23 13:58	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/03/23 13:58	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			08/03/23 13:58	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			08/03/23 13:58	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/03/23 13:58	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			08/03/23 13:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		72 - 124		08/03/23 13:58	1
Dibromofluoromethane (Surr)	98		75 - 120		08/03/23 13:58	1
1,2-Dichloroethane-d4 (Surr)	102		75 - 126		08/03/23 13:58	1
Toluene-d8 (Surr)	106		75 - 120		08/03/23 13:58	1

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	7.8		4.6	2.2	ng/L		07/26/23 05:35	07/28/23 01:28	1
Perfluoropentanoic acid (PFPeA)	2.3		1.8	0.45	ng/L		07/26/23 05:35	07/28/23 01:28	1
Perfluorohexanoic acid (PFHxA)	4.0		1.8	0.53	ng/L		07/26/23 05:35	07/28/23 01:28	1
Perfluoroheptanoic acid (PFHpA)	5.6		1.8	0.23	ng/L		07/26/23 05:35	07/28/23 01:28	1
Perfluorooctanoic acid (PFOA)	71		1.8	0.77	ng/L		07/26/23 05:35	07/28/23 01:28	1
Perfluorononanoic acid (PFNA)	0.39	J	1.8	0.25	ng/L		07/26/23 05:35	07/28/23 01:28	1
Perfluorodecanoic acid (PFDA)	0.30	J	1.8	0.28	ng/L		07/26/23 05:35	07/28/23 01:28	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.8	1.0	ng/L		07/26/23 05:35	07/28/23 01:28	1
Perfluorododecanoic acid (PFDoA)	<0.50		1.8	0.50	ng/L		07/26/23 05:35	07/28/23 01:28	1
Perfluorotridecanoic acid (PFTriA)	<1.2		1.8	1.2	ng/L		07/26/23 05:35	07/28/23 01:28	1
Perfluorotetradecanoic acid (PFTeA)	<0.67		1.8	0.67	ng/L		07/26/23 05:35	07/28/23 01:28	1
Perfluorobutanesulfonic acid (PFBS)	2.8		1.8	0.18	ng/L		07/26/23 05:35	07/28/23 01:28	1
Perfluoropentanesulfonic acid (PFPeS)	0.46	J	1.8	0.27	ng/L		07/26/23 05:35	07/28/23 01:28	1
Perfluorohexanesulfonic acid (PFHxS)	7.9		1.8	0.52	ng/L		07/26/23 05:35	07/28/23 01:28	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.17		1.8	0.17	ng/L		07/26/23 05:35	07/28/23 01:28	1
Perfluorooctanesulfonic acid (PFOS)	13		1.8	0.49	ng/L		07/26/23 05:35	07/28/23 01:28	1
Perfluorononanesulfonic acid (PFNS)	<0.34		1.8	0.34	ng/L		07/26/23 05:35	07/28/23 01:28	1
Perfluorodecanesulfonic acid (PFDS)	<0.29		1.8	0.29	ng/L		07/26/23 05:35	07/28/23 01:28	1
Perfluorododecanesulfonic acid (PFDoS)	<0.88		1.8	0.88	ng/L		07/26/23 05:35	07/28/23 01:28	1
Perfluorooctanesulfonamide (FOSA)	<0.89		1.8	0.89	ng/L		07/26/23 05:35	07/28/23 01:28	1
NEtFOSA	<0.79		1.8	0.79	ng/L		07/26/23 05:35	07/28/23 01:28	1
NMeFOSA	<0.39		1.8	0.39	ng/L		07/26/23 05:35	07/28/23 01:28	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<1.1		4.6	1.1	ng/L		07/26/23 05:35	07/28/23 01:28	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<1.2		4.6	1.2	ng/L		07/26/23 05:35	07/28/23 01:28	1

Euofins Chicago

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-209 DUP

Lab Sample ID: 500-237064-38

Date Collected: 07/20/23 11:55

Matrix: Water

Date Received: 07/22/23 09:50

Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
NMeFOSE	<1.3		3.6	1.3	ng/L		07/26/23 05:35	07/28/23 01:28	1
NEtFOSE	<0.77		1.8	0.77	ng/L		07/26/23 05:35	07/28/23 01:28	1
4:2 FTS	<0.22		1.8	0.22	ng/L		07/26/23 05:35	07/28/23 01:28	1
6:2 FTS	<2.3		4.6	2.3	ng/L		07/26/23 05:35	07/28/23 01:28	1
8:2 FTS	<0.42		1.8	0.42	ng/L		07/26/23 05:35	07/28/23 01:28	1
DONA	<0.36		1.8	0.36	ng/L		07/26/23 05:35	07/28/23 01:28	1
HFPO-DA (GenX)	<1.4		3.6	1.4	ng/L		07/26/23 05:35	07/28/23 01:28	1
F-53B Major	<0.22		1.8	0.22	ng/L		07/26/23 05:35	07/28/23 01:28	1
F-53B Minor	<0.29		1.8	0.29	ng/L		07/26/23 05:35	07/28/23 01:28	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	75		25 - 150				07/26/23 05:35	07/28/23 01:28	1
13C5 PFPeA	90		25 - 150				07/26/23 05:35	07/28/23 01:28	1
13C2 PFHxA	95		25 - 150				07/26/23 05:35	07/28/23 01:28	1
13C4 PFHpA	96		25 - 150				07/26/23 05:35	07/28/23 01:28	1
13C4 PFOA	107		25 - 150				07/26/23 05:35	07/28/23 01:28	1
13C5 PFNA	101		25 - 150				07/26/23 05:35	07/28/23 01:28	1
13C2 PFDA	99		25 - 150				07/26/23 05:35	07/28/23 01:28	1
13C2 PFUnA	102		25 - 150				07/26/23 05:35	07/28/23 01:28	1
13C2 PFDoA	94		25 - 150				07/26/23 05:35	07/28/23 01:28	1
13C2 PFTeDA	91		25 - 150				07/26/23 05:35	07/28/23 01:28	1
13C3 PFBS	96		25 - 150				07/26/23 05:35	07/28/23 01:28	1
18O2 PFHxS	96		25 - 150				07/26/23 05:35	07/28/23 01:28	1
13C4 PFOS	99		25 - 150				07/26/23 05:35	07/28/23 01:28	1
13C8 FOSA	129		10 - 150				07/26/23 05:35	07/28/23 01:28	1
d3-NMeFOSAA	117		25 - 150				07/26/23 05:35	07/28/23 01:28	1
d5-NEtFOSAA	117		25 - 150				07/26/23 05:35	07/28/23 01:28	1
d-N-MeFOSA-M	96		10 - 150				07/26/23 05:35	07/28/23 01:28	1
d-N-EtFOSA-M	89		10 - 150				07/26/23 05:35	07/28/23 01:28	1
d7-N-MeFOSE-M	103		10 - 150				07/26/23 05:35	07/28/23 01:28	1
d9-N-EtFOSE-M	96		10 - 150				07/26/23 05:35	07/28/23 01:28	1
M2-4:2 FTS	89		25 - 150				07/26/23 05:35	07/28/23 01:28	1
M2-6:2 FTS	89		25 - 150				07/26/23 05:35	07/28/23 01:28	1
M2-8:2 FTS	85		25 - 150				07/26/23 05:35	07/28/23 01:28	1
13C3 HFPO-DA	92		25 - 150				07/26/23 05:35	07/28/23 01:28	1

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-219

Lab Sample ID: 500-237064-39

Date Collected: 07/20/23 08:50

Matrix: Water

Date Received: 07/22/23 09:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			08/03/23 14:23	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/03/23 14:23	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/03/23 14:23	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/03/23 14:23	1
Bromoform	<0.48		1.0	0.48	ug/L			08/03/23 14:23	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/03/23 14:23	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/03/23 14:23	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/03/23 14:23	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/03/23 14:23	1
Chloroform	<0.37		2.0	0.37	ug/L			08/03/23 14:23	1
Chloromethane	<0.32		5.0	0.32	ug/L			08/03/23 14:23	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/03/23 14:23	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/03/23 14:23	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			08/03/23 14:23	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/03/23 14:23	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/03/23 14:23	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/03/23 14:23	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/03/23 14:23	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/03/23 14:23	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/03/23 14:23	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/03/23 14:23	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/03/23 14:23	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/03/23 14:23	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/03/23 14:23	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/03/23 14:23	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/03/23 14:23	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/03/23 14:23	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/03/23 14:23	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/03/23 14:23	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/03/23 14:23	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/03/23 14:23	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/03/23 14:23	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			08/03/23 14:23	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/03/23 14:23	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/03/23 14:23	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/03/23 14:23	1
Naphthalene	<0.34		1.0	0.34	ug/L			08/03/23 14:23	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/03/23 14:23	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			08/03/23 14:23	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			08/03/23 14:23	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			08/03/23 14:23	1
Styrene	<0.39		1.0	0.39	ug/L			08/03/23 14:23	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			08/03/23 14:23	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/03/23 14:23	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/03/23 14:23	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			08/03/23 14:23	1
Toluene	<0.15		0.50	0.15	ug/L			08/03/23 14:23	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			08/03/23 14:23	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/03/23 14:23	1

Eurofins Chicago

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-219
Date Collected: 07/20/23 08:50
Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-39
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/03/23 14:23	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/03/23 14:23	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/03/23 14:23	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/03/23 14:23	1
Trichloroethene	<0.16		0.50	0.16	ug/L			08/03/23 14:23	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/03/23 14:23	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/03/23 14:23	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			08/03/23 14:23	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			08/03/23 14:23	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/03/23 14:23	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			08/03/23 14:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		72 - 124		08/03/23 14:23	1
Dibromofluoromethane (Surr)	95		75 - 120		08/03/23 14:23	1
1,2-Dichloroethane-d4 (Surr)	103		75 - 126		08/03/23 14:23	1
Toluene-d8 (Surr)	110		75 - 120		08/03/23 14:23	1

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-226

Lab Sample ID: 500-237064-40

Date Collected: 07/18/23 14:15

Matrix: Water

Date Received: 07/22/23 09:50

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	14	J	25	12	ng/L		07/26/23 05:35	07/28/23 01:38	1
Perfluoropentanoic acid (PFPeA)	8.2	J	10	2.5	ng/L		07/26/23 05:35	07/28/23 01:38	1
Perfluorohexanoic acid (PFHxA)	13		10	2.9	ng/L		07/26/23 05:35	07/28/23 01:38	1
Perfluoroheptanoic acid (PFHpA)	13		10	1.3	ng/L		07/26/23 05:35	07/28/23 01:38	1
Perfluorooctanoic acid (PFOA)	210		10	4.3	ng/L		07/26/23 05:35	07/28/23 01:38	1
Perfluorononanoic acid (PFNA)	<1.4		10	1.4	ng/L		07/26/23 05:35	07/28/23 01:38	1
Perfluorodecanoic acid (PFDA)	<1.6		10	1.6	ng/L		07/26/23 05:35	07/28/23 01:38	1
Perfluoroundecanoic acid (PFUnA)	<5.5		10	5.5	ng/L		07/26/23 05:35	07/28/23 01:38	1
Perfluorododecanoic acid (PFDoA)	<2.8		10	2.8	ng/L		07/26/23 05:35	07/28/23 01:38	1
Perfluorotridecanoic acid (PFTriA)	<6.5		10	6.5	ng/L		07/26/23 05:35	07/28/23 01:38	1
Perfluorotetradecanoic acid (PFTeA)	<3.7		10	3.7	ng/L		07/26/23 05:35	07/28/23 01:38	1
Perfluorobutanesulfonic acid (PFBS)	2.0	J	10	1.0	ng/L		07/26/23 05:35	07/28/23 01:38	1
Perfluoropentanesulfonic acid (PFPeS)	<1.5		10	1.5	ng/L		07/26/23 05:35	07/28/23 01:38	1
Perfluorohexanesulfonic acid (PFHxS)	<2.9		10	2.9	ng/L		07/26/23 05:35	07/28/23 01:38	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.95		10	0.95	ng/L		07/26/23 05:35	07/28/23 01:38	1
Perfluorooctanesulfonic acid (PFOS)	<2.7		10	2.7	ng/L		07/26/23 05:35	07/28/23 01:38	1
Perfluorononanesulfonic acid (PFNS)	<1.9		10	1.9	ng/L		07/26/23 05:35	07/28/23 01:38	1
Perfluorodecanesulfonic acid (PFDS)	<1.6		10	1.6	ng/L		07/26/23 05:35	07/28/23 01:38	1
Perfluorododecanesulfonic acid (PFDoS)	<4.9		10	4.9	ng/L		07/26/23 05:35	07/28/23 01:38	1
Perfluorooctanesulfonamide (FOSA)	<4.9		10	4.9	ng/L		07/26/23 05:35	07/28/23 01:38	1
NEtFOSA	<4.4		10	4.4	ng/L		07/26/23 05:35	07/28/23 01:38	1
NMeFOSA	<2.2		10	2.2	ng/L		07/26/23 05:35	07/28/23 01:38	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<6.0		25	6.0	ng/L		07/26/23 05:35	07/28/23 01:38	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<6.5		25	6.5	ng/L		07/26/23 05:35	07/28/23 01:38	1
NMeFOSE	<7.0		20	7.0	ng/L		07/26/23 05:35	07/28/23 01:38	1
NEtFOSE	<4.3		10	4.3	ng/L		07/26/23 05:35	07/28/23 01:38	1
4:2 FTS	<1.2		10	1.2	ng/L		07/26/23 05:35	07/28/23 01:38	1
6:2 FTS	<13		25	13	ng/L		07/26/23 05:35	07/28/23 01:38	1
8:2 FTS	<2.3		10	2.3	ng/L		07/26/23 05:35	07/28/23 01:38	1
DONA	<2.0		10	2.0	ng/L		07/26/23 05:35	07/28/23 01:38	1
HFPO-DA (GenX)	<7.5		20	7.5	ng/L		07/26/23 05:35	07/28/23 01:38	1
F-53B Major	<1.2		10	1.2	ng/L		07/26/23 05:35	07/28/23 01:38	1
F-53B Minor	<1.6		10	1.6	ng/L		07/26/23 05:35	07/28/23 01:38	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	97		25 - 150				07/26/23 05:35	07/28/23 01:38	1
13C5 PFPeA	102		25 - 150				07/26/23 05:35	07/28/23 01:38	1
13C2 PFHxA	96		25 - 150				07/26/23 05:35	07/28/23 01:38	1
13C4 PFHpA	102		25 - 150				07/26/23 05:35	07/28/23 01:38	1
13C4 PFOA	105		25 - 150				07/26/23 05:35	07/28/23 01:38	1
13C5 PFNA	102		25 - 150				07/26/23 05:35	07/28/23 01:38	1
13C2 PFDA	104		25 - 150				07/26/23 05:35	07/28/23 01:38	1
13C2 PFUnA	107		25 - 150				07/26/23 05:35	07/28/23 01:38	1
13C2 PFDoA	101		25 - 150				07/26/23 05:35	07/28/23 01:38	1
13C2 PFTeDA	102		25 - 150				07/26/23 05:35	07/28/23 01:38	1
13C3 PFBS	105		25 - 150				07/26/23 05:35	07/28/23 01:38	1

Eurofins Chicago

Client Sample Results

Client: Ramboll US Corporation
Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-226

Lab Sample ID: 500-237064-40

Date Collected: 07/18/23 14:15

Matrix: Water

Date Received: 07/22/23 09:50

Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
18O2 PFHxS	105		25 - 150	07/26/23 05:35	07/28/23 01:38	1
13C4 PFOS	108		25 - 150	07/26/23 05:35	07/28/23 01:38	1
13C8 FOSA	127		10 - 150	07/26/23 05:35	07/28/23 01:38	1
d3-NMeFOSAA	120		25 - 150	07/26/23 05:35	07/28/23 01:38	1
d5-NEtFOSAA	118		25 - 150	07/26/23 05:35	07/28/23 01:38	1
d-N-MeFOSA-M	97		10 - 150	07/26/23 05:35	07/28/23 01:38	1
d-N-EtFOSA-M	92		10 - 150	07/26/23 05:35	07/28/23 01:38	1
d7-N-MeFOSE-M	114		10 - 150	07/26/23 05:35	07/28/23 01:38	1
d9-N-EtFOSE-M	108		10 - 150	07/26/23 05:35	07/28/23 01:38	1
M2-4:2 FTS	84		25 - 150	07/26/23 05:35	07/28/23 01:38	1
M2-6:2 FTS	86		25 - 150	07/26/23 05:35	07/28/23 01:38	1
M2-8:2 FTS	83		25 - 150	07/26/23 05:35	07/28/23 01:38	1
13C3 HFPO-DA	97		25 - 150	07/26/23 05:35	07/28/23 01:38	1

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: PZ-226

Lab Sample ID: 500-237064-41

Date Collected: 07/18/23 14:56

Matrix: Water

Date Received: 07/22/23 09:50

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.2		4.5	2.2	ng/L		07/26/23 05:35	07/28/23 02:29	1
Perfluoropentanoic acid (PFPeA)	0.76	J	1.8	0.44	ng/L		07/26/23 05:35	07/28/23 02:29	1
Perfluorohexanoic acid (PFHxA)	1.2	J	1.8	0.53	ng/L		07/26/23 05:35	07/28/23 02:29	1
Perfluoroheptanoic acid (PFHpA)	0.74	J	1.8	0.23	ng/L		07/26/23 05:35	07/28/23 02:29	1
Perfluorooctanoic acid (PFOA)	2.4		1.8	0.77	ng/L		07/26/23 05:35	07/28/23 02:29	1
Perfluorononanoic acid (PFNA)	0.38	J	1.8	0.24	ng/L		07/26/23 05:35	07/28/23 02:29	1
Perfluorodecanoic acid (PFDA)	<0.28		1.8	0.28	ng/L		07/26/23 05:35	07/28/23 02:29	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.8	1.0	ng/L		07/26/23 05:35	07/28/23 02:29	1
Perfluorododecanoic acid (PFDoA)	<0.50		1.8	0.50	ng/L		07/26/23 05:35	07/28/23 02:29	1
Perfluorotridecanoic acid (PFTriA)	<1.2		1.8	1.2	ng/L		07/26/23 05:35	07/28/23 02:29	1
Perfluorotetradecanoic acid (PFTeA)	<0.66		1.8	0.66	ng/L		07/26/23 05:35	07/28/23 02:29	1
Perfluorobutanesulfonic acid (PFBS)	<0.18		1.8	0.18	ng/L		07/26/23 05:35	07/28/23 02:29	1
Perfluoropentanesulfonic acid (PFPeS)	<0.27		1.8	0.27	ng/L		07/26/23 05:35	07/28/23 02:29	1
Perfluorohexanesulfonic acid (PFHxS)	<0.52		1.8	0.52	ng/L		07/26/23 05:35	07/28/23 02:29	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.17		1.8	0.17	ng/L		07/26/23 05:35	07/28/23 02:29	1
Perfluorooctanesulfonic acid (PFOS)	<0.49		1.8	0.49	ng/L		07/26/23 05:35	07/28/23 02:29	1
Perfluorononanesulfonic acid (PFNS)	<0.34		1.8	0.34	ng/L		07/26/23 05:35	07/28/23 02:29	1
Perfluorodecanesulfonic acid (PFDS)	<0.29		1.8	0.29	ng/L		07/26/23 05:35	07/28/23 02:29	1
Perfluorododecanesulfonic acid (PFDoS)	<0.88		1.8	0.88	ng/L		07/26/23 05:35	07/28/23 02:29	1
Perfluorooctanesulfonamide (FOSA)	<0.89		1.8	0.89	ng/L		07/26/23 05:35	07/28/23 02:29	1
NEtFOSA	<0.79		1.8	0.79	ng/L		07/26/23 05:35	07/28/23 02:29	1
NMeFOSA	<0.39		1.8	0.39	ng/L		07/26/23 05:35	07/28/23 02:29	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<1.1		4.5	1.1	ng/L		07/26/23 05:35	07/28/23 02:29	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<1.2		4.5	1.2	ng/L		07/26/23 05:35	07/28/23 02:29	1
NMeFOSE	<1.3		3.6	1.3	ng/L		07/26/23 05:35	07/28/23 02:29	1
NEtFOSE	<0.77		1.8	0.77	ng/L		07/26/23 05:35	07/28/23 02:29	1
4:2 FTS	<0.22		1.8	0.22	ng/L		07/26/23 05:35	07/28/23 02:29	1
6:2 FTS	<2.3		4.5	2.3	ng/L		07/26/23 05:35	07/28/23 02:29	1
8:2 FTS	<0.42		1.8	0.42	ng/L		07/26/23 05:35	07/28/23 02:29	1
DONA	<0.36		1.8	0.36	ng/L		07/26/23 05:35	07/28/23 02:29	1
HFPO-DA (GenX)	<1.4		3.6	1.4	ng/L		07/26/23 05:35	07/28/23 02:29	1
F-53B Major	<0.22		1.8	0.22	ng/L		07/26/23 05:35	07/28/23 02:29	1
F-53B Minor	<0.29		1.8	0.29	ng/L		07/26/23 05:35	07/28/23 02:29	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	95		25 - 150	07/26/23 05:35	07/28/23 02:29	1
13C5 PFPeA	105		25 - 150	07/26/23 05:35	07/28/23 02:29	1
13C2 PFHxA	103		25 - 150	07/26/23 05:35	07/28/23 02:29	1
13C4 PFHpA	108		25 - 150	07/26/23 05:35	07/28/23 02:29	1
13C4 PFOA	105		25 - 150	07/26/23 05:35	07/28/23 02:29	1
13C5 PFNA	104		25 - 150	07/26/23 05:35	07/28/23 02:29	1
13C2 PFDA	106		25 - 150	07/26/23 05:35	07/28/23 02:29	1
13C2 PFUnA	110		25 - 150	07/26/23 05:35	07/28/23 02:29	1
13C2 PFDoA	108		25 - 150	07/26/23 05:35	07/28/23 02:29	1
13C2 PFTeDA	107		25 - 150	07/26/23 05:35	07/28/23 02:29	1
13C3 PFBS	106		25 - 150	07/26/23 05:35	07/28/23 02:29	1

Euofins Chicago

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: PZ-226
Date Collected: 07/18/23 14:56
Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-41
Matrix: Water

Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
18O2 PFHxS	103		25 - 150	07/26/23 05:35	07/28/23 02:29	1
13C4 PFOS	112		25 - 150	07/26/23 05:35	07/28/23 02:29	1
13C8 FOSA	133		10 - 150	07/26/23 05:35	07/28/23 02:29	1
d3-NMeFOSAA	122		25 - 150	07/26/23 05:35	07/28/23 02:29	1
d5-NEtFOSAA	128		25 - 150	07/26/23 05:35	07/28/23 02:29	1
d-N-MeFOSA-M	107		10 - 150	07/26/23 05:35	07/28/23 02:29	1
d-N-EtFOSA-M	101		10 - 150	07/26/23 05:35	07/28/23 02:29	1
d7-N-MeFOSE-M	114		10 - 150	07/26/23 05:35	07/28/23 02:29	1
d9-N-EtFOSE-M	105		10 - 150	07/26/23 05:35	07/28/23 02:29	1
M2-4:2 FTS	91		25 - 150	07/26/23 05:35	07/28/23 02:29	1
M2-6:2 FTS	84		25 - 150	07/26/23 05:35	07/28/23 02:29	1
M2-8:2 FTS	85		25 - 150	07/26/23 05:35	07/28/23 02:29	1
13C3 HFPO-DA	102		25 - 150	07/26/23 05:35	07/28/23 02:29	1

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-235

Lab Sample ID: 500-237064-42

Date Collected: 07/19/23 13:37

Matrix: Water

Date Received: 07/22/23 09:50

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	100		4.4	2.1	ng/L		07/26/23 05:35	07/28/23 02:40	1
Perfluoropentanoic acid (PFPeA)	51		1.8	0.43	ng/L		07/26/23 05:35	07/28/23 02:40	1
Perfluorohexanoic acid (PFHxA)	25		1.8	0.51	ng/L		07/26/23 05:35	07/28/23 02:40	1
Perfluoroheptanoic acid (PFHpA)	7.6		1.8	0.22	ng/L		07/26/23 05:35	07/28/23 02:40	1
Perfluorooctanoic acid (PFOA)	74		1.8	0.74	ng/L		07/26/23 05:35	07/28/23 02:40	1
Perfluorononanoic acid (PFNA)	<0.24		1.8	0.24	ng/L		07/26/23 05:35	07/28/23 02:40	1
Perfluorodecanoic acid (PFDA)	<0.27		1.8	0.27	ng/L		07/26/23 05:35	07/28/23 02:40	1
Perfluoroundecanoic acid (PFUnA)	<0.96		1.8	0.96	ng/L		07/26/23 05:35	07/28/23 02:40	1
Perfluorododecanoic acid (PFDoA)	<0.48		1.8	0.48	ng/L		07/26/23 05:35	07/28/23 02:40	1
Perfluorotridecanoic acid (PFTriA)	<1.1		1.8	1.1	ng/L		07/26/23 05:35	07/28/23 02:40	1
Perfluorotetradecanoic acid (PFTeA)	<0.64		1.8	0.64	ng/L		07/26/23 05:35	07/28/23 02:40	1
Perfluorobutanesulfonic acid (PFBS)	3.7		1.8	0.18	ng/L		07/26/23 05:35	07/28/23 02:40	1
Perfluoropentanesulfonic acid (PFPeS)	<0.26		1.8	0.26	ng/L		07/26/23 05:35	07/28/23 02:40	1
Perfluorohexanesulfonic acid (PFHxS)	1.7 J		1.8	0.50	ng/L		07/26/23 05:35	07/28/23 02:40	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.17		1.8	0.17	ng/L		07/26/23 05:35	07/28/23 02:40	1
Perfluorooctanesulfonic acid (PFOS)	<0.47		1.8	0.47	ng/L		07/26/23 05:35	07/28/23 02:40	1
Perfluorononanesulfonic acid (PFNS)	<0.32		1.8	0.32	ng/L		07/26/23 05:35	07/28/23 02:40	1
Perfluorodecanesulfonic acid (PFDS)	<0.28		1.8	0.28	ng/L		07/26/23 05:35	07/28/23 02:40	1
Perfluorododecanesulfonic acid (PFDoS)	<0.85		1.8	0.85	ng/L		07/26/23 05:35	07/28/23 02:40	1
Perfluorooctanesulfonamide (FOSA)	<0.86		1.8	0.86	ng/L		07/26/23 05:35	07/28/23 02:40	1
NEtFOSA	<0.76		1.8	0.76	ng/L		07/26/23 05:35	07/28/23 02:40	1
NMeFOSA	<0.38		1.8	0.38	ng/L		07/26/23 05:35	07/28/23 02:40	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<1.1		4.4	1.1	ng/L		07/26/23 05:35	07/28/23 02:40	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<1.1		4.4	1.1	ng/L		07/26/23 05:35	07/28/23 02:40	1
NMeFOSE	<1.2		3.5	1.2	ng/L		07/26/23 05:35	07/28/23 02:40	1
NEtFOSE	<0.74		1.8	0.74	ng/L		07/26/23 05:35	07/28/23 02:40	1
4:2 FTS	<0.21		1.8	0.21	ng/L		07/26/23 05:35	07/28/23 02:40	1
6:2 FTS	<2.2		4.4	2.2	ng/L		07/26/23 05:35	07/28/23 02:40	1
8:2 FTS	<0.40		1.8	0.40	ng/L		07/26/23 05:35	07/28/23 02:40	1
DONA	<0.35		1.8	0.35	ng/L		07/26/23 05:35	07/28/23 02:40	1
HFPO-DA (GenX)	<1.3		3.5	1.3	ng/L		07/26/23 05:35	07/28/23 02:40	1
F-53B Major	<0.21		1.8	0.21	ng/L		07/26/23 05:35	07/28/23 02:40	1
F-53B Minor	<0.28		1.8	0.28	ng/L		07/26/23 05:35	07/28/23 02:40	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	85		25 - 150	07/26/23 05:35	07/28/23 02:40	1
13C5 PFPeA	90		25 - 150	07/26/23 05:35	07/28/23 02:40	1
13C2 PFHxA	82		25 - 150	07/26/23 05:35	07/28/23 02:40	1
13C4 PFHpA	78		25 - 150	07/26/23 05:35	07/28/23 02:40	1
13C4 PFOA	83		25 - 150	07/26/23 05:35	07/28/23 02:40	1
13C5 PFNA	77		25 - 150	07/26/23 05:35	07/28/23 02:40	1
13C2 PFDA	66		25 - 150	07/26/23 05:35	07/28/23 02:40	1
13C2 PFUnA	50		25 - 150	07/26/23 05:35	07/28/23 02:40	1
13C2 PFDoA	40		25 - 150	07/26/23 05:35	07/28/23 02:40	1
13C2 PFTeDA	46		25 - 150	07/26/23 05:35	07/28/23 02:40	1

Euofins Chicago

Client Sample Results

Client: Ramboll US Corporation
Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-235

Lab Sample ID: 500-237064-42

Date Collected: 07/19/23 13:37

Matrix: Water

Date Received: 07/22/23 09:50

Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C3 PFBS	84		25 - 150	07/26/23 05:35	07/28/23 02:40	1
18O2 PFHxS	81		25 - 150	07/26/23 05:35	07/28/23 02:40	1
13C4 PFOS	71		25 - 150	07/26/23 05:35	07/28/23 02:40	1
13C8 FOSA	88		10 - 150	07/26/23 05:35	07/28/23 02:40	1
d3-NMeFOSAA	58		25 - 150	07/26/23 05:35	07/28/23 02:40	1
d5-NEtFOSAA	50		25 - 150	07/26/23 05:35	07/28/23 02:40	1
d-N-MeFOSA-M	41		10 - 150	07/26/23 05:35	07/28/23 02:40	1
d-N-EtFOSA-M	38		10 - 150	07/26/23 05:35	07/28/23 02:40	1
d7-N-MeFOSE-M	45		10 - 150	07/26/23 05:35	07/28/23 02:40	1
d9-N-EtFOSE-M	39		10 - 150	07/26/23 05:35	07/28/23 02:40	1
M2-4:2 FTS	59		25 - 150	07/26/23 05:35	07/28/23 02:40	1
M2-6:2 FTS	56		25 - 150	07/26/23 05:35	07/28/23 02:40	1
M2-8:2 FTS	47		25 - 150	07/26/23 05:35	07/28/23 02:40	1
13C3 HFPO-DA	78		25 - 150	07/26/23 05:35	07/28/23 02:40	1

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-236

Lab Sample ID: 500-237064-43

Date Collected: 07/19/23 12:52

Matrix: Water

Date Received: 07/22/23 09:50

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	9.8		4.6	2.2	ng/L		07/26/23 05:35	07/28/23 02:50	1
Perfluoropentanoic acid (PFPeA)	3.4		1.8	0.45	ng/L		07/26/23 05:35	07/28/23 02:50	1
Perfluorohexanoic acid (PFHxA)	5.2		1.8	0.53	ng/L		07/26/23 05:35	07/28/23 02:50	1
Perfluoroheptanoic acid (PFHpA)	5.7		1.8	0.23	ng/L		07/26/23 05:35	07/28/23 02:50	1
Perfluorooctanoic acid (PFOA)	80		1.8	0.78	ng/L		07/26/23 05:35	07/28/23 02:50	1
Perfluorononanoic acid (PFNA)	<0.25		1.8	0.25	ng/L		07/26/23 05:35	07/28/23 02:50	1
Perfluorodecanoic acid (PFDA)	<0.28		1.8	0.28	ng/L		07/26/23 05:35	07/28/23 02:50	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.8	1.0	ng/L		07/26/23 05:35	07/28/23 02:50	1
Perfluorododecanoic acid (PFDoA)	<0.50		1.8	0.50	ng/L		07/26/23 05:35	07/28/23 02:50	1
Perfluorotridecanoic acid (PFTriA)	<1.2		1.8	1.2	ng/L		07/26/23 05:35	07/28/23 02:50	1
Perfluorotetradecanoic acid (PFTeA)	<0.67		1.8	0.67	ng/L		07/26/23 05:35	07/28/23 02:50	1
Perfluorobutanesulfonic acid (PFBS)	2.2		1.8	0.18	ng/L		07/26/23 05:35	07/28/23 02:50	1
Perfluoropentanesulfonic acid (PFPeS)	<0.27		1.8	0.27	ng/L		07/26/23 05:35	07/28/23 02:50	1
Perfluorohexanesulfonic acid (PFHxS)	1.2 J		1.8	0.52	ng/L		07/26/23 05:35	07/28/23 02:50	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.17		1.8	0.17	ng/L		07/26/23 05:35	07/28/23 02:50	1
Perfluorooctanesulfonic acid (PFOS)	1.6 J I		1.8	0.49	ng/L		07/26/23 05:35	07/28/23 02:50	1
Perfluorononanesulfonic acid (PFNS)	<0.34		1.8	0.34	ng/L		07/26/23 05:35	07/28/23 02:50	1
Perfluorodecanesulfonic acid (PFDS)	<0.29		1.8	0.29	ng/L		07/26/23 05:35	07/28/23 02:50	1
Perfluorododecanesulfonic acid (PFDoS)	<0.89		1.8	0.89	ng/L		07/26/23 05:35	07/28/23 02:50	1
Perfluorooctanesulfonamide (FOSA)	<0.89		1.8	0.89	ng/L		07/26/23 05:35	07/28/23 02:50	1
NEtFOSA	<0.79		1.8	0.79	ng/L		07/26/23 05:35	07/28/23 02:50	1
NMeFOSA	<0.39		1.8	0.39	ng/L		07/26/23 05:35	07/28/23 02:50	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<1.1		4.6	1.1	ng/L		07/26/23 05:35	07/28/23 02:50	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<1.2		4.6	1.2	ng/L		07/26/23 05:35	07/28/23 02:50	1
NMeFOSE	<1.3		3.6	1.3	ng/L		07/26/23 05:35	07/28/23 02:50	1
NEtFOSE	<0.78		1.8	0.78	ng/L		07/26/23 05:35	07/28/23 02:50	1
4:2 FTS	<0.22		1.8	0.22	ng/L		07/26/23 05:35	07/28/23 02:50	1
6:2 FTS	<2.3		4.6	2.3	ng/L		07/26/23 05:35	07/28/23 02:50	1
8:2 FTS	<0.42		1.8	0.42	ng/L		07/26/23 05:35	07/28/23 02:50	1
DONA	<0.36		1.8	0.36	ng/L		07/26/23 05:35	07/28/23 02:50	1
HFPO-DA (GenX)	<1.4		3.6	1.4	ng/L		07/26/23 05:35	07/28/23 02:50	1
F-53B Major	<0.22		1.8	0.22	ng/L		07/26/23 05:35	07/28/23 02:50	1
F-53B Minor	<0.29		1.8	0.29	ng/L		07/26/23 05:35	07/28/23 02:50	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	75		25 - 150	07/26/23 05:35	07/28/23 02:50	1
13C5 PFPeA	92		25 - 150	07/26/23 05:35	07/28/23 02:50	1
13C2 PFHxA	92		25 - 150	07/26/23 05:35	07/28/23 02:50	1
13C4 PFHpA	99		25 - 150	07/26/23 05:35	07/28/23 02:50	1
13C4 PFOA	100		25 - 150	07/26/23 05:35	07/28/23 02:50	1
13C5 PFNA	96		25 - 150	07/26/23 05:35	07/28/23 02:50	1
13C2 PFDA	87		25 - 150	07/26/23 05:35	07/28/23 02:50	1
13C2 PFUnA	71		25 - 150	07/26/23 05:35	07/28/23 02:50	1
13C2 PFDoA	37		25 - 150	07/26/23 05:35	07/28/23 02:50	1

Eurofins Chicago

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-236

Lab Sample ID: 500-237064-43

Date Collected: 07/19/23 12:52

Matrix: Water

Date Received: 07/22/23 09:50

Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C2 PFTeDA	21	*5-	25 - 150	07/26/23 05:35	07/28/23 02:50	1
13C3 PFBS	96		25 - 150	07/26/23 05:35	07/28/23 02:50	1
18O2 PFHxS	93		25 - 150	07/26/23 05:35	07/28/23 02:50	1
13C4 PFOS	94		25 - 150	07/26/23 05:35	07/28/23 02:50	1
13C8 FOSA	104		10 - 150	07/26/23 05:35	07/28/23 02:50	1
d3-NMeFOSAA	74		25 - 150	07/26/23 05:35	07/28/23 02:50	1
d5-NEtFOSAA	56		25 - 150	07/26/23 05:35	07/28/23 02:50	1
d-N-MeFOSA-M	34		10 - 150	07/26/23 05:35	07/28/23 02:50	1
d-N-EtFOSA-M	24		10 - 150	07/26/23 05:35	07/28/23 02:50	1
d7-N-MeFOSE-M	28		10 - 150	07/26/23 05:35	07/28/23 02:50	1
d9-N-EtFOSE-M	19		10 - 150	07/26/23 05:35	07/28/23 02:50	1
M2-4:2 FTS	87		25 - 150	07/26/23 05:35	07/28/23 02:50	1
M2-6:2 FTS	82		25 - 150	07/26/23 05:35	07/28/23 02:50	1
M2-8:2 FTS	67		25 - 150	07/26/23 05:35	07/28/23 02:50	1
13C3 HFPO-DA	91		25 - 150	07/26/23 05:35	07/28/23 02:50	1

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: EB-02
Date Collected: 07/18/23 15:20
Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-44
Matrix: Water

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.4		4.9	2.4	ng/L		07/26/23 05:35	07/28/23 03:00	1
Perfluoropentanoic acid (PFPeA)	<0.48		2.0	0.48	ng/L		07/26/23 05:35	07/28/23 03:00	1
Perfluorohexanoic acid (PFHxA)	<0.57		2.0	0.57	ng/L		07/26/23 05:35	07/28/23 03:00	1
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		07/26/23 05:35	07/28/23 03:00	1
Perfluorooctanoic acid (PFOA)	<0.83		2.0	0.83	ng/L		07/26/23 05:35	07/28/23 03:00	1
Perfluorononanoic acid (PFNA)	<0.26		2.0	0.26	ng/L		07/26/23 05:35	07/28/23 03:00	1
Perfluorodecanoic acid (PFDA)	<0.30		2.0	0.30	ng/L		07/26/23 05:35	07/28/23 03:00	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		07/26/23 05:35	07/28/23 03:00	1
Perfluorododecanoic acid (PFDoA)	<0.54		2.0	0.54	ng/L		07/26/23 05:35	07/28/23 03:00	1
Perfluorotridecanoic acid (PFTriA)	<1.3		2.0	1.3	ng/L		07/26/23 05:35	07/28/23 03:00	1
Perfluorotetradecanoic acid (PFTeA)	<0.72		2.0	0.72	ng/L		07/26/23 05:35	07/28/23 03:00	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		07/26/23 05:35	07/28/23 03:00	1
Perfluoropentanesulfonic acid (PFPeS)	<0.29		2.0	0.29	ng/L		07/26/23 05:35	07/28/23 03:00	1
Perfluorohexanesulfonic acid (PFHxS)	<0.56		2.0	0.56	ng/L		07/26/23 05:35	07/28/23 03:00	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		07/26/23 05:35	07/28/23 03:00	1
Perfluorooctanesulfonic acid (PFOS)	<0.53		2.0	0.53	ng/L		07/26/23 05:35	07/28/23 03:00	1
Perfluorononanesulfonic acid (PFNS)	<0.36		2.0	0.36	ng/L		07/26/23 05:35	07/28/23 03:00	1
Perfluorodecanesulfonic acid (PFDS)	<0.31		2.0	0.31	ng/L		07/26/23 05:35	07/28/23 03:00	1
Perfluorododecanesulfonic acid (PFDoS)	<0.95		2.0	0.95	ng/L		07/26/23 05:35	07/28/23 03:00	1
Perfluorooctanesulfonamide (FOSA)	<0.96		2.0	0.96	ng/L		07/26/23 05:35	07/28/23 03:00	1
NEtFOSA	<0.85		2.0	0.85	ng/L		07/26/23 05:35	07/28/23 03:00	1
NMeFOSA	<0.42		2.0	0.42	ng/L		07/26/23 05:35	07/28/23 03:00	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<1.2		4.9	1.2	ng/L		07/26/23 05:35	07/28/23 03:00	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<1.3		4.9	1.3	ng/L		07/26/23 05:35	07/28/23 03:00	1
NMeFOSE	<1.4		3.9	1.4	ng/L		07/26/23 05:35	07/28/23 03:00	1
NEtFOSE	<0.83		2.0	0.83	ng/L		07/26/23 05:35	07/28/23 03:00	1
4:2 FTS	<0.24		2.0	0.24	ng/L		07/26/23 05:35	07/28/23 03:00	1
6:2 FTS	<2.5		4.9	2.5	ng/L		07/26/23 05:35	07/28/23 03:00	1
8:2 FTS	<0.45		2.0	0.45	ng/L		07/26/23 05:35	07/28/23 03:00	1
DONA	<0.39		2.0	0.39	ng/L		07/26/23 05:35	07/28/23 03:00	1
HFPO-DA (GenX)	<1.5		3.9	1.5	ng/L		07/26/23 05:35	07/28/23 03:00	1
F-53B Major	<0.24		2.0	0.24	ng/L		07/26/23 05:35	07/28/23 03:00	1
F-53B Minor	<0.31		2.0	0.31	ng/L		07/26/23 05:35	07/28/23 03:00	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	100		25 - 150	07/26/23 05:35	07/28/23 03:00	1
13C5 PFPeA	101		25 - 150	07/26/23 05:35	07/28/23 03:00	1
13C2 PFHxA	100		25 - 150	07/26/23 05:35	07/28/23 03:00	1
13C4 PFHpA	104		25 - 150	07/26/23 05:35	07/28/23 03:00	1
13C4 PFOA	105		25 - 150	07/26/23 05:35	07/28/23 03:00	1
13C5 PFNA	106		25 - 150	07/26/23 05:35	07/28/23 03:00	1
13C2 PFDA	105		25 - 150	07/26/23 05:35	07/28/23 03:00	1
13C2 PFUnA	112		25 - 150	07/26/23 05:35	07/28/23 03:00	1
13C2 PFDoA	104		25 - 150	07/26/23 05:35	07/28/23 03:00	1
13C2 PFTeDA	93		25 - 150	07/26/23 05:35	07/28/23 03:00	1
13C3 PFBS	103		25 - 150	07/26/23 05:35	07/28/23 03:00	1

Eurofins Chicago

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: EB-02
Date Collected: 07/18/23 15:20
Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-44
Matrix: Water

Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
18O2 PFHxS	104		25 - 150	07/26/23 05:35	07/28/23 03:00	1
13C4 PFOS	106		25 - 150	07/26/23 05:35	07/28/23 03:00	1
13C8 FOSA	119		10 - 150	07/26/23 05:35	07/28/23 03:00	1
d3-NMeFOSAA	119		25 - 150	07/26/23 05:35	07/28/23 03:00	1
d5-NEtFOSAA	122		25 - 150	07/26/23 05:35	07/28/23 03:00	1
d-N-MeFOSA-M	95		10 - 150	07/26/23 05:35	07/28/23 03:00	1
d-N-EtFOSA-M	93		10 - 150	07/26/23 05:35	07/28/23 03:00	1
d7-N-MeFOSE-M	112		10 - 150	07/26/23 05:35	07/28/23 03:00	1
d9-N-EtFOSE-M	105		10 - 150	07/26/23 05:35	07/28/23 03:00	1
M2-4:2 FTS	85		25 - 150	07/26/23 05:35	07/28/23 03:00	1
M2-6:2 FTS	83		25 - 150	07/26/23 05:35	07/28/23 03:00	1
M2-8:2 FTS	85		25 - 150	07/26/23 05:35	07/28/23 03:00	1
13C3 HFPO-DA	99		25 - 150	07/26/23 05:35	07/28/23 03:00	1

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: EB-04
Date Collected: 07/19/23 15:27
Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-45
Matrix: Water

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.2		4.6	2.2	ng/L		07/26/23 20:59	07/28/23 04:50	1
Perfluoropentanoic acid (PFPeA)	<0.45		1.8	0.45	ng/L		07/26/23 20:59	07/28/23 04:50	1
Perfluorohexanoic acid (PFHxA)	<0.54		1.8	0.54	ng/L		07/26/23 20:59	07/28/23 04:50	1
Perfluoroheptanoic acid (PFHpA)	<0.23		1.8	0.23	ng/L		07/26/23 20:59	07/28/23 04:50	1
Perfluorooctanoic acid (PFOA)	<0.78		1.8	0.78	ng/L		07/26/23 20:59	07/28/23 04:50	1
Perfluorononanoic acid (PFNA)	<0.25		1.8	0.25	ng/L		07/26/23 20:59	07/28/23 04:50	1
Perfluorodecanoic acid (PFDA)	<0.29		1.8	0.29	ng/L		07/26/23 20:59	07/28/23 04:50	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.8	1.0	ng/L		07/26/23 20:59	07/28/23 04:50	1
Perfluorododecanoic acid (PFDoA)	<0.51		1.8	0.51	ng/L		07/26/23 20:59	07/28/23 04:50	1
Perfluorotridecanoic acid (PFTriA)	<1.2		1.8	1.2	ng/L		07/26/23 20:59	07/28/23 04:50	1
Perfluorotetradecanoic acid (PFTeA)	<0.67		1.8	0.67	ng/L		07/26/23 20:59	07/28/23 04:50	1
Perfluorobutanesulfonic acid (PFBS)	<0.18		1.8	0.18	ng/L		07/26/23 20:59	07/28/23 04:50	1
Perfluoropentanesulfonic acid (PFPeS)	<0.28		1.8	0.28	ng/L		07/26/23 20:59	07/28/23 04:50	1
Perfluorohexanesulfonic acid (PFHxS)	<0.53		1.8	0.53	ng/L		07/26/23 20:59	07/28/23 04:50	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.18		1.8	0.18	ng/L		07/26/23 20:59	07/28/23 04:50	1
Perfluorooctanesulfonic acid (PFOS)	<0.50		1.8	0.50	ng/L		07/26/23 20:59	07/28/23 04:50	1
Perfluorononanesulfonic acid (PFNS)	<0.34		1.8	0.34	ng/L		07/26/23 20:59	07/28/23 04:50	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.8	0.30	ng/L		07/26/23 20:59	07/28/23 04:50	1
Perfluorododecanesulfonic acid (PFDoS)	<0.90		1.8	0.90	ng/L		07/26/23 20:59	07/28/23 04:50	1
Perfluorooctanesulfonamide (FOSA)	<0.90		1.8	0.90	ng/L		07/26/23 20:59	07/28/23 04:50	1
NEtFOSA	<0.80		1.8	0.80	ng/L		07/26/23 20:59	07/28/23 04:50	1
NMeFOSA	<0.40		1.8	0.40	ng/L		07/26/23 20:59	07/28/23 04:50	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<1.1		4.6	1.1	ng/L		07/26/23 20:59	07/28/23 04:50	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<1.2		4.6	1.2	ng/L		07/26/23 20:59	07/28/23 04:50	1
NMeFOSE	<1.3		3.7	1.3	ng/L		07/26/23 20:59	07/28/23 04:50	1
NEtFOSE	<0.78		1.8	0.78	ng/L		07/26/23 20:59	07/28/23 04:50	1
4:2 FTS	<0.22		1.8	0.22	ng/L		07/26/23 20:59	07/28/23 04:50	1
6:2 FTS	<2.3		4.6	2.3	ng/L		07/26/23 20:59	07/28/23 04:50	1
8:2 FTS	<0.42		1.8	0.42	ng/L		07/26/23 20:59	07/28/23 04:50	1
DONA	<0.37		1.8	0.37	ng/L		07/26/23 20:59	07/28/23 04:50	1
HFPO-DA (GenX)	<1.4		3.7	1.4	ng/L		07/26/23 20:59	07/28/23 04:50	1
F-53B Major	<0.22		1.8	0.22	ng/L		07/26/23 20:59	07/28/23 04:50	1
F-53B Minor	<0.30		1.8	0.30	ng/L		07/26/23 20:59	07/28/23 04:50	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	116		25 - 150	07/26/23 20:59	07/28/23 04:50	1
13C5 PFPeA	122		25 - 150	07/26/23 20:59	07/28/23 04:50	1
13C2 PFHxA	116		25 - 150	07/26/23 20:59	07/28/23 04:50	1
13C4 PFHpA	117		25 - 150	07/26/23 20:59	07/28/23 04:50	1
13C4 PFOA	117		25 - 150	07/26/23 20:59	07/28/23 04:50	1
13C5 PFNA	122		25 - 150	07/26/23 20:59	07/28/23 04:50	1
13C2 PFDA	120		25 - 150	07/26/23 20:59	07/28/23 04:50	1
13C2 PFUnA	112		25 - 150	07/26/23 20:59	07/28/23 04:50	1
13C2 PFDoA	114		25 - 150	07/26/23 20:59	07/28/23 04:50	1
13C2 PFTeDA	100		25 - 150	07/26/23 20:59	07/28/23 04:50	1
13C3 PFBS	115		25 - 150	07/26/23 20:59	07/28/23 04:50	1

Eurofins Chicago

Client Sample Results

Client: Ramboll US Corporation
Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: EB-04
Date Collected: 07/19/23 15:27
Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-45
Matrix: Water

Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
18O2 PFHxS	109		25 - 150	07/26/23 20:59	07/28/23 04:50	1
13C4 PFOS	113		25 - 150	07/26/23 20:59	07/28/23 04:50	1
13C8 FOSA	116		10 - 150	07/26/23 20:59	07/28/23 04:50	1
d3-NMeFOSAA	123		25 - 150	07/26/23 20:59	07/28/23 04:50	1
d5-NEtFOSAA	124		25 - 150	07/26/23 20:59	07/28/23 04:50	1
d-N-MeFOSA-M	97		10 - 150	07/26/23 20:59	07/28/23 04:50	1
d-N-EtFOSA-M	97		10 - 150	07/26/23 20:59	07/28/23 04:50	1
d7-N-MeFOSE-M	111		10 - 150	07/26/23 20:59	07/28/23 04:50	1
d9-N-EtFOSE-M	109		10 - 150	07/26/23 20:59	07/28/23 04:50	1
M2-4:2 FTS	109		25 - 150	07/26/23 20:59	07/28/23 04:50	1
M2-6:2 FTS	119		25 - 150	07/26/23 20:59	07/28/23 04:50	1
M2-8:2 FTS	119		25 - 150	07/26/23 20:59	07/28/23 04:50	1
13C3 HFPO-DA	120		25 - 150	07/26/23 20:59	07/28/23 04:50	1

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: EB-06
Date Collected: 07/20/23 14:46
Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-46
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			08/03/23 10:15	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/03/23 10:15	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/03/23 10:15	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/03/23 10:15	1
Bromoform	<0.48		1.0	0.48	ug/L			08/03/23 10:15	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/03/23 10:15	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/03/23 10:15	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/03/23 10:15	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/03/23 10:15	1
Chloroform	<0.37		2.0	0.37	ug/L			08/03/23 10:15	1
Chloromethane	<0.32		5.0	0.32	ug/L			08/03/23 10:15	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/03/23 10:15	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/03/23 10:15	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			08/03/23 10:15	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/03/23 10:15	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/03/23 10:15	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/03/23 10:15	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/03/23 10:15	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/03/23 10:15	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/03/23 10:15	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/03/23 10:15	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/03/23 10:15	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/03/23 10:15	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/03/23 10:15	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/03/23 10:15	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/03/23 10:15	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/03/23 10:15	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/03/23 10:15	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/03/23 10:15	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/03/23 10:15	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/03/23 10:15	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/03/23 10:15	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			08/03/23 10:15	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/03/23 10:15	1
Methylene Chloride	1.8	J B	5.0	1.6	ug/L			08/03/23 10:15	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/03/23 10:15	1
Naphthalene	<0.34		1.0	0.34	ug/L			08/03/23 10:15	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/03/23 10:15	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			08/03/23 10:15	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			08/03/23 10:15	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			08/03/23 10:15	1
Styrene	<0.39		1.0	0.39	ug/L			08/03/23 10:15	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			08/03/23 10:15	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/03/23 10:15	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/03/23 10:15	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			08/03/23 10:15	1
Toluene	<0.15		0.50	0.15	ug/L			08/03/23 10:15	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			08/03/23 10:15	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/03/23 10:15	1

Eurofins Chicago

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: EB-06
Date Collected: 07/20/23 14:46
Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-46
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/03/23 10:15	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/03/23 10:15	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/03/23 10:15	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/03/23 10:15	1
Trichloroethene	<0.16		0.50	0.16	ug/L			08/03/23 10:15	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/03/23 10:15	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/03/23 10:15	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			08/03/23 10:15	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			08/03/23 10:15	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/03/23 10:15	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			08/03/23 10:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		72 - 124		08/03/23 10:15	1
Dibromofluoromethane (Surr)	94		75 - 120		08/03/23 10:15	1
1,2-Dichloroethane-d4 (Surr)	97		75 - 126		08/03/23 10:15	1
Toluene-d8 (Surr)	108		75 - 120		08/03/23 10:15	1

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.2		4.6	2.2	ng/L		07/26/23 20:59	07/28/23 05:01	1
Perfluoropentanoic acid (PFPeA)	<0.45		1.8	0.45	ng/L		07/26/23 20:59	07/28/23 05:01	1
Perfluorohexanoic acid (PFHxA)	<0.54		1.8	0.54	ng/L		07/26/23 20:59	07/28/23 05:01	1
Perfluoroheptanoic acid (PFHpA)	<0.23		1.8	0.23	ng/L		07/26/23 20:59	07/28/23 05:01	1
Perfluorooctanoic acid (PFOA)	<0.78		1.8	0.78	ng/L		07/26/23 20:59	07/28/23 05:01	1
Perfluorononanoic acid (PFNA)	<0.25		1.8	0.25	ng/L		07/26/23 20:59	07/28/23 05:01	1
Perfluorodecanoic acid (PFDA)	<0.29		1.8	0.29	ng/L		07/26/23 20:59	07/28/23 05:01	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.8	1.0	ng/L		07/26/23 20:59	07/28/23 05:01	1
Perfluorododecanoic acid (PFDoA)	<0.51		1.8	0.51	ng/L		07/26/23 20:59	07/28/23 05:01	1
Perfluorotridecanoic acid (PFTriA)	<1.2		1.8	1.2	ng/L		07/26/23 20:59	07/28/23 05:01	1
Perfluorotetradecanoic acid (PFTeA)	<0.67		1.8	0.67	ng/L		07/26/23 20:59	07/28/23 05:01	1
Perfluorobutanesulfonic acid (PFBS)	<0.18		1.8	0.18	ng/L		07/26/23 20:59	07/28/23 05:01	1
Perfluoropentanesulfonic acid (PFPeS)	<0.28		1.8	0.28	ng/L		07/26/23 20:59	07/28/23 05:01	1
Perfluorohexanesulfonic acid (PFHxS)	<0.53		1.8	0.53	ng/L		07/26/23 20:59	07/28/23 05:01	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.18		1.8	0.18	ng/L		07/26/23 20:59	07/28/23 05:01	1
Perfluorooctanesulfonic acid (PFOS)	<0.50		1.8	0.50	ng/L		07/26/23 20:59	07/28/23 05:01	1
Perfluorononanesulfonic acid (PFNS)	<0.34		1.8	0.34	ng/L		07/26/23 20:59	07/28/23 05:01	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.8	0.30	ng/L		07/26/23 20:59	07/28/23 05:01	1
Perfluorododecanesulfonic acid (PFDoS)	<0.90		1.8	0.90	ng/L		07/26/23 20:59	07/28/23 05:01	1
Perfluorooctanesulfonamide (FOSA)	<0.90		1.8	0.90	ng/L		07/26/23 20:59	07/28/23 05:01	1
NEtFOSA	<0.80		1.8	0.80	ng/L		07/26/23 20:59	07/28/23 05:01	1
NMeFOSA	<0.40		1.8	0.40	ng/L		07/26/23 20:59	07/28/23 05:01	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<1.1		4.6	1.1	ng/L		07/26/23 20:59	07/28/23 05:01	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<1.2		4.6	1.2	ng/L		07/26/23 20:59	07/28/23 05:01	1
NMeFOSE	<1.3		3.7	1.3	ng/L		07/26/23 20:59	07/28/23 05:01	1
NEtFOSE	<0.78		1.8	0.78	ng/L		07/26/23 20:59	07/28/23 05:01	1

Eurofins Chicago

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: EB-06
Date Collected: 07/20/23 14:46
Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-46
Matrix: Water

Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4:2 FTS	<0.22		1.8	0.22	ng/L		07/26/23 20:59	07/28/23 05:01	1
6:2 FTS	<2.3		4.6	2.3	ng/L		07/26/23 20:59	07/28/23 05:01	1
8:2 FTS	<0.42		1.8	0.42	ng/L		07/26/23 20:59	07/28/23 05:01	1
DONA	<0.37		1.8	0.37	ng/L		07/26/23 20:59	07/28/23 05:01	1
HFPO-DA (GenX)	<1.4		3.7	1.4	ng/L		07/26/23 20:59	07/28/23 05:01	1
F-53B Major	<0.22		1.8	0.22	ng/L		07/26/23 20:59	07/28/23 05:01	1
F-53B Minor	<0.30		1.8	0.30	ng/L		07/26/23 20:59	07/28/23 05:01	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	115		25 - 150				07/26/23 20:59	07/28/23 05:01	1
13C5 PFPeA	118		25 - 150				07/26/23 20:59	07/28/23 05:01	1
13C2 PFHxA	118		25 - 150				07/26/23 20:59	07/28/23 05:01	1
13C4 PFHpA	123		25 - 150				07/26/23 20:59	07/28/23 05:01	1
13C4 PFOA	109		25 - 150				07/26/23 20:59	07/28/23 05:01	1
13C5 PFNA	115		25 - 150				07/26/23 20:59	07/28/23 05:01	1
13C2 PFDA	118		25 - 150				07/26/23 20:59	07/28/23 05:01	1
13C2 PFUnA	113		25 - 150				07/26/23 20:59	07/28/23 05:01	1
13C2 PFDoA	106		25 - 150				07/26/23 20:59	07/28/23 05:01	1
13C2 PFTeDA	93		25 - 150				07/26/23 20:59	07/28/23 05:01	1
13C3 PFBS	115		25 - 150				07/26/23 20:59	07/28/23 05:01	1
18O2 PFHxS	119		25 - 150				07/26/23 20:59	07/28/23 05:01	1
13C4 PFOS	116		25 - 150				07/26/23 20:59	07/28/23 05:01	1
13C8 FOSA	118		10 - 150				07/26/23 20:59	07/28/23 05:01	1
d3-NMeFOSAA	120		25 - 150				07/26/23 20:59	07/28/23 05:01	1
d5-NEtFOSAA	119		25 - 150				07/26/23 20:59	07/28/23 05:01	1
d-N-MeFOSA-M	98		10 - 150				07/26/23 20:59	07/28/23 05:01	1
d-N-EtFOSA-M	99		10 - 150				07/26/23 20:59	07/28/23 05:01	1
d7-N-MeFOSE-M	106		10 - 150				07/26/23 20:59	07/28/23 05:01	1
d9-N-EtFOSE-M	101		10 - 150				07/26/23 20:59	07/28/23 05:01	1
M2-4:2 FTS	126		25 - 150				07/26/23 20:59	07/28/23 05:01	1
M2-6:2 FTS	120		25 - 150				07/26/23 20:59	07/28/23 05:01	1
M2-8:2 FTS	107		25 - 150				07/26/23 20:59	07/28/23 05:01	1
13C3 HFPO-DA	106		25 - 150				07/26/23 20:59	07/28/23 05:01	1

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: FB-02
Date Collected: 07/18/23 15:10
Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-47
Matrix: Water

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.3		4.7	2.3	ng/L		07/26/23 20:59	07/28/23 05:12	1
Perfluoropentanoic acid (PFPeA)	<0.46		1.9	0.46	ng/L		07/26/23 20:59	07/28/23 05:12	1
Perfluorohexanoic acid (PFHxA)	<0.55		1.9	0.55	ng/L		07/26/23 20:59	07/28/23 05:12	1
Perfluoroheptanoic acid (PFHpA)	<0.24		1.9	0.24	ng/L		07/26/23 20:59	07/28/23 05:12	1
Perfluorooctanoic acid (PFOA)	<0.80		1.9	0.80	ng/L		07/26/23 20:59	07/28/23 05:12	1
Perfluorononanoic acid (PFNA)	<0.25		1.9	0.25	ng/L		07/26/23 20:59	07/28/23 05:12	1
Perfluorodecanoic acid (PFDA)	<0.29		1.9	0.29	ng/L		07/26/23 20:59	07/28/23 05:12	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		07/26/23 20:59	07/28/23 05:12	1
Perfluorododecanoic acid (PFDoA)	<0.52		1.9	0.52	ng/L		07/26/23 20:59	07/28/23 05:12	1
Perfluorotridecanoic acid (PFTriA)	<1.2		1.9	1.2	ng/L		07/26/23 20:59	07/28/23 05:12	1
Perfluorotetradecanoic acid (PFTeA)	<0.69		1.9	0.69	ng/L		07/26/23 20:59	07/28/23 05:12	1
Perfluorobutanesulfonic acid (PFBS)	<0.19		1.9	0.19	ng/L		07/26/23 20:59	07/28/23 05:12	1
Perfluoropentanesulfonic acid (PFPeS)	<0.28		1.9	0.28	ng/L		07/26/23 20:59	07/28/23 05:12	1
Perfluorohexanesulfonic acid (PFHxS)	<0.54		1.9	0.54	ng/L		07/26/23 20:59	07/28/23 05:12	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.18		1.9	0.18	ng/L		07/26/23 20:59	07/28/23 05:12	1
Perfluorooctanesulfonic acid (PFOS)	<0.51		1.9	0.51	ng/L		07/26/23 20:59	07/28/23 05:12	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		07/26/23 20:59	07/28/23 05:12	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		07/26/23 20:59	07/28/23 05:12	1
Perfluorododecanesulfonic acid (PFDoS)	<0.91		1.9	0.91	ng/L		07/26/23 20:59	07/28/23 05:12	1
Perfluorooctanesulfonamide (FOSA)	<0.92		1.9	0.92	ng/L		07/26/23 20:59	07/28/23 05:12	1
NEtFOSA	<0.82		1.9	0.82	ng/L		07/26/23 20:59	07/28/23 05:12	1
NMeFOSA	<0.41		1.9	0.41	ng/L		07/26/23 20:59	07/28/23 05:12	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<1.1		4.7	1.1	ng/L		07/26/23 20:59	07/28/23 05:12	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<1.2		4.7	1.2	ng/L		07/26/23 20:59	07/28/23 05:12	1
NMeFOSE	<1.3		3.8	1.3	ng/L		07/26/23 20:59	07/28/23 05:12	1
NEtFOSE	<0.80		1.9	0.80	ng/L		07/26/23 20:59	07/28/23 05:12	1
4:2 FTS	<0.23		1.9	0.23	ng/L		07/26/23 20:59	07/28/23 05:12	1
6:2 FTS	<2.4		4.7	2.4	ng/L		07/26/23 20:59	07/28/23 05:12	1
8:2 FTS	<0.43		1.9	0.43	ng/L		07/26/23 20:59	07/28/23 05:12	1
DONA	<0.38		1.9	0.38	ng/L		07/26/23 20:59	07/28/23 05:12	1
HFPO-DA (GenX)	<1.4		3.8	1.4	ng/L		07/26/23 20:59	07/28/23 05:12	1
F-53B Major	<0.23		1.9	0.23	ng/L		07/26/23 20:59	07/28/23 05:12	1
F-53B Minor	<0.30		1.9	0.30	ng/L		07/26/23 20:59	07/28/23 05:12	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	111		25 - 150	07/26/23 20:59	07/28/23 05:12	1
13C5 PFPeA	109		25 - 150	07/26/23 20:59	07/28/23 05:12	1
13C2 PFHxA	110		25 - 150	07/26/23 20:59	07/28/23 05:12	1
13C4 PFHpA	115		25 - 150	07/26/23 20:59	07/28/23 05:12	1
13C4 PFOA	117		25 - 150	07/26/23 20:59	07/28/23 05:12	1
13C5 PFNA	113		25 - 150	07/26/23 20:59	07/28/23 05:12	1
13C2 PFDA	119		25 - 150	07/26/23 20:59	07/28/23 05:12	1
13C2 PFUnA	111		25 - 150	07/26/23 20:59	07/28/23 05:12	1
13C2 PFDoA	111		25 - 150	07/26/23 20:59	07/28/23 05:12	1
13C2 PFTeDA	93		25 - 150	07/26/23 20:59	07/28/23 05:12	1
13C3 PFBS	117		25 - 150	07/26/23 20:59	07/28/23 05:12	1

Euofins Chicago

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: FB-02
Date Collected: 07/18/23 15:10
Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-47
Matrix: Water

Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
18O2 PFHxS	117		25 - 150	07/26/23 20:59	07/28/23 05:12	1
13C4 PFOS	109		25 - 150	07/26/23 20:59	07/28/23 05:12	1
13C8 FOSA	115		10 - 150	07/26/23 20:59	07/28/23 05:12	1
d3-NMeFOSAA	123		25 - 150	07/26/23 20:59	07/28/23 05:12	1
d5-NEtFOSAA	125		25 - 150	07/26/23 20:59	07/28/23 05:12	1
d-N-MeFOSA-M	97		10 - 150	07/26/23 20:59	07/28/23 05:12	1
d-N-EtFOSA-M	94		10 - 150	07/26/23 20:59	07/28/23 05:12	1
d7-N-MeFOSE-M	101		10 - 150	07/26/23 20:59	07/28/23 05:12	1
d9-N-EtFOSE-M	101		10 - 150	07/26/23 20:59	07/28/23 05:12	1
M2-4:2 FTS	121		25 - 150	07/26/23 20:59	07/28/23 05:12	1
M2-6:2 FTS	116		25 - 150	07/26/23 20:59	07/28/23 05:12	1
M2-8:2 FTS	116		25 - 150	07/26/23 20:59	07/28/23 05:12	1
13C3 HFPO-DA	108		25 - 150	07/26/23 20:59	07/28/23 05:12	1

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: FB-04
Date Collected: 07/19/23 14:55
Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-48
Matrix: Water

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.2		4.6	2.2	ng/L		07/26/23 20:59	07/28/23 05:23	1
Perfluoropentanoic acid (PFPeA)	<0.45		1.8	0.45	ng/L		07/26/23 20:59	07/28/23 05:23	1
Perfluorohexanoic acid (PFHxA)	<0.53		1.8	0.53	ng/L		07/26/23 20:59	07/28/23 05:23	1
Perfluoroheptanoic acid (PFHpA)	<0.23		1.8	0.23	ng/L		07/26/23 20:59	07/28/23 05:23	1
Perfluorooctanoic acid (PFOA)	<0.78		1.8	0.78	ng/L		07/26/23 20:59	07/28/23 05:23	1
Perfluorononanoic acid (PFNA)	<0.25		1.8	0.25	ng/L		07/26/23 20:59	07/28/23 05:23	1
Perfluorodecanoic acid (PFDA)	<0.28		1.8	0.28	ng/L		07/26/23 20:59	07/28/23 05:23	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.8	1.0	ng/L		07/26/23 20:59	07/28/23 05:23	1
Perfluorododecanoic acid (PFDoA)	<0.50		1.8	0.50	ng/L		07/26/23 20:59	07/28/23 05:23	1
Perfluorotridecanoic acid (PFTriA)	<1.2		1.8	1.2	ng/L		07/26/23 20:59	07/28/23 05:23	1
Perfluorotetradecanoic acid (PFTeA)	<0.67		1.8	0.67	ng/L		07/26/23 20:59	07/28/23 05:23	1
Perfluorobutanesulfonic acid (PFBS)	<0.18		1.8	0.18	ng/L		07/26/23 20:59	07/28/23 05:23	1
Perfluoropentanesulfonic acid (PFPeS)	<0.27		1.8	0.27	ng/L		07/26/23 20:59	07/28/23 05:23	1
Perfluorohexanesulfonic acid (PFHxS)	<0.52		1.8	0.52	ng/L		07/26/23 20:59	07/28/23 05:23	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.17		1.8	0.17	ng/L		07/26/23 20:59	07/28/23 05:23	1
Perfluorooctanesulfonic acid (PFOS)	<0.49		1.8	0.49	ng/L		07/26/23 20:59	07/28/23 05:23	1
Perfluorononanesulfonic acid (PFNS)	<0.34		1.8	0.34	ng/L		07/26/23 20:59	07/28/23 05:23	1
Perfluorodecanesulfonic acid (PFDS)	<0.29		1.8	0.29	ng/L		07/26/23 20:59	07/28/23 05:23	1
Perfluorododecanesulfonic acid (PFDoS)	<0.89		1.8	0.89	ng/L		07/26/23 20:59	07/28/23 05:23	1
Perfluorooctanesulfonamide (FOSA)	<0.90		1.8	0.90	ng/L		07/26/23 20:59	07/28/23 05:23	1
NEtFOSA	<0.80		1.8	0.80	ng/L		07/26/23 20:59	07/28/23 05:23	1
NMeFOSA	<0.39		1.8	0.39	ng/L		07/26/23 20:59	07/28/23 05:23	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<1.1		4.6	1.1	ng/L		07/26/23 20:59	07/28/23 05:23	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<1.2		4.6	1.2	ng/L		07/26/23 20:59	07/28/23 05:23	1
NMeFOSE	<1.3		3.7	1.3	ng/L		07/26/23 20:59	07/28/23 05:23	1
NEtFOSE	<0.78		1.8	0.78	ng/L		07/26/23 20:59	07/28/23 05:23	1
4:2 FTS	<0.22		1.8	0.22	ng/L		07/26/23 20:59	07/28/23 05:23	1
6:2 FTS	<2.3		4.6	2.3	ng/L		07/26/23 20:59	07/28/23 05:23	1
8:2 FTS	<0.42		1.8	0.42	ng/L		07/26/23 20:59	07/28/23 05:23	1
DONA	<0.37		1.8	0.37	ng/L		07/26/23 20:59	07/28/23 05:23	1
HFPO-DA (GenX)	<1.4		3.7	1.4	ng/L		07/26/23 20:59	07/28/23 05:23	1
F-53B Major	<0.22		1.8	0.22	ng/L		07/26/23 20:59	07/28/23 05:23	1
F-53B Minor	<0.29		1.8	0.29	ng/L		07/26/23 20:59	07/28/23 05:23	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	109		25 - 150	07/26/23 20:59	07/28/23 05:23	1
13C5 PFPeA	117		25 - 150	07/26/23 20:59	07/28/23 05:23	1
13C2 PFHxA	115		25 - 150	07/26/23 20:59	07/28/23 05:23	1
13C4 PFHpA	121		25 - 150	07/26/23 20:59	07/28/23 05:23	1
13C4 PFOA	112		25 - 150	07/26/23 20:59	07/28/23 05:23	1
13C5 PFNA	116		25 - 150	07/26/23 20:59	07/28/23 05:23	1
13C2 PFDA	120		25 - 150	07/26/23 20:59	07/28/23 05:23	1
13C2 PFUnA	120		25 - 150	07/26/23 20:59	07/28/23 05:23	1
13C2 PFDoA	105		25 - 150	07/26/23 20:59	07/28/23 05:23	1
13C2 PFTeDA	92		25 - 150	07/26/23 20:59	07/28/23 05:23	1
13C3 PFBS	111		25 - 150	07/26/23 20:59	07/28/23 05:23	1

Euofins Chicago

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: FB-04
Date Collected: 07/19/23 14:55
Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-48
Matrix: Water

Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
18O2 PFHxS	108		25 - 150	07/26/23 20:59	07/28/23 05:23	1
13C4 PFOS	108		25 - 150	07/26/23 20:59	07/28/23 05:23	1
13C8 FOSA	113		10 - 150	07/26/23 20:59	07/28/23 05:23	1
d3-NMeFOSAA	122		25 - 150	07/26/23 20:59	07/28/23 05:23	1
d5-NEtFOSAA	128		25 - 150	07/26/23 20:59	07/28/23 05:23	1
d-N-MeFOSA-M	89		10 - 150	07/26/23 20:59	07/28/23 05:23	1
d-N-EtFOSA-M	95		10 - 150	07/26/23 20:59	07/28/23 05:23	1
d7-N-MeFOSE-M	105		10 - 150	07/26/23 20:59	07/28/23 05:23	1
d9-N-EtFOSE-M	99		10 - 150	07/26/23 20:59	07/28/23 05:23	1
M2-4:2 FTS	115		25 - 150	07/26/23 20:59	07/28/23 05:23	1
M2-6:2 FTS	108		25 - 150	07/26/23 20:59	07/28/23 05:23	1
M2-8:2 FTS	109		25 - 150	07/26/23 20:59	07/28/23 05:23	1
13C3 HFPO-DA	112		25 - 150	07/26/23 20:59	07/28/23 05:23	1



Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: FB-06
Date Collected: 07/20/23 14:34
Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-49
Matrix: Water

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.3		4.8	2.3	ng/L		07/26/23 20:59	07/28/23 05:34	1
Perfluoropentanoic acid (PFPeA)	<0.47		1.9	0.47	ng/L		07/26/23 20:59	07/28/23 05:34	1
Perfluorohexanoic acid (PFHxA)	<0.55		1.9	0.55	ng/L		07/26/23 20:59	07/28/23 05:34	1
Perfluoroheptanoic acid (PFHpA)	<0.24		1.9	0.24	ng/L		07/26/23 20:59	07/28/23 05:34	1
Perfluorooctanoic acid (PFOA)	<0.81		1.9	0.81	ng/L		07/26/23 20:59	07/28/23 05:34	1
Perfluorononanoic acid (PFNA)	<0.26		1.9	0.26	ng/L		07/26/23 20:59	07/28/23 05:34	1
Perfluorodecanoic acid (PFDA)	<0.30		1.9	0.30	ng/L		07/26/23 20:59	07/28/23 05:34	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		07/26/23 20:59	07/28/23 05:34	1
Perfluorododecanoic acid (PFDoA)	<0.52		1.9	0.52	ng/L		07/26/23 20:59	07/28/23 05:34	1
Perfluorotridecanoic acid (PFTriA)	<1.2		1.9	1.2	ng/L		07/26/23 20:59	07/28/23 05:34	1
Perfluorotetradecanoic acid (PFTeA)	<0.69		1.9	0.69	ng/L		07/26/23 20:59	07/28/23 05:34	1
Perfluorobutanesulfonic acid (PFBS)	<0.19		1.9	0.19	ng/L		07/26/23 20:59	07/28/23 05:34	1
Perfluoropentanesulfonic acid (PFPeS)	<0.29		1.9	0.29	ng/L		07/26/23 20:59	07/28/23 05:34	1
Perfluorohexanesulfonic acid (PFHxS)	<0.54		1.9	0.54	ng/L		07/26/23 20:59	07/28/23 05:34	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.18		1.9	0.18	ng/L		07/26/23 20:59	07/28/23 05:34	1
Perfluorooctanesulfonic acid (PFOS)	<0.51		1.9	0.51	ng/L		07/26/23 20:59	07/28/23 05:34	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		07/26/23 20:59	07/28/23 05:34	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		07/26/23 20:59	07/28/23 05:34	1
Perfluorododecanesulfonic acid (PFDoS)	<0.92		1.9	0.92	ng/L		07/26/23 20:59	07/28/23 05:34	1
Perfluorooctanesulfonamide (FOSA)	<0.93		1.9	0.93	ng/L		07/26/23 20:59	07/28/23 05:34	1
NEtFOSA	<0.83		1.9	0.83	ng/L		07/26/23 20:59	07/28/23 05:34	1
NMeFOSA	<0.41		1.9	0.41	ng/L		07/26/23 20:59	07/28/23 05:34	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<1.1		4.8	1.1	ng/L		07/26/23 20:59	07/28/23 05:34	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<1.2		4.8	1.2	ng/L		07/26/23 20:59	07/28/23 05:34	1
NMeFOSE	<1.3		3.8	1.3	ng/L		07/26/23 20:59	07/28/23 05:34	1
NEtFOSE	<0.81		1.9	0.81	ng/L		07/26/23 20:59	07/28/23 05:34	1
4:2 FTS	<0.23		1.9	0.23	ng/L		07/26/23 20:59	07/28/23 05:34	1
6:2 FTS	<2.4		4.8	2.4	ng/L		07/26/23 20:59	07/28/23 05:34	1
8:2 FTS	<0.44		1.9	0.44	ng/L		07/26/23 20:59	07/28/23 05:34	1
DONA	<0.38		1.9	0.38	ng/L		07/26/23 20:59	07/28/23 05:34	1
HFPO-DA (GenX)	<1.4		3.8	1.4	ng/L		07/26/23 20:59	07/28/23 05:34	1
F-53B Major	<0.23		1.9	0.23	ng/L		07/26/23 20:59	07/28/23 05:34	1
F-53B Minor	<0.30		1.9	0.30	ng/L		07/26/23 20:59	07/28/23 05:34	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	112		25 - 150	07/26/23 20:59	07/28/23 05:34	1
13C5 PFPeA	122		25 - 150	07/26/23 20:59	07/28/23 05:34	1
13C2 PFHxA	117		25 - 150	07/26/23 20:59	07/28/23 05:34	1
13C4 PFHpA	117		25 - 150	07/26/23 20:59	07/28/23 05:34	1
13C4 PFOA	115		25 - 150	07/26/23 20:59	07/28/23 05:34	1
13C5 PFNA	117		25 - 150	07/26/23 20:59	07/28/23 05:34	1
13C2 PFDA	119		25 - 150	07/26/23 20:59	07/28/23 05:34	1
13C2 PFUnA	112		25 - 150	07/26/23 20:59	07/28/23 05:34	1
13C2 PFDoA	99		25 - 150	07/26/23 20:59	07/28/23 05:34	1
13C2 PFTeDA	82		25 - 150	07/26/23 20:59	07/28/23 05:34	1
13C3 PFBS	112		25 - 150	07/26/23 20:59	07/28/23 05:34	1

Euofins Chicago

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: FB-06
Date Collected: 07/20/23 14:34
Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-49
Matrix: Water

Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
18O2 PFHxS	119		25 - 150	07/26/23 20:59	07/28/23 05:34	1
13C4 PFOS	112		25 - 150	07/26/23 20:59	07/28/23 05:34	1
13C8 FOSA	113		10 - 150	07/26/23 20:59	07/28/23 05:34	1
d3-NMeFOSAA	114		25 - 150	07/26/23 20:59	07/28/23 05:34	1
d5-NEtFOSAA	117		25 - 150	07/26/23 20:59	07/28/23 05:34	1
d-N-MeFOSA-M	81		10 - 150	07/26/23 20:59	07/28/23 05:34	1
d-N-EtFOSA-M	82		10 - 150	07/26/23 20:59	07/28/23 05:34	1
d7-N-MeFOSE-M	97		10 - 150	07/26/23 20:59	07/28/23 05:34	1
d9-N-EtFOSE-M	92		10 - 150	07/26/23 20:59	07/28/23 05:34	1
M2-4:2 FTS	119		25 - 150	07/26/23 20:59	07/28/23 05:34	1
M2-6:2 FTS	114		25 - 150	07/26/23 20:59	07/28/23 05:34	1
M2-8:2 FTS	114		25 - 150	07/26/23 20:59	07/28/23 05:34	1
13C3 HFPO-DA	112		25 - 150	07/26/23 20:59	07/28/23 05:34	1

Definitions/Glossary

Client: Ramboll US Corporation
Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

LCMS

Qualifier	Qualifier Description
*5-	Isotope dilution analyte is outside acceptance limits, low biased.
*5+	Isotope dilution analyte is outside acceptance limits, high biased.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
I	Value is EMPC (estimated maximum possible concentration).
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

QC Association Summary

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

GC/MS VOA

Analysis Batch: 725733

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-237064-6	MW-213	Total/NA	Water	8260B	
500-237064-6 - DL	MW-213	Total/NA	Water	8260B	
500-237064-7	MW-213 DUP	Total/NA	Water	8260B	
500-237064-7 - DL	MW-213 DUP	Total/NA	Water	8260B	
500-237064-8	MW-82	Total/NA	Water	8260B	
500-237064-9	AECOM MW-19	Total/NA	Water	8260B	
500-237064-11	MW-17	Total/NA	Water	8260B	
500-237064-12	MW-37	Total/NA	Water	8260B	
500-237064-13	MW-19	Total/NA	Water	8260B	
500-237064-14	EB-03	Total/NA	Water	8260B	
500-237064-17	MW-3	Total/NA	Water	8260B	
500-237064-18	MW-5	Total/NA	Water	8260B	
500-237064-18 - DL	MW-5	Total/NA	Water	8260B	
500-237064-19	MW-8	Total/NA	Water	8260B	
500-237064-20	MW-31	Total/NA	Water	8260B	
MB 500-725733/30	Method Blank	Total/NA	Water	8260B	
LCS 500-725733/4	Lab Control Sample	Total/NA	Water	8260B	
500-237064-9 MS	AECOM MW-19	Total/NA	Water	8260B	
500-237064-9 MSD	AECOM MW-19	Total/NA	Water	8260B	

Analysis Batch: 725914

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-237064-21	MW-16	Total/NA	Water	8260B	
500-237064-22	MW-15	Total/NA	Water	8260B	
500-237064-22 - DL	MW-15	Total/NA	Water	8260B	
500-237064-24	MW-9	Total/NA	Water	8260B	
500-237064-25	MW-9 DUP	Total/NA	Water	8260B	
500-237064-26	EB-05	Total/NA	Water	8260B	
500-237064-28	TRIP BLANK	Total/NA	Water	8260B	
MB 500-725914/6	Method Blank	Total/NA	Water	8260B	
LCS 500-725914/4	Lab Control Sample	Total/NA	Water	8260B	

Analysis Batch: 726112

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-237064-34	MW-121	Total/NA	Water	8260B	
500-237064-37	MW-209	Total/NA	Water	8260B	
500-237064-38	MW-209 DUP	Total/NA	Water	8260B	
500-237064-39	MW-219	Total/NA	Water	8260B	
500-237064-46	EB-06	Total/NA	Water	8260B	
MB 500-726112/6	Method Blank	Total/NA	Water	8260B	
LCS 500-726112/4	Lab Control Sample	Total/NA	Water	8260B	
500-237064-39 MS	MW-219	Total/NA	Water	8260B	
500-237064-39 MSD	MW-219	Total/NA	Water	8260B	

Analysis Batch: 726299

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-237064-34 - DL	MW-121	Total/NA	Water	8260B	
MB 500-726299/6	Method Blank	Total/NA	Water	8260B	
LCS 500-726299/24	Lab Control Sample	Total/NA	Water	8260B	

QC Association Summary

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

GC/MS VOA

Analysis Batch: 726349

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-237064-37 - RA	MW-209	Total/NA	Water	8260B	
MB 500-726349/6	Method Blank	Total/NA	Water	8260B	
LCS 500-726349/4	Lab Control Sample	Total/NA	Water	8260B	

LCMS

Prep Batch: 693847

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-237064-1	MW-201	Total/NA	Water	3535	
500-237064-2	MW-204	Total/NA	Water	3535	
500-237064-3	EB-01	Total/NA	Water	3535	
500-237064-4	FB-01	Total/NA	Water	3535	
500-237064-5	PZ-206	Total/NA	Water	3535	
500-237064-6	MW-213	Total/NA	Water	3535	
500-237064-7	MW-213 DUP	Total/NA	Water	3535	
500-237064-10	PZ-214	Total/NA	Water	3535	
500-237064-14	EB-03	Total/NA	Water	3535	
500-237064-15	FB-03	Total/NA	Water	3535	
500-237064-16 - DL	MW-48	Total/NA	Water	3535	
500-237064-16	MW-48	Total/NA	Water	3535	
500-237064-23	MW-12	Total/NA	Water	3535	
500-237064-24 - RA	MW-9	Total/NA	Water	3535	
500-237064-24	MW-9	Total/NA	Water	3535	
500-237064-25	MW-9 DUP	Total/NA	Water	3535	
500-237064-25 - RA	MW-9 DUP	Total/NA	Water	3535	
500-237064-26	EB-05	Total/NA	Water	3535	
500-237064-27	FB-05	Total/NA	Water	3535	
500-237064-29	AMEC_MW-14	Total/NA	Water	3535	
500-237064-30	AMEC_MW-15	Total/NA	Water	3535	
500-237064-31	AMEC_MW-16	Total/NA	Water	3535	
500-237064-31 - DL	AMEC_MW-16	Total/NA	Water	3535	
500-237064-32	AMEC_MW-16A	Total/NA	Water	3535	
MB 320-693847/1-A	Method Blank	Total/NA	Water	3535	
LCS 320-693847/2-A	Lab Control Sample	Total/NA	Water	3535	
500-237064-23 MS	MW-12	Total/NA	Water	3535	
500-237064-23 MSD	MW-12	Total/NA	Water	3535	

Prep Batch: 693849

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-237064-33	AMEC_MW-17	Total/NA	Water	3535	
500-237064-35	MW-200	Total/NA	Water	3535	
500-237064-36	PZ-200	Total/NA	Water	3535	
500-237064-37	MW-209	Total/NA	Water	3535	
500-237064-38	MW-209 DUP	Total/NA	Water	3535	
500-237064-40	MW-226	Total/NA	Water	3535	
500-237064-41	PZ-226	Total/NA	Water	3535	
500-237064-42	MW-235	Total/NA	Water	3535	
500-237064-43	MW-236	Total/NA	Water	3535	
500-237064-44	EB-02	Total/NA	Water	3535	
MB 320-693849/1-A	Method Blank	Total/NA	Water	3535	
LCS 320-693849/2-A	Lab Control Sample	Total/NA	Water	3535	

Eurofins Chicago

QC Association Summary

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

LCMS (Continued)

Prep Batch: 693849 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-237064-40 MS	MW-226	Total/NA	Water	3535	
500-237064-40 MSD	MW-226	Total/NA	Water	3535	

Prep Batch: 694112

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-237064-45	EB-04	Total/NA	Water	3535	
500-237064-46	EB-06	Total/NA	Water	3535	
500-237064-47	FB-02	Total/NA	Water	3535	
500-237064-48	FB-04	Total/NA	Water	3535	
500-237064-49	FB-06	Total/NA	Water	3535	
MB 320-694112/1-A	Method Blank	Total/NA	Water	3535	
LCS 320-694112/2-A	Lab Control Sample	Total/NA	Water	3535	
LCSD 320-694112/3-A	Lab Control Sample Dup	Total/NA	Water	3535	

Analysis Batch: 694215

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-237064-1	MW-201	Total/NA	Water	537 (modified)	693847
500-237064-2	MW-204	Total/NA	Water	537 (modified)	693847
500-237064-3	EB-01	Total/NA	Water	537 (modified)	693847
500-237064-4	FB-01	Total/NA	Water	537 (modified)	693847
500-237064-5	PZ-206	Total/NA	Water	537 (modified)	693847
500-237064-6	MW-213	Total/NA	Water	537 (modified)	693847
500-237064-7	MW-213 DUP	Total/NA	Water	537 (modified)	693847
500-237064-10	PZ-214	Total/NA	Water	537 (modified)	693847
500-237064-14	EB-03	Total/NA	Water	537 (modified)	693847
500-237064-15	FB-03	Total/NA	Water	537 (modified)	693847
500-237064-16	MW-48	Total/NA	Water	537 (modified)	693847
500-237064-24	MW-9	Total/NA	Water	537 (modified)	693847
500-237064-25	MW-9 DUP	Total/NA	Water	537 (modified)	693847
500-237064-26	EB-05	Total/NA	Water	537 (modified)	693847
500-237064-27	FB-05	Total/NA	Water	537 (modified)	693847
500-237064-29	AMEC_MW-14	Total/NA	Water	537 (modified)	693847
500-237064-30	AMEC_MW-15	Total/NA	Water	537 (modified)	693847
500-237064-31	AMEC_MW-16	Total/NA	Water	537 (modified)	693847
500-237064-32	AMEC_MW-16A	Total/NA	Water	537 (modified)	693847
MB 320-693847/1-A	Method Blank	Total/NA	Water	537 (modified)	693847
LCS 320-693847/2-A	Lab Control Sample	Total/NA	Water	537 (modified)	693847

Analysis Batch: 694223

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-237064-33	AMEC_MW-17	Total/NA	Water	537 (modified)	693849
500-237064-35	MW-200	Total/NA	Water	537 (modified)	693849
500-237064-36	PZ-200	Total/NA	Water	537 (modified)	693849
500-237064-37	MW-209	Total/NA	Water	537 (modified)	693849
500-237064-38	MW-209 DUP	Total/NA	Water	537 (modified)	693849
500-237064-40	MW-226	Total/NA	Water	537 (modified)	693849
500-237064-41	PZ-226	Total/NA	Water	537 (modified)	693849
500-237064-42	MW-235	Total/NA	Water	537 (modified)	693849
500-237064-43	MW-236	Total/NA	Water	537 (modified)	693849
500-237064-44	EB-02	Total/NA	Water	537 (modified)	693849
MB 320-693849/1-A	Method Blank	Total/NA	Water	537 (modified)	693849

Eurofins Chicago

QC Association Summary

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

LCMS (Continued)

Analysis Batch: 694223 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 320-693849/2-A	Lab Control Sample	Total/NA	Water	537 (modified)	693849
500-237064-40 MS	MW-226	Total/NA	Water	537 (modified)	693849
500-237064-40 MSD	MW-226	Total/NA	Water	537 (modified)	693849

Analysis Batch: 694464

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-237064-45	EB-04	Total/NA	Water	537 (modified)	694112
500-237064-46	EB-06	Total/NA	Water	537 (modified)	694112
500-237064-47	FB-02	Total/NA	Water	537 (modified)	694112
500-237064-48	FB-04	Total/NA	Water	537 (modified)	694112
500-237064-49	FB-06	Total/NA	Water	537 (modified)	694112
MB 320-694112/1-A	Method Blank	Total/NA	Water	537 (modified)	694112
LCS 320-694112/2-A	Lab Control Sample	Total/NA	Water	537 (modified)	694112
LCSD 320-694112/3-A	Lab Control Sample Dup	Total/NA	Water	537 (modified)	694112

Analysis Batch: 694798

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-237064-16 - DL	MW-48	Total/NA	Water	537 (modified)	693847
500-237064-31 - DL	AMEC_MW-16	Total/NA	Water	537 (modified)	693847

Analysis Batch: 695039

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-237064-23	MW-12	Total/NA	Water	537 (modified)	693847
500-237064-23 MS	MW-12	Total/NA	Water	537 (modified)	693847
500-237064-23 MSD	MW-12	Total/NA	Water	537 (modified)	693847

Prep Batch: 695760

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-237064-29 - RE	AMEC_MW-14	Total/NA	Water	3535	
MB 320-695760/1-A	Method Blank	Total/NA	Water	3535	
LCS 320-695760/2-A	Lab Control Sample	Total/NA	Water	3535	

Analysis Batch: 696077

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-237064-29 - RE	AMEC_MW-14	Total/NA	Water	537 (modified)	695760
LCS 320-695760/2-A	Lab Control Sample	Total/NA	Water	537 (modified)	695760

Analysis Batch: 696784

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 320-695760/1-A	Method Blank	Total/NA	Water	537 (modified)	695760

Analysis Batch: 700510

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-237064-24 - RA	MW-9	Total/NA	Water	537 (modified)	693847
500-237064-25 - RA	MW-9 DUP	Total/NA	Water	537 (modified)	693847

Surrogate Summary

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

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

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		BFB (72-124)	DBFM (75-120)	DCA (75-126)	TOL (75-120)
500-237064-6	MW-213	91	111	94	110
500-237064-6 - DL	MW-213	94	112	99	108
500-237064-7	MW-213 DUP	90	109	92	112
500-237064-7 - DL	MW-213 DUP	95	108	96	108
500-237064-8	MW-82	95	111	96	108
500-237064-9	AECOM MW-19	97	107	93	107
500-237064-9 MS	AECOM MW-19	95	109	94	112
500-237064-9 MSD	AECOM MW-19	95	108	91	114
500-237064-11	MW-17	94	112	95	109
500-237064-12	MW-37	94	110	96	108
500-237064-13	MW-19	94	110	97	108
500-237064-14	EB-03	95	112	99	110
500-237064-17	MW-3	93	111	98	108
500-237064-18	MW-5	94	110	96	110
500-237064-18 - DL	MW-5	96	111	95	109
500-237064-19	MW-8	94	112	94	110
500-237064-20	MW-31	96	107	95	110
500-237064-21	MW-16	103	100	101	94
500-237064-22	MW-15	121	99	100	95
500-237064-22 - DL	MW-15	113	103	102	92
500-237064-24	MW-9	114	101	100	95
500-237064-25	MW-9 DUP	114	100	101	95
500-237064-26	EB-05	109	101	100	93
500-237064-28	TRIP BLANK	112	100	101	94
500-237064-34	MW-121	104	96	99	105
500-237064-34 - DL	MW-121	108	96	95	107
500-237064-37	MW-209	119	100	103	105
500-237064-37 - RA	MW-209	108	99	102	93
500-237064-38	MW-209 DUP	112	98	102	106
500-237064-39	MW-219	121	95	103	110
500-237064-39 MS	MW-219	106	101	102	106
500-237064-39 MSD	MW-219	104	96	99	108
500-237064-46	EB-06	115	94	97	108
LCS 500-725733/4	Lab Control Sample	97	104	91	110
LCS 500-725914/4	Lab Control Sample	106	94	91	96
LCS 500-726112/4	Lab Control Sample	96	99	101	109
LCS 500-726299/24	Lab Control Sample	99	102	105	102
LCS 500-726349/4	Lab Control Sample	101	98	97	95
MB 500-725733/30	Method Blank	95	106	91	107
MB 500-725914/6	Method Blank	114	99	98	94
MB 500-726112/6	Method Blank	109	97	100	105
MB 500-726299/6	Method Blank	112	95	102	107
MB 500-726349/6	Method Blank	106	94	99	95

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
 DBFM = Dibromofluoromethane (Surr)
 DCA = 1,2-Dichloroethane-d4 (Surr)
 TOL = Toluene-d8 (Surr)

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

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

Lab Sample ID: MB 500-725733/30
Matrix: Water
Analysis Batch: 725733

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.15		0.50	0.15	ug/L			08/01/23 11:08	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/01/23 11:08	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/01/23 11:08	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/01/23 11:08	1
Bromoform	<0.48		1.0	0.48	ug/L			08/01/23 11:08	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/01/23 11:08	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/01/23 11:08	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/01/23 11:08	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/01/23 11:08	1
Chloroform	<0.37		2.0	0.37	ug/L			08/01/23 11:08	1
Chloromethane	<0.32		5.0	0.32	ug/L			08/01/23 11:08	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/01/23 11:08	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/01/23 11:08	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			08/01/23 11:08	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/01/23 11:08	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/01/23 11:08	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/01/23 11:08	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/01/23 11:08	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/01/23 11:08	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/01/23 11:08	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/01/23 11:08	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/01/23 11:08	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/01/23 11:08	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/01/23 11:08	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/01/23 11:08	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/01/23 11:08	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/01/23 11:08	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/01/23 11:08	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/01/23 11:08	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/01/23 11:08	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/01/23 11:08	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/01/23 11:08	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			08/01/23 11:08	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/01/23 11:08	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/01/23 11:08	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/01/23 11:08	1
Naphthalene	<0.34		1.0	0.34	ug/L			08/01/23 11:08	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/01/23 11:08	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			08/01/23 11:08	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			08/01/23 11:08	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			08/01/23 11:08	1
Styrene	<0.39		1.0	0.39	ug/L			08/01/23 11:08	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			08/01/23 11:08	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/01/23 11:08	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/01/23 11:08	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			08/01/23 11:08	1
Toluene	<0.15		0.50	0.15	ug/L			08/01/23 11:08	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			08/01/23 11:08	1

Eurofins Chicago

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

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

Lab Sample ID: MB 500-725733/30
Matrix: Water
Analysis Batch: 725733

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/01/23 11:08	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/01/23 11:08	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/01/23 11:08	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/01/23 11:08	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/01/23 11:08	1
Trichloroethene	<0.16		0.50	0.16	ug/L			08/01/23 11:08	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/01/23 11:08	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/01/23 11:08	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			08/01/23 11:08	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			08/01/23 11:08	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/01/23 11:08	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			08/01/23 11:08	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	95		72 - 124		08/01/23 11:08	1
Dibromofluoromethane (Surr)	106		75 - 120		08/01/23 11:08	1
1,2-Dichloroethane-d4 (Surr)	91		75 - 126		08/01/23 11:08	1
Toluene-d8 (Surr)	107		75 - 120		08/01/23 11:08	1

Lab Sample ID: LCS 500-725733/4
Matrix: Water
Analysis Batch: 725733

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromobenzene	50.0	43.1		ug/L		86	70 - 122
Bromochloromethane	50.0	43.2		ug/L		86	65 - 122
Bromodichloromethane	50.0	37.2		ug/L		74	69 - 120
Bromoform	50.0	37.0		ug/L		74	56 - 132
Bromomethane	50.0	39.0		ug/L		78	40 - 152
Carbon tetrachloride	50.0	42.8		ug/L		86	59 - 133
Chlorobenzene	50.0	43.0		ug/L		86	70 - 120
Chloroethane	50.0	52.2		ug/L		104	48 - 136
Chloroform	50.0	43.6		ug/L		87	70 - 120
Chloromethane	50.0	41.7		ug/L		83	56 - 152
2-Chlorotoluene	50.0	44.6		ug/L		89	70 - 125
4-Chlorotoluene	50.0	42.2		ug/L		84	68 - 124
cis-1,2-Dichloroethene	50.0	47.2		ug/L		94	70 - 125
cis-1,3-Dichloropropene	50.0	42.8		ug/L		86	64 - 127
Dibromochloromethane	50.0	36.3		ug/L		73	68 - 125
1,2-Dibromo-3-Chloropropane	50.0	42.8		ug/L		86	56 - 123
1,2-Dibromoethane	50.0	39.9		ug/L		80	70 - 125
Dibromomethane	50.0	39.0		ug/L		78	70 - 120
1,2-Dichlorobenzene	50.0	45.7		ug/L		91	70 - 125
1,3-Dichlorobenzene	50.0	44.1		ug/L		88	70 - 125
1,4-Dichlorobenzene	50.0	43.5		ug/L		87	70 - 120
Dichlorodifluoromethane	50.0	29.4		ug/L		59	40 - 159
1,1-Dichloroethane	50.0	48.1		ug/L		96	70 - 125

Eurofins Chicago

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

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

Lab Sample ID: LCS 500-725733/4
Matrix: Water
Analysis Batch: 725733

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dichloroethane	50.0	38.7		ug/L		77	68 - 127
1,1-Dichloroethene	50.0	47.0		ug/L		94	67 - 122
1,2-Dichloropropane	50.0	42.7		ug/L		85	67 - 130
1,3-Dichloropropane	50.0	41.4		ug/L		83	62 - 136
2,2-Dichloropropane	50.0	45.6		ug/L		91	58 - 139
1,1-Dichloropropene	50.0	48.5		ug/L		97	70 - 121
Ethylbenzene	50.0	43.6		ug/L		87	70 - 123
Hexachlorobutadiene	50.0	56.8		ug/L		114	51 - 150
Isopropylbenzene	50.0	44.6		ug/L		89	70 - 126
Methylene Chloride	50.0	48.9		ug/L		98	69 - 125
Methyl tert-butyl ether	50.0	41.7		ug/L		83	55 - 123
Naphthalene	50.0	44.3		ug/L		89	53 - 144
n-Butylbenzene	50.0	44.1		ug/L		88	68 - 125
N-Propylbenzene	50.0	43.4		ug/L		87	69 - 127
p-Isopropyltoluene	50.0	43.8		ug/L		88	70 - 125
sec-Butylbenzene	50.0	44.1		ug/L		88	70 - 123
Styrene	50.0	41.7		ug/L		83	70 - 120
tert-Butylbenzene	50.0	43.2		ug/L		86	70 - 121
1,1,1,2-Tetrachloroethane	50.0	47.6		ug/L		95	70 - 125
1,1,2,2-Tetrachloroethane	50.0	41.9		ug/L		84	62 - 140
Tetrachloroethene	50.0	46.8		ug/L		94	70 - 128
Toluene	50.0	44.4		ug/L		89	70 - 125
trans-1,2-Dichloroethene	50.0	47.4		ug/L		95	70 - 125
trans-1,3-Dichloropropene	50.0	39.4		ug/L		79	62 - 128
1,2,3-Trichlorobenzene	50.0	53.3		ug/L		107	51 - 145
1,2,4-Trichlorobenzene	50.0	53.6		ug/L		107	57 - 137
1,1,1-Trichloroethane	50.0	43.6		ug/L		87	70 - 125
1,1,2-Trichloroethane	50.0	40.1		ug/L		80	71 - 130
Trichloroethene	50.0	42.1		ug/L		84	70 - 125
Trichlorofluoromethane	50.0	40.0		ug/L		80	55 - 128
1,2,3-Trichloropropane	50.0	41.3		ug/L		83	50 - 133
1,2,4-Trimethylbenzene	50.0	45.3		ug/L		91	70 - 123
1,3,5-Trimethylbenzene	50.0	44.9		ug/L		90	70 - 123
Vinyl chloride	50.0	49.6		ug/L		99	64 - 126
Xylenes, Total	100	92.9		ug/L		93	70 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		72 - 124
Dibromofluoromethane (Surr)	104		75 - 120
1,2-Dichloroethane-d4 (Surr)	91		75 - 126
Toluene-d8 (Surr)	110		75 - 120

Lab Sample ID: 500-237064-9 MS
Matrix: Water
Analysis Batch: 725733

Client Sample ID: AECOM MW-19
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.15		50.0	50.0		ug/L		100	70 - 120

Eurofins Chicago

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

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

Lab Sample ID: 500-237064-9 MS
Matrix: Water
Analysis Batch: 725733

Client Sample ID: AECOM MW-19
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Bromobenzene	<0.36		50.0	46.3		ug/L		93	70 - 122
Bromochloromethane	<0.43		50.0	49.1		ug/L		98	65 - 122
Bromodichloromethane	<0.37		50.0	40.3		ug/L		81	69 - 120
Bromoform	<0.48		50.0	41.7		ug/L		83	56 - 132
Bromomethane	<0.80		50.0	55.5		ug/L		111	40 - 152
Carbon tetrachloride	<0.38		50.0	49.4		ug/L		99	59 - 133
Chlorobenzene	<0.39		50.0	45.8		ug/L		92	70 - 120
Chloroethane	<0.51		50.0	58.3		ug/L		117	48 - 136
Chloroform	<0.37		50.0	48.9		ug/L		98	70 - 120
Chloromethane	<0.32		50.0	43.3		ug/L		87	56 - 152
2-Chlorotoluene	<0.31		50.0	49.5		ug/L		99	70 - 125
4-Chlorotoluene	<0.35		50.0	44.9		ug/L		90	68 - 124
cis-1,2-Dichloroethene	<0.41		50.0	52.5		ug/L		105	70 - 125
cis-1,3-Dichloropropene	<0.42		50.0	44.2		ug/L		88	64 - 127
Dibromochloromethane	<0.49		50.0	40.9		ug/L		82	68 - 125
1,2-Dibromo-3-Chloropropane	<2.0		50.0	49.7		ug/L		99	56 - 123
1,2-Dibromoethane	<0.39		50.0	42.0		ug/L		84	70 - 125
Dibromomethane	<0.27		50.0	41.3		ug/L		83	70 - 120
1,2-Dichlorobenzene	<0.33		50.0	50.9		ug/L		102	70 - 125
1,3-Dichlorobenzene	<0.40		50.0	47.4		ug/L		95	70 - 125
1,4-Dichlorobenzene	<0.36		50.0	45.9		ug/L		92	70 - 120
Dichlorodifluoromethane	<0.67		50.0	30.1		ug/L		60	40 - 159
1,1-Dichloroethane	<0.41		50.0	53.1		ug/L		106	70 - 125
1,2-Dichloroethane	<0.39		50.0	42.1		ug/L		84	68 - 127
1,1-Dichloroethene	<0.39		50.0	52.4		ug/L		105	67 - 122
1,2-Dichloropropane	<0.43		50.0	46.0		ug/L		92	67 - 130
1,3-Dichloropropane	<0.36		50.0	43.4		ug/L		87	62 - 136
2,2-Dichloropropane	<0.44		50.0	48.8		ug/L		98	58 - 139
1,1-Dichloropropene	<0.30		50.0	51.8		ug/L		104	70 - 121
Ethylbenzene	<0.18		50.0	48.0		ug/L		96	70 - 123
Hexachlorobutadiene	<0.45		50.0	69.5		ug/L		139	51 - 150
Isopropylbenzene	<0.39		50.0	51.1		ug/L		102	70 - 126
Methylene Chloride	<1.6		50.0	53.8		ug/L		108	69 - 125
Methyl tert-butyl ether	<0.39		50.0	40.9		ug/L		82	55 - 123
Naphthalene	0.36	J	50.0	49.7		ug/L		99	53 - 144
n-Butylbenzene	<0.39		50.0	50.8		ug/L		102	68 - 125
N-Propylbenzene	<0.41		50.0	48.6		ug/L		97	69 - 127
p-Isopropyltoluene	<0.36		50.0	50.3		ug/L		101	70 - 125
sec-Butylbenzene	<0.40		50.0	51.6		ug/L		103	70 - 123
Styrene	<0.39		50.0	45.4		ug/L		91	70 - 120
tert-Butylbenzene	<0.40		50.0	50.4		ug/L		101	70 - 121
1,1,1,2-Tetrachloroethane	<0.46		50.0	55.2		ug/L		110	70 - 125
1,1,1,2,2-Tetrachloroethane	<0.40		50.0	46.8		ug/L		94	62 - 140
Tetrachloroethene	<0.37		50.0	51.0		ug/L		102	70 - 128
Toluene	0.16	J	50.0	47.3		ug/L		94	70 - 125
trans-1,2-Dichloroethene	<0.35		50.0	52.8		ug/L		106	70 - 125
trans-1,3-Dichloropropene	<0.36		50.0	38.2		ug/L		76	62 - 128
1,2,3-Trichlorobenzene	<0.46		50.0	60.0		ug/L		120	51 - 145
1,2,4-Trichlorobenzene	<0.34		50.0	58.5		ug/L		117	57 - 137

Eurofins Chicago

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

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

Lab Sample ID: 500-237064-9 MS

Matrix: Water

Analysis Batch: 725733

Client Sample ID: AECOM MW-19

Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec
	Result	Qualifier	Added	Result	Qualifier				
1,1,1-Trichloroethane	<0.38		50.0	50.1		ug/L		100	70 - 125
1,1,2-Trichloroethane	<0.35		50.0	42.6		ug/L		85	71 - 130
Trichloroethene	0.84		50.0	45.1		ug/L		89	70 - 125
Trichlorofluoromethane	<0.43		50.0	44.6		ug/L		89	55 - 128
1,2,3-Trichloropropane	<0.41		50.0	45.2		ug/L		90	50 - 133
1,2,4-Trimethylbenzene	<0.36		50.0	51.3		ug/L		103	70 - 123
1,3,5-Trimethylbenzene	<0.25		50.0	50.9		ug/L		102	70 - 123
Vinyl chloride	<0.20		50.0	51.3		ug/L		103	64 - 126
Xylenes, Total	<0.22		100	103		ug/L		103	70 - 125
MS MS									
Surrogate	%Recovery	Qualifier	Limits						
4-Bromofluorobenzene (Surr)	95		72 - 124						
Dibromofluoromethane (Surr)	109		75 - 120						
1,2-Dichloroethane-d4 (Surr)	94		75 - 126						
Toluene-d8 (Surr)	112		75 - 120						

Lab Sample ID: 500-237064-9 MSD

Matrix: Water

Analysis Batch: 725733

Client Sample ID: AECOM MW-19

Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier						
Benzene	<0.15		50.0	53.1		ug/L		106	70 - 120	6	20
Bromobenzene	<0.36		50.0	49.6		ug/L		99	70 - 122	7	20
Bromochloromethane	<0.43		50.0	51.1		ug/L		102	65 - 122	4	20
Bromodichloromethane	<0.37		50.0	42.0		ug/L		84	69 - 120	4	20
Bromoform	<0.48		50.0	44.0		ug/L		88	56 - 132	5	20
Bromomethane	<0.80		50.0	59.3		ug/L		119	40 - 152	7	20
Carbon tetrachloride	<0.38		50.0	54.4		ug/L		109	59 - 133	10	20
Chlorobenzene	<0.39		50.0	48.5		ug/L		97	70 - 120	6	20
Chloroethane	<0.51		50.0	62.2		ug/L		124	48 - 136	7	20
Chloroform	<0.37		50.0	51.8		ug/L		104	70 - 120	6	20
Chloromethane	<0.32		50.0	45.6		ug/L		91	56 - 152	5	20
2-Chlorotoluene	<0.31		50.0	53.3		ug/L		107	70 - 125	7	20
4-Chlorotoluene	<0.35		50.0	48.0		ug/L		96	68 - 124	7	20
cis-1,2-Dichloroethene	<0.41		50.0	56.3		ug/L		113	70 - 125	7	20
cis-1,3-Dichloropropene	<0.42		50.0	44.9		ug/L		90	64 - 127	2	20
Dibromochloromethane	<0.49		50.0	42.2		ug/L		84	68 - 125	3	20
1,2-Dibromo-3-Chloropropane	<2.0		50.0	53.0		ug/L		106	56 - 123	6	20
1,2-Dibromoethane	<0.39		50.0	42.5		ug/L		85	70 - 125	1	20
Dibromomethane	<0.27		50.0	42.4		ug/L		85	70 - 120	2	20
1,2-Dichlorobenzene	<0.33		50.0	54.2		ug/L		108	70 - 125	6	20
1,3-Dichlorobenzene	<0.40		50.0	50.7		ug/L		101	70 - 125	7	20
1,4-Dichlorobenzene	<0.36		50.0	48.6		ug/L		97	70 - 120	6	20
Dichlorodifluoromethane	<0.67		50.0	32.0		ug/L		64	40 - 159	6	20
1,1-Dichloroethane	<0.41		50.0	56.9		ug/L		114	70 - 125	7	20
1,2-Dichloroethane	<0.39		50.0	42.6		ug/L		85	68 - 127	1	20
1,1-Dichloroethene	<0.39		50.0	57.0		ug/L		114	67 - 122	8	20
1,2-Dichloropropane	<0.43		50.0	48.0		ug/L		96	67 - 130	4	20

Eurofins Chicago

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

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

Lab Sample ID: 500-237064-9 MSD
Matrix: Water
Analysis Batch: 725733

Client Sample ID: AECOM MW-19
Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		Limit
1,3-Dichloropropane	<0.36		50.0	44.4		ug/L		89	62 - 136	2	20
2,2-Dichloropropane	<0.44		50.0	55.4		ug/L		111	58 - 139	13	20
1,1-Dichloropropene	<0.30		50.0	54.6		ug/L		109	70 - 121	5	20
Ethylbenzene	<0.18		50.0	51.4		ug/L		103	70 - 123	7	20
Hexachlorobutadiene	<0.45		50.0	73.2		ug/L		146	51 - 150	5	20
Isopropylbenzene	<0.39		50.0	55.6		ug/L		111	70 - 126	8	20
Methylene Chloride	<1.6		50.0	58.3		ug/L		117	69 - 125	8	20
Methyl tert-butyl ether	<0.39		50.0	44.1		ug/L		88	55 - 123	8	20
Naphthalene	0.36	J	50.0	54.0		ug/L		107	53 - 144	8	20
n-Butylbenzene	<0.39		50.0	54.5		ug/L		109	68 - 125	7	20
N-Propylbenzene	<0.41		50.0	52.3		ug/L		105	69 - 127	7	20
p-Isopropyltoluene	<0.36		50.0	53.9		ug/L		108	70 - 125	7	20
sec-Butylbenzene	<0.40		50.0	56.2		ug/L		112	70 - 123	9	20
Styrene	<0.39		50.0	48.4		ug/L		97	70 - 120	6	20
tert-Butylbenzene	<0.40		50.0	53.6		ug/L		107	70 - 121	6	20
1,1,1,2-Tetrachloroethane	<0.46		50.0	60.0		ug/L		120	70 - 125	8	20
1,1,2,2-Tetrachloroethane	<0.40		50.0	50.2		ug/L		100	62 - 140	7	20
Tetrachloroethene	<0.37		50.0	55.3		ug/L		111	70 - 128	8	20
Toluene	0.16	J	50.0	50.7		ug/L		101	70 - 125	7	20
trans-1,2-Dichloroethene	<0.35		50.0	58.4		ug/L		117	70 - 125	10	20
trans-1,3-Dichloropropene	<0.36		50.0	38.1		ug/L		76	62 - 128	0	20
1,2,3-Trichlorobenzene	<0.46		50.0	64.1		ug/L		128	51 - 145	7	20
1,2,4-Trichlorobenzene	<0.34		50.0	62.2		ug/L		124	57 - 137	6	20
1,1,1-Trichloroethane	<0.38		50.0	54.7		ug/L		109	70 - 125	9	20
1,1,2-Trichloroethane	<0.35		50.0	43.8		ug/L		88	71 - 130	3	20
Trichloroethene	0.84		50.0	47.4		ug/L		93	70 - 125	5	20
Trichlorofluoromethane	<0.43		50.0	48.2		ug/L		96	55 - 128	8	20
1,2,3-Trichloropropane	<0.41		50.0	48.1		ug/L		96	50 - 133	6	20
1,2,4-Trimethylbenzene	<0.36		50.0	54.8		ug/L		110	70 - 123	7	20
1,3,5-Trimethylbenzene	<0.25		50.0	55.4		ug/L		111	70 - 123	8	20
Vinyl chloride	<0.20		50.0	56.2		ug/L		112	64 - 126	9	20
Xylenes, Total	<0.22		100	112		ug/L		112	70 - 125	8	20

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	95		72 - 124
Dibromofluoromethane (Surr)	108		75 - 120
1,2-Dichloroethane-d4 (Surr)	91		75 - 126
Toluene-d8 (Surr)	114		75 - 120

Lab Sample ID: MB 500-725914/6
Matrix: Water
Analysis Batch: 725914

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.15		0.50	0.15	ug/L			08/02/23 10:15	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/02/23 10:15	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/02/23 10:15	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/02/23 10:15	1

Euofins Chicago

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

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

Lab Sample ID: MB 500-725914/6
Matrix: Water
Analysis Batch: 725914

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	<0.48		1.0	0.48	ug/L			08/02/23 10:15	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/02/23 10:15	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/02/23 10:15	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/02/23 10:15	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/02/23 10:15	1
Chloroform	<0.37		2.0	0.37	ug/L			08/02/23 10:15	1
Chloromethane	<0.32		5.0	0.32	ug/L			08/02/23 10:15	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/02/23 10:15	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/02/23 10:15	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			08/02/23 10:15	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/02/23 10:15	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/02/23 10:15	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/02/23 10:15	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/02/23 10:15	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/02/23 10:15	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/02/23 10:15	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/02/23 10:15	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/02/23 10:15	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/02/23 10:15	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/02/23 10:15	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/02/23 10:15	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/02/23 10:15	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/02/23 10:15	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/02/23 10:15	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/02/23 10:15	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/02/23 10:15	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/02/23 10:15	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/02/23 10:15	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			08/02/23 10:15	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/02/23 10:15	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/02/23 10:15	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/02/23 10:15	1
Naphthalene	<0.34		1.0	0.34	ug/L			08/02/23 10:15	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/02/23 10:15	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			08/02/23 10:15	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			08/02/23 10:15	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			08/02/23 10:15	1
Styrene	<0.39		1.0	0.39	ug/L			08/02/23 10:15	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			08/02/23 10:15	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/02/23 10:15	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/02/23 10:15	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			08/02/23 10:15	1
Toluene	0.155	J	0.50	0.15	ug/L			08/02/23 10:15	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			08/02/23 10:15	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/02/23 10:15	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/02/23 10:15	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/02/23 10:15	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/02/23 10:15	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/02/23 10:15	1

Eurofins Chicago

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

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

Lab Sample ID: MB 500-725914/6
Matrix: Water
Analysis Batch: 725914

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	<0.16		0.50	0.16	ug/L			08/02/23 10:15	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/02/23 10:15	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/02/23 10:15	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			08/02/23 10:15	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			08/02/23 10:15	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/02/23 10:15	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			08/02/23 10:15	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		72 - 124		08/02/23 10:15	1
Dibromofluoromethane (Surr)	99		75 - 120		08/02/23 10:15	1
1,2-Dichloroethane-d4 (Surr)	98		75 - 126		08/02/23 10:15	1
Toluene-d8 (Surr)	94		75 - 120		08/02/23 10:15	1

Lab Sample ID: LCS 500-725914/4
Matrix: Water
Analysis Batch: 725914

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	50.0	45.9		ug/L		92	70 - 120
Bromobenzene	50.0	49.6		ug/L		99	70 - 122
Bromochloromethane	50.0	43.8		ug/L		88	65 - 122
Bromodichloromethane	50.0	48.3		ug/L		97	69 - 120
Bromoform	50.0	57.4		ug/L		115	56 - 132
Bromomethane	50.0	71.6		ug/L		143	40 - 152
Carbon tetrachloride	50.0	47.5		ug/L		95	59 - 133
Chlorobenzene	50.0	47.4		ug/L		95	70 - 120
Chloroethane	50.0	54.7		ug/L		109	48 - 136
Chloroform	50.0	43.6		ug/L		87	70 - 120
Chloromethane	50.0	57.0		ug/L		114	56 - 152
2-Chlorotoluene	50.0	53.7		ug/L		107	70 - 125
4-Chlorotoluene	50.0	54.4		ug/L		109	68 - 124
cis-1,2-Dichloroethene	50.0	45.7		ug/L		91	70 - 125
cis-1,3-Dichloropropene	50.0	48.8		ug/L		98	64 - 127
Dibromochloromethane	50.0	53.6		ug/L		107	68 - 125
1,2-Dibromo-3-Chloropropane	50.0	49.9		ug/L		100	56 - 123
1,2-Dibromoethane	50.0	48.0		ug/L		96	70 - 125
Dibromomethane	50.0	45.5		ug/L		91	70 - 120
1,2-Dichlorobenzene	50.0	47.6		ug/L		95	70 - 125
1,3-Dichlorobenzene	50.0	49.0		ug/L		98	70 - 125
1,4-Dichlorobenzene	50.0	48.2		ug/L		96	70 - 120
Dichlorodifluoromethane	50.0	39.8		ug/L		80	40 - 159
1,1-Dichloroethane	50.0	50.1		ug/L		100	70 - 125
1,2-Dichloroethane	50.0	46.3		ug/L		93	68 - 127
1,1-Dichloroethene	50.0	45.0		ug/L		90	67 - 122
1,2-Dichloropropane	50.0	51.8		ug/L		104	67 - 130
1,3-Dichloropropane	50.0	49.6		ug/L		99	62 - 136
2,2-Dichloropropane	50.0	46.5		ug/L		93	58 - 139

Eurofins Chicago

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

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

Lab Sample ID: LCS 500-725914/4
Matrix: Water
Analysis Batch: 725914

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloropropene	50.0	46.6		ug/L		93	70 - 121
Ethylbenzene	50.0	47.9		ug/L		96	70 - 123
Hexachlorobutadiene	50.0	32.6		ug/L		65	51 - 150
Isopropylbenzene	50.0	51.5		ug/L		103	70 - 126
Methylene Chloride	50.0	45.7		ug/L		91	69 - 125
Methyl tert-butyl ether	50.0	33.7		ug/L		67	55 - 123
Naphthalene	50.0	32.7		ug/L		65	53 - 144
n-Butylbenzene	50.0	51.3		ug/L		103	68 - 125
N-Propylbenzene	50.0	55.8		ug/L		112	69 - 127
p-Isopropyltoluene	50.0	52.1		ug/L		104	70 - 125
sec-Butylbenzene	50.0	52.4		ug/L		105	70 - 123
Styrene	50.0	50.5		ug/L		101	70 - 120
tert-Butylbenzene	50.0	51.3		ug/L		103	70 - 121
1,1,1,2-Tetrachloroethane	50.0	49.1		ug/L		98	70 - 125
1,1,2,2-Tetrachloroethane	50.0	55.2		ug/L		110	62 - 140
Tetrachloroethene	50.0	42.0		ug/L		84	70 - 128
Toluene	50.0	48.9		ug/L		98	70 - 125
trans-1,2-Dichloroethene	50.0	45.9		ug/L		92	70 - 125
trans-1,3-Dichloropropene	50.0	51.0		ug/L		102	62 - 128
1,2,3-Trichlorobenzene	50.0	28.7		ug/L		57	51 - 145
1,2,4-Trichlorobenzene	50.0	31.0		ug/L		62	57 - 137
1,1,1-Trichloroethane	50.0	42.1		ug/L		84	70 - 125
1,1,2-Trichloroethane	50.0	48.4		ug/L		97	71 - 130
Trichloroethene	50.0	44.4		ug/L		89	70 - 125
Trichlorofluoromethane	50.0	45.8		ug/L		92	55 - 128
1,2,3-Trichloropropane	50.0	51.1		ug/L		102	50 - 133
1,2,4-Trimethylbenzene	50.0	53.1		ug/L		106	70 - 123
1,3,5-Trimethylbenzene	50.0	52.2		ug/L		104	70 - 123
Vinyl chloride	50.0	53.8		ug/L		108	64 - 126
Xylenes, Total	100	98.3		ug/L		98	70 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		72 - 124
Dibromofluoromethane (Surr)	94		75 - 120
1,2-Dichloroethane-d4 (Surr)	91		75 - 126
Toluene-d8 (Surr)	96		75 - 120

Lab Sample ID: MB 500-726112/6
Matrix: Water
Analysis Batch: 726112

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			08/03/23 09:43	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/03/23 09:43	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/03/23 09:43	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/03/23 09:43	1
Bromoform	<0.48		1.0	0.48	ug/L			08/03/23 09:43	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/03/23 09:43	1

Euofins Chicago

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

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

Lab Sample ID: MB 500-726112/6
Matrix: Water
Analysis Batch: 726112

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/03/23 09:43	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/03/23 09:43	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/03/23 09:43	1
Chloroform	<0.37		2.0	0.37	ug/L			08/03/23 09:43	1
Chloromethane	<0.32		5.0	0.32	ug/L			08/03/23 09:43	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/03/23 09:43	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/03/23 09:43	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			08/03/23 09:43	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/03/23 09:43	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/03/23 09:43	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/03/23 09:43	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/03/23 09:43	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/03/23 09:43	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/03/23 09:43	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/03/23 09:43	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/03/23 09:43	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/03/23 09:43	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/03/23 09:43	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/03/23 09:43	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/03/23 09:43	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/03/23 09:43	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/03/23 09:43	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/03/23 09:43	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/03/23 09:43	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/03/23 09:43	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/03/23 09:43	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			08/03/23 09:43	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/03/23 09:43	1
Methylene Chloride	1.80	J	5.0	1.6	ug/L			08/03/23 09:43	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/03/23 09:43	1
Naphthalene	<0.34		1.0	0.34	ug/L			08/03/23 09:43	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/03/23 09:43	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			08/03/23 09:43	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			08/03/23 09:43	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			08/03/23 09:43	1
Styrene	<0.39		1.0	0.39	ug/L			08/03/23 09:43	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			08/03/23 09:43	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/03/23 09:43	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/03/23 09:43	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			08/03/23 09:43	1
Toluene	<0.15		0.50	0.15	ug/L			08/03/23 09:43	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			08/03/23 09:43	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/03/23 09:43	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/03/23 09:43	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/03/23 09:43	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/03/23 09:43	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/03/23 09:43	1
Trichloroethene	<0.16		0.50	0.16	ug/L			08/03/23 09:43	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/03/23 09:43	1

Eurofins Chicago

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

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

Lab Sample ID: MB 500-726112/6
Matrix: Water
Analysis Batch: 726112

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/03/23 09:43	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			08/03/23 09:43	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			08/03/23 09:43	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/03/23 09:43	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			08/03/23 09:43	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		72 - 124		08/03/23 09:43	1
Dibromofluoromethane (Surr)	97		75 - 120		08/03/23 09:43	1
1,2-Dichloroethane-d4 (Surr)	100		75 - 126		08/03/23 09:43	1
Toluene-d8 (Surr)	105		75 - 120		08/03/23 09:43	1

Lab Sample ID: LCS 500-726112/4
Matrix: Water
Analysis Batch: 726112

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	50.0	45.3		ug/L		91	70 - 120
Bromobenzene	50.0	53.7		ug/L		107	70 - 122
Bromochloromethane	50.0	47.2		ug/L		94	65 - 122
Bromodichloromethane	50.0	51.7		ug/L		103	69 - 120
Bromoform	50.0	46.6		ug/L		93	56 - 132
Bromomethane	50.0	53.7		ug/L		107	40 - 152
Carbon tetrachloride	50.0	53.4		ug/L		107	59 - 133
Chlorobenzene	50.0	55.3		ug/L		111	70 - 120
Chloroethane	50.0	54.9		ug/L		110	48 - 136
Chloroform	50.0	46.0		ug/L		92	70 - 120
Chloromethane	50.0	46.8		ug/L		94	56 - 152
2-Chlorotoluene	50.0	50.3		ug/L		101	70 - 125
4-Chlorotoluene	50.0	52.0		ug/L		104	68 - 124
cis-1,2-Dichloroethene	50.0	46.6		ug/L		93	70 - 125
cis-1,3-Dichloropropene	50.0	56.5		ug/L		113	64 - 127
Dibromochloromethane	50.0	55.4		ug/L		111	68 - 125
1,2-Dibromo-3-Chloropropane	50.0	43.7		ug/L		87	56 - 123
1,2-Dibromoethane	50.0	55.5		ug/L		111	70 - 125
Dibromomethane	50.0	52.2		ug/L		104	70 - 120
1,2-Dichlorobenzene	50.0	53.7		ug/L		107	70 - 125
1,3-Dichlorobenzene	50.0	54.0		ug/L		108	70 - 125
1,4-Dichlorobenzene	50.0	53.3		ug/L		107	70 - 120
Dichlorodifluoromethane	50.0	46.4		ug/L		93	40 - 159
1,1-Dichloroethane	50.0	49.1		ug/L		98	70 - 125
1,2-Dichloroethane	50.0	52.4		ug/L		105	68 - 127
1,1-Dichloroethene	50.0	46.6		ug/L		93	67 - 122
1,2-Dichloropropane	50.0	53.2		ug/L		106	67 - 130
1,3-Dichloropropane	50.0	56.6		ug/L		113	62 - 136
2,2-Dichloropropane	50.0	49.3		ug/L		99	58 - 139
1,1-Dichloropropene	50.0	48.4		ug/L		97	70 - 121
Ethylbenzene	50.0	50.1		ug/L		100	70 - 123

Eurofins Chicago

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

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

Lab Sample ID: LCS 500-726112/4
Matrix: Water
Analysis Batch: 726112

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Hexachlorobutadiene	50.0	56.3		ug/L		113	51 - 150
Isopropylbenzene	50.0	52.4		ug/L		105	70 - 126
Methylene Chloride	50.0	50.0		ug/L		100	69 - 125
Methyl tert-butyl ether	50.0	47.6		ug/L		95	55 - 123
Naphthalene	50.0	43.0		ug/L		86	53 - 144
n-Butylbenzene	50.0	51.9		ug/L		104	68 - 125
N-Propylbenzene	50.0	51.4		ug/L		103	69 - 127
p-Isopropyltoluene	50.0	52.6		ug/L		105	70 - 125
sec-Butylbenzene	50.0	51.9		ug/L		104	70 - 123
Styrene	50.0	50.3		ug/L		101	70 - 120
tert-Butylbenzene	50.0	51.5		ug/L		103	70 - 121
1,1,1,2-Tetrachloroethane	50.0	57.2		ug/L		114	70 - 125
1,1,2,2-Tetrachloroethane	50.0	49.9		ug/L		100	62 - 140
Tetrachloroethene	50.0	58.9		ug/L		118	70 - 128
Toluene	50.0	52.3		ug/L		105	70 - 125
trans-1,2-Dichloroethene	50.0	45.9		ug/L		92	70 - 125
trans-1,3-Dichloropropene	50.0	54.2		ug/L		108	62 - 128
1,2,3-Trichlorobenzene	50.0	50.2		ug/L		100	51 - 145
1,2,4-Trichlorobenzene	50.0	53.8		ug/L		108	57 - 137
1,1,1-Trichloroethane	50.0	51.0		ug/L		102	70 - 125
1,1,2-Trichloroethane	50.0	56.7		ug/L		113	71 - 130
Trichloroethene	50.0	49.7		ug/L		99	70 - 125
Trichlorofluoromethane	50.0	56.3		ug/L		113	55 - 128
1,2,3-Trichloropropane	50.0	51.6		ug/L		103	50 - 133
1,2,4-Trimethylbenzene	50.0	50.2		ug/L		100	70 - 123
1,3,5-Trimethylbenzene	50.0	51.9		ug/L		104	70 - 123
Vinyl chloride	50.0	50.4		ug/L		101	64 - 126
Xylenes, Total	100	98.7		ug/L		99	70 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		72 - 124
Dibromofluoromethane (Surr)	99		75 - 120
1,2-Dichloroethane-d4 (Surr)	101		75 - 126
Toluene-d8 (Surr)	109		75 - 120

Lab Sample ID: 500-237064-39 MS
Matrix: Water
Analysis Batch: 726112

Client Sample ID: MW-219
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.15		50.0	44.6		ug/L		89	70 - 120
Bromobenzene	<0.36		50.0	57.5		ug/L		115	70 - 122
Bromochloromethane	<0.43		50.0	45.4		ug/L		91	65 - 122
Bromodichloromethane	<0.37		50.0	50.8		ug/L		102	69 - 120
Bromoform	<0.48		50.0	46.7		ug/L		93	56 - 132
Bromomethane	<0.80		50.0	54.4		ug/L		109	40 - 152
Carbon tetrachloride	<0.38		50.0	50.1		ug/L		100	59 - 133
Chlorobenzene	<0.39		50.0	51.0		ug/L		102	70 - 120

Eurolins Chicago

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

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

Lab Sample ID: 500-237064-39 MS

Matrix: Water

Analysis Batch: 726112

Client Sample ID: MW-219

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloroethane	<0.51		50.0	43.1		ug/L		86	48 - 136
Chloroform	<0.37		50.0	44.5		ug/L		89	70 - 120
Chloromethane	<0.32		50.0	35.2		ug/L		70	56 - 152
2-Chlorotoluene	<0.31		50.0	50.7		ug/L		101	70 - 125
4-Chlorotoluene	<0.35		50.0	50.8		ug/L		102	68 - 124
cis-1,2-Dichloroethene	<0.41		50.0	44.0		ug/L		88	70 - 125
cis-1,3-Dichloropropene	<0.42		50.0	54.7		ug/L		109	64 - 127
Dibromochloromethane	<0.49		50.0	53.0		ug/L		106	68 - 125
1,2-Dibromo-3-Chloropropane	<2.0		50.0	47.4		ug/L		95	56 - 123
1,2-Dibromoethane	<0.39		50.0	54.1		ug/L		108	70 - 125
Dibromomethane	<0.27		50.0	52.5		ug/L		105	70 - 120
1,2-Dichlorobenzene	<0.33		50.0	51.5		ug/L		103	70 - 125
1,3-Dichlorobenzene	<0.40		50.0	51.9		ug/L		104	70 - 125
1,4-Dichlorobenzene	<0.36		50.0	51.6		ug/L		103	70 - 120
Dichlorodifluoromethane	<0.67		50.0	35.0		ug/L		70	40 - 159
1,1-Dichloroethane	<0.41		50.0	45.6		ug/L		91	70 - 125
1,2-Dichloroethane	<0.39		50.0	52.9		ug/L		106	68 - 127
1,1-Dichloroethene	<0.39		50.0	40.1		ug/L		80	67 - 122
1,2-Dichloropropane	<0.43		50.0	50.9		ug/L		102	67 - 130
1,3-Dichloropropane	<0.36		50.0	54.8		ug/L		110	62 - 136
2,2-Dichloropropane	<0.44		50.0	42.8		ug/L		86	58 - 139
1,1-Dichloropropene	<0.30		50.0	47.9		ug/L		96	70 - 121
Ethylbenzene	<0.18		50.0	46.1		ug/L		92	70 - 123
Hexachlorobutadiene	<0.45		50.0	57.8		ug/L		116	51 - 150
Isopropylbenzene	<0.39		50.0	52.6		ug/L		105	70 - 126
Methylene Chloride	<1.6		50.0	48.7		ug/L		97	69 - 125
Methyl tert-butyl ether	<0.39		50.0	44.5		ug/L		89	55 - 123
Naphthalene	<0.34		50.0	48.7		ug/L		97	53 - 144
n-Butylbenzene	<0.39		50.0	47.6		ug/L		95	68 - 125
N-Propylbenzene	<0.41		50.0	51.9		ug/L		104	69 - 127
p-Isopropyltoluene	<0.36		50.0	51.2		ug/L		102	70 - 125
sec-Butylbenzene	<0.40		50.0	51.5		ug/L		103	70 - 123
Styrene	<0.39		50.0	46.9		ug/L		94	70 - 120
tert-Butylbenzene	<0.40		50.0	52.4		ug/L		105	70 - 121
1,1,1,2-Tetrachloroethane	<0.46		50.0	53.4		ug/L		107	70 - 125
1,1,1,2,2-Tetrachloroethane	<0.40		50.0	52.5		ug/L		105	62 - 140
Tetrachloroethene	<0.37		50.0	57.3		ug/L		115	70 - 128
Toluene	<0.15		50.0	49.7		ug/L		99	70 - 125
trans-1,2-Dichloroethene	<0.35		50.0	53.7		ug/L		107	70 - 125
trans-1,3-Dichloropropene	<0.36		50.0	51.5		ug/L		103	62 - 128
1,2,3-Trichlorobenzene	<0.46		50.0	54.8		ug/L		110	51 - 145
1,2,4-Trichlorobenzene	<0.34		50.0	52.8		ug/L		106	57 - 137
1,1,1-Trichloroethane	<0.38		50.0	46.0		ug/L		92	70 - 125
1,1,1,2-Trichloroethane	<0.35		50.0	55.3		ug/L		111	71 - 130
Trichloroethene	<0.16		50.0	48.3		ug/L		97	70 - 125
Trichlorofluoromethane	<0.43		50.0	45.9		ug/L		92	55 - 128
1,2,3-Trichloropropane	<0.41		50.0	54.2		ug/L		108	50 - 133
1,2,4-Trimethylbenzene	<0.36		50.0	49.0		ug/L		98	70 - 123
1,3,5-Trimethylbenzene	<0.25		50.0	51.2		ug/L		102	70 - 123

Eurofins Chicago

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

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

Lab Sample ID: 500-237064-39 MS

Matrix: Water

Analysis Batch: 726112

Client Sample ID: MW-219

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Vinyl chloride	<0.20		50.0	40.7		ug/L		81	64 - 126
Xylenes, Total	<0.22		100	92.5		ug/L		93	70 - 125

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		72 - 124
Dibromofluoromethane (Surr)	101		75 - 120
1,2-Dichloroethane-d4 (Surr)	102		75 - 126
Toluene-d8 (Surr)	106		75 - 120

Lab Sample ID: 500-237064-39 MSD

Matrix: Water

Analysis Batch: 726112

Client Sample ID: MW-219

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.15		50.0	48.7		ug/L		97	70 - 120	9	20
Bromobenzene	<0.36		50.0	59.9		ug/L		120	70 - 122	4	20
Bromochloromethane	<0.43		50.0	49.6		ug/L		99	65 - 122	9	20
Bromodichloromethane	<0.37		50.0	53.8		ug/L		108	69 - 120	6	20
Bromoform	<0.48		50.0	52.8		ug/L		106	56 - 132	12	20
Bromomethane	<0.80		50.0	63.5		ug/L		127	40 - 152	15	20
Carbon tetrachloride	<0.38		50.0	56.0		ug/L		112	59 - 133	11	20
Chlorobenzene	<0.39		50.0	58.2		ug/L		116	70 - 120	13	20
Chloroethane	<0.51		50.0	52.5		ug/L		105	48 - 136	20	20
Chloroform	<0.37		50.0	48.1		ug/L		96	70 - 120	8	20
Chloromethane	<0.32		50.0	40.6		ug/L		81	56 - 152	14	20
2-Chlorotoluene	<0.31		50.0	54.6		ug/L		109	70 - 125	7	20
4-Chlorotoluene	<0.35		50.0	55.9		ug/L		112	68 - 124	10	20
cis-1,2-Dichloroethene	<0.41		50.0	49.9		ug/L		100	70 - 125	12	20
cis-1,3-Dichloropropene	<0.42		50.0	58.3		ug/L		117	64 - 127	6	20
Dibromochloromethane	<0.49		50.0	59.3		ug/L		119	68 - 125	11	20
1,2-Dibromo-3-Chloropropane	<2.0		50.0	49.0		ug/L		98	56 - 123	3	20
1,2-Dibromoethane	<0.39		50.0	58.7		ug/L		117	70 - 125	8	20
Dibromomethane	<0.27		50.0	55.6		ug/L		111	70 - 120	6	20
1,2-Dichlorobenzene	<0.33		50.0	57.4		ug/L		115	70 - 125	11	20
1,3-Dichlorobenzene	<0.40		50.0	56.9		ug/L		114	70 - 125	9	20
1,4-Dichlorobenzene	<0.36		50.0	55.9		ug/L		112	70 - 120	8	20
Dichlorodifluoromethane	<0.67		50.0	41.5		ug/L		83	40 - 159	17	20
1,1-Dichloroethane	<0.41		50.0	50.3		ug/L		101	70 - 125	10	20
1,2-Dichloroethane	<0.39		50.0	56.2		ug/L		112	68 - 127	6	20
1,1-Dichloroethene	<0.39		50.0	48.0		ug/L		96	67 - 122	18	20
1,2-Dichloropropane	<0.43		50.0	56.3		ug/L		113	67 - 130	10	20
1,3-Dichloropropane	<0.36		50.0	60.2		ug/L		120	62 - 136	9	20
2,2-Dichloropropane	<0.44		50.0	48.8		ug/L		98	58 - 139	13	20
1,1-Dichloropropene	<0.30		50.0	52.4		ug/L		105	70 - 121	9	20
Ethylbenzene	<0.18		50.0	52.0		ug/L		104	70 - 123	12	20
Hexachlorobutadiene	<0.45		50.0	63.7		ug/L		127	51 - 150	10	20
Isopropylbenzene	<0.39		50.0	56.8		ug/L		114	70 - 126	8	20
Methylene Chloride	<1.6		50.0	52.2		ug/L		104	69 - 125	7	20

Eurofins Chicago

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

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

Lab Sample ID: 500-237064-39 MSD
Matrix: Water
Analysis Batch: 726112

Client Sample ID: MW-219
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methyl tert-butyl ether	<0.39		50.0	49.9		ug/L		100	55 - 123	11	20
Naphthalene	<0.34		50.0	52.4		ug/L		105	53 - 144	7	20
n-Butylbenzene	<0.39		50.0	53.6		ug/L		107	68 - 125	12	20
N-Propylbenzene	<0.41		50.0	56.0		ug/L		112	69 - 127	8	20
p-Isopropyltoluene	<0.36		50.0	55.8		ug/L		112	70 - 125	8	20
sec-Butylbenzene	<0.40		50.0	56.0		ug/L		112	70 - 123	8	20
Styrene	<0.39		50.0	53.2		ug/L		106	70 - 120	12	20
tert-Butylbenzene	<0.40		50.0	56.2		ug/L		112	70 - 121	7	20
1,1,1,2-Tetrachloroethane	<0.46		50.0	59.1		ug/L		118	70 - 125	10	20
1,1,2,2-Tetrachloroethane	<0.40		50.0	56.4		ug/L		113	62 - 140	7	20
Tetrachloroethene	<0.37		50.0	63.2		ug/L		126	70 - 128	10	20
Toluene	<0.15		50.0	54.0		ug/L		108	70 - 125	8	20
trans-1,2-Dichloroethene	<0.35		50.0	54.3		ug/L		109	70 - 125	1	20
trans-1,3-Dichloropropene	<0.36		50.0	55.6		ug/L		111	62 - 128	8	20
1,2,3-Trichlorobenzene	<0.46		50.0	60.5		ug/L		121	51 - 145	10	20
1,2,4-Trichlorobenzene	<0.34		50.0	57.5		ug/L		115	57 - 137	9	20
1,1,1-Trichloroethane	<0.38		50.0	53.4		ug/L		107	70 - 125	15	20
1,1,2-Trichloroethane	<0.35		50.0	58.4		ug/L		117	71 - 130	6	20
Trichloroethene	<0.16		50.0	53.4		ug/L		107	70 - 125	10	20
Trichlorofluoromethane	<0.43		50.0	53.5		ug/L		107	55 - 128	15	20
1,2,3-Trichloropropane	<0.41		50.0	56.6		ug/L		113	50 - 133	4	20
1,2,4-Trimethylbenzene	<0.36		50.0	53.9		ug/L		108	70 - 123	10	20
1,3,5-Trimethylbenzene	<0.25		50.0	55.8		ug/L		112	70 - 123	9	20
Vinyl chloride	<0.20		50.0	46.3		ug/L		93	64 - 126	13	20
Xylenes, Total	<0.22		100	103		ug/L		103	70 - 125	10	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		72 - 124
Dibromofluoromethane (Surr)	96		75 - 120
1,2-Dichloroethane-d4 (Surr)	99		75 - 126
Toluene-d8 (Surr)	108		75 - 120

Lab Sample ID: MB 500-726299/6
Matrix: Water
Analysis Batch: 726299

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/03/23 22:03	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			08/03/23 22:03	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		72 - 124		08/03/23 22:03	1
Dibromofluoromethane (Surr)	95		75 - 120		08/03/23 22:03	1
1,2-Dichloroethane-d4 (Surr)	102		75 - 126		08/03/23 22:03	1
Toluene-d8 (Surr)	107		75 - 120		08/03/23 22:03	1

Euofins Chicago

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

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

Lab Sample ID: LCS 500-726299/24
Matrix: Water
Analysis Batch: 726299

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,4-Trimethylbenzene	50.0	55.3		ug/L		111	70 - 123
LCS LCS							
Surrogate	%Recovery	Qualifier	Limits				
4-Bromofluorobenzene (Surr)	99		72 - 124				
Dibromofluoromethane (Surr)	102		75 - 120				
1,2-Dichloroethane-d4 (Surr)	105		75 - 126				
Toluene-d8 (Surr)	102		75 - 120				

Lab Sample ID: MB 500-726349/6
Matrix: Water
Analysis Batch: 726349

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<0.34		1.0	0.34	ug/L			08/04/23 10:49	1
MB MB									
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		72 - 124					08/04/23 10:49	1
Dibromofluoromethane (Surr)	94		75 - 120					08/04/23 10:49	1
1,2-Dichloroethane-d4 (Surr)	99		75 - 126					08/04/23 10:49	1
Toluene-d8 (Surr)	95		75 - 120					08/04/23 10:49	1

Lab Sample ID: LCS 500-726349/4
Matrix: Water
Analysis Batch: 726349

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Naphthalene	50.0	50.8		ug/L		102	53 - 144
LCS LCS							
Surrogate	%Recovery	Qualifier	Limits				
4-Bromofluorobenzene (Surr)	101		72 - 124				
Dibromofluoromethane (Surr)	98		75 - 120				
1,2-Dichloroethane-d4 (Surr)	97		75 - 126				
Toluene-d8 (Surr)	95		75 - 120				

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-693847/1-A
Matrix: Water
Analysis Batch: 694215

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 693847

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.4		5.0	2.4	ng/L		07/26/23 05:27	07/27/23 19:02	1
Perfluoropentanoic acid (PFPeA)	<0.49		2.0	0.49	ng/L		07/26/23 05:27	07/27/23 19:02	1
Perfluorohexanoic acid (PFHxA)	<0.58		2.0	0.58	ng/L		07/26/23 05:27	07/27/23 19:02	1
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		07/26/23 05:27	07/27/23 19:02	1
Perfluorooctanoic acid (PFOA)	<0.85		2.0	0.85	ng/L		07/26/23 05:27	07/27/23 19:02	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		07/26/23 05:27	07/27/23 19:02	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		07/26/23 05:27	07/27/23 19:02	1

Eurofins Chicago

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: MB 320-693847/1-A
Matrix: Water
Analysis Batch: 694215

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 693847

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		07/26/23 05:27	07/27/23 19:02	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		07/26/23 05:27	07/27/23 19:02	1
Perfluorotridecanoic acid (PFTriA)	<1.3		2.0	1.3	ng/L		07/26/23 05:27	07/27/23 19:02	1
Perfluorotetradecanoic acid (PFTeA)	<0.73		2.0	0.73	ng/L		07/26/23 05:27	07/27/23 19:02	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		07/26/23 05:27	07/27/23 19:02	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		07/26/23 05:27	07/27/23 19:02	1
Perfluorohexanesulfonic acid (PFHxS)	<0.57		2.0	0.57	ng/L		07/26/23 05:27	07/27/23 19:02	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		07/26/23 05:27	07/27/23 19:02	1
Perfluorooctanesulfonic acid (PFOS)	<0.54		2.0	0.54	ng/L		07/26/23 05:27	07/27/23 19:02	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		07/26/23 05:27	07/27/23 19:02	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		07/26/23 05:27	07/27/23 19:02	1
Perfluorododecanesulfonic acid (PFDoS)	<0.97		2.0	0.97	ng/L		07/26/23 05:27	07/27/23 19:02	1
Perfluorooctanesulfonamide (FOSA)	<0.98		2.0	0.98	ng/L		07/26/23 05:27	07/27/23 19:02	1
NEtFOSA	<0.87		2.0	0.87	ng/L		07/26/23 05:27	07/27/23 19:02	1
NMeFOSA	<0.43		2.0	0.43	ng/L		07/26/23 05:27	07/27/23 19:02	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<1.2		5.0	1.2	ng/L		07/26/23 05:27	07/27/23 19:02	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<1.3		5.0	1.3	ng/L		07/26/23 05:27	07/27/23 19:02	1
NMeFOSE	<1.4		4.0	1.4	ng/L		07/26/23 05:27	07/27/23 19:02	1
NEtFOSE	<0.85		2.0	0.85	ng/L		07/26/23 05:27	07/27/23 19:02	1
4:2 FTS	<0.24		2.0	0.24	ng/L		07/26/23 05:27	07/27/23 19:02	1
6:2 FTS	<2.5		5.0	2.5	ng/L		07/26/23 05:27	07/27/23 19:02	1
8:2 FTS	<0.46		2.0	0.46	ng/L		07/26/23 05:27	07/27/23 19:02	1
DONA	<0.40		2.0	0.40	ng/L		07/26/23 05:27	07/27/23 19:02	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		07/26/23 05:27	07/27/23 19:02	1
F-53B Major	<0.24		2.0	0.24	ng/L		07/26/23 05:27	07/27/23 19:02	1
F-53B Minor	<0.32		2.0	0.32	ng/L		07/26/23 05:27	07/27/23 19:02	1

Isotope Dilution	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
13C4 PFBA	98		25 - 150	07/26/23 05:27	07/27/23 19:02	1
13C5 PFPeA	100		25 - 150	07/26/23 05:27	07/27/23 19:02	1
13C2 PFHxA	97		25 - 150	07/26/23 05:27	07/27/23 19:02	1
13C4 PFHpA	101		25 - 150	07/26/23 05:27	07/27/23 19:02	1
13C4 PFOA	102		25 - 150	07/26/23 05:27	07/27/23 19:02	1
13C5 PFNA	103		25 - 150	07/26/23 05:27	07/27/23 19:02	1
13C2 PFDA	107		25 - 150	07/26/23 05:27	07/27/23 19:02	1
13C2 PFUnA	110		25 - 150	07/26/23 05:27	07/27/23 19:02	1
13C2 PFDoA	102		25 - 150	07/26/23 05:27	07/27/23 19:02	1
13C2 PFTeDA	100		25 - 150	07/26/23 05:27	07/27/23 19:02	1
13C3 PFBS	106		25 - 150	07/26/23 05:27	07/27/23 19:02	1
18O2 PFHxS	104		25 - 150	07/26/23 05:27	07/27/23 19:02	1
13C4 PFOS	107		25 - 150	07/26/23 05:27	07/27/23 19:02	1
13C8 FOSA	123		10 - 150	07/26/23 05:27	07/27/23 19:02	1
d3-NMeFOSAA	126		25 - 150	07/26/23 05:27	07/27/23 19:02	1
d5-NEtFOSAA	123		25 - 150	07/26/23 05:27	07/27/23 19:02	1
d-N-MeFOSA-M	98		10 - 150	07/26/23 05:27	07/27/23 19:02	1

Eurofins Chicago

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: MB 320-693847/1-A
Matrix: Water
Analysis Batch: 694215

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 693847

Isotope Dilution	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
d-N-EtFOSA-M	98		10 - 150	07/26/23 05:27	07/27/23 19:02	1
d7-N-MeFOSE-M	116		10 - 150	07/26/23 05:27	07/27/23 19:02	1
d9-N-EtFOSE-M	107		10 - 150	07/26/23 05:27	07/27/23 19:02	1
M2-4:2 FTS	92		25 - 150	07/26/23 05:27	07/27/23 19:02	1
M2-6:2 FTS	92		25 - 150	07/26/23 05:27	07/27/23 19:02	1
M2-8:2 FTS	92		25 - 150	07/26/23 05:27	07/27/23 19:02	1
13C3 HFPO-DA	101		25 - 150	07/26/23 05:27	07/27/23 19:02	1

Lab Sample ID: LCS 320-693847/2-A
Matrix: Water
Analysis Batch: 694215

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 693847

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec
							Limits
Perfluorobutanoic acid (PFBA)	40.0	40.9		ng/L		102	60 - 135
Perfluoropentanoic acid (PFPeA)	40.0	39.6		ng/L		99	60 - 135
Perfluorohexanoic acid (PFHxA)	40.0	40.3		ng/L		101	60 - 135
Perfluoroheptanoic acid (PFHpA)	40.0	39.0		ng/L		98	60 - 135
Perfluorooctanoic acid (PFOA)	40.0	38.8		ng/L		97	60 - 135
Perfluorononanoic acid (PFNA)	40.0	43.4		ng/L		108	60 - 135
Perfluorodecanoic acid (PFDA)	40.0	39.8		ng/L		100	60 - 135
Perfluoroundecanoic acid (PFUnA)	40.0	40.6		ng/L		102	60 - 135
Perfluorododecanoic acid (PFDoA)	40.0	43.5		ng/L		109	60 - 135
Perfluorotridecanoic acid (PFTriA)	40.0	40.0		ng/L		100	60 - 135
Perfluorotetradecanoic acid (PFTeA)	40.0	39.9		ng/L		100	60 - 135
Perfluorobutanesulfonic acid (PFBS)	35.5	34.3		ng/L		97	60 - 135
Perfluoropentanesulfonic acid (PFPeS)	37.6	35.7		ng/L		95	60 - 135
Perfluorohexanesulfonic acid (PFHxS)	36.5	32.3		ng/L		89	60 - 135
Perfluoroheptanesulfonic acid (PFHpS)	38.2	35.0		ng/L		92	60 - 135
Perfluorooctanesulfonic acid (PFOS)	37.2	36.4		ng/L		98	60 - 135
Perfluorononanesulfonic acid (PFNS)	38.5	37.2		ng/L		97	60 - 135
Perfluorodecanesulfonic acid (PFDS)	38.6	38.1		ng/L		99	60 - 135
Perfluorododecanesulfonic acid (PFDoS)	38.8	32.4		ng/L		83	60 - 135
Perfluorooctanesulfonamide (FOSA)	40.0	35.7		ng/L		89	60 - 135
NEtFOSA	40.0	38.8		ng/L		97	60 - 135
NMeFOSA	40.0	41.1		ng/L		103	60 - 135
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	40.0	38.4		ng/L		96	60 - 135
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	40.0	35.8		ng/L		90	60 - 135
NMeFOSE	40.0	37.9		ng/L		95	60 - 135

Eurofins Chicago

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-693847/2-A
Matrix: Water
Analysis Batch: 694215

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 693847

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
NEtFOSE	40.0	38.0		ng/L		95	60 - 135
4:2 FTS	37.5	35.8		ng/L		95	60 - 135
6:2 FTS	38.1	35.8		ng/L		94	60 - 135
8:2 FTS	38.4	33.5		ng/L		87	60 - 135
DONA	37.8	37.6		ng/L		99	60 - 135
HFPO-DA (GenX)	40.0	42.0		ng/L		105	60 - 135
F-53B Major	37.4	32.4		ng/L		87	60 - 135
F-53B Minor	37.8	34.5		ng/L		91	60 - 135

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
13C4 PFBA	104		25 - 150
13C5 PFPeA	104		25 - 150
13C2 PFHxA	104		25 - 150
13C4 PFHpA	107		25 - 150
13C4 PFOA	107		25 - 150
13C5 PFNA	106		25 - 150
13C2 PFDA	108		25 - 150
13C2 PFUnA	113		25 - 150
13C2 PFDoA	110		25 - 150
13C2 PFTeDA	106		25 - 150
13C3 PFBS	110		25 - 150
18O2 PFHxS	110		25 - 150
13C4 PFOS	112		25 - 150
13C8 FOSA	125		10 - 150
d3-NMeFOSAA	122		25 - 150
d5-NEtFOSAA	130		25 - 150
d-N-MeFOSA-M	96		10 - 150
d-N-EtFOSA-M	96		10 - 150
d7-N-MeFOSE-M	118		10 - 150
d9-N-EtFOSE-M	110		10 - 150
M2-4:2 FTS	100		25 - 150
M2-6:2 FTS	88		25 - 150
M2-8:2 FTS	94		25 - 150
13C3 HFPO-DA	100		25 - 150

Lab Sample ID: 500-237064-23 MS
Matrix: Water
Analysis Batch: 695039

Client Sample ID: MW-12
Prep Type: Total/NA
Prep Batch: 693847

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	10000	F2	2000	12700	4	ng/L		118	70 - 130
Perfluoropentanoic acid (PFPeA)	<120		2000	1690		ng/L		84	70 - 130
Perfluorohexanoic acid (PFHxA)	<150	F1	2000	2770	F1	ng/L		138	70 - 130
Perfluoroheptanoic acid (PFHpA)	290	J	2000	2010		ng/L		86	70 - 130
Perfluorooctanoic acid (PFOA)	8400		2000	9970	4	ng/L		79	70 - 130
Perfluorononanoic acid (PFNA)	<68		2000	2050		ng/L		103	70 - 130
Perfluorodecanoic acid (PFDA)	<78		2000	2040		ng/L		102	70 - 130
Perfluoroundecanoic acid (PFUnA)	<280		2000	2070		ng/L		104	70 - 130

Eurofins Chicago

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 500-237064-23 MS

Matrix: Water

Analysis Batch: 695039

Client Sample ID: MW-12

Prep Type: Total/NA

Prep Batch: 693847

Analyte	Sample	Sample Qualifier	Spike Added	MS	MS	Unit	D	%Rec	%Rec Limits
	Result			Result	Qualifier				
Perfluorododecanoic acid (PFDoA)	<140		2000	2110		ng/L		106	70 - 130
Perfluorotridecanoic acid (PFTriA)	<330		2000	1720		ng/L		86	70 - 130
Perfluorotetradecanoic acid (PFTeA)	<180		2000	1940		ng/L		97	70 - 130
Perfluorobutanesulfonic acid (PFBS)	<50	F1	1780	5310	I F1	ng/L		299	70 - 130
Perfluoropentanesulfonic acid (PFPeS)	<75		1880	2210		ng/L		117	70 - 130
Perfluorohexanesulfonic acid (PFHxS)	<140		1820	1680		ng/L		92	70 - 130
Perfluoroheptanesulfonic acid (PFHpS)	<48		1910	1780		ng/L		93	70 - 130
Perfluorooctanesulfonic acid (PFOS)	<140		1860	1920		ng/L		103	70 - 130
Perfluorononanesulfonic acid (PFNS)	<93		1920	2210		ng/L		115	70 - 130
Perfluorodecanesulfonic acid (PFDS)	<80		1930	1970		ng/L		102	70 - 130
Perfluorododecanesulfonic acid (PFDoS)	<240	F1	1940	1130	F1	ng/L		58	70 - 130
Perfluorooctanesulfonamide (FOSA)	<250		2000	1900		ng/L		95	70 - 130
NEtFOSA	<220		2000	2220		ng/L		111	70 - 130
NMeFOSA	<110		2000	2150		ng/L		107	70 - 130
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<300		2000	1820		ng/L		91	70 - 130
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<330		2000	1950		ng/L		97	70 - 130
NMeFOSE	<350		2000	1810		ng/L		91	70 - 130
NEtFOSE	<210		2000	1990		ng/L		99	70 - 130
4:2 FTS	<60		1880	1990	I	ng/L		106	70 - 130
6:2 FTS	<630		1900	2170		ng/L		114	70 - 130
8:2 FTS	<120		1920	1860		ng/L		97	70 - 130
DONA	<100		1890	1520		ng/L		80	70 - 130
HFPO-DA (GenX)	<380		2000	1920		ng/L		96	70 - 130
F-53B Major	<60		1870	1980		ng/L		106	70 - 130
F-53B Minor	<80		1890	1710		ng/L		91	70 - 130
MS MS									
Isotope Dilution	%Recovery	Qualifier	Limits						
13C4 PFBA	33		25 - 150						
13C5 PFPeA	69		25 - 150						
13C2 PFHxA	90		25 - 150						
13C4 PFHpA	102		25 - 150						
13C4 PFOA	113		25 - 150						
13C5 PFNA	121		25 - 150						
13C2 PFDA	135		25 - 150						
13C2 PFUnA	127		25 - 150						
13C2 PFDoA	107		25 - 150						
13C2 PFTeDA	64		25 - 150						
13C3 PFBS	98		25 - 150						

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 500-237064-23 MS
Matrix: Water
Analysis Batch: 695039

Client Sample ID: MW-12
Prep Type: Total/NA
Prep Batch: 693847

<i>Isotope Dilution</i>	<i>MS MS</i>		<i>Limits</i>
	<i>%Recovery</i>	<i>Qualifier</i>	
18O2 PFHxS	116		25 - 150
13C4 PFOS	114		25 - 150
13C8 FOSA	122		10 - 150
d3-NMeFOSAA	115		25 - 150
d5-NEtFOSAA	122		25 - 150
d-N-MeFOSA-M	89		10 - 150
d-N-EtFOSA-M	76		10 - 150
d7-N-MeFOSE-M	83		10 - 150
d9-N-EtFOSE-M	68		10 - 150
M2-4:2 FTS	125		25 - 150
M2-6:2 FTS	138		25 - 150
M2-8:2 FTS	171	*5+	25 - 150
13C3 HFPO-DA	105		25 - 150

Lab Sample ID: 500-237064-23 MSD
Matrix: Water
Analysis Batch: 695039

Client Sample ID: MW-12
Prep Type: Total/NA
Prep Batch: 693847

<i>Analyte</i>	<i>Sample Result</i>	<i>Sample Qualifier</i>	<i>Spike Added</i>	<i>MSD MSD</i>		<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>%Rec</i>		<i>RPD</i>	
				<i>Result</i>	<i>Qualifier</i>				<i>Limits</i>	<i>RPD</i>	<i>Limit</i>	
Perfluorobutanoic acid (PFBA)	10000	F2	2000	28300	4 F2	ng/L		899	70 - 130	76	30	
Perfluoropentanoic acid (PFPeA)	<120		2000	1830		ng/L		91	70 - 130	8	30	
Perfluorohexanoic acid (PFHxA)	<150	F1	2000	3520	F1	ng/L		176	70 - 130	24	30	
Perfluoroheptanoic acid (PFHpA)	290	J	2000	2000		ng/L		86	70 - 130	0	30	
Perfluorooctanoic acid (PFOA)	8400		2000	12600	4	ng/L		212	70 - 130	24	30	
Perfluorononanoic acid (PFNA)	<68		2000	2130		ng/L		106	70 - 130	4	30	
Perfluorodecanoic acid (PFDA)	<78		2000	2050		ng/L		102	70 - 130	0	30	
Perfluoroundecanoic acid (PFUnA)	<280		2000	2070		ng/L		104	70 - 130	0	30	
Perfluorododecanoic acid (PFDoA)	<140		2000	2040		ng/L		102	70 - 130	4	30	
Perfluorotridecanoic acid (PFTriA)	<330		2000	1510		ng/L		76	70 - 130	13	30	
Perfluorotetradecanoic acid (PFTeA)	<180		2000	2040		ng/L		102	70 - 130	5	30	
Perfluorobutanesulfonic acid (PFBS)	<50	F1	1780	6480	I F1	ng/L		365	70 - 130	20	30	
Perfluoropentanesulfonic acid (PFPeS)	<75		1880	2200		ng/L		117	70 - 130	0	30	
Perfluorohexanesulfonic acid (PFHxS)	<140		1820	1740		ng/L		96	70 - 130	4	30	
Perfluoroheptanesulfonic acid (PFHpS)	<48		1910	1890		ng/L		99	70 - 130	6	30	
Perfluorooctanesulfonic acid (PFOS)	<140		1860	1940		ng/L		104	70 - 130	1	30	
Perfluorononanesulfonic acid (PFNS)	<93		1920	2060		ng/L		107	70 - 130	7	30	
Perfluorodecanesulfonic acid (PFDS)	<80		1930	1800		ng/L		93	70 - 130	9	30	
Perfluorododecanesulfonic acid (PFDoS)	<240	F1	1940	1080	F1	ng/L		55	70 - 130	5	30	
Perfluorooctanesulfonamide (FOSA)	<250		2000	1810		ng/L		91	70 - 130	5	30	

Eurofins Chicago

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 500-237064-23 MSD
Matrix: Water
Analysis Batch: 695039

Client Sample ID: MW-12
Prep Type: Total/NA
Prep Batch: 693847

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
NEtFOSA	<220		2000	1990		ng/L		99	70 - 130	11	30
NMeFOSA	<110		2000	2450		ng/L		122	70 - 130	13	30
N-methylperfluorooctanesulfona midoacetic acid (NMeFOSAA)	<300		2000	2090		ng/L		105	70 - 130	14	30
N-ethylperfluorooctanesulfonami doacetic acid (NEtFOSAA)	<330		2000	2040		ng/L		102	70 - 130	5	30
NMeFOSE	<350		2000	1860		ng/L		93	70 - 130	3	30
NEtFOSE	<210		2000	1890		ng/L		95	70 - 130	5	30
4:2 FTS	<60		1880	2370	I	ng/L		126	70 - 130	17	30
6:2 FTS	<630		1900	2010		ng/L		106	70 - 130	7	30
8:2 FTS	<120		1920	1710		ng/L		89	70 - 130	8	30
DONA	<100		1890	1480		ng/L		78	70 - 130	2	30
HFPO-DA (GenX)	<380		2000	2400		ng/L		120	70 - 130	22	30
F-53B Major	<60		1870	1970		ng/L		105	70 - 130	1	30
F-53B Minor	<80		1890	1620		ng/L		86	70 - 130	6	30

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
13C4 PFBA	23	*5-	25 - 150
13C5 PFPeA	63		25 - 150
13C2 PFHxA	88		25 - 150
13C4 PFHpA	103		25 - 150
13C4 PFOA	108		25 - 150
13C5 PFNA	127		25 - 150
13C2 PFDA	137		25 - 150
13C2 PFUnA	133		25 - 150
13C2 PFDoA	112		25 - 150
13C2 PFTeDA	60		25 - 150
13C3 PFBS	99		25 - 150
18O2 PFHxS	117		25 - 150
13C4 PFOS	122		25 - 150
13C8 FOSA	131		10 - 150
d3-NMeFOSAA	114		25 - 150
d5-NEtFOSAA	121		25 - 150
d-N-MeFOSA-M	95		10 - 150
d-N-EtFOSA-M	85		10 - 150
d7-N-MeFOSE-M	91		10 - 150
d9-N-EtFOSE-M	71		10 - 150
M2-4:2 FTS	118		25 - 150
M2-6:2 FTS	153	*5+	25 - 150
M2-8:2 FTS	183	*5+	25 - 150
13C3 HFPO-DA	89		25 - 150

Lab Sample ID: MB 320-693849/1-A
Matrix: Water
Analysis Batch: 694223

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 693849

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.4		5.0	2.4	ng/L		07/26/23 05:35	07/28/23 00:27	1
Perfluoropentanoic acid (PFPeA)	<0.49		2.0	0.49	ng/L		07/26/23 05:35	07/28/23 00:27	1

Euofins Chicago

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: MB 320-693849/1-A
Matrix: Water
Analysis Batch: 694223

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 693849

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Perfluorohexanoic acid (PFHxA)	<0.58		2.0	0.58	ng/L		07/26/23 05:35	07/28/23 00:27	1
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		07/26/23 05:35	07/28/23 00:27	1
Perfluorooctanoic acid (PFOA)	<0.85		2.0	0.85	ng/L		07/26/23 05:35	07/28/23 00:27	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		07/26/23 05:35	07/28/23 00:27	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		07/26/23 05:35	07/28/23 00:27	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		07/26/23 05:35	07/28/23 00:27	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		07/26/23 05:35	07/28/23 00:27	1
Perfluorotridecanoic acid (PFTriA)	<1.3		2.0	1.3	ng/L		07/26/23 05:35	07/28/23 00:27	1
Perfluorotetradecanoic acid (PFTeA)	<0.73		2.0	0.73	ng/L		07/26/23 05:35	07/28/23 00:27	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		07/26/23 05:35	07/28/23 00:27	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		07/26/23 05:35	07/28/23 00:27	1
Perfluorohexanesulfonic acid (PFHxS)	<0.57		2.0	0.57	ng/L		07/26/23 05:35	07/28/23 00:27	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		07/26/23 05:35	07/28/23 00:27	1
Perfluorooctanesulfonic acid (PFOS)	<0.54		2.0	0.54	ng/L		07/26/23 05:35	07/28/23 00:27	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		07/26/23 05:35	07/28/23 00:27	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		07/26/23 05:35	07/28/23 00:27	1
Perfluorododecanesulfonic acid (PFDoS)	<0.97		2.0	0.97	ng/L		07/26/23 05:35	07/28/23 00:27	1
Perfluorooctanesulfonamide (FOSA)	<0.98		2.0	0.98	ng/L		07/26/23 05:35	07/28/23 00:27	1
NEtFOSA	<0.87		2.0	0.87	ng/L		07/26/23 05:35	07/28/23 00:27	1
NMeFOSA	<0.43		2.0	0.43	ng/L		07/26/23 05:35	07/28/23 00:27	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<1.2		5.0	1.2	ng/L		07/26/23 05:35	07/28/23 00:27	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<1.3		5.0	1.3	ng/L		07/26/23 05:35	07/28/23 00:27	1
NMeFOSE	<1.4		4.0	1.4	ng/L		07/26/23 05:35	07/28/23 00:27	1
NEtFOSE	<0.85		2.0	0.85	ng/L		07/26/23 05:35	07/28/23 00:27	1
4:2 FTS	<0.24		2.0	0.24	ng/L		07/26/23 05:35	07/28/23 00:27	1
6:2 FTS	<2.5		5.0	2.5	ng/L		07/26/23 05:35	07/28/23 00:27	1
8:2 FTS	<0.46		2.0	0.46	ng/L		07/26/23 05:35	07/28/23 00:27	1
DONA	<0.40		2.0	0.40	ng/L		07/26/23 05:35	07/28/23 00:27	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		07/26/23 05:35	07/28/23 00:27	1
F-53B Major	<0.24		2.0	0.24	ng/L		07/26/23 05:35	07/28/23 00:27	1
F-53B Minor	<0.32		2.0	0.32	ng/L		07/26/23 05:35	07/28/23 00:27	1

Isotope Dilution	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
13C4 PFBA	106		25 - 150	07/26/23 05:35	07/28/23 00:27	1
13C5 PFPeA	108		25 - 150	07/26/23 05:35	07/28/23 00:27	1
13C2 PFHxA	105		25 - 150	07/26/23 05:35	07/28/23 00:27	1
13C4 PFHpA	105		25 - 150	07/26/23 05:35	07/28/23 00:27	1
13C4 PFOA	111		25 - 150	07/26/23 05:35	07/28/23 00:27	1
13C5 PFNA	112		25 - 150	07/26/23 05:35	07/28/23 00:27	1
13C2 PFDA	118		25 - 150	07/26/23 05:35	07/28/23 00:27	1
13C2 PFUnA	121		25 - 150	07/26/23 05:35	07/28/23 00:27	1
13C2 PFDoA	117		25 - 150	07/26/23 05:35	07/28/23 00:27	1
13C2 PFTeDA	118		25 - 150	07/26/23 05:35	07/28/23 00:27	1
13C3 PFBS	112		25 - 150	07/26/23 05:35	07/28/23 00:27	1
18O2 PFHxS	111		25 - 150	07/26/23 05:35	07/28/23 00:27	1

Eurofins Chicago

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: MB 320-693849/1-A
Matrix: Water
Analysis Batch: 694223

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 693849

Isotope Dilution	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
13C4 PFOS	117		25 - 150	07/26/23 05:35	07/28/23 00:27	1
13C8 FOSA	136		10 - 150	07/26/23 05:35	07/28/23 00:27	1
d3-NMeFOSAA	139		25 - 150	07/26/23 05:35	07/28/23 00:27	1
d5-NEtFOSAA	142		25 - 150	07/26/23 05:35	07/28/23 00:27	1
d-N-MeFOSA-M	110		10 - 150	07/26/23 05:35	07/28/23 00:27	1
d-N-EtFOSA-M	108		10 - 150	07/26/23 05:35	07/28/23 00:27	1
d7-N-MeFOSE-M	132		10 - 150	07/26/23 05:35	07/28/23 00:27	1
d9-N-EtFOSE-M	125		10 - 150	07/26/23 05:35	07/28/23 00:27	1
M2-4:2 FTS	96		25 - 150	07/26/23 05:35	07/28/23 00:27	1
M2-6:2 FTS	95		25 - 150	07/26/23 05:35	07/28/23 00:27	1
M2-8:2 FTS	96		25 - 150	07/26/23 05:35	07/28/23 00:27	1
13C3 HFPO-DA	106		25 - 150	07/26/23 05:35	07/28/23 00:27	1

Lab Sample ID: LCS 320-693849/2-A
Matrix: Water
Analysis Batch: 694223

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 693849

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec
							Limits
Perfluorobutanoic acid (PFBA)	40.0	41.7		ng/L		104	60 - 135
Perfluoropentanoic acid (PFPeA)	40.0	41.7		ng/L		104	60 - 135
Perfluorohexanoic acid (PFHxA)	40.0	42.3		ng/L		106	60 - 135
Perfluoroheptanoic acid (PFHpA)	40.0	40.8		ng/L		102	60 - 135
Perfluorooctanoic acid (PFOA)	40.0	38.8		ng/L		97	60 - 135
Perfluorononanoic acid (PFNA)	40.0	45.1		ng/L		113	60 - 135
Perfluorodecanoic acid (PFDA)	40.0	41.6		ng/L		104	60 - 135
Perfluoroundecanoic acid (PFUnA)	40.0	40.4		ng/L		101	60 - 135
Perfluorododecanoic acid (PFDoA)	40.0	44.5		ng/L		111	60 - 135
Perfluorotridecanoic acid (PFTriA)	40.0	41.9		ng/L		105	60 - 135
Perfluorotetradecanoic acid (PFTeA)	40.0	40.1		ng/L		100	60 - 135
Perfluorobutanesulfonic acid (PFBS)	35.5	36.1		ng/L		102	60 - 135
Perfluoropentanesulfonic acid (PFPeS)	37.6	37.9		ng/L		101	60 - 135
Perfluorohexanesulfonic acid (PFHxS)	36.5	33.5		ng/L		92	60 - 135
Perfluoroheptanesulfonic acid (PFHpS)	38.2	38.7		ng/L		101	60 - 135
Perfluorooctanesulfonic acid (PFOS)	37.2	39.4		ng/L		106	60 - 135
Perfluorononanesulfonic acid (PFNS)	38.5	40.0		ng/L		104	60 - 135
Perfluorodecanesulfonic acid (PFDS)	38.6	41.8		ng/L		108	60 - 135
Perfluorododecanesulfonic acid (PFDoS)	38.8	36.6		ng/L		94	60 - 135
Perfluorooctanesulfonamide (FOSA)	40.0	38.2		ng/L		96	60 - 135
NEtFOSA	40.0	39.2		ng/L		98	60 - 135

Eurofins Chicago

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-693849/2-A
Matrix: Water
Analysis Batch: 694223

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 693849

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
NMeFOSA	40.0	40.6		ng/L		102	60 - 135
N-methylperfluorooctanesulfona midoacetic acid (NMeFOSAA)	40.0	39.9		ng/L		100	60 - 135
N-ethylperfluorooctanesulfonami doacetic acid (NEtFOSAA)	40.0	39.3		ng/L		98	60 - 135
NMeFOSE	40.0	40.2		ng/L		100	60 - 135
NEtFOSE	40.0	40.4		ng/L		101	60 - 135
4:2 FTS	37.5	38.0		ng/L		101	60 - 135
6:2 FTS	38.1	36.9		ng/L		97	60 - 135
8:2 FTS	38.4	37.4		ng/L		97	60 - 135
DONA	37.8	41.1		ng/L		109	60 - 135
HFPO-DA (GenX)	40.0	42.5		ng/L		106	60 - 135
F-53B Major	37.4	37.1		ng/L		99	60 - 135
F-53B Minor	37.8	38.5		ng/L		102	60 - 135

Isotope Dilution	LCS LCS		Limits
	%Recovery	Qualifier	
13C4 PFBA	108		25 - 150
13C5 PFPeA	107		25 - 150
13C2 PFHxA	103		25 - 150
13C4 PFHpA	107		25 - 150
13C4 PFOA	108		25 - 150
13C5 PFNA	106		25 - 150
13C2 PFDA	110		25 - 150
13C2 PFUnA	115		25 - 150
13C2 PFDoA	114		25 - 150
13C2 PFTeDA	115		25 - 150
13C3 PFBS	109		25 - 150
18O2 PFHxS	110		25 - 150
13C4 PFOS	110		25 - 150
13C8 FOSA	128		10 - 150
d3-NMeFOSAA	130		25 - 150
d5-NEtFOSAA	127		25 - 150
d-N-MeFOSA-M	110		10 - 150
d-N-EtFOSA-M	104		10 - 150
d7-N-MeFOSE-M	128		10 - 150
d9-N-EtFOSE-M	121		10 - 150
M2-4:2 FTS	93		25 - 150
M2-6:2 FTS	91		25 - 150
M2-8:2 FTS	92		25 - 150
13C3 HFPO-DA	103		25 - 150

Lab Sample ID: 500-237064-40 MS
Matrix: Water
Analysis Batch: 694223

Client Sample ID: MW-226
Prep Type: Total/NA
Prep Batch: 693849

Analyte	Sample Result	Sample Qualifier	Spike Added	MS MS		Unit	D	%Rec	%Rec Limits
				Result	Qualifier				
Perfluorobutanoic acid (PFBA)	14	J	200	229		ng/L		108	70 - 130
Perfluoropentanoic acid (PFPeA)	8.2	J	200	207		ng/L		100	70 - 130
Perfluorohexanoic acid (PFHxA)	13		200	222		ng/L		105	70 - 130

Eurofins Chicago

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 500-237064-40 MS

Matrix: Water

Analysis Batch: 694223

Client Sample ID: MW-226

Prep Type: Total/NA

Prep Batch: 693849

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec Limits
	Result	Qualifier	Added	Result	Qualifier				
Perfluoroheptanoic acid (PFHpA)	13		200	225		ng/L		106	70 - 130
Perfluorooctanoic acid (PFOA)	210		200	402		ng/L		95	70 - 130
Perfluorononanoic acid (PFNA)	<1.4		200	221		ng/L		111	70 - 130
Perfluorodecanoic acid (PFDA)	<1.6		200	208		ng/L		104	70 - 130
Perfluoroundecanoic acid (PFUnA)	<5.5		200	208		ng/L		104	70 - 130
Perfluorododecanoic acid (PFDoA)	<2.8		200	220		ng/L		110	70 - 130
Perfluorotridecanoic acid (PFTriA)	<6.5		200	212		ng/L		106	70 - 130
Perfluorotetradecanoic acid (PFTeA)	<3.7		200	208		ng/L		104	70 - 130
Perfluorobutanesulfonic acid (PFBS)	2.0	J	178	186		ng/L		104	70 - 130
Perfluoropentanesulfonic acid (PFPeS)	<1.5		188	188		ng/L		100	70 - 130
Perfluorohexanesulfonic acid (PFHxS)	<2.9		182	176		ng/L		96	70 - 130
Perfluoroheptanesulfonic acid (PFHpS)	<0.95		191	188		ng/L		99	70 - 130
Perfluorooctanesulfonic acid (PFOS)	<2.7		186	192		ng/L		103	70 - 130
Perfluorononanesulfonic acid (PFNS)	<1.9		192	194		ng/L		101	70 - 130
Perfluorodecanesulfonic acid (PFDS)	<1.6		193	204		ng/L		106	70 - 130
Perfluorododecanesulfonic acid (PFDoS)	<4.9		194	176		ng/L		91	70 - 130
Perfluorooctanesulfonamide (FOSA)	<4.9		200	191		ng/L		95	70 - 130
NEtFOSA	<4.4		200	208		ng/L		104	70 - 130
NMeFOSA	<2.2		200	216		ng/L		108	70 - 130
N-methylperfluorooctanesulfonamide acetic acid (NMeFOSAA)	<6.0		200	192		ng/L		96	70 - 130
N-ethylperfluorooctanesulfonamide acetic acid (NEtFOSAA)	<6.5		200	193		ng/L		96	70 - 130
NMeFOSE	<7.0		200	200		ng/L		100	70 - 130
NEtFOSE	<4.3		200	193		ng/L		97	70 - 130
4:2 FTS	<1.2		188	184		ng/L		98	70 - 130
6:2 FTS	<13		190	181		ng/L		95	70 - 130
8:2 FTS	<2.3		192	194		ng/L		101	70 - 130
DONA	<2.0		189	191		ng/L		101	70 - 130
HFPO-DA (GenX)	<7.5		200	210		ng/L		105	70 - 130
F-53B Major	<1.2		187	169		ng/L		90	70 - 130
F-53B Minor	<1.6		189	181		ng/L		96	70 - 130
	MS MS								
Isotope Dilution	%Recovery	Qualifier	Limits						
13C4 PFBA	103		25 - 150						
13C5 PFPeA	110		25 - 150						
13C2 PFHxA	104		25 - 150						
13C4 PFHpA	105		25 - 150						
13C4 PFOA	108		25 - 150						

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 500-237064-40 MS
Matrix: Water
Analysis Batch: 694223

Client Sample ID: MW-226
Prep Type: Total/NA
Prep Batch: 693849

<i>Isotope Dilution</i>	<i>MS</i>	<i>MS</i>	<i>Limits</i>
<i>%Recovery</i>	<i>Qualifier</i>		
13C5 PFNA	108		25 - 150
13C2 PFDA	108		25 - 150
13C2 PFUnA	111		25 - 150
13C2 PFDoA	109		25 - 150
13C2 PFTeDA	113		25 - 150
13C3 PFBS	116		25 - 150
18O2 PFHxS	114		25 - 150
13C4 PFOS	119		25 - 150
13C8 FOSA	133		10 - 150
d3-NMeFOSAA	121		25 - 150
d5-NEtFOSAA	126		25 - 150
d-N-MeFOSA-M	96		10 - 150
d-N-EtFOSA-M	95		10 - 150
d7-N-MeFOSE-M	118		10 - 150
d9-N-EtFOSE-M	115		10 - 150
M2-4:2 FTS	93		25 - 150
M2-6:2 FTS	89		25 - 150
M2-8:2 FTS	87		25 - 150
13C3 HFPO-DA	101		25 - 150

Lab Sample ID: 500-237064-40 MSD
Matrix: Water
Analysis Batch: 694223

Client Sample ID: MW-226
Prep Type: Total/NA
Prep Batch: 693849

<i>Analyte</i>	<i>Sample</i>	<i>Sample</i>	<i>Spike</i>	<i>MSD</i>	<i>MSD</i>	<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>%Rec</i>	<i>RPD</i>	<i>RPD</i>
<i>Result</i>	<i>Qualifier</i>	<i>Added</i>	<i>Result</i>	<i>Qualifier</i>				<i>Limits</i>	<i>RPD</i>	<i>Limit</i>	
Perfluorobutanoic acid (PFBA)	14	J	200	238		ng/L		112	70 - 130	4	30
Perfluoropentanoic acid (PFPeA)	8.2	J	200	209		ng/L		100	70 - 130	1	30
Perfluorohexanoic acid (PFHxA)	13		200	223		ng/L		105	70 - 130	0	30
Perfluoroheptanoic acid (PFHpA)	13		200	229		ng/L		108	70 - 130	2	30
Perfluorooctanoic acid (PFOA)	210		200	396		ng/L		92	70 - 130	2	30
Perfluorononanoic acid (PFNA)	<1.4		200	229		ng/L		114	70 - 130	3	30
Perfluorodecanoic acid (PFDA)	<1.6		200	212		ng/L		106	70 - 130	2	30
Perfluoroundecanoic acid (PFUnA)	<5.5		200	212		ng/L		106	70 - 130	2	30
Perfluorododecanoic acid (PFDoA)	<2.8		200	222		ng/L		111	70 - 130	1	30
Perfluorotridecanoic acid (PFTriA)	<6.5		200	214		ng/L		107	70 - 130	1	30
Perfluorotetradecanoic acid (PFTeA)	<3.7		200	205		ng/L		103	70 - 130	2	30
Perfluorobutanesulfonic acid (PFBS)	2.0	J	178	192		ng/L		107	70 - 130	3	30
Perfluoropentanesulfonic acid (PFPeS)	<1.5		188	196		ng/L		104	70 - 130	4	30
Perfluorohexanesulfonic acid (PFHxS)	<2.9		182	174		ng/L		95	70 - 130	1	30
Perfluoroheptanesulfonic acid (PFHpS)	<0.95		191	200		ng/L		105	70 - 130	6	30
Perfluorooctanesulfonic acid (PFOS)	<2.7		186	199		ng/L		107	70 - 130	4	30

Eurofins Chicago

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 500-237064-40 MSD
Matrix: Water
Analysis Batch: 694223

Client Sample ID: MW-226
Prep Type: Total/NA
Prep Batch: 693849

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorononanesulfonic acid (PFNS)	<1.9		192	201		ng/L		105	70 - 130	4	30
Perfluorodecanesulfonic acid (PFDS)	<1.6		193	208		ng/L		108	70 - 130	2	30
Perfluorododecanesulfonic acid (PFDoS)	<4.9		194	173		ng/L		89	70 - 130	2	30
Perfluorooctanesulfonamide (FOSA)	<4.9		200	211		ng/L		105	70 - 130	10	30
NEtFOSA	<4.4		200	200		ng/L		100	70 - 130	4	30
NMeFOSA	<2.2		200	217		ng/L		109	70 - 130	0	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<6.0		200	199		ng/L		99	70 - 130	4	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<6.5		200	193		ng/L		96	70 - 130	0	30
NMeFOSE	<7.0		200	206		ng/L		103	70 - 130	3	30
NEtFOSE	<4.3		200	188		ng/L		94	70 - 130	3	30
4:2 FTS	<1.2		188	200		ng/L		106	70 - 130	8	30
6:2 FTS	<13		190	190		ng/L		100	70 - 130	5	30
8:2 FTS	<2.3		192	189		ng/L		99	70 - 130	2	30
DONA	<2.0		189	201		ng/L		106	70 - 130	5	30
HFPO-DA (GenX)	<7.5		200	214		ng/L		107	70 - 130	2	30
F-53B Major	<1.2		187	175		ng/L		94	70 - 130	4	30
F-53B Minor	<1.6		189	178		ng/L		94	70 - 130	1	30

Isotope Dilution	MSD MSD		Limits
	%Recovery	Qualifier	
13C4 PFBA	98		25 - 150
13C5 PFPeA	107		25 - 150
13C2 PFHxA	102		25 - 150
13C4 PFHpA	102		25 - 150
13C4 PFOA	107		25 - 150
13C5 PFNA	105		25 - 150
13C2 PFDA	107		25 - 150
13C2 PFUnA	107		25 - 150
13C2 PFDoA	103		25 - 150
13C2 PFTeDA	106		25 - 150
13C3 PFBS	110		25 - 150
18O2 PFHxS	112		25 - 150
13C4 PFOS	112		25 - 150
13C8 FOSA	128		10 - 150
d3-NMeFOSAA	113		25 - 150
d5-NEtFOSAA	120		25 - 150
d-N-MeFOSA-M	91		10 - 150
d-N-EtFOSA-M	89		10 - 150
d7-N-MeFOSE-M	107		10 - 150
d9-N-EtFOSE-M	104		10 - 150
M2-4:2 FTS	88		25 - 150
M2-6:2 FTS	85		25 - 150
M2-8:2 FTS	83		25 - 150
13C3 HFPO-DA	99		25 - 150

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: MB 320-694112/1-A
Matrix: Water
Analysis Batch: 694464

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 694112

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Perfluorobutanoic acid (PFBA)	<2.4		5.0	2.4	ng/L		07/26/23 20:59	07/28/23 04:16	1
Perfluoropentanoic acid (PFPeA)	<0.49		2.0	0.49	ng/L		07/26/23 20:59	07/28/23 04:16	1
Perfluorohexanoic acid (PFHxA)	<0.58		2.0	0.58	ng/L		07/26/23 20:59	07/28/23 04:16	1
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		07/26/23 20:59	07/28/23 04:16	1
Perfluorooctanoic acid (PFOA)	<0.85		2.0	0.85	ng/L		07/26/23 20:59	07/28/23 04:16	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		07/26/23 20:59	07/28/23 04:16	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		07/26/23 20:59	07/28/23 04:16	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		07/26/23 20:59	07/28/23 04:16	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		07/26/23 20:59	07/28/23 04:16	1
Perfluorotridecanoic acid (PFTriA)	<1.3		2.0	1.3	ng/L		07/26/23 20:59	07/28/23 04:16	1
Perfluorotetradecanoic acid (PFTeA)	<0.73		2.0	0.73	ng/L		07/26/23 20:59	07/28/23 04:16	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		07/26/23 20:59	07/28/23 04:16	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		07/26/23 20:59	07/28/23 04:16	1
Perfluorohexanesulfonic acid (PFHxS)	<0.57		2.0	0.57	ng/L		07/26/23 20:59	07/28/23 04:16	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		07/26/23 20:59	07/28/23 04:16	1
Perfluorooctanesulfonic acid (PFOS)	<0.54		2.0	0.54	ng/L		07/26/23 20:59	07/28/23 04:16	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		07/26/23 20:59	07/28/23 04:16	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		07/26/23 20:59	07/28/23 04:16	1
Perfluorododecanesulfonic acid (PFDoS)	<0.97		2.0	0.97	ng/L		07/26/23 20:59	07/28/23 04:16	1
Perfluorooctanesulfonamide (FOSA)	<0.98		2.0	0.98	ng/L		07/26/23 20:59	07/28/23 04:16	1
NEtFOSA	<0.87		2.0	0.87	ng/L		07/26/23 20:59	07/28/23 04:16	1
NMeFOSA	<0.43		2.0	0.43	ng/L		07/26/23 20:59	07/28/23 04:16	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<1.2		5.0	1.2	ng/L		07/26/23 20:59	07/28/23 04:16	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<1.3		5.0	1.3	ng/L		07/26/23 20:59	07/28/23 04:16	1
NMeFOSE	<1.4		4.0	1.4	ng/L		07/26/23 20:59	07/28/23 04:16	1
NEtFOSE	<0.85		2.0	0.85	ng/L		07/26/23 20:59	07/28/23 04:16	1
4:2 FTS	<0.24		2.0	0.24	ng/L		07/26/23 20:59	07/28/23 04:16	1
6:2 FTS	<2.5		5.0	2.5	ng/L		07/26/23 20:59	07/28/23 04:16	1
8:2 FTS	<0.46		2.0	0.46	ng/L		07/26/23 20:59	07/28/23 04:16	1
DONA	<0.40		2.0	0.40	ng/L		07/26/23 20:59	07/28/23 04:16	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		07/26/23 20:59	07/28/23 04:16	1
F-53B Major	<0.24		2.0	0.24	ng/L		07/26/23 20:59	07/28/23 04:16	1
F-53B Minor	<0.32		2.0	0.32	ng/L		07/26/23 20:59	07/28/23 04:16	1

Isotope Dilution	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
13C4 PFBA	110		25 - 150	07/26/23 20:59	07/28/23 04:16	1
13C5 PFPeA	113		25 - 150	07/26/23 20:59	07/28/23 04:16	1
13C2 PFHxA	122		25 - 150	07/26/23 20:59	07/28/23 04:16	1
13C4 PFHpA	120		25 - 150	07/26/23 20:59	07/28/23 04:16	1
13C4 PFOA	114		25 - 150	07/26/23 20:59	07/28/23 04:16	1
13C5 PFNA	120		25 - 150	07/26/23 20:59	07/28/23 04:16	1
13C2 PFDA	124		25 - 150	07/26/23 20:59	07/28/23 04:16	1
13C2 PFUnA	116		25 - 150	07/26/23 20:59	07/28/23 04:16	1
13C2 PFDoA	111		25 - 150	07/26/23 20:59	07/28/23 04:16	1
13C2 PFTeDA	103		25 - 150	07/26/23 20:59	07/28/23 04:16	1

Eurofins Chicago

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: MB 320-694112/1-A
Matrix: Water
Analysis Batch: 694464

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 694112

Isotope Dilution	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
13C3 PFBS	114		25 - 150	07/26/23 20:59	07/28/23 04:16	1
18O2 PFHxS	118		25 - 150	07/26/23 20:59	07/28/23 04:16	1
13C4 PFOS	112		25 - 150	07/26/23 20:59	07/28/23 04:16	1
13C8 FOSA	115		10 - 150	07/26/23 20:59	07/28/23 04:16	1
d3-NMeFOSAA	126		25 - 150	07/26/23 20:59	07/28/23 04:16	1
d5-NEtFOSAA	123		25 - 150	07/26/23 20:59	07/28/23 04:16	1
d-N-MeFOSA-M	90		10 - 150	07/26/23 20:59	07/28/23 04:16	1
d-N-EtFOSA-M	92		10 - 150	07/26/23 20:59	07/28/23 04:16	1
d7-N-MeFOSE-M	104		10 - 150	07/26/23 20:59	07/28/23 04:16	1
d9-N-EtFOSE-M	102		10 - 150	07/26/23 20:59	07/28/23 04:16	1
M2-4:2 FTS	113		25 - 150	07/26/23 20:59	07/28/23 04:16	1
M2-6:2 FTS	122		25 - 150	07/26/23 20:59	07/28/23 04:16	1
M2-8:2 FTS	123		25 - 150	07/26/23 20:59	07/28/23 04:16	1
13C3 HFPO-DA	106		25 - 150	07/26/23 20:59	07/28/23 04:16	1

Lab Sample ID: LCS 320-694112/2-A
Matrix: Water
Analysis Batch: 694464

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 694112

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec
							Limits
Perfluorobutanoic acid (PFBA)	40.0	39.2		ng/L		98	60 - 135
Perfluoropentanoic acid (PFPeA)	40.0	37.1		ng/L		93	60 - 135
Perfluorohexanoic acid (PFHxA)	40.0	36.4		ng/L		91	60 - 135
Perfluoroheptanoic acid (PFHpA)	40.0	34.4		ng/L		86	60 - 135
Perfluorooctanoic acid (PFOA)	40.0	35.6		ng/L		89	60 - 135
Perfluorononanoic acid (PFNA)	40.0	40.3		ng/L		101	60 - 135
Perfluorodecanoic acid (PFDA)	40.0	37.2		ng/L		93	60 - 135
Perfluoroundecanoic acid (PFUnA)	40.0	37.0		ng/L		93	60 - 135
Perfluorododecanoic acid (PFDoA)	40.0	39.2		ng/L		98	60 - 135
Perfluorotridecanoic acid (PFTriA)	40.0	36.8		ng/L		92	60 - 135
Perfluorotetradecanoic acid (PFTeA)	40.0	36.8		ng/L		92	60 - 135
Perfluorobutanesulfonic acid (PFBS)	35.5	32.1		ng/L		90	60 - 135
Perfluoropentanesulfonic acid (PFPeS)	37.6	35.5		ng/L		95	60 - 135
Perfluorohexanesulfonic acid (PFHxS)	36.5	32.9		ng/L		90	60 - 135
Perfluoroheptanesulfonic acid (PFHpS)	38.2	34.8		ng/L		91	60 - 135
Perfluorooctanesulfonic acid (PFOS)	37.2	35.4		ng/L		95	60 - 135
Perfluorononanesulfonic acid (PFNS)	38.5	38.4		ng/L		100	60 - 135
Perfluorodecanesulfonic acid (PFDS)	38.6	36.5		ng/L		95	60 - 135
Perfluorododecanesulfonic acid (PFDoS)	38.8	32.5		ng/L		84	60 - 135

Eurofins Chicago

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-694112/2-A
Matrix: Water
Analysis Batch: 694464

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 694112

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorooctanesulfonamide (FOSA)	40.0	35.4		ng/L		89	60 - 135
NEtFOSA	40.0	36.1		ng/L		90	60 - 135
NMeFOSA	40.0	37.7		ng/L		94	60 - 135
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	40.0	35.5		ng/L		89	60 - 135
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	40.0	36.4		ng/L		91	60 - 135
NMeFOSE	40.0	37.8		ng/L		95	60 - 135
NEtFOSE	40.0	35.0		ng/L		88	60 - 135
4:2 FTS	37.5	37.4		ng/L		100	60 - 135
6:2 FTS	38.1	36.1		ng/L		95	60 - 135
8:2 FTS	38.4	39.4		ng/L		103	60 - 135
DONA	37.8	37.4		ng/L		99	60 - 135
HFPO-DA (GenX)	40.0	39.6		ng/L		99	60 - 135
F-53B Major	37.4	33.1		ng/L		88	60 - 135
F-53B Minor	37.8	33.7		ng/L		89	60 - 135

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
13C4 PFBA	116		25 - 150
13C5 PFPeA	121		25 - 150
13C2 PFHxA	124		25 - 150
13C4 PFHpA	129		25 - 150
13C4 PFOA	121		25 - 150
13C5 PFNA	122		25 - 150
13C2 PFDA	125		25 - 150
13C2 PFUnA	114		25 - 150
13C2 PFDoA	110		25 - 150
13C2 PFTeDA	93		25 - 150
13C3 PFBS	120		25 - 150
18O2 PFHxS	127		25 - 150
13C4 PFOS	117		25 - 150
13C8 FOSA	117		10 - 150
d3-NMeFOSAA	129		25 - 150
d5-NEtFOSAA	120		25 - 150
d-N-MeFOSA-M	95		10 - 150
d-N-EtFOSA-M	101		10 - 150
d7-N-MeFOSE-M	107		10 - 150
d9-N-EtFOSE-M	106		10 - 150
M2-4:2 FTS	116		25 - 150
M2-6:2 FTS	111		25 - 150
M2-8:2 FTS	117		25 - 150
13C3 HFPO-DA	116		25 - 150

Lab Sample ID: LCSD 320-694112/3-A
Matrix: Water
Analysis Batch: 694464

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 694112

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	40.0	42.2		ng/L		105	60 - 135	7	30

Eurofins Chicago

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCSD 320-694112/3-A
Matrix: Water
Analysis Batch: 694464

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 694112

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluoropentanoic acid (PFPeA)	40.0	37.3		ng/L		93	60 - 135	0	30
Perfluorohexanoic acid (PFHxA)	40.0	36.5		ng/L		91	60 - 135	0	30
Perfluoroheptanoic acid (PFHpA)	40.0	37.0		ng/L		93	60 - 135	7	30
Perfluorooctanoic acid (PFOA)	40.0	35.2		ng/L		88	60 - 135	1	30
Perfluorononanoic acid (PFNA)	40.0	40.6		ng/L		102	60 - 135	1	30
Perfluorodecanoic acid (PFDA)	40.0	40.4		ng/L		101	60 - 135	8	30
Perfluoroundecanoic acid (PFUnA)	40.0	38.6		ng/L		97	60 - 135	4	30
Perfluorododecanoic acid (PFDoA)	40.0	37.2		ng/L		93	60 - 135	5	30
Perfluorotridecanoic acid (PFTriA)	40.0	36.9		ng/L		92	60 - 135	0	30
Perfluorotetradecanoic acid (PFTeA)	40.0	37.0		ng/L		92	60 - 135	1	30
Perfluorobutanesulfonic acid (PFBS)	35.5	31.3		ng/L		88	60 - 135	2	30
Perfluoropentanesulfonic acid (PFPeS)	37.6	37.4		ng/L		100	60 - 135	5	30
Perfluorohexanesulfonic acid (PFHxS)	36.5	31.6		ng/L		87	60 - 135	4	30
Perfluoroheptanesulfonic acid (PFHpS)	38.2	36.5		ng/L		96	60 - 135	5	30
Perfluorooctanesulfonic acid (PFOS)	37.2	34.1		ng/L		92	60 - 135	4	30
Perfluorononanesulfonic acid (PFNS)	38.5	35.8		ng/L		93	60 - 135	7	30
Perfluorodecanesulfonic acid (PFDS)	38.6	36.7		ng/L		95	60 - 135	1	30
Perfluorododecanesulfonic acid (PFDoS)	38.8	34.1		ng/L		88	60 - 135	5	30
Perfluorooctanesulfonamide (FOSA)	40.0	38.1		ng/L		95	60 - 135	7	30
NEtFOSA	40.0	36.5		ng/L		91	60 - 135	1	30
NMeFOSA	40.0	39.8		ng/L		100	60 - 135	5	30
N-methylperfluorooctanesulfonamide (NMeFOSAA)	40.0	35.5		ng/L		89	60 - 135	0	30
N-ethylperfluorooctanesulfonamide (NEtFOSAA)	40.0	35.6		ng/L		89	60 - 135	2	30
NMeFOSE	40.0	36.9		ng/L		92	60 - 135	2	30
NEtFOSE	40.0	37.4		ng/L		93	60 - 135	6	30
4:2 FTS	37.5	36.1		ng/L		96	60 - 135	4	30
6:2 FTS	38.1	35.7		ng/L		94	60 - 135	1	30
8:2 FTS	38.4	38.1		ng/L		99	60 - 135	3	30
DONA	37.8	37.4		ng/L		99	60 - 135	0	30
HFPO-DA (GenX)	40.0	38.4		ng/L		96	60 - 135	3	30
F-53B Major	37.4	34.4		ng/L		92	60 - 135	4	30
F-53B Minor	37.8	36.2		ng/L		96	60 - 135	7	30

Isotope Dilution	LCSD %Recovery	LCSD Qualifier	LCSD Limits
13C4 PFBA	109		25 - 150
13C5 PFPeA	112		25 - 150
13C2 PFHxA	116		25 - 150

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCSD 320-694112/3-A
Matrix: Water
Analysis Batch: 694464

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 694112

Isotope Dilution	LCSD LCSD		Limits
	%Recovery	Qualifier	
13C4 PFHpA	126		25 - 150
13C4 PFOA	119		25 - 150
13C5 PFNA	119		25 - 150
13C2 PFDA	118		25 - 150
13C2 PFUnA	111		25 - 150
13C2 PFDoA	115		25 - 150
13C2 PFTeDA	95		25 - 150
13C3 PFBS	113		25 - 150
18O2 PFHxS	119		25 - 150
13C4 PFOS	111		25 - 150
13C8 FOSA	112		10 - 150
d3-NMeFOSAA	123		25 - 150
d5-NEtFOSAA	123		25 - 150
d-N-MeFOSA-M	90		10 - 150
d-N-EtFOSA-M	96		10 - 150
d7-N-MeFOSE-M	114		10 - 150
d9-N-EtFOSE-M	103		10 - 150
M2-4:2 FTS	108		25 - 150
M2-6:2 FTS	112		25 - 150
M2-8:2 FTS	111		25 - 150
13C3 HFPO-DA	117		25 - 150

Lab Sample ID: MB 320-695760/1-A
Matrix: Water
Analysis Batch: 696784

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 695760

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Perfluorobutanoic acid (PFBA)	<2.4		5.0	2.4	ng/L		08/03/23 04:27	08/07/23 18:09	1
Perfluoropentanoic acid (PFPeA)	<0.49		2.0	0.49	ng/L		08/03/23 04:27	08/07/23 18:09	1
Perfluorohexanoic acid (PFHxA)	<0.58		2.0	0.58	ng/L		08/03/23 04:27	08/07/23 18:09	1
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		08/03/23 04:27	08/07/23 18:09	1
Perfluorooctanoic acid (PFOA)	<0.85		2.0	0.85	ng/L		08/03/23 04:27	08/07/23 18:09	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		08/03/23 04:27	08/07/23 18:09	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		08/03/23 04:27	08/07/23 18:09	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		08/03/23 04:27	08/07/23 18:09	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		08/03/23 04:27	08/07/23 18:09	1
Perfluorotridecanoic acid (PFTriA)	<1.3		2.0	1.3	ng/L		08/03/23 04:27	08/07/23 18:09	1
Perfluorotetradecanoic acid (PFTeA)	<0.73		2.0	0.73	ng/L		08/03/23 04:27	08/07/23 18:09	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		08/03/23 04:27	08/07/23 18:09	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		08/03/23 04:27	08/07/23 18:09	1
Perfluorohexanesulfonic acid (PFHxS)	<0.57		2.0	0.57	ng/L		08/03/23 04:27	08/07/23 18:09	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		08/03/23 04:27	08/07/23 18:09	1
Perfluorooctanesulfonic acid (PFOS)	<0.54		2.0	0.54	ng/L		08/03/23 04:27	08/07/23 18:09	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		08/03/23 04:27	08/07/23 18:09	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		08/03/23 04:27	08/07/23 18:09	1
Perfluorododecanesulfonic acid (PFDoS)	<0.97		2.0	0.97	ng/L		08/03/23 04:27	08/07/23 18:09	1
Perfluorooctanesulfonamide (FOSA)	<0.98		2.0	0.98	ng/L		08/03/23 04:27	08/07/23 18:09	1

Eurofins Chicago

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: MB 320-695760/1-A
Matrix: Water
Analysis Batch: 696784

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 695760

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
NEtFOSA	<0.87		2.0	0.87	ng/L		08/03/23 04:27	08/07/23 18:09	1
NMeFOSA	<0.43		2.0	0.43	ng/L		08/03/23 04:27	08/07/23 18:09	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<1.2		5.0	1.2	ng/L		08/03/23 04:27	08/07/23 18:09	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<1.3		5.0	1.3	ng/L		08/03/23 04:27	08/07/23 18:09	1
NMeFOSE	<1.4		4.0	1.4	ng/L		08/03/23 04:27	08/07/23 18:09	1
NEtFOSE	<0.85		2.0	0.85	ng/L		08/03/23 04:27	08/07/23 18:09	1
4:2 FTS	<0.24		2.0	0.24	ng/L		08/03/23 04:27	08/07/23 18:09	1
6:2 FTS	<2.5		5.0	2.5	ng/L		08/03/23 04:27	08/07/23 18:09	1
8:2 FTS	<0.46		2.0	0.46	ng/L		08/03/23 04:27	08/07/23 18:09	1
DONA	<0.40		2.0	0.40	ng/L		08/03/23 04:27	08/07/23 18:09	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		08/03/23 04:27	08/07/23 18:09	1
F-53B Major	<0.24		2.0	0.24	ng/L		08/03/23 04:27	08/07/23 18:09	1
F-53B Minor	<0.32		2.0	0.32	ng/L		08/03/23 04:27	08/07/23 18:09	1

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	105		25 - 150	08/03/23 04:27	08/07/23 18:09	1
13C5 PFPeA	103		25 - 150	08/03/23 04:27	08/07/23 18:09	1
13C2 PFHxA	103		25 - 150	08/03/23 04:27	08/07/23 18:09	1
13C4 PFHpA	115		25 - 150	08/03/23 04:27	08/07/23 18:09	1
13C4 PFOA	106		25 - 150	08/03/23 04:27	08/07/23 18:09	1
13C5 PFNA	116		25 - 150	08/03/23 04:27	08/07/23 18:09	1
13C2 PFDA	119		25 - 150	08/03/23 04:27	08/07/23 18:09	1
13C2 PFUnA	108		25 - 150	08/03/23 04:27	08/07/23 18:09	1
13C2 PFDoA	114		25 - 150	08/03/23 04:27	08/07/23 18:09	1
13C2 PFTeDA	110		25 - 150	08/03/23 04:27	08/07/23 18:09	1
13C3 PFBS	107		25 - 150	08/03/23 04:27	08/07/23 18:09	1
18O2 PFHxS	110		25 - 150	08/03/23 04:27	08/07/23 18:09	1
13C4 PFOS	117		25 - 150	08/03/23 04:27	08/07/23 18:09	1
13C8 FOSA	129		10 - 150	08/03/23 04:27	08/07/23 18:09	1
d3-NMeFOSAA	144		25 - 150	08/03/23 04:27	08/07/23 18:09	1
d5-NEtFOSAA	142		25 - 150	08/03/23 04:27	08/07/23 18:09	1
d-N-MeFOSA-M	107		10 - 150	08/03/23 04:27	08/07/23 18:09	1
d-N-EtFOSA-M	110		10 - 150	08/03/23 04:27	08/07/23 18:09	1
d7-N-MeFOSE-M	114		10 - 150	08/03/23 04:27	08/07/23 18:09	1
d9-N-EtFOSE-M	122		10 - 150	08/03/23 04:27	08/07/23 18:09	1
M2-4:2 FTS	105		25 - 150	08/03/23 04:27	08/07/23 18:09	1
M2-6:2 FTS	99		25 - 150	08/03/23 04:27	08/07/23 18:09	1
M2-8:2 FTS	109		25 - 150	08/03/23 04:27	08/07/23 18:09	1
13C3 HFPO-DA	105		25 - 150	08/03/23 04:27	08/07/23 18:09	1

Lab Sample ID: LCS 320-695760/2-A
Matrix: Water
Analysis Batch: 696077

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 695760

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	40.0	37.7		ng/L		94	60 - 135
Perfluoropentanoic acid (PFPeA)	40.0	37.3		ng/L		93	60 - 135

Euofins Chicago

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-695760/2-A
Matrix: Water
Analysis Batch: 696077

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 695760

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorohexanoic acid (PFHxA)	40.0	39.2		ng/L		98	60 - 135
Perfluoroheptanoic acid (PFHpA)	40.0	38.0		ng/L		95	60 - 135
Perfluorooctanoic acid (PFOA)	40.0	37.9		ng/L		95	60 - 135
Perfluorononanoic acid (PFNA)	40.0	38.7		ng/L		97	60 - 135
Perfluorodecanoic acid (PFDA)	40.0	41.2		ng/L		103	60 - 135
Perfluoroundecanoic acid (PFUnA)	40.0	38.9		ng/L		97	60 - 135
Perfluorododecanoic acid (PFDoA)	40.0	44.1		ng/L		110	60 - 135
Perfluorotridecanoic acid (PFTriA)	40.0	41.2		ng/L		103	60 - 135
Perfluorotetradecanoic acid (PFTeA)	40.0	39.2		ng/L		98	60 - 135
Perfluorobutanesulfonic acid (PFBS)	35.5	35.1		ng/L		99	60 - 135
Perfluoropentanesulfonic acid (PFPeS)	37.6	37.4		ng/L		100	60 - 135
Perfluorohexanesulfonic acid (PFHxS)	36.5	36.6		ng/L		100	60 - 135
Perfluoroheptanesulfonic acid (PFHpS)	38.2	35.0		ng/L		92	60 - 135
Perfluorooctanesulfonic acid (PFOS)	37.2	37.2		ng/L		100	60 - 135
Perfluorononanesulfonic acid (PFNS)	38.5	38.4		ng/L		100	60 - 135
Perfluorodecanesulfonic acid (PFDS)	38.6	35.2		ng/L		91	60 - 135
Perfluorododecanesulfonic acid (PFDoS)	38.8	37.7		ng/L		97	60 - 135
Perfluorooctanesulfonamide (FOSA)	40.0	36.5		ng/L		91	60 - 135
NEtFOSA	40.0	36.6		ng/L		92	60 - 135
NMeFOSA	40.0	39.2		ng/L		98	60 - 135
N-methylperfluorooctanesulfonamide acetic acid (NMeFOSAA)	40.0	38.8		ng/L		97	60 - 135
N-ethylperfluorooctanesulfonamide acetic acid (NEtFOSAA)	40.0	38.1		ng/L		95	60 - 135
NMeFOSE	40.0	37.4		ng/L		93	60 - 135
NEtFOSE	40.0	36.3		ng/L		91	60 - 135
4:2 FTS	37.5	36.1		ng/L		96	60 - 135
6:2 FTS	38.1	35.0		ng/L		92	60 - 135
8:2 FTS	38.4	38.2		ng/L		99	60 - 135
DONA	37.8	36.5		ng/L		97	60 - 135
HFPO-DA (GenX)	40.0	40.1		ng/L		100	60 - 135
F-53B Major	37.4	37.4		ng/L		100	60 - 135
F-53B Minor	37.8	40.0		ng/L		106	60 - 135

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
13C4 PFBA	93		25 - 150
13C5 PFPeA	94		25 - 150
13C2 PFHxA	94		25 - 150
13C4 PFHpA	101		25 - 150

QC Sample Results

Client: Ramboll US Corporation
Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-695760/2-A
Matrix: Water
Analysis Batch: 696077

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 695760

Isotope Dilution	LCS		Limits
	%Recovery	Qualifier	
13C4 PFOA	98		25 - 150
13C5 PFNA	93		25 - 150
13C2 PFDA	94		25 - 150
13C2 PFUnA	99		25 - 150
13C2 PFDoA	92		25 - 150
13C2 PFTeDA	96		25 - 150
13C3 PFBS	97		25 - 150
18O2 PFHxS	92		25 - 150
13C4 PFOS	98		25 - 150
13C8 FOSA	104		10 - 150
d3-NMeFOSAA	108		25 - 150
d5-NEtFOSAA	95		25 - 150
d-N-MeFOSA-M	80		10 - 150
d-N-EtFOSA-M	86		10 - 150
d7-N-MeFOSE-M	95		10 - 150
d9-N-EtFOSE-M	93		10 - 150
M2-4:2 FTS	101		25 - 150
M2-6:2 FTS	99		25 - 150
M2-8:2 FTS	88		25 - 150
13C3 HFPO-DA	92		25 - 150

Lab Chronicle

Client: Ramboll US Corporation
Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-201

Date Collected: 07/18/23 14:03

Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3535			693847	RLT	EET SAC	07/26/23 05:27
Total/NA	Analysis	537 (modified)		1	694215	RS1	EET SAC	07/27/23 19:22

Client Sample ID: MW-204

Date Collected: 07/18/23 14:52

Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3535			693847	RLT	EET SAC	07/26/23 05:27
Total/NA	Analysis	537 (modified)		1	694215	RS1	EET SAC	07/27/23 19:32

Client Sample ID: EB-01

Date Collected: 07/18/23 15:25

Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3535			693847	RLT	EET SAC	07/26/23 05:27
Total/NA	Analysis	537 (modified)		1	694215	RS1	EET SAC	07/27/23 19:42

Client Sample ID: FB-01

Date Collected: 07/18/23 15:30

Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3535			693847	RLT	EET SAC	07/26/23 05:27
Total/NA	Analysis	537 (modified)		1	694215	RS1	EET SAC	07/27/23 19:52

Client Sample ID: PZ-206

Date Collected: 07/19/23 07:51

Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3535			693847	RLT	EET SAC	07/26/23 05:27
Total/NA	Analysis	537 (modified)		1	694215	RS1	EET SAC	07/27/23 20:03

Client Sample ID: MW-213

Date Collected: 07/19/23 08:50

Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	725733	W1T	EET CHI	08/01/23 13:24
Total/NA	Analysis	8260B	DL	10	725733	W1T	EET CHI	08/01/23 13:47
Total/NA	Prep	3535			693847	RLT	EET SAC	07/26/23 05:27
Total/NA	Analysis	537 (modified)		1	694215	RS1	EET SAC	07/27/23 20:13

Lab Chronicle

Client: Ramboll US Corporation
Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-213 DUP

Lab Sample ID: 500-237064-7

Date Collected: 07/19/23 08:50

Matrix: Water

Date Received: 07/22/23 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	725733	W1T	EET CHI	08/01/23 14:55
Total/NA	Analysis	8260B	DL	10	725733	W1T	EET CHI	08/01/23 15:18
Total/NA	Prep	3535			693847	RLT	EET SAC	07/26/23 05:27
Total/NA	Analysis	537 (modified)		1	694215	RS1	EET SAC	07/27/23 20:23

Client Sample ID: MW-82

Lab Sample ID: 500-237064-8

Date Collected: 07/19/23 10:00

Matrix: Water

Date Received: 07/22/23 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	725733	W1T	EET CHI	08/01/23 15:41

Client Sample ID: AECOM MW-19

Lab Sample ID: 500-237064-9

Date Collected: 07/19/23 11:16

Matrix: Water

Date Received: 07/22/23 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	725733	W1T	EET CHI	08/01/23 16:04

Client Sample ID: PZ-214

Lab Sample ID: 500-237064-10

Date Collected: 07/19/23 12:29

Matrix: Water

Date Received: 07/22/23 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3535			693847	RLT	EET SAC	07/26/23 05:27
Total/NA	Analysis	537 (modified)		1	694215	RS1	EET SAC	07/27/23 20:33

Client Sample ID: MW-17

Lab Sample ID: 500-237064-11

Date Collected: 07/19/23 13:23

Matrix: Water

Date Received: 07/22/23 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	725733	W1T	EET CHI	08/01/23 16:26

Client Sample ID: MW-37

Lab Sample ID: 500-237064-12

Date Collected: 07/19/23 14:05

Matrix: Water

Date Received: 07/22/23 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	725733	W1T	EET CHI	08/01/23 16:49

Lab Chronicle

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-19
Date Collected: 07/19/23 15:00
Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-13
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	725733	W1T	EET CHI	08/01/23 17:12

Client Sample ID: EB-03
Date Collected: 07/19/23 15:20
Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-14
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	725733	W1T	EET CHI	08/01/23 17:35
Total/NA	Prep	3535			693847	RLT	EET SAC	07/26/23 05:27
Total/NA	Analysis	537 (modified)		1	694215	RS1	EET SAC	07/27/23 21:04

Client Sample ID: FB-03
Date Collected: 07/19/23 15:25
Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-15
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3535			693847	RLT	EET SAC	07/26/23 05:27
Total/NA	Analysis	537 (modified)		1	694215	RS1	EET SAC	07/27/23 21:14

Client Sample ID: MW-48
Date Collected: 07/20/23 08:00
Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-16
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3535			693847	RLT	EET SAC	07/26/23 05:27
Total/NA	Analysis	537 (modified)		1	694215	RS1	EET SAC	07/27/23 21:24
Total/NA	Prep	3535	DL		693847	RLT	EET SAC	07/26/23 05:27
Total/NA	Analysis	537 (modified)	DL	10	694798	RS1	EET SAC	07/30/23 07:57

Client Sample ID: MW-3
Date Collected: 07/20/23 08:50
Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-17
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	725733	W1T	EET CHI	08/01/23 17:57

Client Sample ID: MW-5
Date Collected: 07/20/23 09:15
Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-18
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	725733	W1T	EET CHI	08/01/23 18:20
Total/NA	Analysis	8260B	DL	10	725733	W1T	EET CHI	08/01/23 18:43

Lab Chronicle

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-8
Date Collected: 07/20/23 09:55
Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-19
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	725733	W1T	EET CHI	08/01/23 19:06

Client Sample ID: MW-31
Date Collected: 07/20/23 10:45
Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-20
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	725733	W1T	EET CHI	08/01/23 19:28

Client Sample ID: MW-16
Date Collected: 07/20/23 11:45
Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-21
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	725914	W1T	EET CHI	08/02/23 15:28

Client Sample ID: MW-15
Date Collected: 07/20/23 12:35
Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-22
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	725914	W1T	EET CHI	08/02/23 15:53
Total/NA	Analysis	8260B	DL	10	725914	W1T	EET CHI	08/02/23 16:16

Client Sample ID: MW-12
Date Collected: 07/20/23 13:22
Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-23
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3535			693847	RLT	EET SAC	07/26/23 05:27
Total/NA	Analysis	537 (modified)		5	695039	RS1	EET SAC	07/31/23 23:47

Client Sample ID: MW-9
Date Collected: 07/20/23 14:25
Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-24
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	725914	W1T	EET CHI	08/02/23 16:40
Total/NA	Prep	3535			693847	RLT	EET SAC	07/26/23 05:27
Total/NA	Analysis	537 (modified)		1	694215	RS1	EET SAC	07/27/23 22:05
Total/NA	Prep	3535	RA		693847	RLT	EET SAC	07/26/23 05:27
Total/NA	Analysis	537 (modified)	RA	1	700510	RS1	EET SAC	08/21/23 14:08

Lab Chronicle

Client: Ramboll US Corporation
Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-9 DUP

Lab Sample ID: 500-237064-25

Date Collected: 07/20/23 14:25

Matrix: Water

Date Received: 07/22/23 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	725914	W1T	EET CHI	08/02/23 17:04
Total/NA	Prep	3535			693847	RLT	EET SAC	07/26/23 05:27
Total/NA	Analysis	537 (modified)		1	694215	RS1	EET SAC	07/27/23 22:15
Total/NA	Prep	3535	RA		693847	RLT	EET SAC	07/26/23 05:27
Total/NA	Analysis	537 (modified)	RA	1	700510	RS1	EET SAC	08/21/23 14:18

Client Sample ID: EB-05

Lab Sample ID: 500-237064-26

Date Collected: 07/20/23 14:55

Matrix: Water

Date Received: 07/22/23 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	725914	W1T	EET CHI	08/02/23 11:03
Total/NA	Prep	3535			693847	RLT	EET SAC	07/26/23 05:27
Total/NA	Analysis	537 (modified)		1	694215	RS1	EET SAC	07/27/23 22:25

Client Sample ID: FB-05

Lab Sample ID: 500-237064-27

Date Collected: 07/20/23 15:00

Matrix: Water

Date Received: 07/22/23 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3535			693847	RLT	EET SAC	07/26/23 05:27
Total/NA	Analysis	537 (modified)		1	694215	RS1	EET SAC	07/27/23 22:35

Client Sample ID: TRIP BLANK

Lab Sample ID: 500-237064-28

Date Collected: 07/20/23 00:00

Matrix: Water

Date Received: 07/22/23 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	725914	W1T	EET CHI	08/02/23 10:40

Client Sample ID: AMEC_MW-14

Lab Sample ID: 500-237064-29

Date Collected: 07/19/23 09:20

Matrix: Water

Date Received: 07/22/23 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3535			693847	RLT	EET SAC	07/26/23 05:27
Total/NA	Analysis	537 (modified)		1	694215	RS1	EET SAC	07/27/23 23:06
Total/NA	Prep	3535	RE		695760	RLT	EET SAC	08/03/23 04:27
Total/NA	Analysis	537 (modified)	RE	1	696077	K1S	EET SAC	08/03/23 17:20

Lab Chronicle

Client: Ramboll US Corporation
Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: AMEC_MW-15

Date Collected: 07/20/23 14:22

Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-30

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3535			693847	RLT	EET SAC	07/26/23 05:27
Total/NA	Analysis	537 (modified)		1	694215	RS1	EET SAC	07/27/23 23:16

Client Sample ID: AMEC_MW-16

Date Collected: 07/19/23 14:33

Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-31

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3535			693847	RLT	EET SAC	07/26/23 05:27
Total/NA	Analysis	537 (modified)		1	694215	RS1	EET SAC	07/27/23 23:26
Total/NA	Prep	3535	DL		693847	RLT	EET SAC	07/26/23 05:27
Total/NA	Analysis	537 (modified)	DL	5	694798	RS1	EET SAC	07/30/23 07:46

Client Sample ID: AMEC_MW-16A

Date Collected: 07/19/23 15:12

Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-32

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3535			693847	RLT	EET SAC	07/26/23 05:27
Total/NA	Analysis	537 (modified)		1	694215	RS1	EET SAC	07/27/23 23:36

Client Sample ID: AMEC_MW-17

Date Collected: 07/20/23 09:37

Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-33

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3535			693849	RLT	EET SAC	07/26/23 05:35
Total/NA	Analysis	537 (modified)		1	694223	D1R	EET SAC	07/28/23 00:48

Client Sample ID: MW-121

Date Collected: 07/20/23 07:55

Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-34

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	726112	W1T	EET CHI	08/03/23 13:08
Total/NA	Analysis	8260B	DL	10	726299	W1T	EET CHI	08/03/23 22:38

Client Sample ID: MW-200

Date Collected: 07/19/23 11:24

Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-35

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3535			693849	RLT	EET SAC	07/26/23 05:35
Total/NA	Analysis	537 (modified)		1	694223	D1R	EET SAC	07/28/23 00:58

Lab Chronicle

Client: Ramboll US Corporation
Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: PZ-200

Date Collected: 07/19/23 10:50

Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-36

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3535			693849	RLT	EET SAC	07/26/23 05:35
Total/NA	Analysis	537 (modified)		1	694223	D1R	EET SAC	07/28/23 01:08

Client Sample ID: MW-209

Date Collected: 07/20/23 11:50

Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-37

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B	RA	1	726349	EA	EET CHI	08/04/23 13:50
Total/NA	Analysis	8260B		1	726112	W1T	EET CHI	08/03/23 13:33
Total/NA	Prep	3535			693849	RLT	EET SAC	07/26/23 05:35
Total/NA	Analysis	537 (modified)		1	694223	D1R	EET SAC	07/28/23 01:18

Client Sample ID: MW-209 DUP

Date Collected: 07/20/23 11:55

Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-38

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	726112	W1T	EET CHI	08/03/23 13:58
Total/NA	Prep	3535			693849	RLT	EET SAC	07/26/23 05:35
Total/NA	Analysis	537 (modified)		1	694223	D1R	EET SAC	07/28/23 01:28

Client Sample ID: MW-219

Date Collected: 07/20/23 08:50

Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-39

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	726112	W1T	EET CHI	08/03/23 14:23

Client Sample ID: MW-226

Date Collected: 07/18/23 14:15

Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-40

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3535			693849	RLT	EET SAC	07/26/23 05:35
Total/NA	Analysis	537 (modified)		1	694223	D1R	EET SAC	07/28/23 01:38

Client Sample ID: PZ-226

Date Collected: 07/18/23 14:56

Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-41

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3535			693849	RLT	EET SAC	07/26/23 05:35
Total/NA	Analysis	537 (modified)		1	694223	D1R	EET SAC	07/28/23 02:29

Lab Chronicle

Client: Ramboll US Corporation
Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-235

Date Collected: 07/19/23 13:37

Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-42

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3535			693849	RLT	EET SAC	07/26/23 05:35
Total/NA	Analysis	537 (modified)		1	694223	D1R	EET SAC	07/28/23 02:40

Client Sample ID: MW-236

Date Collected: 07/19/23 12:52

Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-43

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3535			693849	RLT	EET SAC	07/26/23 05:35
Total/NA	Analysis	537 (modified)		1	694223	D1R	EET SAC	07/28/23 02:50

Client Sample ID: EB-02

Date Collected: 07/18/23 15:20

Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-44

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3535			693849	RLT	EET SAC	07/26/23 05:35
Total/NA	Analysis	537 (modified)		1	694223	D1R	EET SAC	07/28/23 03:00

Client Sample ID: EB-04

Date Collected: 07/19/23 15:27

Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-45

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3535			694112	JER	EET SAC	07/26/23 20:59
Total/NA	Analysis	537 (modified)		1	694464	S1M	EET SAC	07/28/23 04:50

Client Sample ID: EB-06

Date Collected: 07/20/23 14:46

Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-46

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	726112	W1T	EET CHI	08/03/23 10:15
Total/NA	Prep	3535			694112	JER	EET SAC	07/26/23 20:59
Total/NA	Analysis	537 (modified)		1	694464	S1M	EET SAC	07/28/23 05:01

Client Sample ID: FB-02

Date Collected: 07/18/23 15:10

Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-47

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3535			694112	JER	EET SAC	07/26/23 20:59
Total/NA	Analysis	537 (modified)		1	694464	S1M	EET SAC	07/28/23 05:12

Lab Chronicle

Client: Ramboll US Corporation
Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: FB-04

Date Collected: 07/19/23 14:55

Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-48

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3535			694112	JER	EET SAC	07/26/23 20:59
Total/NA	Analysis	537 (modified)		1	694464	S1M	EET SAC	07/28/23 05:23

Client Sample ID: FB-06

Date Collected: 07/20/23 14:34

Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-49

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3535			694112	JER	EET SAC	07/26/23 20:59
Total/NA	Analysis	537 (modified)		1	694464	S1M	EET SAC	07/28/23 05:34

Laboratory References:

EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

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

Accreditation/Certification Summary

Client: Ramboll US Corporation
Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Laboratory: Eurofins Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	999580010	08-31-23

Laboratory: Eurofins Sacramento

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	998204680	08-31-23

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17

Eurofins Chicago

2417 Bond Street
University Park, IL 60484
Phone 708-534-5200 Fax 708-534-5211

Chain of Custody Record

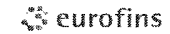


Client Information		Sampler: D. GLASFORD		Lab PM: Fredrick Sande		Carrier Tracking No(s):		COC No: 500-114234-47117 4											
Client Contact: Paul Lindquist		Phone:		E-Mail: Sandra.Fredrick@et.500-237064 COC		State of Origin: WI		Page 1 of 5											
Company: Ramboll US Corporation		PWSID:				Analysis Requested		Job #: 500-237064											
Address: 234 W Florida Street Fifth Floor		Due Date Requested:																	
City: Milwaukee		TAT Requested (days):																	
State Zip: WI 53204		Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No																	
Phone: 262-901-3510(Tel)		PO #: MIRRO 9																	
Email: plindquist@ramboll.com		WO #:																	
Project Name: Manitowoc at Former Mirro Plant No 9		Project #: 50020429																	
Site:		SSOW#:																	
								Preservation Codes: A HCL M Hexane B NaOH N None C Zn Acetate O AsNaO2 D N c Acid F Na2O4S E NaHSO4 Q Na2SO3 F MeOH R Na2S2O3 G Amchlor S H2SO4 H Ascorbic Acid T TSP Dodecahydrate I Ice U Acetone J DI Water V MCAA K EDTA W pH 4-5 L EDA Y Trizma Z other (specify) Other:											
Sample Identification		Sample Date		Sample Time		Sample Type (C=comp, G=grab)		Matrix (W=water, S=solid, O=waste/soil, BT=Tissue, A=Air)		Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		PFC_IDA_WI - PFAS Standard List (33 analytes)		Total Number of Containers		Special Instructions/Note	
						Preservation Code:													
1	MW-201	7-18-23	1403	G	Water	X													
2	MW-204	↓	1452	↓	Water	X													
3	EB-01	↓	1525	↓	Water	X													
4	FB-01	↓	1530	↓	Water	X													
5	PZ-206	7-19-23	751	G	Water	X													
6	MW 213	↓	850	↓	Water	X	X												
7	MW 213 DUP	↓	850	↓	Water	X	X												
8	MW 82	↓	1000	↓	Water		X												
9	DECOM MW-19	↓	1116	↓	Water		X												
10	PZ-214	↓	1229	↓	Water	X													
11	MW-17	↓	1323	↓	Water		X												
Possible Hazard Identification						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)													
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological						<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months													
Deliverable Requested I II III IV Other (specify)						Special Instructions/QC Requirements													
Empty Kit Relinquished by:		Date:		Time:		Method of Shipment:													
Relinquished by: <i>[Signature]</i>		Date/Time: 7-21-23 1245		Company: Ramboll		Received by: <i>[Signature]</i>		Date/Time: 7-21-23 1245		Company: Eurofins									
Relinquished by: <i>[Signature]</i>		Date/Time: 7/21/23 1700		Company: Eurofins		Received by: Stephanie Hernandez		Date/Time: 7/22/23 0950		Company: EEPA									
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:		Company:									
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No:				Cooler Temperature(s) °C and Other Remarks: 4.1 → 3.0													

Eurofins Chicago

2417 Bond Street
 University Park IL 60484
 Phone 708-534-5200 Fax 708-534-5211

Chain of Custody Record



Eurofins

Client Information		Sampler: <u>D. GLASFORD</u>		Lab PM: Fredrick Sandie		Carrier Tracking Note:		COC No: 500-114234-47117 5	
Client Contact: Paul Lindquist		Phone:		E-Mail: Sandra.Fredrick@et.eurofinsus.com		State of Origin: WI		Page 2 of 5	
Company: Ramboll US Corporation			PWSID:		Analysis Requested				
Address: 234 W Florida Street Fifth Floor		Due Date Requested:			Total Number of Containers: 4 Job #: 700-237064 Preservation Codes: A HCL M Hexane B NaOH N None C Zn Acetate O AsNaO2 D Nitric Acid P Na2O4S E NaHSO4 Q Na2SO3 F MeOH R Na2S2O3 G Amchlor S H2SO4 H Ascorbic Acid T TSP Dodecahydrate I Ice U Acetone J DI Water V MCAA K EDTA W pH 4-5 L EDA Y Trizma Z other (specify)				
City: Milwaukee		TAT Requested (days):							
State/Zip: WI 53204		Compliance Project. Δ Yes Δ No							
Phone: 262-901-3510(Tel)		PO #: MIRRO 9							
Email: plindquist@ramboll.com		WO #:							
Project Name: Manitowoc at Former M ro Plant No 9		Project #: 50020429							
S.e		SSOW#:							

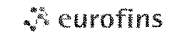
Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/soil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	PFCA, PFAS, Standard List (33 analytes)	Other
					X	X	N	
12 MW-37	7-19-23	1405	G	Water			X	
13 MW-19	↓	1500	↓	Water			X	
14 EB-03	↓	1520	↓	Water		X	X	
15 FB-03	↓	1525	↓	Water		X		
16 MW-48	7-20-23	800	↓	Water		X		
17 MW-3	↓	850	↓	Water			X	
18 MW 5	↓	915	↓	Water			X	
19 MW 8	↓	955	↓	Water			X	
20 MW-31	↓	1045	↓	Water			X	
21 MW16	↓	1145	↓	Water			X	
22 MW15	↓		↓	Water			X	

Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological				Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months			
Deliverable Requested I II III IV Other (specify)				Special Instructions/QC Requirements			
Empty Kit Relinquished by:		Date:		Time:		Method of Shipment:	
Relinquished by: <i>[Signature]</i>		Date/Time: 7-21-23 1245		Company: Ramboll		Received by: <i>[Signature]</i>	
Relinquished by: <i>[Signature]</i>		Date/Time: 7-21-23 1700		Company: Eurofins		Received by: Stephanie Hernandez	
Relinquished by:		Date/Time:		Company:		Date/Time: 7/21/23 0950	
Company: EEA							
Custody Seals Intact. Δ Yes Δ No				Custody Seal No			
Cooler Temperature(s) °C and Other Remarks							

Eurofins Chicago

2417 Bond Street
 University Park IL 60484
 Phone 708-534-5200 Fax 708-534-5211

Chain of Custody Record



ENVIRONMENTAL

Client Information		Sample: D. GLASFORD	Lab PM: Fredrick Sandie	Carrier Tracking No(s)	COC No: 500-114234-47117 9																																																																																																																																																																	
Client Contact: Paul Lindquist		Phone	E-Mail: Sandra.Fredrick@et.eurofins.com	State of Origin: WI	Page: 3 Page of 5																																																																																																																																																																	
Company: Ramboll US Corporation		PWSID	Analysis Requested																																																																																																																																																																			
Address: 234 W Florida Street Fifth Floor		Due Date Requested	<table border="1"> <tr> <td rowspan="5">Total Number of containers</td> <td colspan="2">Preservation Codes</td> </tr> <tr> <td>A HCL</td> <td>M Hexane</td> </tr> <tr> <td>B NaOH</td> <td>N None</td> </tr> <tr> <td>C Zn Acetate</td> <td>O AsNaO?</td> </tr> <tr> <td>D Nitric Acid</td> <td>P Na2O4S</td> </tr> <tr> <td>E NaHSO4</td> <td>Q Na2SO3</td> </tr> <tr> <td>F MeOH</td> <td>R Na2S2O3</td> </tr> <tr> <td>G Amchlor</td> <td>S H2SO4</td> </tr> <tr> <td>H Ascorbic Acid</td> <td>T TSP Dodecahydrate</td> </tr> <tr> <td>I ce</td> <td>U Acetone</td> </tr> <tr> <td>J DI Water</td> <td>V MCAA</td> </tr> <tr> <td>K EDTA</td> <td>W pH 4-5</td> </tr> <tr> <td>L EDA</td> <td>Y Trizma</td> </tr> <tr> <td></td> <td>Z other (specify)</td> </tr> <tr> <td colspan="2">City: Milwaukee</td> <td>TAT Requested (days)</td> <td colspan="3">Other:</td> </tr> <tr> <td colspan="2">State Zip: WI 53204</td> <td>Compliance Project. Δ Yes Δ No</td> <td colspan="3">Job #: 500-137064</td> </tr> <tr> <td colspan="2">Phone: 262-901-3510(Tel)</td> <td>PO #: MIRRO?</td> <td colspan="3">Field Filtered Sample (Yes or No)</td> </tr> <tr> <td colspan="2">Email: plindquist@ramboll.com</td> <td>WO #</td> <td colspan="3">Perform MS/MSD (Yes or No)</td> </tr> <tr> <td colspan="2">Project Name: Manitowoc at Former Mirro Plant No 9</td> <td>Project #: 50020429</td> <td colspan="3">PFC_IDA_WI - PFAS, Standard List (33 analytes)</td> </tr> <tr> <td colspan="2">Site:</td> <td>SSOW#:</td> <td colspan="3">VOC</td> </tr> <tr> <td colspan="2">Sample Identification</td> <td>Sample Date</td> <td>Sample Time</td> <td>Sample Type (C=comp, G=grab)</td> <td>Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A-Air)</td> </tr> <tr> <td colspan="2"></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>23</td> <td>MW-12</td> <td>7-20-23</td> <td></td> <td>G</td> <td>Water</td> </tr> <tr> <td>24</td> <td>MW-9</td> <td>↓</td> <td></td> <td></td> <td>Water</td> </tr> <tr> <td>25</td> <td>MW-9 DUP</td> <td></td> <td></td> <td></td> <td>Water</td> </tr> <tr> <td>26</td> <td>EB-05</td> <td></td> <td></td> <td></td> <td>Water</td> </tr> <tr> <td>27</td> <td>FB-05</td> <td>↓</td> <td></td> <td></td> <td>Water</td> </tr> <tr> <td>28</td> <td>TRIP BLANK</td> <td></td> <td></td> <td></td> <td>Water</td> </tr> <tr> <td colspan="2">Possible Hazard Identification</td> <td colspan="4">Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)</td> </tr> <tr> <td colspan="2"> <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological </td> <td colspan="4"> <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months </td> </tr> <tr> <td colspan="2">Deliverable Requested I II III IV Other (specify)</td> <td colspan="4">Special Instructions/QC Requirements</td> </tr> <tr> <td colspan="2">Empty Kit Relinquished by</td> <td>Date</td> <td>Time</td> <td colspan="2">Method of Shipment</td> </tr> <tr> <td colspan="2">Re-inquired by: <i>[Signature]</i></td> <td>Date/Time: 7-21-23 1245</td> <td>Company: Ramboll</td> <td>Received by: <i>[Signature]</i></td> <td>Date/Time: 7-21-23 1245</td> </tr> <tr> <td colspan="2">Re-inquired by: <i>[Signature]</i></td> <td>Date/Time: 7-21-23 1700</td> <td>Company: Eurofins</td> <td>Received by: <i>[Signature]</i></td> <td>Date/Time: 7/21/23 1950</td> </tr> <tr> <td colspan="2">Reinquished by</td> <td>Date/Time</td> <td>Company</td> <td>Received by</td> <td>Date/Time</td> </tr> <tr> <td colspan="2">Custody Seals Intact. Δ Yes Δ No</td> <td colspan="2">Custody Seal No</td> <td colspan="2">Cooler Temperature(s °C and Other Remarks.</td> </tr> </table>			Total Number of containers	Preservation Codes		A HCL	M Hexane	B NaOH	N None	C Zn Acetate	O AsNaO?	D Nitric Acid	P Na2O4S	E NaHSO4	Q Na2SO3	F MeOH	R Na2S2O3	G Amchlor	S H2SO4	H Ascorbic Acid	T TSP Dodecahydrate	I ce	U Acetone	J DI Water	V MCAA	K EDTA	W pH 4-5	L EDA	Y Trizma		Z other (specify)	City: Milwaukee		TAT Requested (days)	Other:			State Zip: WI 53204		Compliance Project. Δ Yes Δ No	Job #: 500-137064			Phone: 262-901-3510(Tel)		PO #: MIRRO?	Field Filtered Sample (Yes or No)			Email: plindquist@ramboll.com		WO #	Perform MS/MSD (Yes or No)			Project Name: Manitowoc at Former Mirro Plant No 9		Project #: 50020429	PFC_IDA_WI - PFAS, Standard List (33 analytes)			Site:		SSOW#:	VOC			Sample Identification		Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A-Air)							23	MW-12	7-20-23		G	Water	24	MW-9	↓			Water	25	MW-9 DUP				Water	26	EB-05				Water	27	FB-05	↓			Water	28	TRIP BLANK				Water	Possible Hazard Identification		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)				<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological		<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months				Deliverable Requested I II III IV Other (specify)		Special Instructions/QC Requirements				Empty Kit Relinquished by		Date	Time	Method of Shipment		Re-inquired by: <i>[Signature]</i>		Date/Time: 7-21-23 1245	Company: Ramboll	Received by: <i>[Signature]</i>	Date/Time: 7-21-23 1245	Re-inquired by: <i>[Signature]</i>		Date/Time: 7-21-23 1700	Company: Eurofins	Received by: <i>[Signature]</i>	Date/Time: 7/21/23 1950	Reinquished by		Date/Time	Company	Received by	Date/Time	Custody Seals Intact. Δ Yes Δ No		Custody Seal No		Cooler Temperature(s °C and Other Remarks.	
Total Number of containers	Preservation Codes																																																																																																																																																																					
	A HCL	M Hexane																																																																																																																																																																				
	B NaOH	N None																																																																																																																																																																				
	C Zn Acetate	O AsNaO?																																																																																																																																																																				
	D Nitric Acid	P Na2O4S																																																																																																																																																																				
E NaHSO4	Q Na2SO3																																																																																																																																																																					
F MeOH	R Na2S2O3																																																																																																																																																																					
G Amchlor	S H2SO4																																																																																																																																																																					
H Ascorbic Acid	T TSP Dodecahydrate																																																																																																																																																																					
I ce	U Acetone																																																																																																																																																																					
J DI Water	V MCAA																																																																																																																																																																					
K EDTA	W pH 4-5																																																																																																																																																																					
L EDA	Y Trizma																																																																																																																																																																					
	Z other (specify)																																																																																																																																																																					
City: Milwaukee		TAT Requested (days)	Other:																																																																																																																																																																			
State Zip: WI 53204		Compliance Project. Δ Yes Δ No	Job #: 500-137064																																																																																																																																																																			
Phone: 262-901-3510(Tel)		PO #: MIRRO?	Field Filtered Sample (Yes or No)																																																																																																																																																																			
Email: plindquist@ramboll.com		WO #	Perform MS/MSD (Yes or No)																																																																																																																																																																			
Project Name: Manitowoc at Former Mirro Plant No 9		Project #: 50020429	PFC_IDA_WI - PFAS, Standard List (33 analytes)																																																																																																																																																																			
Site:		SSOW#:	VOC																																																																																																																																																																			
Sample Identification		Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A-Air)																																																																																																																																																																	
23	MW-12	7-20-23		G	Water																																																																																																																																																																	
24	MW-9	↓			Water																																																																																																																																																																	
25	MW-9 DUP				Water																																																																																																																																																																	
26	EB-05				Water																																																																																																																																																																	
27	FB-05	↓			Water																																																																																																																																																																	
28	TRIP BLANK				Water																																																																																																																																																																	
Possible Hazard Identification		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)																																																																																																																																																																				
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological		<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months																																																																																																																																																																				
Deliverable Requested I II III IV Other (specify)		Special Instructions/QC Requirements																																																																																																																																																																				
Empty Kit Relinquished by		Date	Time	Method of Shipment																																																																																																																																																																		
Re-inquired by: <i>[Signature]</i>		Date/Time: 7-21-23 1245	Company: Ramboll	Received by: <i>[Signature]</i>	Date/Time: 7-21-23 1245																																																																																																																																																																	
Re-inquired by: <i>[Signature]</i>		Date/Time: 7-21-23 1700	Company: Eurofins	Received by: <i>[Signature]</i>	Date/Time: 7/21/23 1950																																																																																																																																																																	
Reinquished by		Date/Time	Company	Received by	Date/Time																																																																																																																																																																	
Custody Seals Intact. Δ Yes Δ No		Custody Seal No		Cooler Temperature(s °C and Other Remarks.																																																																																																																																																																		

Eurofins Chicago

2417 Bond Street
University Park IL 60484
Phone 708-534-5200 Fax 708-534-5211

Chain of Custody Record



TVF 0021

Client Information		Sampler <i>Sarah Jo Matthews</i>	Lab PM Fredrick Sandie	Carrier Tracking No(s)	COC No 500-114234-47117 3					
Client Contact Paul Lindquist		Phone	E-Mail Sandra.Fredrick@et.eurofins.com	State of Origin <i>WI</i>	Page Page 1 of 5					
Company Ramboll US Corporation		PA/SID	Analysis Requested							
Address 234 W Florida Street Fifth Floor		Due Date Requested	Preservation Codes A HCL M Hexane B NaOH N None C Zn Acetate U AsNaO2 D Nitric Acid P Na2O4S E NaHSO4 Q Na2SO3 F MeOH S H2SO4 G Amchlor T *SP Dodecahydrate H Ascorbic Acid U Acetone I Ice V MCAA J DI Water W pH 4-5 K EDTA Y Trizma L EDA Z other (specify)							
City Milwaukee		TAT Requested (days) <i>Standard</i>								
State Zip WI 53204		Compliance Project. <input type="checkbox"/> Yes <input type="checkbox"/> No								
Phone 262-901-3510(Tel)		PO # MIRRO 29								
Email plindquist@ramboll.com		WO #								
Project Name Manitowoc at Former Mirro Plant No 9		Project # 50020429	Job # <i>500-0237004</i>							
Site		SSOW#								
Sample Identification		Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/soil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Performance MS/MSD (Yes or No)	PFC_IDA_WI - PFAS, Standard List (33 analytes)	Total Number of Containers	Special Instructions/Note
								<i>8260B-VOC</i>		
<i>29</i>	AMEC_MW-14	7-19-23	0920	G	Water	N	N	X		
<i>30</i>	AMEC_MW-15	7-20-23	1422		Water	N	N	X		
<i>31</i>	AMEC_MW-16	7-19-23	1433		Water			X		
<i>32</i>	AMEC_MW-16A	7-19-23	1512		Water			X		
<i>33</i>	AMEC_MW-17	7-20-23	0937		Water			X		
<i>34</i>	MW-121	7-20-23	755		Water			X		
<i>35</i>	MW-200	7-19-23	7124		Water			X		
<i>36</i>	MW PZ-200	7-19-23	1050		Water			X		
<i>37</i>	MW-209	7-20-23	1150		Water			X	X	
<i>38</i>	MW-209 Dup	7-20-23	1155		Water			X	X	
<i>39</i>	MW-219	7-20-23	0850		Water			X		
Possible Hazard Identification					Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)					
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological					<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months					
Deliverable Requested I II III IV Other (specify)					Specia. Instructions/QC Requirements.					
Empty Kit Relinquished by		Date		Time		Method of Shipment				
Reinquired by <i>[Signature]</i>		7-21-23 1245		Ramboll		Received by <i>[Signature]</i>		7-21-23 1245		Eurofins
Reinquired by <i>[Signature]</i>		7-21-23 1700		Eurofins		Received by <i>[Signature]</i>		7-22-23 0950		EETA
Reinquired by		Date/Time		Company		Received by		Date/Time		Company
Custody Seals Intact		Custody Seal No		Cooler Temperature(s) °C and Other Remarks						
<input type="checkbox"/> Yes <input type="checkbox"/> No										

Eurofins Chicago

2417 Bond Street
 University Park, IL 60484
 Phone 708-534-5200 Fax. 708-534-5211

Chain of Custody Record



E r o f i n s

Client Information		Sampler <i>Sandra So Matheus</i>	Lab PM Fredrick Sandie	Carrier Tracking No(s)	COC No. 500-114234-47117 6					
Client Contact Paul Lindquist		Phone	E-Mail Sandra.Fredrick@et.eurofinsus.com	State of Origin <i>WI</i>	Page Page 1 of 5					
Company Ramboll US Corporation		PWSID	Analysis Requested							
Address 234 W Florida Street Fifth Floor		Due Date Requested	Job #: <i>500-23706A</i>							
City Milwaukee		TAT Requested (days) <i>Standard</i>								
State Zip WI 53204		Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No								
Phone 262-901-3510(Tel)		PO # MIRRO <i>9</i>								
Email plindquist@ramboll.com		WO #								
Project Name Manitowoc at Former Mirro Plant No 9		Project # 50020429	Preservation Codes A HCL M Hexane B NaOH N None C Zn Acetate O AsNaO2 D Nitric Acid P Na2O4S E NaHSO4 Q Na2SO3 F MeOH R Na2S2O3 G Amchlor S H2SO4 H Ascorbic Acid T TSP Dodecahydrate I Ice U Acetone J DI Water V MCAA K EDTA W pH 4-5 L EDTA Y - Trizma Z other (specify)							
Site		SSOW#								
Sample Identification		Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sampler (Yes or No)	Perform MS/MSD (Yes or No)	PFC_IDA_WI - PFAS Standard List (33 analytes)	Total Number of Containers	Special Instructions/Note
		Preservation Code: <i>N</i>								
<i>40</i>	<i>MW-226</i>	<i>7-18-23</i>	<i>1415</i>	<i>G</i>	<i>Water</i>	<i>WN</i>	<i>X</i>			
<i>41</i>	<i>PZ-226</i>	<i>7-18-23</i>	<i>1456</i>		<i>Water</i>	<i>WN</i>	<i>X</i>			
<i>42</i>	<i>MW-228</i>	<i>7-19-23</i>	<i>0804</i>		<i>Water</i>					
<i>43</i>	<i>MW-235</i>	<i>7-19-23</i>	<i>1337</i>		<i>Water</i>	<i>WN</i>	<i>X</i>			
<i>44</i>	<i>MW-236</i>	<i>7-19-23</i>	<i>1252</i>		<i>Water</i>	<i>WN</i>	<i>X</i>			
<i>45</i>	<i>EB-02</i>	<i>7-19-23</i>	<i>1520</i>		<i>Water</i>	<i>WN</i>	<i>X</i>			
<i>46</i>	<i>EB-04</i>	<i>7-19-23</i>	<i>1527</i>		<i>Water</i>	<i>WN</i>	<i>X</i>			
<i>47</i>	<i>EB-06</i>	<i>7-20-23</i>	<i>1446</i>		<i>Water</i>	<i>WN</i>	<i>X</i>	<i>X</i>		
<i>48</i>	<i>FB-02</i>	<i>7-18-23</i>	<i>1510</i>		<i>Water</i>	<i>WN</i>	<i>X</i>			
<i>49</i>	<i>FB-04</i>	<i>7-19-23</i>	<i>1455</i>		<i>Water</i>	<i>WN</i>	<i>X</i>			
<i>49</i>	<i>FB-06</i>	<i>7-20-23</i>	<i>1436</i>		<i>Water</i>	<i>WN</i>	<i>X</i>			
Possible Hazard Identification						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)				
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological						<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months				
Deliverable Requested I II III IV Other (specify)						Special Instructions/QC Requirements				
Empty Kit Relinquished by		Date		Time		Method of Shipment:				
Relinquished by <i>[Signature]</i>		Date/Time <i>7-21-23 1245</i>		Company <i>Ramboll</i>		Received by <i>[Signature]</i>		Date/Time <i>7-21-23 1245</i>		Company <i>Eurofins</i>
Relinquished by <i>[Signature]</i>		Date/Time <i>7-21-23 1700</i>		Company <i>Eurofins</i>		Received by <i>[Signature]</i>		Date/Time <i>7-22-23 0915D</i>		Company <i>Eurofins</i>
Relinquished by		Date/Time		Company		Received by		Date/Time		Company
Custody Seals Intact		Custody Seal No		Cover Temperature (s) °C and Other Remarks						
<input type="checkbox"/> Yes <input type="checkbox"/> No										

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17



500-237064 Waybi

gt

4434 M77A EXP 03/24
 SARA/COF4/FFPR

ORIGIN ID:RRLA (262) 2
 IAN EVANS
 EUROFINS TESTAMERICA
 4125 N 124TH ST.
 SUITE F (REAR)
 BROOKFIELD, WI 53005
 UNITED STATES US

DATE: 21JUL23
 51.45 LB
 69688/CAFE3709

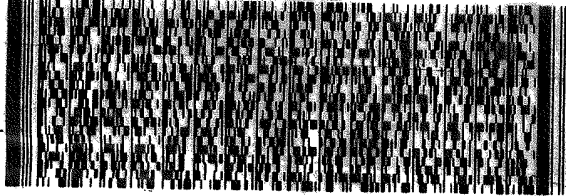
TO SAMPLE RECEIPT
EUROFINS
2417 BOND ST.

UNIVERSITY PARK IL 60484

(262) 202-5855
 INU: PU:

REF:

DEPT:



FedEx Express



M11021102112020321

2 of 2

MPS# 6578 9771 0570
 0263

Mstr# 6578 9771 0560

0201

SATURDAY 12:00P
PRIORITY OVERNIGHT

XO JOTA

60484
 IL-US ORD



Eurofins Chicago

2417 Bond Street
University Park, IL 60484
Phone: 708-534-5200 Fax: 708-534-5211

Chain of Custody Record



in the world in

Client Information		Sampler: D. GLASFORD	Lab PM: Fredrick Sandle	Carrier Tracking No(s):	COC No: 500-114234-47117 4			
Client Contact: Paul Lindquist		Phone:	E-Mail: Sandra.Fredrick@et.eurofinsus.com	State of Origin: WI	Page: 1 of 5			
Company: Ramboll US Corporation		PWSID:	Analysis Requested					
Address: 234 W Florida Street Fifth Floor		Due Date Requested:	Preservation Codes A HCL M Hexane B NaOH N None C Zn Acetate O AsNaO2 P M-2004C					
City: Milwaukee		TAT Requested (days):						
State, Zip: WI 53204		Compliance Project: Δ Yes Δ No						
Phone: 262-901-3510(Tel)		PO #: MIRRO9						
Email: plindquist@ramboll.com		WO #:						
Project Name: Manitowoc at Former Mirro Plant No 9		Project #: 50020429	Logged in Chicago. hydrate PFAS sent direct to Sacramento.					
Site:		SSOW#:						
Sample Identification		Sample Date				Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=wastefl, BT=Tissue, A=Air)
MW-201	7-18-23	1403				G	Water	X
MW-204		1452					Water	X
EB-01		1525					Water	X
FB-01		1530					Water	X
PZ-206	7-19-23	751				G	Water	X
MW 213		850					Water	X X
MW 213 DUP		850					Water	X X
MW 82		1000		Water	X X			
AECOM MW-19		1116		Water	X X			
PZ-214		1229		Water	X			
MW-17		1323		Water	X			
Possible Hazard Identification		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)						
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological		<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months						
Deliverable Requested: I II III, IV Other (specify)		Special Instructions/QC Requirements:						
Empty Kit Relinquished by:		Date:	Time:	Method of Shipment:				
Relinquished by: <i>[Signature]</i>	Date/Time: 7-21-23 1245	Company: Ramboll	Received by: <i>[Signature]</i>	Date/Time: 7-21-23 1245	Company: Eurofins			
Relinquished by: <i>[Signature]</i>	Date/Time: 7/21/23 1700	Company: Eurofins	Received by: <i>[Signature]</i>	Date/Time: 7/23/23- 900	Company: EUSA			
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:			
Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks:						

Page 183 of 195

8/29/2023 (Rev. 1)



Eurofins Chicago

2417 Bond Street
 University Park, IL 60484
 Phone: 708-534-5200 Fax: 708-534-5211

Chain of Custody Record



Enviro Net Testing

Client Information		Sample: D. GLASFORD	Lab PM: Fredrick Sandie	Carrier Tracking No(s):	COC No: 500-114234-47117 9	
Client Contact: Paul Lindquist		Phone:	E-Mail: Sandra.Fredrick@et.eurofinsus.com	State of Origin: WI	Page: 1 of 5	
Company: Ramboll US Corporation			PWSID:	Analysis Requested		
Address: 234 W Florida Street Fifth Floor		Due Date Requested:	<p style="writing-mode: vertical-rl; transform: rotate(180deg); font-size: small;">PFC, IDA, WI, PFAS, Standard List (93 analytes)</p>	VOC	Preservation Codes A HCL M Hexane B NaOH N None C Zn Acetate O AsNaO2 D Nitric Acid P Na2O4S E NaHSO4 Q Na2SO3 F MeOH R Na2S2O3 G Amchlor S H2SO4 H Ascorbic Acid T TSP Dodecahydrate I Ice U Acetone J DI Water V MCAA K EDTA W pH 4-5 L EDA Y Trizma Z other (specify)	
City: Milwaukee		TAT Requested (days):				
State, Zip: WI 53204		Compliance Project: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
Phone: 262-901-3510(Tel)		PO #: MIRROR				
Email: plindquist@ramboll.com		WO #:				
Project Name: Manitowoc at Former Mirro Plant No 9		Project #: 50020429				
Site:		SSOW#:	Job #:			
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, B=solid, O=waste/soil, BT=Tissue, Av=Air)	Special Instructions/Note:
MW-12		7-20-23		G	Water	
MW-9		↓			Water	
MW-9 DUP		↓			Water	
EB-05		↓			Water	
FB-05		↓			Water	
TRIP BLANK					Water	
Possible Hazard Identification			Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)			
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological			<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months			
Deliverable Requested: I, II, III, IV, Other (specify)			Special Instructions/QC Requirements:			
Empty Kit Relinquished by:		Date:	Time:	Method of Shipment:		
Relinquished by: <i>[Signature]</i>	Date/Time: 7-21-23 1245	Company: Ramboll	Received by: <i>[Signature]</i>	Date/Time: 7-21-23 1245	Company: Eurofins	
Relinquished by: <i>[Signature]</i>	Date/Time: 7-21-23 1700	Company: Eurofins	Received by: <i>[Signature]</i>	Date/Time: 7/22/23-900	Company: ETSAC	
Custody Seals Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:		

Page 184 of 195

8/29/2023 (Rev. 1)

Ver: 06/08/2021



Eurofins Chicago

2417 Bond Street
University Park, IL 60484
Phone: 708-534-5200 Fax: 708-534-5211

Chain of Custody Record



www.eurofins.com

Client Information		Sampler: <i>Sarah J. Matthews</i>		Lab PM: Fredrick, Sandie		Carrier Tracking No(s):		COC No: 500-114234-47117 3			
Client Contact: Paul Lindquist		Phone:		E-Mail: Sandra.Fredrick@et.eurofinsus.com		State of Origin: <i>WI</i>		Page: <i>1</i> of <i>3</i>			
Company: Ramboll US Corporation		PWSID:		Analysis Requested						Job #:	
Address: 234 W Florida Street Fifth Floor		Due Date Requested:		PFC, IDA, WI PFAS, Standard List (33 analytes) 8860B-VOC						Preservation Codes: A HCL M Hexane B NaOH N None C Zn Acetate O AsNaO2 D Nitric Acid P Na2O4S E NaHSO4 Q Na2SO3 F MeOH R Na2S2O3 G Amchlor S H2SO4 H Ascorbic Acid T TSP Dodecahydrate I Ice U Acetone J DI Water V MCAA K EDTA W pH 4-5 L EDA Y Trizma Z other (specify)	
City: Milwaukee		TAT Requested (days): <i>Standard</i>									
State, Zip: WI, 53204		Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No									
Phone: 262-901-3510(Tel)		PO #: MIRRO <i>29</i>									
Email: plindquist@ramboll.com		WO #:									
Project Name: Manitowoc at Former Mirro Plant No 9		Project #: 60020429		SSOW#:							
Site:											
Sample Identification		Sample Date		Sample Time		Sample Type (C=comp, G=grab)		Matrix (W=water, B=solid, O=waste/ol, BT=Tissue, A=Air)		Special Instructions/Note:	
<i>AMEC_MW-14</i>		<i>7-19-23</i>		<i>0920</i>		<i>W</i>		<i>W</i>			
<i>AMEC_MW-15</i>		<i>7-20-23</i>		<i>1422</i>		<i>W</i>		<i>W</i>			
<i>AMEC_MW-16</i>		<i>7-19-23</i>		<i>1433</i>		<i>W</i>		<i>X</i>			
<i>AMEC_MW-16A</i>		<i>7-19-23</i>		<i>1512</i>		<i>W</i>		<i>X</i>			
<i>AMEC_MW-17</i>		<i>7-20-23</i>		<i>0957</i>		<i>W</i>		<i>X</i>			
<i>MW-121</i>		<i>7-20-23</i>		<i>755</i>		<i>W</i>		<i>X</i>			
<i>MW-200</i>		<i>7-19-23</i>		<i>7124</i>		<i>W</i>		<i>X</i>			
<i>MW-209</i>		<i>7-20-23</i>		<i>1150</i>		<i>W</i>		<i>X X</i>			
<i>MW-209 Dup</i>		<i>7-20-23</i>		<i>1155</i>		<i>W</i>		<i>X X</i>			
<i>MW-219</i>		<i>7-20-23</i>		<i>0850</i>		<i>W</i>		<i>X</i>			
Possible Hazard Identification						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)					
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological						<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months					
Deliverable Requested: I, II, III, IV Other (specify)						Special Instructions/QC Requirements:					
Empty Kit Relinquished by:		Date:		Time		Method of Shipment:					
Relinquished by: <i>[Signature]</i>		Date/Time: <i>7-21-23 1245</i>		Company: <i>Ramboll</i>		Received by: <i>[Signature]</i>		Date/Time: <i>7-21-23 1245</i>		Company: <i>Eurofins</i>	
Relinquished by: <i>[Signature]</i>		Date/Time: <i>7-21-23 1700</i>		Company: <i>Eurofins</i>		Received by: <i>[Signature]</i>		Date/Time: <i>7/22/23 900</i>		Company: <i>Eurofins</i>	
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:		Company:	
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.		Cooler Temperature(s) °C and Other Remarks:							

Page 185 of 195

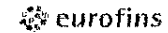
8/29/2023 (Rev. 1)



Eurofins Chicago

2417 Bond Street
 University Park, IL 60484
 Phone: 708-534-5200 Fax: 708-534-5211

Chain of Custody Record



Environment Test 1g

Client Information		Sampler: D-GLAGFORD	Lab PM: Fredrick, Sandie	Carrier Tracking No(s):	COC No: 500-114234-47117 5	
Client Contact: Paul Lindquist		Phone:	E-Mail: Sandra.Fredrick@et.eurofinsus.com	State of Origin: WI	Page: 2 of 5	
Company: Ramboll US Corporation		PWSID:	Analysis Requested			
Address: 234 W Florida Street Fifth Floor		Due Date Requested:	PFC,IDA,WI PFAS, Standard List (33 analytes) V00			
City: Milwaukee		TAT Requested (days):				
State, Zip: WI 53204		Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No				
Phone: 262-901-3510(Tel)		PO #: MIRRO 9				
Email: plindquist@ramboll.com		WO #:				
Project Name: Manitowoc at Former Mirro Plant No 9		Project #: 50020429	Preservation Codes A HCL M Hexane B NaOH N None C Zn Acetate O AsNaO2 D Nitric Acid P Na2O4S E NaHSO4 Q Na2SO3 F MeOH R Na2S2O3 G Amchlor S H2SO4 H Ascorbic Acid T TSP Dodecahydrate I Ice U Acetone J DI Water V MCAA K EDTA W pH 4-5 L EDA Y Trizma Z other (specify)			
Site:		SSOW#:				
Sample Identification		Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/soil, BT=Tissue, A=Air)	Special Instructions/Note
MW-37		7-19-23	1405	G	Water	
MW-19		↓	1500	↓	Water	
EB-03		↓	1520	↓	Water	
FB-03		↓	1525	↓	Water	
MW-48		7-20-23	800		Water	
MW-3		↓	850		Water	
MW-5		↓	915		Water	
MW-8		↓	955		Water	
MW-31		↓	1045		Water	
MW-16		↓	1145		Water	
MW-15		↓			Water	
Possible Hazard Identification				Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)		
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological				<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months		
Deliverable Requested: I, II, III, IV Other (specify)				Special Instructions/QC Requirements:		
Empty Kit Relinquished by:		Date:	Time:	Method of Shipment:		
Relinquished by: <i>[Signature]</i>		Date/Time: 7-21-23 1245	Company: Ramboll	Received by: <i>[Signature]</i>		Date/Time: 7-21-23 1245 Company: Eurofins
Relinquished by: <i>[Signature]</i>		Date/Time: 7-21-23 1700	Company: Eurofins	Received by: <i>[Signature]</i>		Date/Time: 7/21/23 - 900 Company: EETSAE
Relinquished by:		Date/Time:	Company:	Received by:		Date/Time: Company:
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.		Cooler Temperature(s) °C and Other Remarks:		

Page 186 of 195

8/29/2023 (Rev. 1)



Eurofins Chicago

2417 Bond Street
University Park, IL 60484
Phone: 708-534-5200 Fax: 708-534-5211

Chain of Custody Record



Environment Testing

Client Information		Sampler: <i>Sandra S. Matheus</i>		Lab PM: Fredrick, Sandie		Carrier Tracking No(s):		COC No: 500-114234/47117 5											
Client Contact: Paul Lindquist		Phone:		E-Mail: Sandra.Fredrick@et.eurofinsus.com		State of Origin: WI		Page: 1 of 3											
Company: Ramboll US Corporation		PWSID:		Analysis Requested						Job #:									
Address: 234 W Florida Street Fifth Floor		Due Date Requested:								PFC, IDA, WI PFAS, Standard List (33 analytes)		8250B - VOC		Preservation Codes					
City: Milwaukee		TAT Requested (days): <i>Standard</i>												A HCL M Hexane		B NaOH N None		C Zn Acetate O AsNaO2	
State, Zip: WI, 53204		Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No												D Nitric Acid P Na2O4S		E NaHSO4 R Na2S2O3		F MeOH S H2SO4	
Phone: 262-801-3510(Tel)		PO #: <i>MIRRO 9</i>		G Amchlor T TSP Dodecahydrate		H Ascorbic Acid U Acetone		I Ice V MCAA											
Email: plindquist@ramboll.com		WO #:		J DI Water W pH 4-5		K EDTA Y Trizma		L EDA Z other (specify)											
Project Name: Manitowoc at Former Mirro Plant No 9		Project #: 50020429		Other:															
Site:		SSOW#:																	
Sample Identification		Sample Date		Sample Time		Sample Type (C=Comp, G=grab)		Matrix (W=water, S=solid, O=waste/soil, BT=Tissue, A=Air)		Special Instructions/Note:									
<i>MW-226</i>		<i>7-18-23</i>		<i>1415</i>		<i>G</i>		<i>Water</i>											
<i>MW-226</i> <i>PZ-226</i>		<i>7-18-23</i> <i>7-18-23</i>		<i>1450</i> <i>1450</i>				<i>Water</i>											
<i>MW-228</i>		<i>7-19-23</i> <i>7-19-23</i>		<i>1304</i> <i>1304</i>				<i>Water</i>											
<i>MW-235</i>		<i>7-19-23</i>		<i>1337</i>				<i>Water</i>											
<i>MW-236</i>		<i>7-19-23</i>		<i>1252</i>				<i>Water</i>											
<i>EB-02</i>		<i>7-18-23</i>		<i>1520</i>				<i>Water</i>											
<i>EB-04</i>		<i>7-19-23</i>		<i>1527</i>				<i>Water</i>											
<i>EB-06</i>		<i>7-20-23</i>		<i>1440</i>				<i>Water</i>		<i>X</i>									
<i>FB-02</i>		<i>7-18-23</i>		<i>1510</i>				<i>Water</i>											
<i>FB-04</i>		<i>7-19-23</i>		<i>1455</i>				<i>Water</i>											
<i>FB-06</i>		<i>7-20-23</i>		<i>1430</i>				<i>Water</i>											
Possible Hazard Identification						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)													
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological						<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months													
Deliverable Requested: I II III IV Other (specify)						Special Instructions/QC Requirements:													
Empty Kit Relinquished by: <i>[Signature]</i>		Date: _____		Time: _____		Method of Shipment:													
Relinquished by: <i>[Signature]</i>		Date/Time: <i>7-21-23 1245</i>		Company: <i>Ramboll</i>		Received by: <i>[Signature]</i>		Date/Time: <i>7-21-23 1245</i>		Company: <i>Eurofins</i>									
Relinquished by: <i>[Signature]</i>		Date/Time: <i>7-21-23 1700</i>		Company: <i>Eurofins</i>		Received by: <i>[Signature]</i>		Date/Time: <i>7/22/23 900</i>		Company: <i>Eurofins</i>									
Relinquished by: _____		Date/Time: _____		Company: _____		Received by: _____		Date/Time: _____		Company: _____									
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No. _____		Cooler Temperature(s) °C and Other Remarks:															

Page 187 of 188

8/29/2023 (Rev. 1)



Login Sample Receipt Checklist

Client: Ramboll US Corporation

Job Number: 500-237064-1

SDG Number:

Login Number: 237064

List Number: 1

Creator: Hernandez, Stephanie

List Source: Eurofins Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.0
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Ramboll US Corporation

Job Number: 500-237064-1

SDG Number:

Login Number: 237064

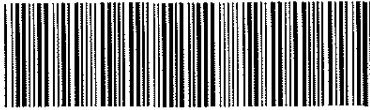
List Number: 2

Creator: Fisher, Jamyiah L

List Source: Eurofins Sacramento

List Creation: 07/24/23 11:01 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	2330336/2330337
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	4.1
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



500-237064 Field Sheet

Tracking # 6578-9771-0548

Job. _____

SO / PO / FO / ~~SAT~~ / 2-Day / Ground / UPS / CDO / Courier
GSO / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal Cooler Custody Seal, Temperature & corrected Temperature & other observations.
File in the job folder with the COC

Therm ID L-09 Corr Factor (+/-) 0 °C

Ice Wet Gel _____ Other _____

Cooler Custody Seal: 233037

Cooler ID 1082

Temp Observed 41 °C Corrected 41 °C
From Temp Blank Sample

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cooler Temperature is acceptable?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Frozen samples show signs of thaw?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Initials <u>SH</u> Date <u>7/22/23</u>			

Unpacking/Labeling The Samples	Yes	No	NA
COC is complete w/o discrepancies?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Samples compromised/tampered with?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Containers are not broken or leaking?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample custody seal?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Sample containers have legible labels?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample date/times are provided?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Appropriate containers are used?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample bottles are completely filled?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample preservatives verified?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Is the Field Sampler's name on COC?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Samples require splitting/compositing?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Samples w/o discrepancies?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Zero headspace?*	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Alkalinity has no headspace?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Perchlorate has headspace? (Methods 314 331 6850)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Multiphasic samples are not present?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials SH Date 7/24/23

Notes _____

Trizma Lot #(s) _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Samples received within hold time?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
NCM Filed?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Log Release checked in TALS?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Initials SE Date 7/24/23



Place Field Sheet Label Here

Tracking # 6578-9771-0559

Job _____

SO / PO / FO / ~~SAT~~ / 2-Day / Ground / UPS / CDO / Courier
GSO / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal Cooler Custody Seal, Temperature & corrected Temperature & other observations.
File in the job folder with the COC.

Therm. ID: <u>L-09</u> Corr Factor (+/-) <u>0</u> °C	Notes _____ _____ _____ _____ _____ _____ _____ _____ _____ _____	
Ice <input checked="" type="checkbox"/> Wet <input checked="" type="checkbox"/> Gel _____ Other _____		
Cooler Custody Seal. <u>2330336</u>		
Cooler ID <u>2052</u>		
Temp Observed <u>21</u> °C Corrected <u>21</u> °C From Temp Blank <input type="checkbox"/> Sample <input checked="" type="checkbox"/>		
Opening/Processing The Shipment Yes No NA		
Cooler compromised/tampered with? <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>		
Cooler Temperature is acceptable? <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		
Frozen samples show signs of thaw? <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>		
Initials <u>JL</u> Date <u>7/22/23</u>		
Unpacking/Labeling The Samples Yes No NA	Trizma Lot #(s) _____ _____ _____	
COC is complete w/o discrepancies? <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		
Samples compromised/tampered with? <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>		
Containers are not broken or leaking? <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		
Sample custody seal? <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>		
Sample containers have legible labels? <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		
Sample date/times are provided? <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		
Appropriate containers are used? <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		
Sample bottles are completely filled? <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		
Sample preservatives verified? <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>		
Is the Field Sampler's name on COC? <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Login Completion Yes No NA	
Samples require splitting/compositing? <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>		Receipt Temperature on COC? <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Samples w/o discrepancies? <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		Samples received within hold time? <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Zero headspace?* <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>		NCM Filed? <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>
Alkalinity has no headspace? <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>		Log Release checked in TALS? <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Perchlorate has headspace? (Methods 314, 331 6850) <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	Initials <u>JF</u> Date <u>7/24/23</u>	
Multiphasic samples are not present? <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Isotope Dilution Summary

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Method: 537 (modified) - Fluorinated Alkyl Substances

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Isotope Dilution Recovery (Acceptance Limits)							
		PFBA (25-150)	PFPeA (25-150)	PFHxA (25-150)	C4PFHA (25-150)	PFOA (25-150)	PFNA (25-150)	PFDA (25-150)	PFUnA (25-150)
500-237064-1	MW-201	63	84	87	85	95	89	91	90
500-237064-2	MW-204	65	80	86	91	98	93	94	97
500-237064-3	EB-01	105	108	102	110	105	108	113	119
500-237064-4	FB-01	105	109	103	106	107	110	111	115
500-237064-5	PZ-206	85	100	99	102	100	104	104	104
500-237064-6	MW-213	52	68	79	85	94	92	89	84
500-237064-7	MW-213 DUP	52	72	81	83	96	88	92	90
500-237064-10	PZ-214	73	94	96	101	103	105	103	107
500-237064-14	EB-03	98	101	96	99	103	102	104	107
500-237064-15	FB-03	103	103	100	104	101	106	110	114
500-237064-16	MW-48	66	81	89	89	98	92	91	84
500-237064-16 - DL	MW-48					101			
500-237064-23	MW-12	33	59	83	92	101	118	125	114
500-237064-23 MS	MW-12	33	69	90	102	113	121	135	127
500-237064-23 MSD	MW-12	23 *5-	63	88	103	108	127	137	133
500-237064-24	MW-9	42	67	88	94	107	124	137	168 *5+
500-237064-24 - RA	MW-9								
500-237064-25	MW-9 DUP	46	69	84	92	106	119	127	
500-237064-25 - RA	MW-9 DUP								144
500-237064-26	EB-05	95	105	100	102	103	106	103	110
500-237064-27	FB-05	103	106	104	105	103	108	110	112
500-237064-29	AMEC_MW-14	66	88	90	91	99	91	86	74
500-237064-29 - RE	AMEC_MW-14								
500-237064-30	AMEC_MW-15	50	76	84	89	102	95	97	94
500-237064-31	AMEC_MW-16	52	73	84	91		98	97	100
500-237064-31 - DL	AMEC_MW-16					97			
500-237064-32	AMEC_MW-16A	81	97	99	103	101	100	102	104
500-237064-33	AMEC_MW-17	83	97	98	99	105	101	102	104
500-237064-35	MW-200	88	95	97	96	102	97	97	96
500-237064-36	PZ-200	86	98	100	102	101	105	104	104
500-237064-37	MW-209	73	93	96	97	106	101	103	106
500-237064-38	MW-209 DUP	75	90	95	96	107	101	99	102
500-237064-40	MW-226	97	102	96	102	105	102	104	107
500-237064-40 MS	MW-226	103	110	104	105	108	108	108	111
500-237064-40 MSD	MW-226	98	107	102	102	107	105	107	107
500-237064-41	PZ-226	95	105	103	108	105	104	106	110
500-237064-42	MW-235	85	90	82	78	83	77	66	50
500-237064-43	MW-236	75	92	92	99	100	96	87	71
500-237064-44	EB-02	100	101	100	104	105	106	105	112
500-237064-45	EB-04	116	122	116	117	117	122	120	112
500-237064-46	EB-06	115	118	118	123	109	115	118	113
500-237064-47	FB-02	111	109	110	115	117	113	119	111
500-237064-48	FB-04	109	117	115	121	112	116	120	120
500-237064-49	FB-06	112	122	117	117	115	117	119	112
LCS 320-693847/2-A	Lab Control Sample	104	104	104	107	107	106	108	113
LCS 320-693849/2-A	Lab Control Sample	108	107	103	107	108	106	110	115
LCS 320-694112/2-A	Lab Control Sample	116	121	124	129	121	122	125	114
LCS 320-695760/2-A	Lab Control Sample	93	94	94	101	98	93	94	99
LCSD 320-694112/3-A	Lab Control Sample Dup	109	112	116	126	119	119	118	111

Isotope Dilution Summary

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Matrix: Water

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFBA (25-150)	PFPeA (25-150)	PFHxA (25-150)	C4PFHA (25-150)	PFOA (25-150)	PFNA (25-150)	PFDA (25-150)	PFUnA (25-150)
MB 320-693847/1-A	Method Blank	98	100	97	101	102	103	107	110
MB 320-693849/1-A	Method Blank	106	108	105	105	111	112	118	121
MB 320-694112/1-A	Method Blank	110	113	122	120	114	120	124	116
MB 320-695760/1-A	Method Blank	105	103	103	115	106	116	119	108

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFDoA (25-150)	PFTDA (25-150)	C3PFBS (25-150)	PFHxS (25-150)	PFOS (25-150)	PFOSA (10-150)	d3NMFOS (25-150)	d5NEFOS (25-150)
500-237064-1	MW-201	79	76	86	88	88	109	96	98
500-237064-2	MW-204	85	81	92	96	98	117	106	107
500-237064-3	EB-01	112	108	110	114	115	129	129	133
500-237064-4	FB-01	110	110	107	107	112	130	129	135
500-237064-5	PZ-206	98	99	98	99	99	126	119	116
500-237064-6	MW-213	63	48	83	87	87	104	83	83
500-237064-7	MW-213 DUP	67	53	83	84	86	105	89	86
500-237064-10	PZ-214	97	97	95	96	100	124	110	109
500-237064-14	EB-03	105	105	100	100	101	121	116	121
500-237064-15	FB-03	105	103	99	104	105	122	126	124
500-237064-16	MW-48	69	68	87	91	89	110	92	87
500-237064-16 - DL	MW-48								
500-237064-23	MW-12	95	56	94	110	109	127	121	123
500-237064-23 MS	MW-12	107	64	98	116	114	122	115	122
500-237064-23 MSD	MW-12	112	60	99	117	122	131	114	121
500-237064-24	MW-9	161 *5+		147	155 *5+	160 *5+	136	99	127
500-237064-24 - RA	MW-9		142						
500-237064-25	MW-9 DUP	148	147	135	147	143	128	102	125
500-237064-25 - RA	MW-9 DUP								
500-237064-26	EB-05	107	111	102	104	110	124	113	115
500-237064-27	FB-05	110	110	109	106	111	128	127	130
500-237064-29	AMEC_MW-14	46		89	83	65	103	83	66
500-237064-29 - RE	AMEC_MW-14		84						
500-237064-30	AMEC_MW-15	89	82	96	89	95	118	109	112
500-237064-31	AMEC_MW-16	95	90	90	98	101	124	103	115
500-237064-31 - DL	AMEC_MW-16								
500-237064-32	AMEC_MW-16A	99	94	101	101	107	131	125	124
500-237064-33	AMEC_MW-17	97	98	101	103	105	128	120	123
500-237064-35	MW-200	91	88	98	100	103	125	109	111
500-237064-36	PZ-200	95	96	105	108	109	133	122	121
500-237064-37	MW-209	100	98	99	98	105	127	116	120
500-237064-38	MW-209 DUP	94	91	96	96	99	129	117	117
500-237064-40	MW-226	101	102	105	105	108	127	120	118
500-237064-40 MS	MW-226	109	113	116	114	119	133	121	126
500-237064-40 MSD	MW-226	103	106	110	112	112	128	113	120
500-237064-41	PZ-226	108	107	106	103	112	133	122	128
500-237064-42	MW-235	40	46	84	81	71	88	58	50
500-237064-43	MW-236	37	21 *5-	96	93	94	104	74	56
500-237064-44	EB-02	104	93	103	104	106	119	119	122
500-237064-45	EB-04	114	100	115	109	113	116	123	124
500-237064-46	EB-06	106	93	115	119	116	118	120	119
500-237064-47	FB-02	111	93	117	117	109	115	123	125
500-237064-48	FB-04	105	92	111	108	108	113	122	128

Eurofins Chicago

Isotope Dilution Summary

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Matrix: Water

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFDoA (25-150)	PFTDA (25-150)	C3PFBS (25-150)	PFHxS (25-150)	PFOS (25-150)	PFOSA (10-150)	d3NMFOS (25-150)	d5NEFOS (25-150)
500-237064-49	FB-06	99	82	112	119	112	113	114	117
LCS 320-693847/2-A	Lab Control Sample	110	106	110	110	112	125	122	130
LCS 320-693849/2-A	Lab Control Sample	114	115	109	110	110	128	130	127
LCS 320-694112/2-A	Lab Control Sample	110	93	120	127	117	117	129	120
LCS 320-695760/2-A	Lab Control Sample	92	96	97	92	98	104	108	95
LCSD 320-694112/3-A	Lab Control Sample Dup	115	95	113	119	111	112	123	123
MB 320-693847/1-A	Method Blank	102	100	106	104	107	123	126	123
MB 320-693849/1-A	Method Blank	117	118	112	111	117	136	139	142
MB 320-694112/1-A	Method Blank	111	103	114	118	112	115	126	123
MB 320-695760/1-A	Method Blank	114	110	107	110	117	129	144	142

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	dMeFOSA (10-150)	dEtFOSA (10-150)	NMFm (10-150)	NEFM (10-150)	M242FTS (25-150)	M262FTS (25-150)	M282FTS (25-150)	HFPODA (25-150)
500-237064-1	MW-201	82	79	87	77	87	74	75	83
500-237064-2	MW-204	87	80	92	85	97	92	84	86
500-237064-3	EB-01	101	99	118	110	93	95	94	101
500-237064-4	FB-01	102	102	124	116	90	87	94	100
500-237064-5	PZ-206	93	92	108	97	82	81	82	98
500-237064-6	MW-213	60	51	62	49	92	92	91	82
500-237064-7	MW-213 DUP	63	53	64	52	86	93	86	82
500-237064-10	PZ-214	101	94	104	98	86	83	84	99
500-237064-14	EB-03	96	99	119	112	87	81	81	98
500-237064-15	FB-03	86	86	115	107	88	90	89	98
500-237064-16	MW-48	73	70	75	68	97	80	76	86
500-237064-16 - DL	MW-48								
500-237064-23	MW-12	84	77	79	66	124	134	154 *5+	95
500-237064-23 MS	MW-12	89	76	83	68	125	138	171 *5+	105
500-237064-23 MSD	MW-12	95	85	91	71	118	153 *5+	183 *5+	89
500-237064-24	MW-9					139	159 *5+	153 *5+	110
500-237064-24 - RA	MW-9	145	148	147	148				
500-237064-25	MW-9 DUP	141			150	130	148	132	106
500-237064-25 - RA	MW-9 DUP		134	132					
500-237064-26	EB-05	100	101	121	111	75	73	78	100
500-237064-27	FB-05	100	103	125	113	84	87	86	99
500-237064-29	AMEC_MW-14	47	32	24	12	80	74	64	87
500-237064-29 - RE	AMEC_MW-14								
500-237064-30	AMEC_MW-15	87	84	90	85	111	117	101	85
500-237064-31	AMEC_MW-16	90	86	102	99	89	86	81	84
500-237064-31 - DL	AMEC_MW-16								
500-237064-32	AMEC_MW-16A	102	102	107	99	79	81	84	95
500-237064-33	AMEC_MW-17	94	90	108	98	85	85	81	93
500-237064-35	MW-200	90	83	99	91	75	77	82	90
500-237064-36	PZ-200	105	100	105	94	87	87	85	95
500-237064-37	MW-209	97	93	106	100	92	89	87	90
500-237064-38	MW-209 DUP	96	89	103	96	89	89	85	92
500-237064-40	MW-226	97	92	114	108	84	86	83	97
500-237064-40 MS	MW-226	96	95	118	115	93	89	87	101
500-237064-40 MSD	MW-226	91	89	107	104	88	85	83	99
500-237064-41	PZ-226	107	101	114	105	91	84	85	102
500-237064-42	MW-235	41	38	45	39	59	56	47	78

Eurofins Chicago

Isotope Dilution Summary

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Isotope Dilution Recovery (Acceptance Limits)							
		dMeFOSA (10-150)	dEtFOSA (10-150)	NMFM (10-150)	NEFM (10-150)	M242FTS (25-150)	M262FTS (25-150)	M282FTS (25-150)	HFPODA (25-150)
500-237064-43	MW-236	34	24	28	19	87	82	67	91
500-237064-44	EB-02	95	93	112	105	85	83	85	99
500-237064-45	EB-04	97	97	111	109	109	119	119	120
500-237064-46	EB-06	98	99	106	101	126	120	107	106
500-237064-47	FB-02	97	94	101	101	121	116	116	108
500-237064-48	FB-04	89	95	105	99	115	108	109	112
500-237064-49	FB-06	81	82	97	92	119	114	114	112
LCS 320-693847/2-A	Lab Control Sample	96	96	118	110	100	88	94	100
LCS 320-693849/2-A	Lab Control Sample	110	104	128	121	93	91	92	103
LCS 320-694112/2-A	Lab Control Sample	95	101	107	106	116	111	117	116
LCS 320-695760/2-A	Lab Control Sample	80	86	95	93	101	99	88	92
LCSD 320-694112/3-A	Lab Control Sample Dup	90	96	114	103	108	112	111	117
MB 320-693847/1-A	Method Blank	98	98	116	107	92	92	92	101
MB 320-693849/1-A	Method Blank	110	108	132	125	96	95	96	106
MB 320-694112/1-A	Method Blank	90	92	104	102	113	122	123	106
MB 320-695760/1-A	Method Blank	107	110	114	122	105	99	109	105

Surrogate Legend

- PFBA = 13C4 PFBA
- PFPeA = 13C5 PFPeA
- PFHxA = 13C2 PFHxA
- C4PFHA = 13C4 PFHpA
- PFOA = 13C4 PFOA
- PFNA = 13C5 PFNA
- PFDA = 13C2 PFDA
- PFUnA = 13C2 PFUnA
- PFDoA = 13C2 PFDoA
- PFTDA = 13C2 PFTeDA
- C3PFBS = 13C3 PFBS
- PFHxS = 18O2 PFHxS
- PFOS = 13C4 PFOS
- PFOSA = 13C8 FOSA
- d3NMFOA = d3-NMeFOA
- d5NEFOA = d5-NEtFOA
- dMeFOA = d-N-MeFOA-M
- dEtFOA = d-N-EtFOA-M
- NMFM = d7-N-MeFOSE-M
- NEFM = d9-N-EtFOSE-M
- M242FTS = M2-4:2 FTS
- M262FTS = M2-6:2 FTS
- M282FTS = M2-8:2 FTS
- HFPODA = 13C3 HFPO-DA

From: Paul Lindquist <PLINDQUIST@ramboll.com>
Sent: Tuesday, September 19, 2023 4:43 PM
To: Adam Tegen
Cc: Beggs, Tauren R - DNR; Kristin Jones (Kristin.Jones@newellco.com); Witte, Edward
Subject: NR 716.14 Data Transmittal BRRTS #: 02-36-545108 (MIRRO PLT 9 [Former] - LGU)
Attachments: NR 716.14 Data Transmittal_City of Manitowoc_09 19 2023.pdf

Good afternoon Adam,

Attached for your records is a copy of the data transmittal letter for the July 2023 groundwater sampling activities completed as part of the site investigation of the former Mirro Plant No. 9 facility (BRRTS #02-36-545108) located at 1512 Washington Street in Manitowoc, WI. Please note, the groundwater analytical data has been provided to the WDNR.

Thanks and have a great rest of your day.

Paul Lindquist

Managing Consultant
1692722 - Great Lakes

D +1 262-901-3510
plindquist@ramboll.com

Connect with us 

Ramboll
234 W. Florida Street
Fifth Floor
Milwaukee, WI 53204
USA
<https://ramboll.com>

Classification: Confidential

Sent via E-Mail

Mr. Adam Tegen
Community Development Director
City of Manitowoc
900 Quay Street
Manitowoc, WI 54220

**NR 716.14 DATA TRANSMITTAL
JULY 2023 GROUNDWATER ANALYTICAL RESULTS
FORMER MIRRO PLANT NO. 9 FACILITY
1512 WASHINGTON STREET, MANITOWOC, WISCONSIN
WDNR BRRTS NO. 02-36-545108**

Dear Mr. Tegen:

Ramboll Americas Engineering Solutions, Inc. (Ramboll¹), on behalf of Newell Operating Company (NOC), is providing the City of Manitowoc with the attached analytical results for the July 2023 groundwater sampling event completed at 1512 Washington Street (former Mirro Plant No. 9 site) in Manitowoc, Wisconsin. The groundwater samples were collected between July 18 and July 21, 2023, in accordance with the approved Additional Site Investigation Work Plan submitted to the Wisconsin Department of Natural Resources (WDNR) on June 6, 2022, and approved on July 12, 2022. The analytical results from these activities will also be provided to Tauren Beggs, the project-specific project manager at the WDNR. A figure showing the monitoring well locations is attached along with draft tabulated results (Attachment A) and the laboratory analytical report (Attachment B).

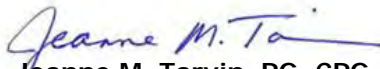
If you have any questions, please feel free to contact us at the numbers listed below.

Yours sincerely,



Paul D. Lindquist
Managing Consultant

D +1 262 901 3510
plindquist@ramboll.com



Jeanne M. Tarvin, PG, CPG
E&H Americas Country Market Director

D +1 262 901 0085
jtarvin@ramboll.com

cc: Tauren Beggs, WDNR
Kristin Jones, NOC
Edward Witte, Godfrey & Kahn, S.C.

September 19, 2023

Ramboll
234 W. Florida Street
Fifthe Floor
Milwaukee, WI 53204
USA

T +1 414 837 3607
F +1 414 837 3608
www.ramboll.com

Ref. 1690019647

¹ Effective September 1, 2023, all employees and projects of Ramboll US Consulting, Inc. were consolidated into our sister operations entity, Ramboll Americas Engineering Solutions, Inc.

ATTACHMENT A

TABLE AND FIGURE

Table 1: July 2023 Groundwater Analytical Results

Figure 1: Site Layout and Monitoring Well Network

Table 1. July 2023 Groundwater Analytical Results - PFAS

Former Mirro Plant No. 9
1512 Washington Street, Manitowoc, WI 54220
FID No.: 436033730 BRRS No.: 02-36-545108

DRAFT

Table with 30 columns for PFAS compounds and 2 columns for Polyfluoroalkyl ether sulfonic acid (PFESA). Columns include Fluorotelomer sulfonic acid (FTSA), Perfluoroalkane sulfonamides (FASA) and derivatives, Perfluoroalkane sulfonic acid (PFSA), and Perfluoroalkyl carboxylic acid (PFCA). Rows list sample locations (e.g., AECOM MW-19, AMEC MW-14) and their corresponding analytical results with units and flags.

Bold is equal to or greater than WI DHS Recommended Groundwater ES
Underlined is equal to or greater than WI DHS Recommended Groundwater PAL
Gray Text analyte not detected

See page 3 for additional footnotes.

Screening Levels:
Recommended PAL and ES from WI DHS developed groundwater standard recommendations.
(https://www.dhs.wisconsin.gov/water/gws-cycle10.htm)
(https://www.dhs.wisconsin.gov/water/gws-cycle11.htm)





- MONITORING WELL
- PIEZOMETER
- TEMPORARY MONITORING POINT
- STORM WATER TUNNEL/LINE (APPROXIMATE) - FORMER SHERMAN CREEK
- PROPERTY BOUNDARY
- PARCEL BOUNDARY



SITE LAYOUT AND EXISTING MONITORING WELL NETWORK

FIGURE 1





ATTACHMENT B
LABORATORY ANALYTICAL REPORT



ANALYTICAL REPORT

PREPARED FOR

Attn: Paul Lindquist
Ramboll US Corporation
234 W. Florida Street
Fifth Floor
Milwaukee, Wisconsin 53204

Generated 8/29/2023 9:02:12 AM Revision 1

JOB DESCRIPTION

Former Mirro Plant No 9 - 1690019647

JOB NUMBER

500-237064-1

Eurofins Chicago

Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of Eurofins Environment Testing North Central, LLC and its client. All questions regarding this report should be directed to the Eurofins Environment Testing North Central, LLC Project Manager who has signed this report.

Results relate only to the items tested and the sample(s) as received by the laboratory. The results, detection limits (LOD) and Quantitation Limits (LOQ) have been adjusted for sample dilutions and/or solids content.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Chicago Project Manager.

Authorization



Generated
8/29/2023 9:02:12 AM
Revision 1

Authorized for release by
Sandie Fredrick, Project Manager II
Sandra.Fredrick@et.eurofinsus.com
(920)261-1660

Table of Contents

Cover Page	1
Table of Contents	3
Case Narrative	4
Detection Summary	7
Method Summary	16
Sample Summary	17
Client Sample Results	18
Definitions	125
QC Association	126
Surrogate Summary	130
QC Sample Results	131
Chronicle	167
Certification Summary	176
Chain of Custody	177
Receipt Checklists	188
Field Data Sheets	190
Isotope Dilution Summary	192



Case Narrative

Client: Ramboll US Corporation
Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Job ID: 500-237064-1

Laboratory: Eurofins Chicago

Narrative

**Job Narrative
500-237064-1**

Revision

The report being provided is a revision of the original report sent on 8/23/2023. The report (revision 1) is being revised due to: Revised report to correct sample ID and add missing sample times.

Receipt

The samples were received on 7/22/2023 9:50 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 3.0° C and 4.1° C.

GC/MS VOA

Method 8260B: Reanalysis of the following sample was performed outside of the analytical holding time : MW-209 (500-237064-37).

Method 8260B: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-213 (500-237064-6), MW-213 DUP (500-237064-7), MW-5 (500-237064-18), MW-15 (500-237064-22) and MW-121 (500-237064-34). Elevated reporting limits (RLs) are provided.

Method 8260B: Methylene chloride was detected in the following items: EB-06 (500-237064-46). Methylene chloride is a known lab contaminant; therefore all low level detects for this compound could be suspected as lab contamination.

Method 8260B: The method blank for analytical batch 500-725914 contained Toluene above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.(MB 500-725914/6)

Method 8260B: The following sample was analyzed past hold for Naphtalene due to sample carryover. MW-209 (500-237064-37)

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

LCMS

Method 537 (modified): The "I" qualifier means the transition mass ratio for the indicated analyte was above the established ratio limits. The qualitative identification of the analyte has some degree of uncertainty, and the reported value may have some high bias. However, analyst judgment was used to positively identify the analyte. MW-201 (500-237064-1) and AMEC_MW-14 (500-237064-29)

Method 537 (modified): The "I" qualifier means the transition mass ratio for the indicated analyte was above the established ratio limits. The qualitative identification of the analyte has some degree of uncertainty, and the reported value may have some high bias. However, analyst judgment was used to positively identify the analyte. MW-209 (500-237064-37) and MW-236 (500-237064-43)

Method 537 (modified): Isotope Dilution Analyte (IDA) recovery is above the method recommended limit for the following samples: MW-9 (500-237064-24) and MW-9 DUP (500-237064-25). Quantitation by isotope dilution generally precludes any adverse effect on data quality due to elevated IDA recoveries.

Method 537 (modified): Results for samples MW-48 (500-237064-16) and AMEC_MW-16 (500-237064-31) were reported from the analysis of a diluted extract due to high concentration of the target analyte in the analysis of the undiluted extract. The dilution factor was applied to the labeled internal standard area counts and these area counts were within acceptance limits

Method 537 (modified): Isotope Dilution Analyte (IDA) recovery is above the method recommended limit for the following samples: MW-12 (500-237064-23), (500-237064-A-23-B MS) and (500-237064-A-23-C MSD). Quantitation by isotope dilution generally precludes any adverse effect on data quality due to elevated IDA recoveries. The IDA were also above control limit in the 1x run.

Method 537 (modified): The Isotope Dilution Analyte (IDA) recovery associated with the following sample is below the method recommended limit: (500-237064-A-23-C MSD). Generally, data quality is not considered affected if the IDA signal-to-noise ratio is greater than 10:1, which is achieved for all IDA in the sample.

Method 537 (modified): Isotope Dilution Analyte (IDA) recovery is above the method recommended limit for the following samples: MW-12

Case Narrative

Client: Ramboll US Corporation
Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Job ID: 500-237064-1 (Continued)

Laboratory: Eurofins Chicago (Continued)

(500-237064-23), (500-237064-A-23-B MS) and (500-237064-A-23-C MSD). Quantitation by isotope dilution generally precludes any adverse effect on data quality due to elevated IDA recoveries.

Method 537 (modified): Results for samples MW-12 (500-237064-23), (500-237064-A-23-B MS) and (500-237064-A-23-C MSD) were reported from the analysis of a diluted extract due to high concentration of the target analyte in the analysis of the undiluted extract. The dilution factor was applied to the labeled internal standard area counts and these area counts were within acceptance limits

Method 537 (modified): The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 320-693847 and analytical batch 320-695039 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 537 (modified): The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 320-693847 and analytical batch 320-695039 was outside control limits. Sample matrix interference is suspected.

Method 537 (modified): The "I" qualifier means the transition mass ratio for the indicated analyte was above the established ratio limits. The qualitative identification of the analyte has some degree of uncertainty, and the reported value may have some high bias. However, analyst judgment was used to positively identify the analyte. (500-237064-A-23-B MS) and (500-237064-A-23-C MSD)

Method 537 (modified): Due to the high concentration of Perfluorobutanoic acid (PFBA) and Perfluorooctanoic acid (PFOA), the matrix spike / matrix spike duplicate (MS/MSD) for preparation batch 320-693847 and analytical batch 320-695039 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

Method 537 (modified): Isotope Dilution Analyte (IDA) recovery is above the method recommended limit for the following sample: MW-9 (500-237064-24). Quantitation by isotope dilution generally precludes any adverse effect on data quality due to elevated IDA recoveries.

Method 537 (modified): The Isotope Dilution Analyte (IDA) recovery associated with the following sample is below the method recommended limit: MW-236 (500-237064-43). Generally, data quality is not considered affected if the IDA signal-to-noise ratio is greater than 10:1, which is achieved for all IDA in the sample.

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

Organic Prep

Method 3535: The following samples in preparation batch 320-693847 were orange in color prior to extraction: MW-213 (500-237064-6) and MW-213 DUP (500-237064-7).

Method: 3535_PFC_28D

Matrix: Aqueous

Method 3535: The following samples in preparation batch 320-693847 were observed to have a thin layer of sediment present in the bottom of the bottle prior to extraction: MW-48 (500-237064-16), AMEC_MW-15 (500-237064-30) and AMEC_MW-16A (500-237064-32).

Method: 3535_PFC_28D

Matrix: Aqueous

Method 3535: The following sample contained sediment and was centrifuged at 4000RPM for 10 minutes and decanted prior to preparation: AMEC_MW-14 (500-237064-29).

Method: 3535_PFC_28D

Matrix: Aqueous

preparation batch 320-693847

Method 3535: Due to the matrix (brown and foamy), the initial volumes used for the following samples deviated from the standard procedure: MW-12 (500-237064-23), (500-237064-A-23 MS) and (500-237064-A-23 MSD). A 50x dilution was made on the samples, then they were fortified with IDA and extracted. The reporting limits (RLs) have been adjusted proportionately.

Method: 3535_PFC_28D

Matrix: Aqueous

preparation batch 320-693847

Case Narrative

Client: Ramboll US Corporation
Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Job ID: 500-237064-1 (Continued)

Laboratory: Eurofins Chicago (Continued)

Method 3535: The following samples in preparation batch 320-693849 were observed to have a thin layer of sediment present in the bottom of the bottle prior to extraction: MW-200 (500-237064-35) and MW-235 (500-237064-42).

Method: 3535_PFC_28D

Matrix: Aqueous

Method 3535: The following sample was centrifuged at 4000RPM for 10 minutes and decanted prior to preparation because it contained sediment and was orange in color: MW-236 (500-237064-43).

Method: 3535_PFC_28D

Matrix: Aqueous

Method 3535: Due to the matrix (sediment), the initial volume used for the following samples deviated from the standard procedure: MW-226 (500-237064-40), (500-237064-A-40 MS) and (500-237064-A-40 MSD). A 5x dilution was made on the samples, then fortified with IDA and extracted. The reporting limits (RLs) have been adjusted proportionately.

Method: 3535_PFC_28D

Matrix: Aqueous

preparation batch 320-693849

Method 3535: During the solid phase extraction process, the following samples contained non-settleable particulates which clogged the solid phase extraction column: MW-213 (500-237064-6) and MW-213 DUP (500-237064-7).

Method: 3535_PFC_28D

Matrix: Aqueous

preparation batch 320-693847

Method 3535: During the solid phase extraction process, the following sample contained non-settleable particulates which clogged the solid phase extraction column: preparation batch 320-693849 MW-235 (500-237064-42).

Method: 3535_PFC_28D

Matrix: Aqueous

Method 3535: The following samples in preparation batch 320-693847 were light yellow following concentration: MW-12 (500-237064-23), MW-9 (500-237064-24), MW-9 DUP (500-237064-25), (500-237064-A-23 MS) and (500-237064-A-23 MSD).

Method: 3535_PFC_28D

Matrix: Aqueous

Method 3535: Due to the matrix (brown and foamy), the initial volumes used for the following samples deviated from the standard procedure: MW-9 (500-237064-24) and MW-9 DUP (500-237064-25). A 25x dilution was made on the samples, then they were fortified with IDA and extracted. The reporting limits (RLs) have been adjusted proportionately.

Method: 3535_PFC_28D

Matrix: Aqueous

preparation batch 320-693847

Method 3535: The following samples in preparation batch 320-695760 were observed to have a thin layer of sediment present in the bottom of the bottle prior to extraction. AMEC_MW-14 (500-237064-29)

Method: 3535_PFC_28D

Matrix: Aqueous

Method 3535: Due to the potential for high analyte concentration, the initial volume used for the following sample deviated from the standard procedure: AMEC_MW-14 (500-237064-29). A 10x dilution was made on the sample, then fortified with IDA and extracted. The reporting limits (RLs) have been adjusted proportionately.

Method: 3535_PFC_28D

Matrix: Aqueous

preparation batch 320-695760

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

Detection Summary

Client: Ramboll US Corporation
Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-201

Lab Sample ID: 500-237064-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	25		4.7	2.2	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	55		1.9	0.46	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	54		1.9	0.54	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	13		1.9	0.23	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	210		1.9	0.79	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	0.25	J	1.9	0.25	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	2.7		1.9	0.19	ng/L	1		537 (modified)	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	0.35	J	1.9	0.28	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	6.8		1.9	0.53	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	4.2	I	1.9	0.50	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MW-204

Lab Sample ID: 500-237064-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	12		4.6	2.2	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	7.7		1.9	0.45	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	15		1.9	0.54	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	8.9		1.9	0.23	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	92		1.9	0.79	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	0.65	J	1.9	0.25	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	0.43	J	1.9	0.29	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	2.4		1.9	0.19	ng/L	1		537 (modified)	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	1.4	J	1.9	0.28	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	82		1.9	0.53	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanesulfonic acid (PFHpS)	0.55	J	1.9	0.18	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	19		1.9	0.50	ng/L	1		537 (modified)	Total/NA

Client Sample ID: EB-01

Lab Sample ID: 500-237064-3

No Detections.

Client Sample ID: FB-01

Lab Sample ID: 500-237064-4

No Detections.

Client Sample ID: PZ-206

Lab Sample ID: 500-237064-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoropentanoic acid (PFPeA)	0.82	J	1.9	0.46	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	1.0	J	1.9	0.54	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.70	J	1.9	0.23	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	2.6		1.9	0.80	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MW-213

Lab Sample ID: 500-237064-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	74		0.50	0.18	ug/L	1		8260B	Total/NA
Isopropylbenzene	55		1.0	0.39	ug/L	1		8260B	Total/NA
Naphthalene	100		1.0	0.34	ug/L	1		8260B	Total/NA
N-Propylbenzene	74		1.0	0.41	ug/L	1		8260B	Total/NA
p-Isopropyltoluene	26		1.0	0.36	ug/L	1		8260B	Total/NA
sec-Butylbenzene	21		1.0	0.40	ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Euofins Chicago

Detection Summary

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-213 (Continued)

Lab Sample ID: 500-237064-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
tert-Butylbenzene	7.5		1.0	0.40	ug/L	1		8260B	Total/NA
Toluene	0.29	J	0.50	0.15	ug/L	1		8260B	Total/NA
Xylenes, Total	180		1.0	0.22	ug/L	1		8260B	Total/NA
1,2,4-Trimethylbenzene - DL	610		10	3.6	ug/L	10		8260B	Total/NA
1,3,5-Trimethylbenzene - DL	230		10	2.5	ug/L	10		8260B	Total/NA
Perfluoropentanoic acid (PFPeA)	4.2		1.9	0.46	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	11		1.9	0.55	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	22		1.9	0.24	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	350		1.9	0.81	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	0.32	J	1.9	0.26	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	1.2	J	1.9	0.19	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	1.7	J	1.9	0.54	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	3.5		1.9	0.51	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MW-213 DUP

Lab Sample ID: 500-237064-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	72		0.50	0.18	ug/L	1		8260B	Total/NA
Isopropylbenzene	57		1.0	0.39	ug/L	1		8260B	Total/NA
Naphthalene	96		1.0	0.34	ug/L	1		8260B	Total/NA
N-Propylbenzene	76		1.0	0.41	ug/L	1		8260B	Total/NA
p-Isopropyltoluene	27		1.0	0.36	ug/L	1		8260B	Total/NA
sec-Butylbenzene	21		1.0	0.40	ug/L	1		8260B	Total/NA
tert-Butylbenzene	7.7		1.0	0.40	ug/L	1		8260B	Total/NA
Xylenes, Total	180		1.0	0.22	ug/L	1		8260B	Total/NA
1,2,4-Trimethylbenzene - DL	590		10	3.6	ug/L	10		8260B	Total/NA
1,3,5-Trimethylbenzene - DL	220		10	2.5	ug/L	10		8260B	Total/NA
Perfluoropentanoic acid (PFPeA)	5.1		2.0	0.48	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	11		2.0	0.57	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	27		2.0	0.25	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	360		2.0	0.84	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	0.37	J	2.0	0.27	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	1.0	J	2.0	0.20	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	1.9	J	2.0	0.56	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	3.9		2.0	0.53	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MW-82

Lab Sample ID: 500-237064-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	0.98	J	1.0	0.34	ug/L	1		8260B	Total/NA
Trichloroethene	0.41	J	0.50	0.16	ug/L	1		8260B	Total/NA
1,2,4-Trimethylbenzene	0.52	J	1.0	0.36	ug/L	1		8260B	Total/NA

Client Sample ID: AECOM MW-19

Lab Sample ID: 500-237064-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	0.36	J	1.0	0.34	ug/L	1		8260B	Total/NA
Toluene	0.16	J	0.50	0.15	ug/L	1		8260B	Total/NA
Trichloroethene	0.84		0.50	0.16	ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Chicago

Detection Summary

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: PZ-214

Lab Sample ID: 500-237064-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid (PFHxA)	1.2	J	1.9	0.55	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	2.3		1.9	0.24	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	43		1.9	0.81	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	0.37	J	1.9	0.26	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	0.37	J	1.9	0.29	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.61	J	1.9	0.51	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MW-17

Lab Sample ID: 500-237064-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	5.8		0.50	0.16	ug/L	1		8260B	Total/NA
1,2,4-Trimethylbenzene	0.64	J	1.0	0.36	ug/L	1		8260B	Total/NA
Xylenes, Total	0.25	J	1.0	0.22	ug/L	1		8260B	Total/NA

Client Sample ID: MW-37

Lab Sample ID: 500-237064-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichlorobenzene	4.5		1.0	0.33	ug/L	1		8260B	Total/NA
1,3-Dichlorobenzene	1.4		1.0	0.40	ug/L	1		8260B	Total/NA
1,2,3-Trichlorobenzene	21		1.0	0.46	ug/L	1		8260B	Total/NA
1,2,4-Trichlorobenzene	42		1.0	0.34	ug/L	1		8260B	Total/NA
Trichloroethene	11		0.50	0.16	ug/L	1		8260B	Total/NA

Client Sample ID: MW-19

Lab Sample ID: 500-237064-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trichlorobenzene	0.62	J	1.0	0.34	ug/L	1		8260B	Total/NA
Trichloroethene	6.1		0.50	0.16	ug/L	1		8260B	Total/NA

Client Sample ID: EB-03

Lab Sample ID: 500-237064-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.30	J	0.50	0.15	ug/L	1		8260B	Total/NA
1,2,4-Trimethylbenzene	0.46	J	1.0	0.36	ug/L	1		8260B	Total/NA

Client Sample ID: FB-03

Lab Sample ID: 500-237064-15

No Detections.

Client Sample ID: MW-48

Lab Sample ID: 500-237064-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	6.9		5.2	2.5	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	2.4		2.1	0.51	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	10		2.1	0.60	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	35		2.1	0.26	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	1.9	J	2.1	0.28	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	0.37	J	2.1	0.32	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	1.3	J	2.1	0.21	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	1.5	J	2.1	0.59	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	9.6		2.1	0.56	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA) - DL	970		21	8.8	ng/L	10		537 (modified)	Total/NA

This Detection Summary does not include radiochemical test results.

Euofins Chicago

Detection Summary

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-3

Lab Sample ID: 500-237064-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.56	J	1.0	0.41	ug/L	1		8260B	Total/NA
Trichloroethene	4.4		0.50	0.16	ug/L	1		8260B	Total/NA

Client Sample ID: MW-5

Lab Sample ID: 500-237064-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1.6		0.50	0.15	ug/L	1		8260B	Total/NA
2-Chlorotoluene	38		1.0	0.31	ug/L	1		8260B	Total/NA
Ethylbenzene	41		0.50	0.18	ug/L	1		8260B	Total/NA
Isopropylbenzene	75		1.0	0.39	ug/L	1		8260B	Total/NA
Naphthalene	160		1.0	0.34	ug/L	1		8260B	Total/NA
N-Propylbenzene	100		1.0	0.41	ug/L	1		8260B	Total/NA
p-Isopropyltoluene	20		1.0	0.36	ug/L	1		8260B	Total/NA
sec-Butylbenzene	16		1.0	0.40	ug/L	1		8260B	Total/NA
tert-Butylbenzene	3.0		1.0	0.40	ug/L	1		8260B	Total/NA
Toluene	0.66		0.50	0.15	ug/L	1		8260B	Total/NA
1,3,5-Trimethylbenzene	53		1.0	0.25	ug/L	1		8260B	Total/NA
1,2,4-Trimethylbenzene - DL	990		10	3.6	ug/L	10		8260B	Total/NA
Xylenes, Total - DL	480		10	2.2	ug/L	10		8260B	Total/NA

Client Sample ID: MW-8

Lab Sample ID: 500-237064-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	1.8		1.0	0.34	ug/L	1		8260B	Total/NA
Tetrachloroethene	1.1		1.0	0.37	ug/L	1		8260B	Total/NA
Trichloroethene	0.81		0.50	0.16	ug/L	1		8260B	Total/NA
1,2,4-Trimethylbenzene	1.0		1.0	0.36	ug/L	1		8260B	Total/NA
Xylenes, Total	0.49	J	1.0	0.22	ug/L	1		8260B	Total/NA

Client Sample ID: MW-31

Lab Sample ID: 500-237064-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	0.63	J	1.0	0.34	ug/L	1		8260B	Total/NA
Trichloroethene	1.6		0.50	0.16	ug/L	1		8260B	Total/NA
1,2,4-Trimethylbenzene	0.52	J	1.0	0.36	ug/L	1		8260B	Total/NA
Xylenes, Total	0.29	J	1.0	0.22	ug/L	1		8260B	Total/NA

Client Sample ID: MW-16

Lab Sample ID: 500-237064-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	0.41	J	1.0	0.34	ug/L	1		8260B	Total/NA
Trichloroethene	0.90		0.50	0.16	ug/L	1		8260B	Total/NA

Client Sample ID: MW-15

Lab Sample ID: 500-237064-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.73		0.50	0.15	ug/L	1		8260B	Total/NA
Ethylbenzene	53		0.50	0.18	ug/L	1		8260B	Total/NA
Isopropylbenzene	53		1.0	0.39	ug/L	1		8260B	Total/NA
N-Propylbenzene	72		1.0	0.41	ug/L	1		8260B	Total/NA
p-Isopropyltoluene	52		1.0	0.36	ug/L	1		8260B	Total/NA
sec-Butylbenzene	25		1.0	0.40	ug/L	1		8260B	Total/NA
tert-Butylbenzene	8.5		1.0	0.40	ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Chicago

Detection Summary

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-15 (Continued)

Lab Sample ID: 500-237064-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	1.0	B	0.50	0.15	ug/L	1		8260B	Total/NA
Naphthalene - DL	250		10	3.4	ug/L	10		8260B	Total/NA
1,2,4-Trimethylbenzene - DL	1600		10	3.6	ug/L	10		8260B	Total/NA
1,3,5-Trimethylbenzene - DL	320		10	2.5	ug/L	10		8260B	Total/NA
Xylenes, Total - DL	470		10	2.2	ug/L	10		8260B	Total/NA

Client Sample ID: MW-12

Lab Sample ID: 500-237064-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	10000	F2	1300	600	ng/L	5		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	290	J	500	63	ng/L	5		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	8400		500	210	ng/L	5		537 (modified)	Total/NA

Client Sample ID: MW-9

Lab Sample ID: 500-237064-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	1.7		1.0	0.34	ug/L	1		8260B	Total/NA
Toluene	0.47	J B	0.50	0.15	ug/L	1		8260B	Total/NA
Trichloroethene	9.5		0.50	0.16	ug/L	1		8260B	Total/NA
1,2,4-Trimethylbenzene	0.66	J	1.0	0.36	ug/L	1		8260B	Total/NA
Xylenes, Total	0.59	J	1.0	0.22	ug/L	1		8260B	Total/NA
Perfluoroheptanoic acid (PFHpA)	160		50	6.3	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	1700		50	21	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MW-9 DUP

Lab Sample ID: 500-237064-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.15	J	0.50	0.15	ug/L	1		8260B	Total/NA
Naphthalene	0.55	J	1.0	0.34	ug/L	1		8260B	Total/NA
Toluene	0.51	B	0.50	0.15	ug/L	1		8260B	Total/NA
Trichloroethene	9.4		0.50	0.16	ug/L	1		8260B	Total/NA
Xylenes, Total	0.36	J	1.0	0.22	ug/L	1		8260B	Total/NA
Perfluoroheptanoic acid (PFHpA)	130		50	6.3	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	1600		50	21	ng/L	1		537 (modified)	Total/NA

Client Sample ID: EB-05

Lab Sample ID: 500-237064-26

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.25	J B	0.50	0.15	ug/L	1		8260B	Total/NA

Client Sample ID: FB-05

Lab Sample ID: 500-237064-27

No Detections.

Client Sample ID: TRIP BLANK

Lab Sample ID: 500-237064-28

No Detections.

Client Sample ID: AMEC_MW-14

Lab Sample ID: 500-237064-29

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	9.5		4.6	2.2	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	12		1.8	0.45	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	11		1.8	0.53	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	5.2		1.8	0.23	ng/L	1		537 (modified)	Total/NA

This Detection Summary does not include radiochemical test results.

Euofins Chicago

Detection Summary

Client: Ramboll US Corporation
Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: AMEC_MW-14 (Continued)

Lab Sample ID: 500-237064-29

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorooctanoic acid (PFOA)	120		1.8	0.78	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	2.6		1.8	0.18	ng/L	1		537 (modified)	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	0.44	J I	1.8	0.28	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	4.2		1.8	0.52	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	4.7		1.8	0.50	ng/L	1		537 (modified)	Total/NA

Client Sample ID: AMEC_MW-15

Lab Sample ID: 500-237064-30

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	17		4.5	2.2	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	11		1.8	0.44	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	8.4		1.8	0.52	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	6.6		1.8	0.23	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	220		1.8	0.77	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	3.6		1.8	0.18	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	3.1		1.8	0.51	ng/L	1		537 (modified)	Total/NA

Client Sample ID: AMEC_MW-16

Lab Sample ID: 500-237064-31

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	7.2		4.5	2.2	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	2.2		1.8	0.44	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	9.2		1.8	0.52	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	29		1.8	0.23	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	0.55	J	1.8	0.24	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	1.0	J	1.8	0.18	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	1.7	J	1.8	0.52	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA) - DL	520		9.1	3.8	ng/L	5		537 (modified)	Total/NA

Client Sample ID: AMEC_MW-16A

Lab Sample ID: 500-237064-32

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoropentanoic acid (PFPeA)	1.2	J	1.8	0.44	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	1.6	J	1.8	0.52	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	1.1	J	1.8	0.22	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	7.1		1.8	0.76	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	0.65	J	1.8	0.51	ng/L	1		537 (modified)	Total/NA

Client Sample ID: AMEC_MW-17

Lab Sample ID: 500-237064-33

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	7.4		4.5	2.2	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	1.8		1.8	0.44	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	1.5	J	1.8	0.52	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	1.9		1.8	0.23	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	52		1.8	0.77	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	0.45	J	1.8	0.24	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	2.2		1.8	0.18	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	0.90	J	1.8	0.51	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	1.6	J	1.8	0.49	ng/L	1		537 (modified)	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Chicago

Detection Summary

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-121

Lab Sample ID: 500-237064-34

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	50		0.50	0.15	ug/L	1		8260B	Total/NA
Ethylbenzene	42		0.50	0.18	ug/L	1		8260B	Total/NA
Isopropylbenzene	26		1.0	0.39	ug/L	1		8260B	Total/NA
Naphthalene	68		1.0	0.34	ug/L	1		8260B	Total/NA
n-Butylbenzene	8.0		1.0	0.39	ug/L	1		8260B	Total/NA
N-Propylbenzene	33		1.0	0.41	ug/L	1		8260B	Total/NA
p-Isopropyltoluene	6.5		1.0	0.36	ug/L	1		8260B	Total/NA
sec-Butylbenzene	4.8		1.0	0.40	ug/L	1		8260B	Total/NA
tert-Butylbenzene	0.64	J	1.0	0.40	ug/L	1		8260B	Total/NA
1,3,5-Trimethylbenzene	43		1.0	0.25	ug/L	1		8260B	Total/NA
Xylenes, Total	89		1.0	0.22	ug/L	1		8260B	Total/NA
1,2,4-Trimethylbenzene - DL	280		10	3.6	ug/L	10		8260B	Total/NA

Client Sample ID: MW-200

Lab Sample ID: 500-237064-35

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	11		4.5	2.2	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	8.0		1.8	0.44	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	7.7		1.8	0.52	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	5.5		1.8	0.23	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	73		1.8	0.77	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	17		1.8	0.18	ng/L	1		537 (modified)	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	0.56	J	1.8	0.27	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	2.8		1.8	0.51	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	3.0		1.8	0.49	ng/L	1		537 (modified)	Total/NA

Client Sample ID: PZ-200

Lab Sample ID: 500-237064-36

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	2.3	J	4.5	2.2	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	1.0	J	1.8	0.44	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	1.7	J	1.8	0.52	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	1.4	J	1.8	0.23	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	7.1		1.8	0.77	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.41	J	1.8	0.18	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MW-209

Lab Sample ID: 500-237064-37

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	0.86	J	1.0	0.36	ug/L	1		8260B	Total/NA
Perfluorobutanoic acid (PFBA)	7.8		4.5	2.1	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	2.4		1.8	0.44	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	3.7		1.8	0.52	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	5.9		1.8	0.22	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	71		1.8	0.76	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	0.44	J	1.8	0.24	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	2.9		1.8	0.18	ng/L	1		537 (modified)	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	0.47	J	1.8	0.27	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	7.9		1.8	0.51	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanesulfonic acid (PFHpS)	0.22	J I	1.8	0.17	ng/L	1		537 (modified)	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Chicago

Detection Summary

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-209 (Continued)

Lab Sample ID: 500-237064-37

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorooctanesulfonic acid (PFOS)	12		1.8	0.48	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MW-209 DUP

Lab Sample ID: 500-237064-38

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	7.8		4.6	2.2	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	2.3		1.8	0.45	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	4.0		1.8	0.53	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	5.6		1.8	0.23	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	71		1.8	0.77	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	0.39	J	1.8	0.25	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	0.30	J	1.8	0.28	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	2.8		1.8	0.18	ng/L	1		537 (modified)	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	0.46	J	1.8	0.27	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	7.9		1.8	0.52	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	13		1.8	0.49	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MW-219

Lab Sample ID: 500-237064-39

No Detections.

Client Sample ID: MW-226

Lab Sample ID: 500-237064-40

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	14	J	25	12	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	8.2	J	10	2.5	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	13		10	2.9	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	13		10	1.3	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	210		10	4.3	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	2.0	J	10	1.0	ng/L	1		537 (modified)	Total/NA

Client Sample ID: PZ-226

Lab Sample ID: 500-237064-41

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoropentanoic acid (PFPeA)	0.76	J	1.8	0.44	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	1.2	J	1.8	0.53	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.74	J	1.8	0.23	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	2.4		1.8	0.77	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	0.38	J	1.8	0.24	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MW-235

Lab Sample ID: 500-237064-42

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	100		4.4	2.1	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	51		1.8	0.43	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	25		1.8	0.51	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	7.6		1.8	0.22	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	74		1.8	0.74	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	3.7		1.8	0.18	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	1.7	J	1.8	0.50	ng/L	1		537 (modified)	Total/NA

This Detection Summary does not include radiochemical test results.

Euofins Chicago

Detection Summary

Client: Ramboll US Corporation
Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-236

Lab Sample ID: 500-237064-43

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	9.8		4.6	2.2	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	3.4		1.8	0.45	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	5.2		1.8	0.53	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	5.7		1.8	0.23	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	80		1.8	0.78	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	2.2		1.8	0.18	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	1.2	J	1.8	0.52	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	1.6	J I	1.8	0.49	ng/L	1		537 (modified)	Total/NA

Client Sample ID: EB-02

Lab Sample ID: 500-237064-44

No Detections.

Client Sample ID: EB-04

Lab Sample ID: 500-237064-45

No Detections.

Client Sample ID: EB-06

Lab Sample ID: 500-237064-46

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	1.8	J B	5.0	1.6	ug/L	1		8260B	Total/NA

Client Sample ID: FB-02

Lab Sample ID: 500-237064-47

No Detections.

Client Sample ID: FB-04

Lab Sample ID: 500-237064-48

No Detections.

Client Sample ID: FB-06

Lab Sample ID: 500-237064-49

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Chicago

Method Summary

Client: Ramboll US Corporation
Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	EET CHI
537 (modified)	Fluorinated Alkyl Substances	EPA	EET SAC
3535	Solid-Phase Extraction (SPE)	SW846	EET SAC
5030B	Purge and Trap	SW846	EET CHI

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

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

Sample Summary

Client: Ramboll US Corporation
Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-237064-1	MW-201	Water	07/18/23 14:03	07/22/23 09:50
500-237064-2	MW-204	Water	07/18/23 14:52	07/22/23 09:50
500-237064-3	EB-01	Water	07/18/23 15:25	07/22/23 09:50
500-237064-4	FB-01	Water	07/18/23 15:30	07/22/23 09:50
500-237064-5	PZ-206	Water	07/19/23 07:51	07/22/23 09:50
500-237064-6	MW-213	Water	07/19/23 08:50	07/22/23 09:50
500-237064-7	MW-213 DUP	Water	07/19/23 08:50	07/22/23 09:50
500-237064-8	MW-82	Water	07/19/23 10:00	07/22/23 09:50
500-237064-9	AECOM MW-19	Water	07/19/23 11:16	07/22/23 09:50
500-237064-10	PZ-214	Water	07/19/23 12:29	07/22/23 09:50
500-237064-11	MW-17	Water	07/19/23 13:23	07/22/23 09:50
500-237064-12	MW-37	Water	07/19/23 14:05	07/22/23 09:50
500-237064-13	MW-19	Water	07/19/23 15:00	07/22/23 09:50
500-237064-14	EB-03	Water	07/19/23 15:20	07/22/23 09:50
500-237064-15	FB-03	Water	07/19/23 15:25	07/22/23 09:50
500-237064-16	MW-48	Water	07/20/23 08:00	07/22/23 09:50
500-237064-17	MW-3	Water	07/20/23 08:50	07/22/23 09:50
500-237064-18	MW-5	Water	07/20/23 09:15	07/22/23 09:50
500-237064-19	MW-8	Water	07/20/23 09:55	07/22/23 09:50
500-237064-20	MW-31	Water	07/20/23 10:45	07/22/23 09:50
500-237064-21	MW-16	Water	07/20/23 11:45	07/22/23 09:50
500-237064-22	MW-15	Water	07/20/23 12:35	07/22/23 09:50
500-237064-23	MW-12	Water	07/20/23 13:22	07/22/23 09:50
500-237064-24	MW-9	Water	07/20/23 14:25	07/22/23 09:50
500-237064-25	MW-9 DUP	Water	07/20/23 14:25	07/22/23 09:50
500-237064-26	EB-05	Water	07/20/23 14:55	07/22/23 09:50
500-237064-27	FB-05	Water	07/20/23 15:00	07/22/23 09:50
500-237064-28	TRIP BLANK	Water	07/20/23 00:00	07/22/23 09:50
500-237064-29	AMEC_MW-14	Water	07/19/23 09:20	07/22/23 09:50
500-237064-30	AMEC_MW-15	Water	07/20/23 14:22	07/22/23 09:50
500-237064-31	AMEC_MW-16	Water	07/19/23 14:33	07/22/23 09:50
500-237064-32	AMEC_MW-16A	Water	07/19/23 15:12	07/22/23 09:50
500-237064-33	AMEC_MW-17	Water	07/20/23 09:37	07/22/23 09:50
500-237064-34	MW-121	Water	07/20/23 07:55	07/22/23 09:50
500-237064-35	MW-200	Water	07/19/23 11:24	07/22/23 09:50
500-237064-36	PZ-200	Water	07/19/23 10:50	07/22/23 09:50
500-237064-37	MW-209	Water	07/20/23 11:50	07/22/23 09:50
500-237064-38	MW-209 DUP	Water	07/20/23 11:55	07/22/23 09:50
500-237064-39	MW-219	Water	07/20/23 08:50	07/22/23 09:50
500-237064-40	MW-226	Water	07/18/23 14:15	07/22/23 09:50
500-237064-41	PZ-226	Water	07/18/23 14:56	07/22/23 09:50
500-237064-42	MW-235	Water	07/19/23 13:37	07/22/23 09:50
500-237064-43	MW-236	Water	07/19/23 12:52	07/22/23 09:50
500-237064-44	EB-02	Water	07/18/23 15:20	07/22/23 09:50
500-237064-45	EB-04	Water	07/19/23 15:27	07/22/23 09:50
500-237064-46	EB-06	Water	07/20/23 14:46	07/22/23 09:50
500-237064-47	FB-02	Water	07/18/23 15:10	07/22/23 09:50
500-237064-48	FB-04	Water	07/19/23 14:55	07/22/23 09:50
500-237064-49	FB-06	Water	07/20/23 14:34	07/22/23 09:50

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-201

Lab Sample ID: 500-237064-1

Date Collected: 07/18/23 14:03

Matrix: Water

Date Received: 07/22/23 09:50

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	25		4.7	2.2	ng/L		07/26/23 05:27	07/27/23 19:22	1
Perfluoropentanoic acid (PFPeA)	55		1.9	0.46	ng/L		07/26/23 05:27	07/27/23 19:22	1
Perfluorohexanoic acid (PFHxA)	54		1.9	0.54	ng/L		07/26/23 05:27	07/27/23 19:22	1
Perfluoroheptanoic acid (PFHpA)	13		1.9	0.23	ng/L		07/26/23 05:27	07/27/23 19:22	1
Perfluorooctanoic acid (PFOA)	210		1.9	0.79	ng/L		07/26/23 05:27	07/27/23 19:22	1
Perfluorononanoic acid (PFNA)	0.25	J	1.9	0.25	ng/L		07/26/23 05:27	07/27/23 19:22	1
Perfluorodecanoic acid (PFDA)	<0.29		1.9	0.29	ng/L		07/26/23 05:27	07/27/23 19:22	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		07/26/23 05:27	07/27/23 19:22	1
Perfluorododecanoic acid (PFDoA)	<0.51		1.9	0.51	ng/L		07/26/23 05:27	07/27/23 19:22	1
Perfluorotridecanoic acid (PFTriA)	<1.2		1.9	1.2	ng/L		07/26/23 05:27	07/27/23 19:22	1
Perfluorotetradecanoic acid (PFTeA)	<0.68		1.9	0.68	ng/L		07/26/23 05:27	07/27/23 19:22	1
Perfluorobutanesulfonic acid (PFBS)	2.7		1.9	0.19	ng/L		07/26/23 05:27	07/27/23 19:22	1
Perfluoropentanesulfonic acid (PFPeS)	0.35	J	1.9	0.28	ng/L		07/26/23 05:27	07/27/23 19:22	1
Perfluorohexanesulfonic acid (PFHxS)	6.8		1.9	0.53	ng/L		07/26/23 05:27	07/27/23 19:22	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.18		1.9	0.18	ng/L		07/26/23 05:27	07/27/23 19:22	1
Perfluorooctanesulfonic acid (PFOS)	4.2	I	1.9	0.50	ng/L		07/26/23 05:27	07/27/23 19:22	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		07/26/23 05:27	07/27/23 19:22	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		07/26/23 05:27	07/27/23 19:22	1
Perfluorododecanesulfonic acid (PFDoS)	<0.91		1.9	0.91	ng/L		07/26/23 05:27	07/27/23 19:22	1
Perfluorooctanesulfonamide (FOSA)	<0.92		1.9	0.92	ng/L		07/26/23 05:27	07/27/23 19:22	1
NEtFOSA	<0.81		1.9	0.81	ng/L		07/26/23 05:27	07/27/23 19:22	1
NMeFOSA	<0.40		1.9	0.40	ng/L		07/26/23 05:27	07/27/23 19:22	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<1.1		4.7	1.1	ng/L		07/26/23 05:27	07/27/23 19:22	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<1.2		4.7	1.2	ng/L		07/26/23 05:27	07/27/23 19:22	1
NMeFOSE	<1.3		3.7	1.3	ng/L		07/26/23 05:27	07/27/23 19:22	1
NEtFOSE	<0.79		1.9	0.79	ng/L		07/26/23 05:27	07/27/23 19:22	1
4:2 FTS	<0.22		1.9	0.22	ng/L		07/26/23 05:27	07/27/23 19:22	1
6:2 FTS	<2.3		4.7	2.3	ng/L		07/26/23 05:27	07/27/23 19:22	1
8:2 FTS	<0.43		1.9	0.43	ng/L		07/26/23 05:27	07/27/23 19:22	1
DONA	<0.37		1.9	0.37	ng/L		07/26/23 05:27	07/27/23 19:22	1
HFPO-DA (GenX)	<1.4		3.7	1.4	ng/L		07/26/23 05:27	07/27/23 19:22	1
F-53B Major	<0.22		1.9	0.22	ng/L		07/26/23 05:27	07/27/23 19:22	1
F-53B Minor	<0.30		1.9	0.30	ng/L		07/26/23 05:27	07/27/23 19:22	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	63		25 - 150	07/26/23 05:27	07/27/23 19:22	1
13C5 PFPeA	84		25 - 150	07/26/23 05:27	07/27/23 19:22	1
13C2 PFHxA	87		25 - 150	07/26/23 05:27	07/27/23 19:22	1
13C4 PFHpA	85		25 - 150	07/26/23 05:27	07/27/23 19:22	1
13C4 PFOA	95		25 - 150	07/26/23 05:27	07/27/23 19:22	1
13C5 PFNA	89		25 - 150	07/26/23 05:27	07/27/23 19:22	1
13C2 PFDA	91		25 - 150	07/26/23 05:27	07/27/23 19:22	1
13C2 PFUnA	90		25 - 150	07/26/23 05:27	07/27/23 19:22	1
13C2 PFDoA	79		25 - 150	07/26/23 05:27	07/27/23 19:22	1

Eurofins Chicago

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-201
Date Collected: 07/18/23 14:03
Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-1
Matrix: Water

Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C2 PFTeDA	76		25 - 150	07/26/23 05:27	07/27/23 19:22	1
13C3 PFBS	86		25 - 150	07/26/23 05:27	07/27/23 19:22	1
18O2 PFHxS	88		25 - 150	07/26/23 05:27	07/27/23 19:22	1
13C4 PFOS	88		25 - 150	07/26/23 05:27	07/27/23 19:22	1
13C8 FOSA	109		10 - 150	07/26/23 05:27	07/27/23 19:22	1
d3-NMeFOSAA	96		25 - 150	07/26/23 05:27	07/27/23 19:22	1
d5-NEtFOSAA	98		25 - 150	07/26/23 05:27	07/27/23 19:22	1
d-N-MeFOSA-M	82		10 - 150	07/26/23 05:27	07/27/23 19:22	1
d-N-EtFOSA-M	79		10 - 150	07/26/23 05:27	07/27/23 19:22	1
d7-N-MeFOSE-M	87		10 - 150	07/26/23 05:27	07/27/23 19:22	1
d9-N-EtFOSE-M	77		10 - 150	07/26/23 05:27	07/27/23 19:22	1
M2-4:2 FTS	87		25 - 150	07/26/23 05:27	07/27/23 19:22	1
M2-6:2 FTS	74		25 - 150	07/26/23 05:27	07/27/23 19:22	1
M2-8:2 FTS	75		25 - 150	07/26/23 05:27	07/27/23 19:22	1
13C3 HFPO-DA	83		25 - 150	07/26/23 05:27	07/27/23 19:22	1

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-204

Lab Sample ID: 500-237064-2

Date Collected: 07/18/23 14:52

Matrix: Water

Date Received: 07/22/23 09:50

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	12		4.6	2.2	ng/L		07/26/23 05:27	07/27/23 19:32	1
Perfluoropentanoic acid (PFPeA)	7.7		1.9	0.45	ng/L		07/26/23 05:27	07/27/23 19:32	1
Perfluorohexanoic acid (PFHxA)	15		1.9	0.54	ng/L		07/26/23 05:27	07/27/23 19:32	1
Perfluoroheptanoic acid (PFHpA)	8.9		1.9	0.23	ng/L		07/26/23 05:27	07/27/23 19:32	1
Perfluorooctanoic acid (PFOA)	92		1.9	0.79	ng/L		07/26/23 05:27	07/27/23 19:32	1
Perfluorononanoic acid (PFNA)	0.65	J	1.9	0.25	ng/L		07/26/23 05:27	07/27/23 19:32	1
Perfluorodecanoic acid (PFDA)	0.43	J	1.9	0.29	ng/L		07/26/23 05:27	07/27/23 19:32	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		07/26/23 05:27	07/27/23 19:32	1
Perfluorododecanoic acid (PFDoA)	<0.51		1.9	0.51	ng/L		07/26/23 05:27	07/27/23 19:32	1
Perfluorotridecanoic acid (PFTriA)	<1.2		1.9	1.2	ng/L		07/26/23 05:27	07/27/23 19:32	1
Perfluorotetradecanoic acid (PFTeA)	<0.68		1.9	0.68	ng/L		07/26/23 05:27	07/27/23 19:32	1
Perfluorobutanesulfonic acid (PFBS)	2.4		1.9	0.19	ng/L		07/26/23 05:27	07/27/23 19:32	1
Perfluoropentanesulfonic acid (PFPeS)	1.4	J	1.9	0.28	ng/L		07/26/23 05:27	07/27/23 19:32	1
Perfluorohexanesulfonic acid (PFHxS)	82		1.9	0.53	ng/L		07/26/23 05:27	07/27/23 19:32	1
Perfluoroheptanesulfonic acid (PFHpS)	0.55	J	1.9	0.18	ng/L		07/26/23 05:27	07/27/23 19:32	1
Perfluorooctanesulfonic acid (PFOS)	19		1.9	0.50	ng/L		07/26/23 05:27	07/27/23 19:32	1
Perfluorononanesulfonic acid (PFNS)	<0.34		1.9	0.34	ng/L		07/26/23 05:27	07/27/23 19:32	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		07/26/23 05:27	07/27/23 19:32	1
Perfluorododecanesulfonic acid (PFDoS)	<0.90		1.9	0.90	ng/L		07/26/23 05:27	07/27/23 19:32	1
Perfluorooctanesulfonamide (FOSA)	<0.91		1.9	0.91	ng/L		07/26/23 05:27	07/27/23 19:32	1
NEtFOSA	<0.81		1.9	0.81	ng/L		07/26/23 05:27	07/27/23 19:32	1
NMeFOSA	<0.40		1.9	0.40	ng/L		07/26/23 05:27	07/27/23 19:32	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<1.1		4.6	1.1	ng/L		07/26/23 05:27	07/27/23 19:32	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<1.2		4.6	1.2	ng/L		07/26/23 05:27	07/27/23 19:32	1
NMeFOSE	<1.3		3.7	1.3	ng/L		07/26/23 05:27	07/27/23 19:32	1
NEtFOSE	<0.79		1.9	0.79	ng/L		07/26/23 05:27	07/27/23 19:32	1
4:2 FTS	<0.22		1.9	0.22	ng/L		07/26/23 05:27	07/27/23 19:32	1
6:2 FTS	<2.3		4.6	2.3	ng/L		07/26/23 05:27	07/27/23 19:32	1
8:2 FTS	<0.43		1.9	0.43	ng/L		07/26/23 05:27	07/27/23 19:32	1
DONA	<0.37		1.9	0.37	ng/L		07/26/23 05:27	07/27/23 19:32	1
HFPO-DA (GenX)	<1.4		3.7	1.4	ng/L		07/26/23 05:27	07/27/23 19:32	1
F-53B Major	<0.22		1.9	0.22	ng/L		07/26/23 05:27	07/27/23 19:32	1
F-53B Minor	<0.30		1.9	0.30	ng/L		07/26/23 05:27	07/27/23 19:32	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	65		25 - 150	07/26/23 05:27	07/27/23 19:32	1
13C5 PFPeA	80		25 - 150	07/26/23 05:27	07/27/23 19:32	1
13C2 PFHxA	86		25 - 150	07/26/23 05:27	07/27/23 19:32	1
13C4 PFHpA	91		25 - 150	07/26/23 05:27	07/27/23 19:32	1
13C4 PFOA	98		25 - 150	07/26/23 05:27	07/27/23 19:32	1
13C5 PFNA	93		25 - 150	07/26/23 05:27	07/27/23 19:32	1
13C2 PFDA	94		25 - 150	07/26/23 05:27	07/27/23 19:32	1
13C2 PFUnA	97		25 - 150	07/26/23 05:27	07/27/23 19:32	1
13C2 PFDoA	85		25 - 150	07/26/23 05:27	07/27/23 19:32	1

Eurofins Chicago

Client Sample Results

Client: Ramboll US Corporation
Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-204

Lab Sample ID: 500-237064-2

Date Collected: 07/18/23 14:52

Matrix: Water

Date Received: 07/22/23 09:50

Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C2 PFTeDA	81		25 - 150	07/26/23 05:27	07/27/23 19:32	1
13C3 PFBS	92		25 - 150	07/26/23 05:27	07/27/23 19:32	1
18O2 PFHxS	96		25 - 150	07/26/23 05:27	07/27/23 19:32	1
13C4 PFOS	98		25 - 150	07/26/23 05:27	07/27/23 19:32	1
13C8 FOSA	117		10 - 150	07/26/23 05:27	07/27/23 19:32	1
d3-NMeFOSAA	106		25 - 150	07/26/23 05:27	07/27/23 19:32	1
d5-NEtFOSAA	107		25 - 150	07/26/23 05:27	07/27/23 19:32	1
d-N-MeFOSA-M	87		10 - 150	07/26/23 05:27	07/27/23 19:32	1
d-N-EtFOSA-M	80		10 - 150	07/26/23 05:27	07/27/23 19:32	1
d7-N-MeFOSE-M	92		10 - 150	07/26/23 05:27	07/27/23 19:32	1
d9-N-EtFOSE-M	85		10 - 150	07/26/23 05:27	07/27/23 19:32	1
M2-4:2 FTS	97		25 - 150	07/26/23 05:27	07/27/23 19:32	1
M2-6:2 FTS	92		25 - 150	07/26/23 05:27	07/27/23 19:32	1
M2-8:2 FTS	84		25 - 150	07/26/23 05:27	07/27/23 19:32	1
13C3 HFPO-DA	86		25 - 150	07/26/23 05:27	07/27/23 19:32	1

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: EB-01
Date Collected: 07/18/23 15:25
Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-3
Matrix: Water

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.1		4.4	2.1	ng/L		07/26/23 05:27	07/27/23 19:42	1
Perfluoropentanoic acid (PFPeA)	<0.44		1.8	0.44	ng/L		07/26/23 05:27	07/27/23 19:42	1
Perfluorohexanoic acid (PFHxA)	<0.52		1.8	0.52	ng/L		07/26/23 05:27	07/27/23 19:42	1
Perfluoroheptanoic acid (PFHpA)	<0.22		1.8	0.22	ng/L		07/26/23 05:27	07/27/23 19:42	1
Perfluorooctanoic acid (PFOA)	<0.76		1.8	0.76	ng/L		07/26/23 05:27	07/27/23 19:42	1
Perfluorononanoic acid (PFNA)	<0.24		1.8	0.24	ng/L		07/26/23 05:27	07/27/23 19:42	1
Perfluorodecanoic acid (PFDA)	<0.28		1.8	0.28	ng/L		07/26/23 05:27	07/27/23 19:42	1
Perfluoroundecanoic acid (PFUnA)	<0.98		1.8	0.98	ng/L		07/26/23 05:27	07/27/23 19:42	1
Perfluorododecanoic acid (PFDoA)	<0.49		1.8	0.49	ng/L		07/26/23 05:27	07/27/23 19:42	1
Perfluorotridecanoic acid (PFTriA)	<1.2		1.8	1.2	ng/L		07/26/23 05:27	07/27/23 19:42	1
Perfluorotetradecanoic acid (PFTeA)	<0.65		1.8	0.65	ng/L		07/26/23 05:27	07/27/23 19:42	1
Perfluorobutanesulfonic acid (PFBS)	<0.18		1.8	0.18	ng/L		07/26/23 05:27	07/27/23 19:42	1
Perfluoropentanesulfonic acid (PFPeS)	<0.27		1.8	0.27	ng/L		07/26/23 05:27	07/27/23 19:42	1
Perfluorohexanesulfonic acid (PFHxS)	<0.51		1.8	0.51	ng/L		07/26/23 05:27	07/27/23 19:42	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.17		1.8	0.17	ng/L		07/26/23 05:27	07/27/23 19:42	1
Perfluorooctanesulfonic acid (PFOS)	<0.48		1.8	0.48	ng/L		07/26/23 05:27	07/27/23 19:42	1
Perfluorononanesulfonic acid (PFNS)	<0.33		1.8	0.33	ng/L		07/26/23 05:27	07/27/23 19:42	1
Perfluorodecanesulfonic acid (PFDS)	<0.28		1.8	0.28	ng/L		07/26/23 05:27	07/27/23 19:42	1
Perfluorododecanesulfonic acid (PFDoS)	<0.86		1.8	0.86	ng/L		07/26/23 05:27	07/27/23 19:42	1
Perfluorooctanesulfonamide (FOSA)	<0.87		1.8	0.87	ng/L		07/26/23 05:27	07/27/23 19:42	1
NEtFOSA	<0.77		1.8	0.77	ng/L		07/26/23 05:27	07/27/23 19:42	1
NMeFOSA	<0.38		1.8	0.38	ng/L		07/26/23 05:27	07/27/23 19:42	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<1.1		4.4	1.1	ng/L		07/26/23 05:27	07/27/23 19:42	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<1.2		4.4	1.2	ng/L		07/26/23 05:27	07/27/23 19:42	1
NMeFOSE	<1.2		3.6	1.2	ng/L		07/26/23 05:27	07/27/23 19:42	1
NEtFOSE	<0.76		1.8	0.76	ng/L		07/26/23 05:27	07/27/23 19:42	1
4:2 FTS	<0.21		1.8	0.21	ng/L		07/26/23 05:27	07/27/23 19:42	1
6:2 FTS	<2.2		4.4	2.2	ng/L		07/26/23 05:27	07/27/23 19:42	1
8:2 FTS	<0.41		1.8	0.41	ng/L		07/26/23 05:27	07/27/23 19:42	1
DONA	<0.36		1.8	0.36	ng/L		07/26/23 05:27	07/27/23 19:42	1
HFPO-DA (GenX)	<1.3		3.6	1.3	ng/L		07/26/23 05:27	07/27/23 19:42	1
F-53B Major	<0.21		1.8	0.21	ng/L		07/26/23 05:27	07/27/23 19:42	1
F-53B Minor	<0.28		1.8	0.28	ng/L		07/26/23 05:27	07/27/23 19:42	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	105		25 - 150	07/26/23 05:27	07/27/23 19:42	1
13C5 PFPeA	108		25 - 150	07/26/23 05:27	07/27/23 19:42	1
13C2 PFHxA	102		25 - 150	07/26/23 05:27	07/27/23 19:42	1
13C4 PFHpA	110		25 - 150	07/26/23 05:27	07/27/23 19:42	1
13C4 PFOA	105		25 - 150	07/26/23 05:27	07/27/23 19:42	1
13C5 PFNA	108		25 - 150	07/26/23 05:27	07/27/23 19:42	1
13C2 PFDA	113		25 - 150	07/26/23 05:27	07/27/23 19:42	1
13C2 PFUnA	119		25 - 150	07/26/23 05:27	07/27/23 19:42	1
13C2 PFDoA	112		25 - 150	07/26/23 05:27	07/27/23 19:42	1
13C2 PFTeDA	108		25 - 150	07/26/23 05:27	07/27/23 19:42	1
13C3 PFBS	110		25 - 150	07/26/23 05:27	07/27/23 19:42	1

Eurofins Chicago

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: EB-01
Date Collected: 07/18/23 15:25
Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-3
Matrix: Water

Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
18O2 PFHxS	114		25 - 150	07/26/23 05:27	07/27/23 19:42	1
13C4 PFOS	115		25 - 150	07/26/23 05:27	07/27/23 19:42	1
13C8 FOSA	129		10 - 150	07/26/23 05:27	07/27/23 19:42	1
d3-NMeFOSAA	129		25 - 150	07/26/23 05:27	07/27/23 19:42	1
d5-NEtFOSAA	133		25 - 150	07/26/23 05:27	07/27/23 19:42	1
d-N-MeFOSA-M	101		10 - 150	07/26/23 05:27	07/27/23 19:42	1
d-N-EtFOSA-M	99		10 - 150	07/26/23 05:27	07/27/23 19:42	1
d7-N-MeFOSE-M	118		10 - 150	07/26/23 05:27	07/27/23 19:42	1
d9-N-EtFOSE-M	110		10 - 150	07/26/23 05:27	07/27/23 19:42	1
M2-4:2 FTS	93		25 - 150	07/26/23 05:27	07/27/23 19:42	1
M2-6:2 FTS	95		25 - 150	07/26/23 05:27	07/27/23 19:42	1
M2-8:2 FTS	94		25 - 150	07/26/23 05:27	07/27/23 19:42	1
13C3 HFPO-DA	101		25 - 150	07/26/23 05:27	07/27/23 19:42	1

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: FB-01
Date Collected: 07/18/23 15:30
Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-4
Matrix: Water

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.2		4.5	2.2	ng/L		07/26/23 05:27	07/27/23 19:52	1
Perfluoropentanoic acid (PFPeA)	<0.44		1.8	0.44	ng/L		07/26/23 05:27	07/27/23 19:52	1
Perfluorohexanoic acid (PFHxA)	<0.53		1.8	0.53	ng/L		07/26/23 05:27	07/27/23 19:52	1
Perfluoroheptanoic acid (PFHpA)	<0.23		1.8	0.23	ng/L		07/26/23 05:27	07/27/23 19:52	1
Perfluorooctanoic acid (PFOA)	<0.77		1.8	0.77	ng/L		07/26/23 05:27	07/27/23 19:52	1
Perfluorononanoic acid (PFNA)	<0.24		1.8	0.24	ng/L		07/26/23 05:27	07/27/23 19:52	1
Perfluorodecanoic acid (PFDA)	<0.28		1.8	0.28	ng/L		07/26/23 05:27	07/27/23 19:52	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.8	1.0	ng/L		07/26/23 05:27	07/27/23 19:52	1
Perfluorododecanoic acid (PFDoA)	<0.50		1.8	0.50	ng/L		07/26/23 05:27	07/27/23 19:52	1
Perfluorotridecanoic acid (PFTriA)	<1.2		1.8	1.2	ng/L		07/26/23 05:27	07/27/23 19:52	1
Perfluorotetradecanoic acid (PFTeA)	<0.66		1.8	0.66	ng/L		07/26/23 05:27	07/27/23 19:52	1
Perfluorobutanesulfonic acid (PFBS)	<0.18		1.8	0.18	ng/L		07/26/23 05:27	07/27/23 19:52	1
Perfluoropentanesulfonic acid (PFPeS)	<0.27		1.8	0.27	ng/L		07/26/23 05:27	07/27/23 19:52	1
Perfluorohexanesulfonic acid (PFHxS)	<0.52		1.8	0.52	ng/L		07/26/23 05:27	07/27/23 19:52	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.17		1.8	0.17	ng/L		07/26/23 05:27	07/27/23 19:52	1
Perfluorooctanesulfonic acid (PFOS)	<0.49		1.8	0.49	ng/L		07/26/23 05:27	07/27/23 19:52	1
Perfluorononanesulfonic acid (PFNS)	<0.34		1.8	0.34	ng/L		07/26/23 05:27	07/27/23 19:52	1
Perfluorodecanesulfonic acid (PFDS)	<0.29		1.8	0.29	ng/L		07/26/23 05:27	07/27/23 19:52	1
Perfluorododecanesulfonic acid (PFDoS)	<0.88		1.8	0.88	ng/L		07/26/23 05:27	07/27/23 19:52	1
Perfluorooctanesulfonamide (FOSA)	<0.89		1.8	0.89	ng/L		07/26/23 05:27	07/27/23 19:52	1
NEtFOSA	<0.79		1.8	0.79	ng/L		07/26/23 05:27	07/27/23 19:52	1
NMeFOSA	<0.39		1.8	0.39	ng/L		07/26/23 05:27	07/27/23 19:52	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<1.1		4.5	1.1	ng/L		07/26/23 05:27	07/27/23 19:52	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<1.2		4.5	1.2	ng/L		07/26/23 05:27	07/27/23 19:52	1
NMeFOSE	<1.3		3.6	1.3	ng/L		07/26/23 05:27	07/27/23 19:52	1
NEtFOSE	<0.77		1.8	0.77	ng/L		07/26/23 05:27	07/27/23 19:52	1
4:2 FTS	<0.22		1.8	0.22	ng/L		07/26/23 05:27	07/27/23 19:52	1
6:2 FTS	<2.3		4.5	2.3	ng/L		07/26/23 05:27	07/27/23 19:52	1
8:2 FTS	<0.42		1.8	0.42	ng/L		07/26/23 05:27	07/27/23 19:52	1
DONA	<0.36		1.8	0.36	ng/L		07/26/23 05:27	07/27/23 19:52	1
HFPO-DA (GenX)	<1.4		3.6	1.4	ng/L		07/26/23 05:27	07/27/23 19:52	1
F-53B Major	<0.22		1.8	0.22	ng/L		07/26/23 05:27	07/27/23 19:52	1
F-53B Minor	<0.29		1.8	0.29	ng/L		07/26/23 05:27	07/27/23 19:52	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	105		25 - 150	07/26/23 05:27	07/27/23 19:52	1
13C5 PFPeA	109		25 - 150	07/26/23 05:27	07/27/23 19:52	1
13C2 PFHxA	103		25 - 150	07/26/23 05:27	07/27/23 19:52	1
13C4 PFHpA	106		25 - 150	07/26/23 05:27	07/27/23 19:52	1
13C4 PFOA	107		25 - 150	07/26/23 05:27	07/27/23 19:52	1
13C5 PFNA	110		25 - 150	07/26/23 05:27	07/27/23 19:52	1
13C2 PFDA	111		25 - 150	07/26/23 05:27	07/27/23 19:52	1
13C2 PFUnA	115		25 - 150	07/26/23 05:27	07/27/23 19:52	1
13C2 PFDoA	110		25 - 150	07/26/23 05:27	07/27/23 19:52	1
13C2 PFTeDA	110		25 - 150	07/26/23 05:27	07/27/23 19:52	1
13C3 PFBS	107		25 - 150	07/26/23 05:27	07/27/23 19:52	1

Euofins Chicago

Client Sample Results

Client: Ramboll US Corporation
Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: FB-01
Date Collected: 07/18/23 15:30
Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-4
Matrix: Water

Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
18O2 PFHxS	107		25 - 150	07/26/23 05:27	07/27/23 19:52	1
13C4 PFOS	112		25 - 150	07/26/23 05:27	07/27/23 19:52	1
13C8 FOSA	130		10 - 150	07/26/23 05:27	07/27/23 19:52	1
d3-NMeFOSAA	129		25 - 150	07/26/23 05:27	07/27/23 19:52	1
d5-NEtFOSAA	135		25 - 150	07/26/23 05:27	07/27/23 19:52	1
d-N-MeFOSA-M	102		10 - 150	07/26/23 05:27	07/27/23 19:52	1
d-N-EtFOSA-M	102		10 - 150	07/26/23 05:27	07/27/23 19:52	1
d7-N-MeFOSE-M	124		10 - 150	07/26/23 05:27	07/27/23 19:52	1
d9-N-EtFOSE-M	116		10 - 150	07/26/23 05:27	07/27/23 19:52	1
M2-4:2 FTS	90		25 - 150	07/26/23 05:27	07/27/23 19:52	1
M2-6:2 FTS	87		25 - 150	07/26/23 05:27	07/27/23 19:52	1
M2-8:2 FTS	94		25 - 150	07/26/23 05:27	07/27/23 19:52	1
13C3 HFPO-DA	100		25 - 150	07/26/23 05:27	07/27/23 19:52	1

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: PZ-206

Lab Sample ID: 500-237064-5

Date Collected: 07/19/23 07:51

Matrix: Water

Date Received: 07/22/23 09:50

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.3		4.7	2.3	ng/L		07/26/23 05:27	07/27/23 20:03	1
Perfluoropentanoic acid (PFPeA)	0.82	J	1.9	0.46	ng/L		07/26/23 05:27	07/27/23 20:03	1
Perfluorohexanoic acid (PFHxA)	1.0	J	1.9	0.54	ng/L		07/26/23 05:27	07/27/23 20:03	1
Perfluoroheptanoic acid (PFHpA)	0.70	J	1.9	0.23	ng/L		07/26/23 05:27	07/27/23 20:03	1
Perfluorooctanoic acid (PFOA)	2.6		1.9	0.80	ng/L		07/26/23 05:27	07/27/23 20:03	1
Perfluorononanoic acid (PFNA)	<0.25		1.9	0.25	ng/L		07/26/23 05:27	07/27/23 20:03	1
Perfluorodecanoic acid (PFDA)	<0.29		1.9	0.29	ng/L		07/26/23 05:27	07/27/23 20:03	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		07/26/23 05:27	07/27/23 20:03	1
Perfluorododecanoic acid (PFDoA)	<0.52		1.9	0.52	ng/L		07/26/23 05:27	07/27/23 20:03	1
Perfluorotridecanoic acid (PFTriA)	<1.2		1.9	1.2	ng/L		07/26/23 05:27	07/27/23 20:03	1
Perfluorotetradecanoic acid (PFTeA)	<0.68		1.9	0.68	ng/L		07/26/23 05:27	07/27/23 20:03	1
Perfluorobutanesulfonic acid (PFBS)	<0.19		1.9	0.19	ng/L		07/26/23 05:27	07/27/23 20:03	1
Perfluoropentanesulfonic acid (PFPeS)	<0.28		1.9	0.28	ng/L		07/26/23 05:27	07/27/23 20:03	1
Perfluorohexanesulfonic acid (PFHxS)	<0.53		1.9	0.53	ng/L		07/26/23 05:27	07/27/23 20:03	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.18		1.9	0.18	ng/L		07/26/23 05:27	07/27/23 20:03	1
Perfluorooctanesulfonic acid (PFOS)	<0.51		1.9	0.51	ng/L		07/26/23 05:27	07/27/23 20:03	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		07/26/23 05:27	07/27/23 20:03	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		07/26/23 05:27	07/27/23 20:03	1
Perfluorododecanesulfonic acid (PFDoS)	<0.91		1.9	0.91	ng/L		07/26/23 05:27	07/27/23 20:03	1
Perfluorooctanesulfonamide (FOSA)	<0.92		1.9	0.92	ng/L		07/26/23 05:27	07/27/23 20:03	1
NEtFOSA	<0.82		1.9	0.82	ng/L		07/26/23 05:27	07/27/23 20:03	1
NMeFOSA	<0.40		1.9	0.40	ng/L		07/26/23 05:27	07/27/23 20:03	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<1.1		4.7	1.1	ng/L		07/26/23 05:27	07/27/23 20:03	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<1.2		4.7	1.2	ng/L		07/26/23 05:27	07/27/23 20:03	1
NMeFOSE	<1.3		3.8	1.3	ng/L		07/26/23 05:27	07/27/23 20:03	1
NEtFOSE	<0.80		1.9	0.80	ng/L		07/26/23 05:27	07/27/23 20:03	1
4:2 FTS	<0.23		1.9	0.23	ng/L		07/26/23 05:27	07/27/23 20:03	1
6:2 FTS	<2.3		4.7	2.3	ng/L		07/26/23 05:27	07/27/23 20:03	1
8:2 FTS	<0.43		1.9	0.43	ng/L		07/26/23 05:27	07/27/23 20:03	1
DONA	<0.38		1.9	0.38	ng/L		07/26/23 05:27	07/27/23 20:03	1
HFPO-DA (GenX)	<1.4		3.8	1.4	ng/L		07/26/23 05:27	07/27/23 20:03	1
F-53B Major	<0.23		1.9	0.23	ng/L		07/26/23 05:27	07/27/23 20:03	1
F-53B Minor	<0.30		1.9	0.30	ng/L		07/26/23 05:27	07/27/23 20:03	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	85		25 - 150	07/26/23 05:27	07/27/23 20:03	1
13C5 PFPeA	100		25 - 150	07/26/23 05:27	07/27/23 20:03	1
13C2 PFHxA	99		25 - 150	07/26/23 05:27	07/27/23 20:03	1
13C4 PFHpA	102		25 - 150	07/26/23 05:27	07/27/23 20:03	1
13C4 PFOA	100		25 - 150	07/26/23 05:27	07/27/23 20:03	1
13C5 PFNA	104		25 - 150	07/26/23 05:27	07/27/23 20:03	1
13C2 PFDA	104		25 - 150	07/26/23 05:27	07/27/23 20:03	1
13C2 PFUnA	104		25 - 150	07/26/23 05:27	07/27/23 20:03	1
13C2 PFDoA	98		25 - 150	07/26/23 05:27	07/27/23 20:03	1
13C2 PFTeDA	99		25 - 150	07/26/23 05:27	07/27/23 20:03	1
13C3 PFBS	98		25 - 150	07/26/23 05:27	07/27/23 20:03	1

Euofins Chicago

Client Sample Results

Client: Ramboll US Corporation
Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: PZ-206

Lab Sample ID: 500-237064-5

Date Collected: 07/19/23 07:51

Matrix: Water

Date Received: 07/22/23 09:50

Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
18O2 PFHxS	99		25 - 150	07/26/23 05:27	07/27/23 20:03	1
13C4 PFOS	99		25 - 150	07/26/23 05:27	07/27/23 20:03	1
13C8 FOSA	126		10 - 150	07/26/23 05:27	07/27/23 20:03	1
d3-NMeFOSAA	119		25 - 150	07/26/23 05:27	07/27/23 20:03	1
d5-NEtFOSAA	116		25 - 150	07/26/23 05:27	07/27/23 20:03	1
d-N-MeFOSA-M	93		10 - 150	07/26/23 05:27	07/27/23 20:03	1
d-N-EtFOSA-M	92		10 - 150	07/26/23 05:27	07/27/23 20:03	1
d7-N-MeFOSE-M	108		10 - 150	07/26/23 05:27	07/27/23 20:03	1
d9-N-EtFOSE-M	97		10 - 150	07/26/23 05:27	07/27/23 20:03	1
M2-4:2 FTS	82		25 - 150	07/26/23 05:27	07/27/23 20:03	1
M2-6:2 FTS	81		25 - 150	07/26/23 05:27	07/27/23 20:03	1
M2-8:2 FTS	82		25 - 150	07/26/23 05:27	07/27/23 20:03	1
13C3 HFPO-DA	98		25 - 150	07/26/23 05:27	07/27/23 20:03	1

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-213

Lab Sample ID: 500-237064-6

Date Collected: 07/19/23 08:50

Matrix: Water

Date Received: 07/22/23 09:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			08/01/23 13:24	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/01/23 13:24	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/01/23 13:24	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/01/23 13:24	1
Bromoform	<0.48		1.0	0.48	ug/L			08/01/23 13:24	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/01/23 13:24	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/01/23 13:24	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/01/23 13:24	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/01/23 13:24	1
Chloroform	<0.37		2.0	0.37	ug/L			08/01/23 13:24	1
Chloromethane	<0.32		5.0	0.32	ug/L			08/01/23 13:24	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/01/23 13:24	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/01/23 13:24	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			08/01/23 13:24	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/01/23 13:24	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/01/23 13:24	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/01/23 13:24	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/01/23 13:24	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/01/23 13:24	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/01/23 13:24	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/01/23 13:24	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/01/23 13:24	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/01/23 13:24	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/01/23 13:24	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/01/23 13:24	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/01/23 13:24	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/01/23 13:24	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/01/23 13:24	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/01/23 13:24	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/01/23 13:24	1
Ethylbenzene	74		0.50	0.18	ug/L			08/01/23 13:24	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/01/23 13:24	1
Isopropylbenzene	55		1.0	0.39	ug/L			08/01/23 13:24	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/01/23 13:24	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/01/23 13:24	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/01/23 13:24	1
Naphthalene	100		1.0	0.34	ug/L			08/01/23 13:24	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/01/23 13:24	1
N-Propylbenzene	74		1.0	0.41	ug/L			08/01/23 13:24	1
p-Isopropyltoluene	26		1.0	0.36	ug/L			08/01/23 13:24	1
sec-Butylbenzene	21		1.0	0.40	ug/L			08/01/23 13:24	1
Styrene	<0.39		1.0	0.39	ug/L			08/01/23 13:24	1
tert-Butylbenzene	7.5		1.0	0.40	ug/L			08/01/23 13:24	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/01/23 13:24	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/01/23 13:24	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			08/01/23 13:24	1
Toluene	0.29 J		0.50	0.15	ug/L			08/01/23 13:24	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			08/01/23 13:24	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/01/23 13:24	1

Eurofins Chicago

Client Sample Results

Client: Ramboll US Corporation
Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-213

Lab Sample ID: 500-237064-6

Date Collected: 07/19/23 08:50

Matrix: Water

Date Received: 07/22/23 09:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/01/23 13:24	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/01/23 13:24	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/01/23 13:24	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/01/23 13:24	1
Trichloroethene	<0.16		0.50	0.16	ug/L			08/01/23 13:24	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/01/23 13:24	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/01/23 13:24	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/01/23 13:24	1
Xylenes, Total	180		1.0	0.22	ug/L			08/01/23 13:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		72 - 124		08/01/23 13:24	1
Dibromofluoromethane (Surr)	111		75 - 120		08/01/23 13:24	1
1,2-Dichloroethane-d4 (Surr)	94		75 - 126		08/01/23 13:24	1
Toluene-d8 (Surr)	110		75 - 120		08/01/23 13:24	1

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	610		10	3.6	ug/L			08/01/23 13:47	10
1,3,5-Trimethylbenzene	230		10	2.5	ug/L			08/01/23 13:47	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		72 - 124		08/01/23 13:47	10
Dibromofluoromethane (Surr)	112		75 - 120		08/01/23 13:47	10
1,2-Dichloroethane-d4 (Surr)	99		75 - 126		08/01/23 13:47	10
Toluene-d8 (Surr)	108		75 - 120		08/01/23 13:47	10

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.3		4.7	2.3	ng/L		07/26/23 05:27	07/27/23 20:13	1
Perfluoropentanoic acid (PFPeA)	4.2		1.9	0.46	ng/L		07/26/23 05:27	07/27/23 20:13	1
Perfluorohexanoic acid (PFHxA)	11		1.9	0.55	ng/L		07/26/23 05:27	07/27/23 20:13	1
Perfluoroheptanoic acid (PFHpA)	22		1.9	0.24	ng/L		07/26/23 05:27	07/27/23 20:13	1
Perfluorooctanoic acid (PFOA)	350		1.9	0.81	ng/L		07/26/23 05:27	07/27/23 20:13	1
Perfluorononanoic acid (PFNA)	0.32 J		1.9	0.26	ng/L		07/26/23 05:27	07/27/23 20:13	1
Perfluorodecanoic acid (PFDA)	<0.29		1.9	0.29	ng/L		07/26/23 05:27	07/27/23 20:13	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		07/26/23 05:27	07/27/23 20:13	1
Perfluorododecanoic acid (PFDoA)	<0.52		1.9	0.52	ng/L		07/26/23 05:27	07/27/23 20:13	1
Perfluorotridecanoic acid (PFTriA)	<1.2		1.9	1.2	ng/L		07/26/23 05:27	07/27/23 20:13	1
Perfluorotetradecanoic acid (PFTeA)	<0.69		1.9	0.69	ng/L		07/26/23 05:27	07/27/23 20:13	1
Perfluorobutanesulfonic acid (PFBS)	1.2 J		1.9	0.19	ng/L		07/26/23 05:27	07/27/23 20:13	1
Perfluoropentanesulfonic acid (PFPeS)	<0.28		1.9	0.28	ng/L		07/26/23 05:27	07/27/23 20:13	1
Perfluorohexanesulfonic acid (PFHxS)	1.7 J		1.9	0.54	ng/L		07/26/23 05:27	07/27/23 20:13	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.18		1.9	0.18	ng/L		07/26/23 05:27	07/27/23 20:13	1
Perfluorooctanesulfonic acid (PFOS)	3.5		1.9	0.51	ng/L		07/26/23 05:27	07/27/23 20:13	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		07/26/23 05:27	07/27/23 20:13	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		07/26/23 05:27	07/27/23 20:13	1

Eurofins Chicago

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-213

Lab Sample ID: 500-237064-6

Date Collected: 07/19/23 08:50

Matrix: Water

Date Received: 07/22/23 09:50

Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorododecanesulfonic acid (PFDoS)	<0.92		1.9	0.92	ng/L		07/26/23 05:27	07/27/23 20:13	1
Perfluorooctanesulfonamide (FOSA)	<0.93		1.9	0.93	ng/L		07/26/23 05:27	07/27/23 20:13	1
NEtFOSA	<0.82		1.9	0.82	ng/L		07/26/23 05:27	07/27/23 20:13	1
NMeFOSA	<0.41		1.9	0.41	ng/L		07/26/23 05:27	07/27/23 20:13	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<1.1		4.7	1.1	ng/L		07/26/23 05:27	07/27/23 20:13	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<1.2		4.7	1.2	ng/L		07/26/23 05:27	07/27/23 20:13	1
NMeFOSE	<1.3		3.8	1.3	ng/L		07/26/23 05:27	07/27/23 20:13	1
NEtFOSE	<0.81		1.9	0.81	ng/L		07/26/23 05:27	07/27/23 20:13	1
4:2 FTS	<0.23		1.9	0.23	ng/L		07/26/23 05:27	07/27/23 20:13	1
6:2 FTS	<2.4		4.7	2.4	ng/L		07/26/23 05:27	07/27/23 20:13	1
8:2 FTS	<0.44		1.9	0.44	ng/L		07/26/23 05:27	07/27/23 20:13	1
DONA	<0.38		1.9	0.38	ng/L		07/26/23 05:27	07/27/23 20:13	1
HFPO-DA (GenX)	<1.4		3.8	1.4	ng/L		07/26/23 05:27	07/27/23 20:13	1
F-53B Major	<0.23		1.9	0.23	ng/L		07/26/23 05:27	07/27/23 20:13	1
F-53B Minor	<0.30		1.9	0.30	ng/L		07/26/23 05:27	07/27/23 20:13	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	52		25 - 150	07/26/23 05:27	07/27/23 20:13	1
13C5 PFPeA	68		25 - 150	07/26/23 05:27	07/27/23 20:13	1
13C2 PFHxA	79		25 - 150	07/26/23 05:27	07/27/23 20:13	1
13C4 PFHpA	85		25 - 150	07/26/23 05:27	07/27/23 20:13	1
13C4 PFOA	94		25 - 150	07/26/23 05:27	07/27/23 20:13	1
13C5 PFNA	92		25 - 150	07/26/23 05:27	07/27/23 20:13	1
13C2 PFDA	89		25 - 150	07/26/23 05:27	07/27/23 20:13	1
13C2 PFUnA	84		25 - 150	07/26/23 05:27	07/27/23 20:13	1
13C2 PFDoA	63		25 - 150	07/26/23 05:27	07/27/23 20:13	1
13C2 PFTeDA	48		25 - 150	07/26/23 05:27	07/27/23 20:13	1
13C3 PFBS	83		25 - 150	07/26/23 05:27	07/27/23 20:13	1
18O2 PFHxS	87		25 - 150	07/26/23 05:27	07/27/23 20:13	1
13C4 PFOS	87		25 - 150	07/26/23 05:27	07/27/23 20:13	1
13C8 FOSA	104		10 - 150	07/26/23 05:27	07/27/23 20:13	1
d3-NMeFOSAA	83		25 - 150	07/26/23 05:27	07/27/23 20:13	1
d5-NEtFOSAA	83		25 - 150	07/26/23 05:27	07/27/23 20:13	1
d-N-MeFOSA-M	60		10 - 150	07/26/23 05:27	07/27/23 20:13	1
d-N-EtFOSA-M	51		10 - 150	07/26/23 05:27	07/27/23 20:13	1
d7-N-MeFOSE-M	62		10 - 150	07/26/23 05:27	07/27/23 20:13	1
d9-N-EtFOSE-M	49		10 - 150	07/26/23 05:27	07/27/23 20:13	1
M2-4:2 FTS	92		25 - 150	07/26/23 05:27	07/27/23 20:13	1
M2-6:2 FTS	92		25 - 150	07/26/23 05:27	07/27/23 20:13	1
M2-8:2 FTS	91		25 - 150	07/26/23 05:27	07/27/23 20:13	1
13C3 HFPO-DA	82		25 - 150	07/26/23 05:27	07/27/23 20:13	1

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-213 DUP

Lab Sample ID: 500-237064-7

Date Collected: 07/19/23 08:50

Matrix: Water

Date Received: 07/22/23 09:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			08/01/23 14:55	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/01/23 14:55	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/01/23 14:55	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/01/23 14:55	1
Bromoform	<0.48		1.0	0.48	ug/L			08/01/23 14:55	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/01/23 14:55	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/01/23 14:55	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/01/23 14:55	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/01/23 14:55	1
Chloroform	<0.37		2.0	0.37	ug/L			08/01/23 14:55	1
Chloromethane	<0.32		5.0	0.32	ug/L			08/01/23 14:55	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/01/23 14:55	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/01/23 14:55	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			08/01/23 14:55	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/01/23 14:55	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/01/23 14:55	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/01/23 14:55	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/01/23 14:55	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/01/23 14:55	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/01/23 14:55	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/01/23 14:55	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/01/23 14:55	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/01/23 14:55	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/01/23 14:55	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/01/23 14:55	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/01/23 14:55	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/01/23 14:55	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/01/23 14:55	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/01/23 14:55	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/01/23 14:55	1
Ethylbenzene	72		0.50	0.18	ug/L			08/01/23 14:55	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/01/23 14:55	1
Isopropylbenzene	57		1.0	0.39	ug/L			08/01/23 14:55	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/01/23 14:55	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/01/23 14:55	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/01/23 14:55	1
Naphthalene	96		1.0	0.34	ug/L			08/01/23 14:55	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/01/23 14:55	1
N-Propylbenzene	76		1.0	0.41	ug/L			08/01/23 14:55	1
p-Isopropyltoluene	27		1.0	0.36	ug/L			08/01/23 14:55	1
sec-Butylbenzene	21		1.0	0.40	ug/L			08/01/23 14:55	1
Styrene	<0.39		1.0	0.39	ug/L			08/01/23 14:55	1
tert-Butylbenzene	7.7		1.0	0.40	ug/L			08/01/23 14:55	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/01/23 14:55	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/01/23 14:55	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			08/01/23 14:55	1
Toluene	<0.15		0.50	0.15	ug/L			08/01/23 14:55	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			08/01/23 14:55	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/01/23 14:55	1

Eurofins Chicago

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-213 DUP

Lab Sample ID: 500-237064-7

Date Collected: 07/19/23 08:50

Matrix: Water

Date Received: 07/22/23 09:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/01/23 14:55	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/01/23 14:55	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/01/23 14:55	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/01/23 14:55	1
Trichloroethene	<0.16		0.50	0.16	ug/L			08/01/23 14:55	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/01/23 14:55	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/01/23 14:55	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/01/23 14:55	1
Xylenes, Total	180		1.0	0.22	ug/L			08/01/23 14:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		72 - 124		08/01/23 14:55	1
Dibromofluoromethane (Surr)	109		75 - 120		08/01/23 14:55	1
1,2-Dichloroethane-d4 (Surr)	92		75 - 126		08/01/23 14:55	1
Toluene-d8 (Surr)	112		75 - 120		08/01/23 14:55	1

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	590		10	3.6	ug/L			08/01/23 15:18	10
1,3,5-Trimethylbenzene	220		10	2.5	ug/L			08/01/23 15:18	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		72 - 124		08/01/23 15:18	10
Dibromofluoromethane (Surr)	108		75 - 120		08/01/23 15:18	10
1,2-Dichloroethane-d4 (Surr)	96		75 - 126		08/01/23 15:18	10
Toluene-d8 (Surr)	108		75 - 120		08/01/23 15:18	10

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.4		4.9	2.4	ng/L		07/26/23 05:27	07/27/23 20:23	1
Perfluoropentanoic acid (PFPeA)	5.1		2.0	0.48	ng/L		07/26/23 05:27	07/27/23 20:23	1
Perfluorohexanoic acid (PFHxA)	11		2.0	0.57	ng/L		07/26/23 05:27	07/27/23 20:23	1
Perfluoroheptanoic acid (PFHpA)	27		2.0	0.25	ng/L		07/26/23 05:27	07/27/23 20:23	1
Perfluorooctanoic acid (PFOA)	360		2.0	0.84	ng/L		07/26/23 05:27	07/27/23 20:23	1
Perfluorononanoic acid (PFNA)	0.37 J		2.0	0.27	ng/L		07/26/23 05:27	07/27/23 20:23	1
Perfluorodecanoic acid (PFDA)	<0.30		2.0	0.30	ng/L		07/26/23 05:27	07/27/23 20:23	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		07/26/23 05:27	07/27/23 20:23	1
Perfluorododecanoic acid (PFDoA)	<0.54		2.0	0.54	ng/L		07/26/23 05:27	07/27/23 20:23	1
Perfluorotridecanoic acid (PFTriA)	<1.3		2.0	1.3	ng/L		07/26/23 05:27	07/27/23 20:23	1
Perfluorotetradecanoic acid (PFTeA)	<0.72		2.0	0.72	ng/L		07/26/23 05:27	07/27/23 20:23	1
Perfluorobutanesulfonic acid (PFBS)	1.0 J		2.0	0.20	ng/L		07/26/23 05:27	07/27/23 20:23	1
Perfluoropentanesulfonic acid (PFPeS)	<0.29		2.0	0.29	ng/L		07/26/23 05:27	07/27/23 20:23	1
Perfluorohexanesulfonic acid (PFHxS)	1.9 J		2.0	0.56	ng/L		07/26/23 05:27	07/27/23 20:23	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		07/26/23 05:27	07/27/23 20:23	1
Perfluorooctanesulfonic acid (PFOS)	3.9		2.0	0.53	ng/L		07/26/23 05:27	07/27/23 20:23	1
Perfluorononanesulfonic acid (PFNS)	<0.36		2.0	0.36	ng/L		07/26/23 05:27	07/27/23 20:23	1
Perfluorodecanesulfonic acid (PFDS)	<0.31		2.0	0.31	ng/L		07/26/23 05:27	07/27/23 20:23	1

Eurofins Chicago

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-213 DUP

Lab Sample ID: 500-237064-7

Date Collected: 07/19/23 08:50

Matrix: Water

Date Received: 07/22/23 09:50

Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorododecanesulfonic acid (PFDoS)	<0.95		2.0	0.95	ng/L		07/26/23 05:27	07/27/23 20:23	1
Perfluorooctanesulfonamide (FOSA)	<0.96		2.0	0.96	ng/L		07/26/23 05:27	07/27/23 20:23	1
NEtFOSA	<0.85		2.0	0.85	ng/L		07/26/23 05:27	07/27/23 20:23	1
NMeFOSA	<0.42		2.0	0.42	ng/L		07/26/23 05:27	07/27/23 20:23	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<1.2		4.9	1.2	ng/L		07/26/23 05:27	07/27/23 20:23	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<1.3		4.9	1.3	ng/L		07/26/23 05:27	07/27/23 20:23	1
NMeFOSE	<1.4		3.9	1.4	ng/L		07/26/23 05:27	07/27/23 20:23	1
NEtFOSE	<0.84		2.0	0.84	ng/L		07/26/23 05:27	07/27/23 20:23	1
4:2 FTS	<0.24		2.0	0.24	ng/L		07/26/23 05:27	07/27/23 20:23	1
6:2 FTS	<2.5		4.9	2.5	ng/L		07/26/23 05:27	07/27/23 20:23	1
8:2 FTS	<0.45		2.0	0.45	ng/L		07/26/23 05:27	07/27/23 20:23	1
DONA	<0.39		2.0	0.39	ng/L		07/26/23 05:27	07/27/23 20:23	1
HFPO-DA (GenX)	<1.5		3.9	1.5	ng/L		07/26/23 05:27	07/27/23 20:23	1
F-53B Major	<0.24		2.0	0.24	ng/L		07/26/23 05:27	07/27/23 20:23	1
F-53B Minor	<0.31		2.0	0.31	ng/L		07/26/23 05:27	07/27/23 20:23	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	52		25 - 150				07/26/23 05:27	07/27/23 20:23	1
13C5 PFPeA	72		25 - 150				07/26/23 05:27	07/27/23 20:23	1
13C2 PFHxA	81		25 - 150				07/26/23 05:27	07/27/23 20:23	1
13C4 PFHpA	83		25 - 150				07/26/23 05:27	07/27/23 20:23	1
13C4 PFOA	96		25 - 150				07/26/23 05:27	07/27/23 20:23	1
13C5 PFNA	88		25 - 150				07/26/23 05:27	07/27/23 20:23	1
13C2 PFDA	92		25 - 150				07/26/23 05:27	07/27/23 20:23	1
13C2 PFUnA	90		25 - 150				07/26/23 05:27	07/27/23 20:23	1
13C2 PFDoA	67		25 - 150				07/26/23 05:27	07/27/23 20:23	1
13C2 PFTeDA	53		25 - 150				07/26/23 05:27	07/27/23 20:23	1
13C3 PFBS	83		25 - 150				07/26/23 05:27	07/27/23 20:23	1
18O2 PFHxS	84		25 - 150				07/26/23 05:27	07/27/23 20:23	1
13C4 PFOS	86		25 - 150				07/26/23 05:27	07/27/23 20:23	1
13C8 FOSA	105		10 - 150				07/26/23 05:27	07/27/23 20:23	1
d3-NMeFOSAA	89		25 - 150				07/26/23 05:27	07/27/23 20:23	1
d5-NEtFOSAA	86		25 - 150				07/26/23 05:27	07/27/23 20:23	1
d-N-MeFOSA-M	63		10 - 150				07/26/23 05:27	07/27/23 20:23	1
d-N-EtFOSA-M	53		10 - 150				07/26/23 05:27	07/27/23 20:23	1
d7-N-MeFOSE-M	64		10 - 150				07/26/23 05:27	07/27/23 20:23	1
d9-N-EtFOSE-M	52		10 - 150				07/26/23 05:27	07/27/23 20:23	1
M2-4:2 FTS	86		25 - 150				07/26/23 05:27	07/27/23 20:23	1
M2-6:2 FTS	93		25 - 150				07/26/23 05:27	07/27/23 20:23	1
M2-8:2 FTS	86		25 - 150				07/26/23 05:27	07/27/23 20:23	1
13C3 HFPO-DA	82		25 - 150				07/26/23 05:27	07/27/23 20:23	1

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-82

Lab Sample ID: 500-237064-8

Date Collected: 07/19/23 10:00

Matrix: Water

Date Received: 07/22/23 09:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			08/01/23 15:41	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/01/23 15:41	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/01/23 15:41	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/01/23 15:41	1
Bromoform	<0.48		1.0	0.48	ug/L			08/01/23 15:41	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/01/23 15:41	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/01/23 15:41	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/01/23 15:41	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/01/23 15:41	1
Chloroform	<0.37		2.0	0.37	ug/L			08/01/23 15:41	1
Chloromethane	<0.32		5.0	0.32	ug/L			08/01/23 15:41	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/01/23 15:41	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/01/23 15:41	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			08/01/23 15:41	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/01/23 15:41	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/01/23 15:41	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/01/23 15:41	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/01/23 15:41	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/01/23 15:41	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/01/23 15:41	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/01/23 15:41	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/01/23 15:41	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/01/23 15:41	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/01/23 15:41	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/01/23 15:41	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/01/23 15:41	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/01/23 15:41	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/01/23 15:41	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/01/23 15:41	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/01/23 15:41	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/01/23 15:41	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/01/23 15:41	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			08/01/23 15:41	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/01/23 15:41	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/01/23 15:41	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/01/23 15:41	1
Naphthalene	0.98 J		1.0	0.34	ug/L			08/01/23 15:41	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/01/23 15:41	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			08/01/23 15:41	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			08/01/23 15:41	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			08/01/23 15:41	1
Styrene	<0.39		1.0	0.39	ug/L			08/01/23 15:41	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			08/01/23 15:41	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/01/23 15:41	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/01/23 15:41	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			08/01/23 15:41	1
Toluene	<0.15		0.50	0.15	ug/L			08/01/23 15:41	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			08/01/23 15:41	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/01/23 15:41	1

Eurofins Chicago

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-82

Lab Sample ID: 500-237064-8

Date Collected: 07/19/23 10:00

Matrix: Water

Date Received: 07/22/23 09:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/01/23 15:41	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/01/23 15:41	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/01/23 15:41	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/01/23 15:41	1
Trichloroethene	0.41	J	0.50	0.16	ug/L			08/01/23 15:41	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/01/23 15:41	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/01/23 15:41	1
1,2,4-Trimethylbenzene	0.52	J	1.0	0.36	ug/L			08/01/23 15:41	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			08/01/23 15:41	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/01/23 15:41	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			08/01/23 15:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		72 - 124		08/01/23 15:41	1
Dibromofluoromethane (Surr)	111		75 - 120		08/01/23 15:41	1
1,2-Dichloroethane-d4 (Surr)	96		75 - 126		08/01/23 15:41	1
Toluene-d8 (Surr)	108		75 - 120		08/01/23 15:41	1

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: AECOM MW-19

Lab Sample ID: 500-237064-9

Date Collected: 07/19/23 11:16

Matrix: Water

Date Received: 07/22/23 09:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			08/01/23 16:04	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/01/23 16:04	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/01/23 16:04	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/01/23 16:04	1
Bromoform	<0.48		1.0	0.48	ug/L			08/01/23 16:04	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/01/23 16:04	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/01/23 16:04	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/01/23 16:04	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/01/23 16:04	1
Chloroform	<0.37		2.0	0.37	ug/L			08/01/23 16:04	1
Chloromethane	<0.32		5.0	0.32	ug/L			08/01/23 16:04	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/01/23 16:04	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/01/23 16:04	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			08/01/23 16:04	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/01/23 16:04	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/01/23 16:04	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/01/23 16:04	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/01/23 16:04	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/01/23 16:04	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/01/23 16:04	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/01/23 16:04	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/01/23 16:04	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/01/23 16:04	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/01/23 16:04	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/01/23 16:04	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/01/23 16:04	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/01/23 16:04	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/01/23 16:04	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/01/23 16:04	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/01/23 16:04	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/01/23 16:04	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/01/23 16:04	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			08/01/23 16:04	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/01/23 16:04	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/01/23 16:04	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/01/23 16:04	1
Naphthalene	0.36	J	1.0	0.34	ug/L			08/01/23 16:04	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/01/23 16:04	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			08/01/23 16:04	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			08/01/23 16:04	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			08/01/23 16:04	1
Styrene	<0.39		1.0	0.39	ug/L			08/01/23 16:04	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			08/01/23 16:04	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/01/23 16:04	1
1,1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/01/23 16:04	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			08/01/23 16:04	1
Toluene	0.16	J	0.50	0.15	ug/L			08/01/23 16:04	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			08/01/23 16:04	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/01/23 16:04	1

Eurofins Chicago

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: AECOM MW-19

Lab Sample ID: 500-237064-9

Date Collected: 07/19/23 11:16

Matrix: Water

Date Received: 07/22/23 09:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/01/23 16:04	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/01/23 16:04	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/01/23 16:04	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/01/23 16:04	1
Trichloroethene	0.84		0.50	0.16	ug/L			08/01/23 16:04	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/01/23 16:04	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/01/23 16:04	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			08/01/23 16:04	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			08/01/23 16:04	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/01/23 16:04	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			08/01/23 16:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		72 - 124		08/01/23 16:04	1
Dibromofluoromethane (Surr)	107		75 - 120		08/01/23 16:04	1
1,2-Dichloroethane-d4 (Surr)	93		75 - 126		08/01/23 16:04	1
Toluene-d8 (Surr)	107		75 - 120		08/01/23 16:04	1

Client Sample Results

Client: Ramboll US Corporation
Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: PZ-214

Lab Sample ID: 500-237064-10

Date Collected: 07/19/23 12:29

Matrix: Water

Date Received: 07/22/23 09:50

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.3		4.7	2.3	ng/L		07/26/23 05:27	07/27/23 20:33	1
Perfluoropentanoic acid (PFPeA)	<0.46		1.9	0.46	ng/L		07/26/23 05:27	07/27/23 20:33	1
Perfluorohexanoic acid (PFHxA)	1.2	J	1.9	0.55	ng/L		07/26/23 05:27	07/27/23 20:33	1
Perfluoroheptanoic acid (PFHpA)	2.3		1.9	0.24	ng/L		07/26/23 05:27	07/27/23 20:33	1
Perfluorooctanoic acid (PFOA)	43		1.9	0.81	ng/L		07/26/23 05:27	07/27/23 20:33	1
Perfluorononanoic acid (PFNA)	0.37	J	1.9	0.26	ng/L		07/26/23 05:27	07/27/23 20:33	1
Perfluorodecanoic acid (PFDA)	0.37	J	1.9	0.29	ng/L		07/26/23 05:27	07/27/23 20:33	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		07/26/23 05:27	07/27/23 20:33	1
Perfluorododecanoic acid (PFDoA)	<0.52		1.9	0.52	ng/L		07/26/23 05:27	07/27/23 20:33	1
Perfluorotridecanoic acid (PFTriA)	<1.2		1.9	1.2	ng/L		07/26/23 05:27	07/27/23 20:33	1
Perfluorotetradecanoic acid (PFTeA)	<0.69		1.9	0.69	ng/L		07/26/23 05:27	07/27/23 20:33	1
Perfluorobutanesulfonic acid (PFBS)	<0.19		1.9	0.19	ng/L		07/26/23 05:27	07/27/23 20:33	1
Perfluoropentanesulfonic acid (PFPeS)	<0.28		1.9	0.28	ng/L		07/26/23 05:27	07/27/23 20:33	1
Perfluorohexanesulfonic acid (PFHxS)	<0.54		1.9	0.54	ng/L		07/26/23 05:27	07/27/23 20:33	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.18		1.9	0.18	ng/L		07/26/23 05:27	07/27/23 20:33	1
Perfluorooctanesulfonic acid (PFOS)	0.61	J	1.9	0.51	ng/L		07/26/23 05:27	07/27/23 20:33	1
Perfluoronanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		07/26/23 05:27	07/27/23 20:33	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		07/26/23 05:27	07/27/23 20:33	1
Perfluorododecanesulfonic acid (PFDoS)	<0.92		1.9	0.92	ng/L		07/26/23 05:27	07/27/23 20:33	1
Perfluorooctanesulfonamide (FOSA)	<0.93		1.9	0.93	ng/L		07/26/23 05:27	07/27/23 20:33	1
NEtFOSA	<0.83		1.9	0.83	ng/L		07/26/23 05:27	07/27/23 20:33	1
NMeFOSA	<0.41		1.9	0.41	ng/L		07/26/23 05:27	07/27/23 20:33	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<1.1		4.7	1.1	ng/L		07/26/23 05:27	07/27/23 20:33	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<1.2		4.7	1.2	ng/L		07/26/23 05:27	07/27/23 20:33	1
NMeFOSE	<1.3		3.8	1.3	ng/L		07/26/23 05:27	07/27/23 20:33	1
NEtFOSE	<0.81		1.9	0.81	ng/L		07/26/23 05:27	07/27/23 20:33	1
4:2 FTS	<0.23		1.9	0.23	ng/L		07/26/23 05:27	07/27/23 20:33	1
6:2 FTS	<2.4		4.7	2.4	ng/L		07/26/23 05:27	07/27/23 20:33	1
8:2 FTS	<0.44		1.9	0.44	ng/L		07/26/23 05:27	07/27/23 20:33	1
DONA	<0.38		1.9	0.38	ng/L		07/26/23 05:27	07/27/23 20:33	1
HFPO-DA (GenX)	<1.4		3.8	1.4	ng/L		07/26/23 05:27	07/27/23 20:33	1
F-53B Major	<0.23		1.9	0.23	ng/L		07/26/23 05:27	07/27/23 20:33	1
F-53B Minor	<0.30		1.9	0.30	ng/L		07/26/23 05:27	07/27/23 20:33	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	73		25 - 150				07/26/23 05:27	07/27/23 20:33	1
13C5 PFPeA	94		25 - 150				07/26/23 05:27	07/27/23 20:33	1
13C2 PFHxA	96		25 - 150				07/26/23 05:27	07/27/23 20:33	1
13C4 PFHpA	101		25 - 150				07/26/23 05:27	07/27/23 20:33	1
13C4 PFOA	103		25 - 150				07/26/23 05:27	07/27/23 20:33	1
13C5 PFNA	105		25 - 150				07/26/23 05:27	07/27/23 20:33	1
13C2 PFDA	103		25 - 150				07/26/23 05:27	07/27/23 20:33	1
13C2 PFUnA	107		25 - 150				07/26/23 05:27	07/27/23 20:33	1
13C2 PFDoA	97		25 - 150				07/26/23 05:27	07/27/23 20:33	1
13C2 PFTeDA	97		25 - 150				07/26/23 05:27	07/27/23 20:33	1
13C3 PFBS	95		25 - 150				07/26/23 05:27	07/27/23 20:33	1

Eurofins Chicago

Client Sample Results

Client: Ramboll US Corporation
Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: PZ-214
Date Collected: 07/19/23 12:29
Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-10
Matrix: Water

Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
18O2 PFHxS	96		25 - 150	07/26/23 05:27	07/27/23 20:33	1
13C4 PFOS	100		25 - 150	07/26/23 05:27	07/27/23 20:33	1
13C8 FOSA	124		10 - 150	07/26/23 05:27	07/27/23 20:33	1
d3-NMeFOSAA	110		25 - 150	07/26/23 05:27	07/27/23 20:33	1
d5-NEtFOSAA	109		25 - 150	07/26/23 05:27	07/27/23 20:33	1
d-N-MeFOSA-M	101		10 - 150	07/26/23 05:27	07/27/23 20:33	1
d-N-EtFOSA-M	94		10 - 150	07/26/23 05:27	07/27/23 20:33	1
d7-N-MeFOSE-M	104		10 - 150	07/26/23 05:27	07/27/23 20:33	1
d9-N-EtFOSE-M	98		10 - 150	07/26/23 05:27	07/27/23 20:33	1
M2-4:2 FTS	86		25 - 150	07/26/23 05:27	07/27/23 20:33	1
M2-6:2 FTS	83		25 - 150	07/26/23 05:27	07/27/23 20:33	1
M2-8:2 FTS	84		25 - 150	07/26/23 05:27	07/27/23 20:33	1
13C3 HFPO-DA	99		25 - 150	07/26/23 05:27	07/27/23 20:33	1

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-17

Lab Sample ID: 500-237064-11

Date Collected: 07/19/23 13:23

Matrix: Water

Date Received: 07/22/23 09:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			08/01/23 16:26	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/01/23 16:26	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/01/23 16:26	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/01/23 16:26	1
Bromoform	<0.48		1.0	0.48	ug/L			08/01/23 16:26	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/01/23 16:26	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/01/23 16:26	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/01/23 16:26	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/01/23 16:26	1
Chloroform	<0.37		2.0	0.37	ug/L			08/01/23 16:26	1
Chloromethane	<0.32		5.0	0.32	ug/L			08/01/23 16:26	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/01/23 16:26	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/01/23 16:26	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			08/01/23 16:26	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/01/23 16:26	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/01/23 16:26	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/01/23 16:26	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/01/23 16:26	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/01/23 16:26	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/01/23 16:26	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/01/23 16:26	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/01/23 16:26	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/01/23 16:26	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/01/23 16:26	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/01/23 16:26	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/01/23 16:26	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/01/23 16:26	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/01/23 16:26	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/01/23 16:26	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/01/23 16:26	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/01/23 16:26	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/01/23 16:26	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			08/01/23 16:26	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/01/23 16:26	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/01/23 16:26	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/01/23 16:26	1
Naphthalene	<0.34		1.0	0.34	ug/L			08/01/23 16:26	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/01/23 16:26	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			08/01/23 16:26	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			08/01/23 16:26	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			08/01/23 16:26	1
Styrene	<0.39		1.0	0.39	ug/L			08/01/23 16:26	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			08/01/23 16:26	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/01/23 16:26	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/01/23 16:26	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			08/01/23 16:26	1
Toluene	<0.15		0.50	0.15	ug/L			08/01/23 16:26	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			08/01/23 16:26	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/01/23 16:26	1

Eurofins Chicago

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-17

Lab Sample ID: 500-237064-11

Date Collected: 07/19/23 13:23

Matrix: Water

Date Received: 07/22/23 09:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/01/23 16:26	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/01/23 16:26	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/01/23 16:26	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/01/23 16:26	1
Trichloroethene	5.8		0.50	0.16	ug/L			08/01/23 16:26	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/01/23 16:26	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/01/23 16:26	1
1,2,4-Trimethylbenzene	0.64 J		1.0	0.36	ug/L			08/01/23 16:26	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			08/01/23 16:26	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/01/23 16:26	1
Xylenes, Total	0.25 J		1.0	0.22	ug/L			08/01/23 16:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		72 - 124		08/01/23 16:26	1
Dibromofluoromethane (Surr)	112		75 - 120		08/01/23 16:26	1
1,2-Dichloroethane-d4 (Surr)	95		75 - 126		08/01/23 16:26	1
Toluene-d8 (Surr)	109		75 - 120		08/01/23 16:26	1

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-37

Lab Sample ID: 500-237064-12

Date Collected: 07/19/23 14:05

Matrix: Water

Date Received: 07/22/23 09:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			08/01/23 16:49	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/01/23 16:49	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/01/23 16:49	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/01/23 16:49	1
Bromoform	<0.48		1.0	0.48	ug/L			08/01/23 16:49	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/01/23 16:49	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/01/23 16:49	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/01/23 16:49	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/01/23 16:49	1
Chloroform	<0.37		2.0	0.37	ug/L			08/01/23 16:49	1
Chloromethane	<0.32		5.0	0.32	ug/L			08/01/23 16:49	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/01/23 16:49	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/01/23 16:49	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			08/01/23 16:49	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/01/23 16:49	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/01/23 16:49	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/01/23 16:49	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/01/23 16:49	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/01/23 16:49	1
1,2-Dichlorobenzene	4.5		1.0	0.33	ug/L			08/01/23 16:49	1
1,3-Dichlorobenzene	1.4		1.0	0.40	ug/L			08/01/23 16:49	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/01/23 16:49	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/01/23 16:49	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/01/23 16:49	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/01/23 16:49	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/01/23 16:49	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/01/23 16:49	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/01/23 16:49	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/01/23 16:49	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/01/23 16:49	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/01/23 16:49	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/01/23 16:49	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			08/01/23 16:49	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/01/23 16:49	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/01/23 16:49	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/01/23 16:49	1
Naphthalene	<0.34		1.0	0.34	ug/L			08/01/23 16:49	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/01/23 16:49	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			08/01/23 16:49	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			08/01/23 16:49	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			08/01/23 16:49	1
Styrene	<0.39		1.0	0.39	ug/L			08/01/23 16:49	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			08/01/23 16:49	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/01/23 16:49	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/01/23 16:49	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			08/01/23 16:49	1
Toluene	<0.15		0.50	0.15	ug/L			08/01/23 16:49	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			08/01/23 16:49	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/01/23 16:49	1

Eurofins Chicago

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-37

Lab Sample ID: 500-237064-12

Date Collected: 07/19/23 14:05

Matrix: Water

Date Received: 07/22/23 09:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	21		1.0	0.46	ug/L			08/01/23 16:49	1
1,2,4-Trichlorobenzene	42		1.0	0.34	ug/L			08/01/23 16:49	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/01/23 16:49	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/01/23 16:49	1
Trichloroethene	11		0.50	0.16	ug/L			08/01/23 16:49	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/01/23 16:49	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/01/23 16:49	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			08/01/23 16:49	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			08/01/23 16:49	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/01/23 16:49	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			08/01/23 16:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		72 - 124		08/01/23 16:49	1
Dibromofluoromethane (Surr)	110		75 - 120		08/01/23 16:49	1
1,2-Dichloroethane-d4 (Surr)	96		75 - 126		08/01/23 16:49	1
Toluene-d8 (Surr)	108		75 - 120		08/01/23 16:49	1

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-19

Lab Sample ID: 500-237064-13

Date Collected: 07/19/23 15:00

Matrix: Water

Date Received: 07/22/23 09:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			08/01/23 17:12	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/01/23 17:12	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/01/23 17:12	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/01/23 17:12	1
Bromoform	<0.48		1.0	0.48	ug/L			08/01/23 17:12	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/01/23 17:12	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/01/23 17:12	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/01/23 17:12	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/01/23 17:12	1
Chloroform	<0.37		2.0	0.37	ug/L			08/01/23 17:12	1
Chloromethane	<0.32		5.0	0.32	ug/L			08/01/23 17:12	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/01/23 17:12	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/01/23 17:12	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			08/01/23 17:12	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/01/23 17:12	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/01/23 17:12	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/01/23 17:12	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/01/23 17:12	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/01/23 17:12	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/01/23 17:12	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/01/23 17:12	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/01/23 17:12	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/01/23 17:12	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/01/23 17:12	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/01/23 17:12	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/01/23 17:12	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/01/23 17:12	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/01/23 17:12	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/01/23 17:12	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/01/23 17:12	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/01/23 17:12	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/01/23 17:12	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			08/01/23 17:12	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/01/23 17:12	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/01/23 17:12	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/01/23 17:12	1
Naphthalene	<0.34		1.0	0.34	ug/L			08/01/23 17:12	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/01/23 17:12	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			08/01/23 17:12	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			08/01/23 17:12	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			08/01/23 17:12	1
Styrene	<0.39		1.0	0.39	ug/L			08/01/23 17:12	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			08/01/23 17:12	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/01/23 17:12	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/01/23 17:12	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			08/01/23 17:12	1
Toluene	<0.15		0.50	0.15	ug/L			08/01/23 17:12	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			08/01/23 17:12	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/01/23 17:12	1

Eurofins Chicago

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-19

Lab Sample ID: 500-237064-13

Date Collected: 07/19/23 15:00

Matrix: Water

Date Received: 07/22/23 09:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/01/23 17:12	1
1,2,4-Trichlorobenzene	0.62	J	1.0	0.34	ug/L			08/01/23 17:12	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/01/23 17:12	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/01/23 17:12	1
Trichloroethene	6.1		0.50	0.16	ug/L			08/01/23 17:12	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/01/23 17:12	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/01/23 17:12	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			08/01/23 17:12	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			08/01/23 17:12	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/01/23 17:12	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			08/01/23 17:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		72 - 124		08/01/23 17:12	1
Dibromofluoromethane (Surr)	110		75 - 120		08/01/23 17:12	1
1,2-Dichloroethane-d4 (Surr)	97		75 - 126		08/01/23 17:12	1
Toluene-d8 (Surr)	108		75 - 120		08/01/23 17:12	1

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: EB-03
Date Collected: 07/19/23 15:20
Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-14
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			08/01/23 17:35	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/01/23 17:35	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/01/23 17:35	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/01/23 17:35	1
Bromoform	<0.48		1.0	0.48	ug/L			08/01/23 17:35	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/01/23 17:35	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/01/23 17:35	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/01/23 17:35	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/01/23 17:35	1
Chloroform	<0.37		2.0	0.37	ug/L			08/01/23 17:35	1
Chloromethane	<0.32		5.0	0.32	ug/L			08/01/23 17:35	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/01/23 17:35	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/01/23 17:35	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			08/01/23 17:35	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/01/23 17:35	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/01/23 17:35	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/01/23 17:35	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/01/23 17:35	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/01/23 17:35	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/01/23 17:35	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/01/23 17:35	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/01/23 17:35	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/01/23 17:35	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/01/23 17:35	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/01/23 17:35	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/01/23 17:35	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/01/23 17:35	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/01/23 17:35	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/01/23 17:35	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/01/23 17:35	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/01/23 17:35	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/01/23 17:35	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			08/01/23 17:35	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/01/23 17:35	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/01/23 17:35	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/01/23 17:35	1
Naphthalene	<0.34		1.0	0.34	ug/L			08/01/23 17:35	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/01/23 17:35	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			08/01/23 17:35	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			08/01/23 17:35	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			08/01/23 17:35	1
Styrene	<0.39		1.0	0.39	ug/L			08/01/23 17:35	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			08/01/23 17:35	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/01/23 17:35	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/01/23 17:35	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			08/01/23 17:35	1
Toluene	0.30	J	0.50	0.15	ug/L			08/01/23 17:35	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			08/01/23 17:35	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/01/23 17:35	1

Eurofins Chicago

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: EB-03
Date Collected: 07/19/23 15:20
Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-14
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/01/23 17:35	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/01/23 17:35	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/01/23 17:35	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/01/23 17:35	1
Trichloroethene	<0.16		0.50	0.16	ug/L			08/01/23 17:35	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/01/23 17:35	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/01/23 17:35	1
1,2,4-Trimethylbenzene	0.46	J	1.0	0.36	ug/L			08/01/23 17:35	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			08/01/23 17:35	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/01/23 17:35	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			08/01/23 17:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		72 - 124					08/01/23 17:35	1
Dibromofluoromethane (Surr)	112		75 - 120					08/01/23 17:35	1
1,2-Dichloroethane-d4 (Surr)	99		75 - 126					08/01/23 17:35	1
Toluene-d8 (Surr)	110		75 - 120					08/01/23 17:35	1

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.3		4.8	2.3	ng/L		07/26/23 05:27	07/27/23 21:04	1
Perfluoropentanoic acid (PFPeA)	<0.47		1.9	0.47	ng/L		07/26/23 05:27	07/27/23 21:04	1
Perfluorohexanoic acid (PFHxA)	<0.55		1.9	0.55	ng/L		07/26/23 05:27	07/27/23 21:04	1
Perfluoroheptanoic acid (PFHpA)	<0.24		1.9	0.24	ng/L		07/26/23 05:27	07/27/23 21:04	1
Perfluorooctanoic acid (PFOA)	<0.81		1.9	0.81	ng/L		07/26/23 05:27	07/27/23 21:04	1
Perfluorononanoic acid (PFNA)	<0.26		1.9	0.26	ng/L		07/26/23 05:27	07/27/23 21:04	1
Perfluorodecanoic acid (PFDA)	<0.30		1.9	0.30	ng/L		07/26/23 05:27	07/27/23 21:04	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		07/26/23 05:27	07/27/23 21:04	1
Perfluorododecanoic acid (PFDoA)	<0.52		1.9	0.52	ng/L		07/26/23 05:27	07/27/23 21:04	1
Perfluorotridecanoic acid (PFTriA)	<1.2		1.9	1.2	ng/L		07/26/23 05:27	07/27/23 21:04	1
Perfluorotetradecanoic acid (PFTeA)	<0.70		1.9	0.70	ng/L		07/26/23 05:27	07/27/23 21:04	1
Perfluorobutanesulfonic acid (PFBS)	<0.19		1.9	0.19	ng/L		07/26/23 05:27	07/27/23 21:04	1
Perfluoropentanesulfonic acid (PFPeS)	<0.29		1.9	0.29	ng/L		07/26/23 05:27	07/27/23 21:04	1
Perfluorohexanesulfonic acid (PFHxS)	<0.54		1.9	0.54	ng/L		07/26/23 05:27	07/27/23 21:04	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.18		1.9	0.18	ng/L		07/26/23 05:27	07/27/23 21:04	1
Perfluorooctanesulfonic acid (PFOS)	<0.51		1.9	0.51	ng/L		07/26/23 05:27	07/27/23 21:04	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		07/26/23 05:27	07/27/23 21:04	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		07/26/23 05:27	07/27/23 21:04	1
Perfluorododecanesulfonic acid (PFDoS)	<0.92		1.9	0.92	ng/L		07/26/23 05:27	07/27/23 21:04	1
Perfluorooctanesulfonamide (FOSA)	<0.93		1.9	0.93	ng/L		07/26/23 05:27	07/27/23 21:04	1
NEtFOSA	<0.83		1.9	0.83	ng/L		07/26/23 05:27	07/27/23 21:04	1
NMeFOSA	<0.41		1.9	0.41	ng/L		07/26/23 05:27	07/27/23 21:04	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<1.1		4.8	1.1	ng/L		07/26/23 05:27	07/27/23 21:04	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<1.2		4.8	1.2	ng/L		07/26/23 05:27	07/27/23 21:04	1
NMeFOSE	<1.3		3.8	1.3	ng/L		07/26/23 05:27	07/27/23 21:04	1
NEtFOSE	<0.81		1.9	0.81	ng/L		07/26/23 05:27	07/27/23 21:04	1

Eurofins Chicago

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: EB-03
Date Collected: 07/19/23 15:20
Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-14
Matrix: Water

Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4:2 FTS	<0.23		1.9	0.23	ng/L		07/26/23 05:27	07/27/23 21:04	1
6:2 FTS	<2.4		4.8	2.4	ng/L		07/26/23 05:27	07/27/23 21:04	1
8:2 FTS	<0.44		1.9	0.44	ng/L		07/26/23 05:27	07/27/23 21:04	1
DONA	<0.38		1.9	0.38	ng/L		07/26/23 05:27	07/27/23 21:04	1
HFPO-DA (GenX)	<1.4		3.8	1.4	ng/L		07/26/23 05:27	07/27/23 21:04	1
F-53B Major	<0.23		1.9	0.23	ng/L		07/26/23 05:27	07/27/23 21:04	1
F-53B Minor	<0.30		1.9	0.30	ng/L		07/26/23 05:27	07/27/23 21:04	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	98		25 - 150				07/26/23 05:27	07/27/23 21:04	1
13C5 PFPeA	101		25 - 150				07/26/23 05:27	07/27/23 21:04	1
13C2 PFHxA	96		25 - 150				07/26/23 05:27	07/27/23 21:04	1
13C4 PFHpA	99		25 - 150				07/26/23 05:27	07/27/23 21:04	1
13C4 PFOA	103		25 - 150				07/26/23 05:27	07/27/23 21:04	1
13C5 PFNA	102		25 - 150				07/26/23 05:27	07/27/23 21:04	1
13C2 PFDA	104		25 - 150				07/26/23 05:27	07/27/23 21:04	1
13C2 PFUnA	107		25 - 150				07/26/23 05:27	07/27/23 21:04	1
13C2 PFDoA	105		25 - 150				07/26/23 05:27	07/27/23 21:04	1
13C2 PFTeDA	105		25 - 150				07/26/23 05:27	07/27/23 21:04	1
13C3 PFBS	100		25 - 150				07/26/23 05:27	07/27/23 21:04	1
18O2 PFHxS	100		25 - 150				07/26/23 05:27	07/27/23 21:04	1
13C4 PFOS	101		25 - 150				07/26/23 05:27	07/27/23 21:04	1
13C8 FOSA	121		10 - 150				07/26/23 05:27	07/27/23 21:04	1
d3-NMeFOSAA	116		25 - 150				07/26/23 05:27	07/27/23 21:04	1
d5-NEtFOSAA	121		25 - 150				07/26/23 05:27	07/27/23 21:04	1
d-N-MeFOSA-M	96		10 - 150				07/26/23 05:27	07/27/23 21:04	1
d-N-EtFOSA-M	99		10 - 150				07/26/23 05:27	07/27/23 21:04	1
d7-N-MeFOSE-M	119		10 - 150				07/26/23 05:27	07/27/23 21:04	1
d9-N-EtFOSE-M	112		10 - 150				07/26/23 05:27	07/27/23 21:04	1
M2-4:2 FTS	87		25 - 150				07/26/23 05:27	07/27/23 21:04	1
M2-6:2 FTS	81		25 - 150				07/26/23 05:27	07/27/23 21:04	1
M2-8:2 FTS	81		25 - 150				07/26/23 05:27	07/27/23 21:04	1
13C3 HFPO-DA	98		25 - 150				07/26/23 05:27	07/27/23 21:04	1

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: FB-03
Date Collected: 07/19/23 15:25
Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-15
Matrix: Water

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.5		5.2	2.5	ng/L		07/26/23 05:27	07/27/23 21:14	1
Perfluoropentanoic acid (PFPeA)	<0.51		2.1	0.51	ng/L		07/26/23 05:27	07/27/23 21:14	1
Perfluorohexanoic acid (PFHxA)	<0.60		2.1	0.60	ng/L		07/26/23 05:27	07/27/23 21:14	1
Perfluoroheptanoic acid (PFHpA)	<0.26		2.1	0.26	ng/L		07/26/23 05:27	07/27/23 21:14	1
Perfluorooctanoic acid (PFOA)	<0.88		2.1	0.88	ng/L		07/26/23 05:27	07/27/23 21:14	1
Perfluorononanoic acid (PFNA)	<0.28		2.1	0.28	ng/L		07/26/23 05:27	07/27/23 21:14	1
Perfluorodecanoic acid (PFDA)	<0.32		2.1	0.32	ng/L		07/26/23 05:27	07/27/23 21:14	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.1	1.1	ng/L		07/26/23 05:27	07/27/23 21:14	1
Perfluorododecanoic acid (PFDoA)	<0.57		2.1	0.57	ng/L		07/26/23 05:27	07/27/23 21:14	1
Perfluorotridecanoic acid (PFTriA)	<1.4		2.1	1.4	ng/L		07/26/23 05:27	07/27/23 21:14	1
Perfluorotetradecanoic acid (PFTeA)	<0.76		2.1	0.76	ng/L		07/26/23 05:27	07/27/23 21:14	1
Perfluorobutanesulfonic acid (PFBS)	<0.21		2.1	0.21	ng/L		07/26/23 05:27	07/27/23 21:14	1
Perfluoropentanesulfonic acid (PFPeS)	<0.31		2.1	0.31	ng/L		07/26/23 05:27	07/27/23 21:14	1
Perfluorohexanesulfonic acid (PFHxS)	<0.59		2.1	0.59	ng/L		07/26/23 05:27	07/27/23 21:14	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.20		2.1	0.20	ng/L		07/26/23 05:27	07/27/23 21:14	1
Perfluorooctanesulfonic acid (PFOS)	<0.56		2.1	0.56	ng/L		07/26/23 05:27	07/27/23 21:14	1
Perfluorononanesulfonic acid (PFNS)	<0.38		2.1	0.38	ng/L		07/26/23 05:27	07/27/23 21:14	1
Perfluorodecanesulfonic acid (PFDS)	<0.33		2.1	0.33	ng/L		07/26/23 05:27	07/27/23 21:14	1
Perfluorododecanesulfonic acid (PFDoS)	<1.0		2.1	1.0	ng/L		07/26/23 05:27	07/27/23 21:14	1
Perfluorooctanesulfonamide (FOSA)	<1.0		2.1	1.0	ng/L		07/26/23 05:27	07/27/23 21:14	1
NEtFOSA	<0.90		2.1	0.90	ng/L		07/26/23 05:27	07/27/23 21:14	1
NMeFOSA	<0.45		2.1	0.45	ng/L		07/26/23 05:27	07/27/23 21:14	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<1.2		5.2	1.2	ng/L		07/26/23 05:27	07/27/23 21:14	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<1.4		5.2	1.4	ng/L		07/26/23 05:27	07/27/23 21:14	1
NMeFOSE	<1.5		4.2	1.5	ng/L		07/26/23 05:27	07/27/23 21:14	1
NEtFOSE	<0.88		2.1	0.88	ng/L		07/26/23 05:27	07/27/23 21:14	1
4:2 FTS	<0.25		2.1	0.25	ng/L		07/26/23 05:27	07/27/23 21:14	1
6:2 FTS	<2.6		5.2	2.6	ng/L		07/26/23 05:27	07/27/23 21:14	1
8:2 FTS	<0.48		2.1	0.48	ng/L		07/26/23 05:27	07/27/23 21:14	1
DONA	<0.42		2.1	0.42	ng/L		07/26/23 05:27	07/27/23 21:14	1
HFPO-DA (GenX)	<1.6		4.2	1.6	ng/L		07/26/23 05:27	07/27/23 21:14	1
F-53B Major	<0.25		2.1	0.25	ng/L		07/26/23 05:27	07/27/23 21:14	1
F-53B Minor	<0.33		2.1	0.33	ng/L		07/26/23 05:27	07/27/23 21:14	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	103		25 - 150	07/26/23 05:27	07/27/23 21:14	1
13C5 PFPeA	103		25 - 150	07/26/23 05:27	07/27/23 21:14	1
13C2 PFHxA	100		25 - 150	07/26/23 05:27	07/27/23 21:14	1
13C4 PFHpA	104		25 - 150	07/26/23 05:27	07/27/23 21:14	1
13C4 PFOA	101		25 - 150	07/26/23 05:27	07/27/23 21:14	1
13C5 PFNA	106		25 - 150	07/26/23 05:27	07/27/23 21:14	1
13C2 PFDA	110		25 - 150	07/26/23 05:27	07/27/23 21:14	1
13C2 PFUnA	114		25 - 150	07/26/23 05:27	07/27/23 21:14	1
13C2 PFDoA	105		25 - 150	07/26/23 05:27	07/27/23 21:14	1
13C2 PFTeDA	103		25 - 150	07/26/23 05:27	07/27/23 21:14	1
13C3 PFBS	99		25 - 150	07/26/23 05:27	07/27/23 21:14	1

Eurofins Chicago

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: FB-03
Date Collected: 07/19/23 15:25
Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-15
Matrix: Water

Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
18O2 PFHxS	104		25 - 150	07/26/23 05:27	07/27/23 21:14	1
13C4 PFOS	105		25 - 150	07/26/23 05:27	07/27/23 21:14	1
13C8 FOSA	122		10 - 150	07/26/23 05:27	07/27/23 21:14	1
d3-NMeFOSAA	126		25 - 150	07/26/23 05:27	07/27/23 21:14	1
d5-NEtFOSAA	124		25 - 150	07/26/23 05:27	07/27/23 21:14	1
d-N-MeFOSA-M	86		10 - 150	07/26/23 05:27	07/27/23 21:14	1
d-N-EtFOSA-M	86		10 - 150	07/26/23 05:27	07/27/23 21:14	1
d7-N-MeFOSE-M	115		10 - 150	07/26/23 05:27	07/27/23 21:14	1
d9-N-EtFOSE-M	107		10 - 150	07/26/23 05:27	07/27/23 21:14	1
M2-4:2 FTS	88		25 - 150	07/26/23 05:27	07/27/23 21:14	1
M2-6:2 FTS	90		25 - 150	07/26/23 05:27	07/27/23 21:14	1
M2-8:2 FTS	89		25 - 150	07/26/23 05:27	07/27/23 21:14	1
13C3 HFPO-DA	98		25 - 150	07/26/23 05:27	07/27/23 21:14	1

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-48

Lab Sample ID: 500-237064-16

Date Collected: 07/20/23 08:00

Matrix: Water

Date Received: 07/22/23 09:50

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	6.9		5.2	2.5	ng/L		07/26/23 05:27	07/27/23 21:24	1
Perfluoropentanoic acid (PFPeA)	2.4		2.1	0.51	ng/L		07/26/23 05:27	07/27/23 21:24	1
Perfluorohexanoic acid (PFHxA)	10		2.1	0.60	ng/L		07/26/23 05:27	07/27/23 21:24	1
Perfluoroheptanoic acid (PFHpA)	35		2.1	0.26	ng/L		07/26/23 05:27	07/27/23 21:24	1
Perfluorononanoic acid (PFNA)	1.9	J	2.1	0.28	ng/L		07/26/23 05:27	07/27/23 21:24	1
Perfluorodecanoic acid (PFDA)	0.37	J	2.1	0.32	ng/L		07/26/23 05:27	07/27/23 21:24	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.1	1.1	ng/L		07/26/23 05:27	07/27/23 21:24	1
Perfluorododecanoic acid (PFDoA)	<0.57		2.1	0.57	ng/L		07/26/23 05:27	07/27/23 21:24	1
Perfluorotridecanoic acid (PFTriA)	<1.3		2.1	1.3	ng/L		07/26/23 05:27	07/27/23 21:24	1
Perfluorotetradecanoic acid (PFTeA)	<0.76		2.1	0.76	ng/L		07/26/23 05:27	07/27/23 21:24	1
Perfluorobutanesulfonic acid (PFBS)	1.3	J	2.1	0.21	ng/L		07/26/23 05:27	07/27/23 21:24	1
Perfluoropentanesulfonic acid (PFPeS)	<0.31		2.1	0.31	ng/L		07/26/23 05:27	07/27/23 21:24	1
Perfluorohexanesulfonic acid (PFHxS)	1.5	J	2.1	0.59	ng/L		07/26/23 05:27	07/27/23 21:24	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.20		2.1	0.20	ng/L		07/26/23 05:27	07/27/23 21:24	1
Perfluorooctanesulfonic acid (PFOS)	9.6		2.1	0.56	ng/L		07/26/23 05:27	07/27/23 21:24	1
Perfluorononanesulfonic acid (PFNS)	<0.38		2.1	0.38	ng/L		07/26/23 05:27	07/27/23 21:24	1
Perfluorodecanesulfonic acid (PFDS)	<0.33		2.1	0.33	ng/L		07/26/23 05:27	07/27/23 21:24	1
Perfluorododecanesulfonic acid (PFDoS)	<1.0		2.1	1.0	ng/L		07/26/23 05:27	07/27/23 21:24	1
Perfluorooctanesulfonamide (FOSA)	<1.0		2.1	1.0	ng/L		07/26/23 05:27	07/27/23 21:24	1
NEtFOSA	<0.90		2.1	0.90	ng/L		07/26/23 05:27	07/27/23 21:24	1
NMeFOSA	<0.44		2.1	0.44	ng/L		07/26/23 05:27	07/27/23 21:24	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<1.2		5.2	1.2	ng/L		07/26/23 05:27	07/27/23 21:24	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<1.3		5.2	1.3	ng/L		07/26/23 05:27	07/27/23 21:24	1
NMeFOSE	<1.4		4.1	1.4	ng/L		07/26/23 05:27	07/27/23 21:24	1
NEtFOSE	<0.88		2.1	0.88	ng/L		07/26/23 05:27	07/27/23 21:24	1
4:2 FTS	<0.25		2.1	0.25	ng/L		07/26/23 05:27	07/27/23 21:24	1
6:2 FTS	<2.6		5.2	2.6	ng/L		07/26/23 05:27	07/27/23 21:24	1
8:2 FTS	<0.48		2.1	0.48	ng/L		07/26/23 05:27	07/27/23 21:24	1
DONA	<0.41		2.1	0.41	ng/L		07/26/23 05:27	07/27/23 21:24	1
HFPO-DA (GenX)	<1.6		4.1	1.6	ng/L		07/26/23 05:27	07/27/23 21:24	1
F-53B Major	<0.25		2.1	0.25	ng/L		07/26/23 05:27	07/27/23 21:24	1
F-53B Minor	<0.33		2.1	0.33	ng/L		07/26/23 05:27	07/27/23 21:24	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	66		25 - 150	07/26/23 05:27	07/27/23 21:24	1
13C5 PFPeA	81		25 - 150	07/26/23 05:27	07/27/23 21:24	1
13C2 PFHxA	89		25 - 150	07/26/23 05:27	07/27/23 21:24	1
13C4 PFHpA	89		25 - 150	07/26/23 05:27	07/27/23 21:24	1
13C4 PFOA	98		25 - 150	07/26/23 05:27	07/27/23 21:24	1
13C5 PFNA	92		25 - 150	07/26/23 05:27	07/27/23 21:24	1
13C2 PFDA	91		25 - 150	07/26/23 05:27	07/27/23 21:24	1
13C2 PFUnA	84		25 - 150	07/26/23 05:27	07/27/23 21:24	1
13C2 PFDoA	69		25 - 150	07/26/23 05:27	07/27/23 21:24	1
13C2 PFTeDA	68		25 - 150	07/26/23 05:27	07/27/23 21:24	1

Eurofins Chicago

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-48

Lab Sample ID: 500-237064-16

Date Collected: 07/20/23 08:00

Matrix: Water

Date Received: 07/22/23 09:50

Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C3 PFBS	87		25 - 150	07/26/23 05:27	07/27/23 21:24	1
18O2 PFHxS	91		25 - 150	07/26/23 05:27	07/27/23 21:24	1
13C4 PFOS	89		25 - 150	07/26/23 05:27	07/27/23 21:24	1
13C8 FOSA	110		10 - 150	07/26/23 05:27	07/27/23 21:24	1
d3-NMeFOSAA	92		25 - 150	07/26/23 05:27	07/27/23 21:24	1
d5-NEtFOSAA	87		25 - 150	07/26/23 05:27	07/27/23 21:24	1
d-N-MeFOSA-M	73		10 - 150	07/26/23 05:27	07/27/23 21:24	1
d-N-EtFOSA-M	70		10 - 150	07/26/23 05:27	07/27/23 21:24	1
d7-N-MeFOSE-M	75		10 - 150	07/26/23 05:27	07/27/23 21:24	1
d9-N-EtFOSE-M	68		10 - 150	07/26/23 05:27	07/27/23 21:24	1
M2-4:2 FTS	97		25 - 150	07/26/23 05:27	07/27/23 21:24	1
M2-6:2 FTS	80		25 - 150	07/26/23 05:27	07/27/23 21:24	1
M2-8:2 FTS	76		25 - 150	07/26/23 05:27	07/27/23 21:24	1
13C3 HFPO-DA	86		25 - 150	07/26/23 05:27	07/27/23 21:24	1

Method: EPA 537 (modified) - Fluorinated Alkyl Substances - DL

<i>Analyte</i>	<i>Result</i>	<i>Qualifier</i>	<i>RL</i>	<i>MDL</i>	<i>Unit</i>	<i>D</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
Perfluorooctanoic acid (PFOA)	970		21	8.8	ng/L		07/26/23 05:27	07/30/23 07:57	10

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C4 PFOA	101		25 - 150	07/26/23 05:27	07/30/23 07:57	10

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-3
Date Collected: 07/20/23 08:50
Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-17
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			08/01/23 17:57	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/01/23 17:57	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/01/23 17:57	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/01/23 17:57	1
Bromoform	<0.48		1.0	0.48	ug/L			08/01/23 17:57	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/01/23 17:57	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/01/23 17:57	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/01/23 17:57	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/01/23 17:57	1
Chloroform	<0.37		2.0	0.37	ug/L			08/01/23 17:57	1
Chloromethane	<0.32		5.0	0.32	ug/L			08/01/23 17:57	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/01/23 17:57	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/01/23 17:57	1
cis-1,2-Dichloroethene	0.56	J	1.0	0.41	ug/L			08/01/23 17:57	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/01/23 17:57	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/01/23 17:57	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/01/23 17:57	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/01/23 17:57	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/01/23 17:57	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/01/23 17:57	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/01/23 17:57	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/01/23 17:57	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/01/23 17:57	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/01/23 17:57	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/01/23 17:57	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/01/23 17:57	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/01/23 17:57	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/01/23 17:57	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/01/23 17:57	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/01/23 17:57	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/01/23 17:57	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/01/23 17:57	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			08/01/23 17:57	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/01/23 17:57	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/01/23 17:57	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/01/23 17:57	1
Naphthalene	<0.34		1.0	0.34	ug/L			08/01/23 17:57	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/01/23 17:57	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			08/01/23 17:57	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			08/01/23 17:57	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			08/01/23 17:57	1
Styrene	<0.39		1.0	0.39	ug/L			08/01/23 17:57	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			08/01/23 17:57	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/01/23 17:57	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/01/23 17:57	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			08/01/23 17:57	1
Toluene	<0.15		0.50	0.15	ug/L			08/01/23 17:57	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			08/01/23 17:57	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/01/23 17:57	1

Eurofins Chicago

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-3

Lab Sample ID: 500-237064-17

Date Collected: 07/20/23 08:50

Matrix: Water

Date Received: 07/22/23 09:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/01/23 17:57	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/01/23 17:57	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/01/23 17:57	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/01/23 17:57	1
Trichloroethene	4.4		0.50	0.16	ug/L			08/01/23 17:57	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/01/23 17:57	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/01/23 17:57	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			08/01/23 17:57	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			08/01/23 17:57	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/01/23 17:57	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			08/01/23 17:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		72 - 124		08/01/23 17:57	1
Dibromofluoromethane (Surr)	111		75 - 120		08/01/23 17:57	1
1,2-Dichloroethane-d4 (Surr)	98		75 - 126		08/01/23 17:57	1
Toluene-d8 (Surr)	108		75 - 120		08/01/23 17:57	1

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-5
Date Collected: 07/20/23 09:15
Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-18
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.6		0.50	0.15	ug/L			08/01/23 18:20	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/01/23 18:20	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/01/23 18:20	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/01/23 18:20	1
Bromoform	<0.48		1.0	0.48	ug/L			08/01/23 18:20	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/01/23 18:20	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/01/23 18:20	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/01/23 18:20	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/01/23 18:20	1
Chloroform	<0.37		2.0	0.37	ug/L			08/01/23 18:20	1
Chloromethane	<0.32		5.0	0.32	ug/L			08/01/23 18:20	1
2-Chlorotoluene	38		1.0	0.31	ug/L			08/01/23 18:20	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/01/23 18:20	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			08/01/23 18:20	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/01/23 18:20	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/01/23 18:20	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/01/23 18:20	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/01/23 18:20	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/01/23 18:20	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/01/23 18:20	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/01/23 18:20	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/01/23 18:20	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/01/23 18:20	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/01/23 18:20	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/01/23 18:20	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/01/23 18:20	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/01/23 18:20	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/01/23 18:20	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/01/23 18:20	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/01/23 18:20	1
Ethylbenzene	41		0.50	0.18	ug/L			08/01/23 18:20	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/01/23 18:20	1
Isopropylbenzene	75		1.0	0.39	ug/L			08/01/23 18:20	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/01/23 18:20	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/01/23 18:20	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/01/23 18:20	1
Naphthalene	160		1.0	0.34	ug/L			08/01/23 18:20	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/01/23 18:20	1
N-Propylbenzene	100		1.0	0.41	ug/L			08/01/23 18:20	1
p-Isopropyltoluene	20		1.0	0.36	ug/L			08/01/23 18:20	1
sec-Butylbenzene	16		1.0	0.40	ug/L			08/01/23 18:20	1
Styrene	<0.39		1.0	0.39	ug/L			08/01/23 18:20	1
tert-Butylbenzene	3.0		1.0	0.40	ug/L			08/01/23 18:20	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/01/23 18:20	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/01/23 18:20	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			08/01/23 18:20	1
Toluene	0.66		0.50	0.15	ug/L			08/01/23 18:20	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			08/01/23 18:20	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/01/23 18:20	1

Eurofins Chicago

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-5
Date Collected: 07/20/23 09:15
Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-18
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/01/23 18:20	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/01/23 18:20	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/01/23 18:20	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/01/23 18:20	1
Trichloroethene	<0.16		0.50	0.16	ug/L			08/01/23 18:20	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/01/23 18:20	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/01/23 18:20	1
1,3,5-Trimethylbenzene	53		1.0	0.25	ug/L			08/01/23 18:20	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/01/23 18:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		72 - 124		08/01/23 18:20	1
Dibromofluoromethane (Surr)	110		75 - 120		08/01/23 18:20	1
1,2-Dichloroethane-d4 (Surr)	96		75 - 126		08/01/23 18:20	1
Toluene-d8 (Surr)	110		75 - 120		08/01/23 18:20	1

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	990		10	3.6	ug/L			08/01/23 18:43	10
Xylenes, Total	480		10	2.2	ug/L			08/01/23 18:43	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		72 - 124		08/01/23 18:43	10
Dibromofluoromethane (Surr)	111		75 - 120		08/01/23 18:43	10
1,2-Dichloroethane-d4 (Surr)	95		75 - 126		08/01/23 18:43	10
Toluene-d8 (Surr)	109		75 - 120		08/01/23 18:43	10

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-8

Lab Sample ID: 500-237064-19

Date Collected: 07/20/23 09:55

Matrix: Water

Date Received: 07/22/23 09:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			08/01/23 19:06	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/01/23 19:06	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/01/23 19:06	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/01/23 19:06	1
Bromoform	<0.48		1.0	0.48	ug/L			08/01/23 19:06	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/01/23 19:06	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/01/23 19:06	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/01/23 19:06	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/01/23 19:06	1
Chloroform	<0.37		2.0	0.37	ug/L			08/01/23 19:06	1
Chloromethane	<0.32		5.0	0.32	ug/L			08/01/23 19:06	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/01/23 19:06	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/01/23 19:06	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			08/01/23 19:06	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/01/23 19:06	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/01/23 19:06	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/01/23 19:06	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/01/23 19:06	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/01/23 19:06	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/01/23 19:06	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/01/23 19:06	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/01/23 19:06	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/01/23 19:06	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/01/23 19:06	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/01/23 19:06	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/01/23 19:06	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/01/23 19:06	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/01/23 19:06	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/01/23 19:06	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/01/23 19:06	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/01/23 19:06	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/01/23 19:06	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			08/01/23 19:06	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/01/23 19:06	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/01/23 19:06	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/01/23 19:06	1
Naphthalene	1.8		1.0	0.34	ug/L			08/01/23 19:06	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/01/23 19:06	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			08/01/23 19:06	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			08/01/23 19:06	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			08/01/23 19:06	1
Styrene	<0.39		1.0	0.39	ug/L			08/01/23 19:06	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			08/01/23 19:06	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/01/23 19:06	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/01/23 19:06	1
Tetrachloroethene	1.1		1.0	0.37	ug/L			08/01/23 19:06	1
Toluene	<0.15		0.50	0.15	ug/L			08/01/23 19:06	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			08/01/23 19:06	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/01/23 19:06	1

Eurofins Chicago

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-8

Lab Sample ID: 500-237064-19

Date Collected: 07/20/23 09:55

Matrix: Water

Date Received: 07/22/23 09:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/01/23 19:06	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/01/23 19:06	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/01/23 19:06	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/01/23 19:06	1
Trichloroethene	0.81		0.50	0.16	ug/L			08/01/23 19:06	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/01/23 19:06	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/01/23 19:06	1
1,2,4-Trimethylbenzene	1.0		1.0	0.36	ug/L			08/01/23 19:06	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			08/01/23 19:06	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/01/23 19:06	1
Xylenes, Total	0.49 J		1.0	0.22	ug/L			08/01/23 19:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		72 - 124		08/01/23 19:06	1
Dibromofluoromethane (Surr)	112		75 - 120		08/01/23 19:06	1
1,2-Dichloroethane-d4 (Surr)	94		75 - 126		08/01/23 19:06	1
Toluene-d8 (Surr)	110		75 - 120		08/01/23 19:06	1

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-31

Lab Sample ID: 500-237064-20

Date Collected: 07/20/23 10:45

Matrix: Water

Date Received: 07/22/23 09:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			08/01/23 19:28	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/01/23 19:28	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/01/23 19:28	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/01/23 19:28	1
Bromoform	<0.48		1.0	0.48	ug/L			08/01/23 19:28	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/01/23 19:28	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/01/23 19:28	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/01/23 19:28	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/01/23 19:28	1
Chloroform	<0.37		2.0	0.37	ug/L			08/01/23 19:28	1
Chloromethane	<0.32		5.0	0.32	ug/L			08/01/23 19:28	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/01/23 19:28	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/01/23 19:28	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			08/01/23 19:28	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/01/23 19:28	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/01/23 19:28	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/01/23 19:28	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/01/23 19:28	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/01/23 19:28	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/01/23 19:28	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/01/23 19:28	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/01/23 19:28	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/01/23 19:28	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/01/23 19:28	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/01/23 19:28	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/01/23 19:28	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/01/23 19:28	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/01/23 19:28	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/01/23 19:28	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/01/23 19:28	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/01/23 19:28	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/01/23 19:28	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			08/01/23 19:28	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/01/23 19:28	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/01/23 19:28	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/01/23 19:28	1
Naphthalene	0.63	J	1.0	0.34	ug/L			08/01/23 19:28	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/01/23 19:28	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			08/01/23 19:28	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			08/01/23 19:28	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			08/01/23 19:28	1
Styrene	<0.39		1.0	0.39	ug/L			08/01/23 19:28	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			08/01/23 19:28	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/01/23 19:28	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/01/23 19:28	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			08/01/23 19:28	1
Toluene	<0.15		0.50	0.15	ug/L			08/01/23 19:28	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			08/01/23 19:28	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/01/23 19:28	1

Eurofins Chicago

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-31

Lab Sample ID: 500-237064-20

Date Collected: 07/20/23 10:45

Matrix: Water

Date Received: 07/22/23 09:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/01/23 19:28	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/01/23 19:28	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/01/23 19:28	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/01/23 19:28	1
Trichloroethene	1.6		0.50	0.16	ug/L			08/01/23 19:28	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/01/23 19:28	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/01/23 19:28	1
1,2,4-Trimethylbenzene	0.52 J		1.0	0.36	ug/L			08/01/23 19:28	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			08/01/23 19:28	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/01/23 19:28	1
Xylenes, Total	0.29 J		1.0	0.22	ug/L			08/01/23 19:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		72 - 124		08/01/23 19:28	1
Dibromofluoromethane (Surr)	107		75 - 120		08/01/23 19:28	1
1,2-Dichloroethane-d4 (Surr)	95		75 - 126		08/01/23 19:28	1
Toluene-d8 (Surr)	110		75 - 120		08/01/23 19:28	1

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-16

Lab Sample ID: 500-237064-21

Date Collected: 07/20/23 11:45

Matrix: Water

Date Received: 07/22/23 09:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			08/02/23 15:28	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/02/23 15:28	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/02/23 15:28	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/02/23 15:28	1
Bromoform	<0.48		1.0	0.48	ug/L			08/02/23 15:28	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/02/23 15:28	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/02/23 15:28	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/02/23 15:28	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/02/23 15:28	1
Chloroform	<0.37		2.0	0.37	ug/L			08/02/23 15:28	1
Chloromethane	<0.32		5.0	0.32	ug/L			08/02/23 15:28	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/02/23 15:28	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/02/23 15:28	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			08/02/23 15:28	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/02/23 15:28	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/02/23 15:28	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/02/23 15:28	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/02/23 15:28	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/02/23 15:28	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/02/23 15:28	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/02/23 15:28	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/02/23 15:28	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/02/23 15:28	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/02/23 15:28	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/02/23 15:28	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/02/23 15:28	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/02/23 15:28	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/02/23 15:28	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/02/23 15:28	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/02/23 15:28	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/02/23 15:28	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/02/23 15:28	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			08/02/23 15:28	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/02/23 15:28	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/02/23 15:28	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/02/23 15:28	1
Naphthalene	0.41	J	1.0	0.34	ug/L			08/02/23 15:28	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/02/23 15:28	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			08/02/23 15:28	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			08/02/23 15:28	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			08/02/23 15:28	1
Styrene	<0.39		1.0	0.39	ug/L			08/02/23 15:28	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			08/02/23 15:28	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/02/23 15:28	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/02/23 15:28	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			08/02/23 15:28	1
Toluene	<0.15		0.50	0.15	ug/L			08/02/23 15:28	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			08/02/23 15:28	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/02/23 15:28	1

Euofins Chicago

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-16

Lab Sample ID: 500-237064-21

Date Collected: 07/20/23 11:45

Matrix: Water

Date Received: 07/22/23 09:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/02/23 15:28	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/02/23 15:28	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/02/23 15:28	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/02/23 15:28	1
Trichloroethene	0.90		0.50	0.16	ug/L			08/02/23 15:28	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/02/23 15:28	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/02/23 15:28	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			08/02/23 15:28	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			08/02/23 15:28	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/02/23 15:28	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			08/02/23 15:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		72 - 124		08/02/23 15:28	1
Dibromofluoromethane (Surr)	100		75 - 120		08/02/23 15:28	1
1,2-Dichloroethane-d4 (Surr)	101		75 - 126		08/02/23 15:28	1
Toluene-d8 (Surr)	94		75 - 120		08/02/23 15:28	1

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-15

Lab Sample ID: 500-237064-22

Date Collected: 07/20/23 12:35

Matrix: Water

Date Received: 07/22/23 09:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.73		0.50	0.15	ug/L			08/02/23 15:53	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/02/23 15:53	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/02/23 15:53	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/02/23 15:53	1
Bromoform	<0.48		1.0	0.48	ug/L			08/02/23 15:53	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/02/23 15:53	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/02/23 15:53	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/02/23 15:53	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/02/23 15:53	1
Chloroform	<0.37		2.0	0.37	ug/L			08/02/23 15:53	1
Chloromethane	<0.32		5.0	0.32	ug/L			08/02/23 15:53	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/02/23 15:53	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/02/23 15:53	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			08/02/23 15:53	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/02/23 15:53	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/02/23 15:53	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/02/23 15:53	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/02/23 15:53	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/02/23 15:53	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/02/23 15:53	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/02/23 15:53	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/02/23 15:53	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/02/23 15:53	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/02/23 15:53	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/02/23 15:53	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/02/23 15:53	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/02/23 15:53	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/02/23 15:53	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/02/23 15:53	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/02/23 15:53	1
Ethylbenzene	53		0.50	0.18	ug/L			08/02/23 15:53	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/02/23 15:53	1
Isopropylbenzene	53		1.0	0.39	ug/L			08/02/23 15:53	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/02/23 15:53	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/02/23 15:53	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/02/23 15:53	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/02/23 15:53	1
N-Propylbenzene	72		1.0	0.41	ug/L			08/02/23 15:53	1
p-Isopropyltoluene	52		1.0	0.36	ug/L			08/02/23 15:53	1
sec-Butylbenzene	25		1.0	0.40	ug/L			08/02/23 15:53	1
Styrene	<0.39		1.0	0.39	ug/L			08/02/23 15:53	1
tert-Butylbenzene	8.5		1.0	0.40	ug/L			08/02/23 15:53	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/02/23 15:53	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/02/23 15:53	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			08/02/23 15:53	1
Toluene	1.0 B		0.50	0.15	ug/L			08/02/23 15:53	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			08/02/23 15:53	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/02/23 15:53	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/02/23 15:53	1

Euofins Chicago

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-15

Lab Sample ID: 500-237064-22

Date Collected: 07/20/23 12:35

Matrix: Water

Date Received: 07/22/23 09:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/02/23 15:53	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/02/23 15:53	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/02/23 15:53	1
Trichloroethene	<0.16		0.50	0.16	ug/L			08/02/23 15:53	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/02/23 15:53	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/02/23 15:53	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/02/23 15:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		72 - 124		08/02/23 15:53	1
Dibromofluoromethane (Surr)	99		75 - 120		08/02/23 15:53	1
1,2-Dichloroethane-d4 (Surr)	100		75 - 126		08/02/23 15:53	1
Toluene-d8 (Surr)	95		75 - 120		08/02/23 15:53	1

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	250		10	3.4	ug/L			08/02/23 16:16	10
1,2,4-Trimethylbenzene	1600		10	3.6	ug/L			08/02/23 16:16	10
1,3,5-Trimethylbenzene	320		10	2.5	ug/L			08/02/23 16:16	10
Xylenes, Total	470		10	2.2	ug/L			08/02/23 16:16	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		72 - 124		08/02/23 16:16	10
Dibromofluoromethane (Surr)	103		75 - 120		08/02/23 16:16	10
1,2-Dichloroethane-d4 (Surr)	102		75 - 126		08/02/23 16:16	10
Toluene-d8 (Surr)	92		75 - 120		08/02/23 16:16	10

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-12

Lab Sample ID: 500-237064-23

Date Collected: 07/20/23 13:22

Matrix: Water

Date Received: 07/22/23 09:50

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	10000	F2	1300	600	ng/L		07/26/23 05:27	07/31/23 23:47	5
Perfluoropentanoic acid (PFPeA)	<120		500	120	ng/L		07/26/23 05:27	07/31/23 23:47	5
Perfluorohexanoic acid (PFHxA)	<150	F1	500	150	ng/L		07/26/23 05:27	07/31/23 23:47	5
Perfluoroheptanoic acid (PFHpA)	290	J	500	63	ng/L		07/26/23 05:27	07/31/23 23:47	5
Perfluorooctanoic acid (PFOA)	8400		500	210	ng/L		07/26/23 05:27	07/31/23 23:47	5
Perfluorononanoic acid (PFNA)	<68		500	68	ng/L		07/26/23 05:27	07/31/23 23:47	5
Perfluorodecanoic acid (PFDA)	<78		500	78	ng/L		07/26/23 05:27	07/31/23 23:47	5
Perfluoroundecanoic acid (PFUnA)	<280		500	280	ng/L		07/26/23 05:27	07/31/23 23:47	5
Perfluorododecanoic acid (PFDoA)	<140		500	140	ng/L		07/26/23 05:27	07/31/23 23:47	5
Perfluorotridecanoic acid (PFTriA)	<330		500	330	ng/L		07/26/23 05:27	07/31/23 23:47	5
Perfluorotetradecanoic acid (PFTeA)	<180		500	180	ng/L		07/26/23 05:27	07/31/23 23:47	5
Perfluorobutanesulfonic acid (PFBS)	<50	F1	500	50	ng/L		07/26/23 05:27	07/31/23 23:47	5
Perfluoropentanesulfonic acid (PFPeS)	<75		500	75	ng/L		07/26/23 05:27	07/31/23 23:47	5
Perfluorohexanesulfonic acid (PFHxS)	<140		500	140	ng/L		07/26/23 05:27	07/31/23 23:47	5
Perfluoroheptanesulfonic acid (PFHpS)	<48		500	48	ng/L		07/26/23 05:27	07/31/23 23:47	5
Perfluorooctanesulfonic acid (PFOS)	<140		500	140	ng/L		07/26/23 05:27	07/31/23 23:47	5
Perfluorononanesulfonic acid (PFNS)	<93		500	93	ng/L		07/26/23 05:27	07/31/23 23:47	5
Perfluorodecanesulfonic acid (PFDS)	<80		500	80	ng/L		07/26/23 05:27	07/31/23 23:47	5
Perfluorododecanesulfonic acid (PFDoS)	<240	F1	500	240	ng/L		07/26/23 05:27	07/31/23 23:47	5
Perfluorooctanesulfonamide (FOSA)	<250		500	250	ng/L		07/26/23 05:27	07/31/23 23:47	5
NEtFOSA	<220		500	220	ng/L		07/26/23 05:27	07/31/23 23:47	5
NMeFOSA	<110		500	110	ng/L		07/26/23 05:27	07/31/23 23:47	5
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<300		1300	300	ng/L		07/26/23 05:27	07/31/23 23:47	5
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<330		1300	330	ng/L		07/26/23 05:27	07/31/23 23:47	5
NMeFOSE	<350		1000	350	ng/L		07/26/23 05:27	07/31/23 23:47	5
NEtFOSE	<210		500	210	ng/L		07/26/23 05:27	07/31/23 23:47	5
4:2 FTS	<60		500	60	ng/L		07/26/23 05:27	07/31/23 23:47	5
6:2 FTS	<630		1300	630	ng/L		07/26/23 05:27	07/31/23 23:47	5
8:2 FTS	<120		500	120	ng/L		07/26/23 05:27	07/31/23 23:47	5
DONA	<100		500	100	ng/L		07/26/23 05:27	07/31/23 23:47	5
HFPO-DA (GenX)	<380		1000	380	ng/L		07/26/23 05:27	07/31/23 23:47	5
F-53B Major	<60		500	60	ng/L		07/26/23 05:27	07/31/23 23:47	5
F-53B Minor	<80		500	80	ng/L		07/26/23 05:27	07/31/23 23:47	5

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	33		25 - 150	07/26/23 05:27	07/31/23 23:47	5
13C5 PFPeA	59		25 - 150	07/26/23 05:27	07/31/23 23:47	5
13C2 PFHxA	83		25 - 150	07/26/23 05:27	07/31/23 23:47	5
13C4 PFHpA	92		25 - 150	07/26/23 05:27	07/31/23 23:47	5
13C4 PFOA	101		25 - 150	07/26/23 05:27	07/31/23 23:47	5
13C5 PFNA	118		25 - 150	07/26/23 05:27	07/31/23 23:47	5
13C2 PFDA	125		25 - 150	07/26/23 05:27	07/31/23 23:47	5
13C2 PFUnA	114		25 - 150	07/26/23 05:27	07/31/23 23:47	5
13C2 PFDoA	95		25 - 150	07/26/23 05:27	07/31/23 23:47	5
13C2 PFTeDA	56		25 - 150	07/26/23 05:27	07/31/23 23:47	5
13C3 PFBS	94		25 - 150	07/26/23 05:27	07/31/23 23:47	5

Eurofins Chicago

Client Sample Results

Client: Ramboll US Corporation
Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-12

Date Collected: 07/20/23 13:22

Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-23

Matrix: Water

Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
18O2 PFHxS	110		25 - 150	07/26/23 05:27	07/31/23 23:47	5
13C4 PFOS	109		25 - 150	07/26/23 05:27	07/31/23 23:47	5
13C8 FOSA	127		10 - 150	07/26/23 05:27	07/31/23 23:47	5
d3-NMeFOSAA	121		25 - 150	07/26/23 05:27	07/31/23 23:47	5
d5-NEtFOSAA	123		25 - 150	07/26/23 05:27	07/31/23 23:47	5
d-N-MeFOSA-M	84		10 - 150	07/26/23 05:27	07/31/23 23:47	5
d-N-EtFOSA-M	77		10 - 150	07/26/23 05:27	07/31/23 23:47	5
d7-N-MeFOSE-M	79		10 - 150	07/26/23 05:27	07/31/23 23:47	5
d9-N-EtFOSE-M	66		10 - 150	07/26/23 05:27	07/31/23 23:47	5
M2-4:2 FTS	124		25 - 150	07/26/23 05:27	07/31/23 23:47	5
M2-6:2 FTS	134		25 - 150	07/26/23 05:27	07/31/23 23:47	5
M2-8:2 FTS	154	*5+	25 - 150	07/26/23 05:27	07/31/23 23:47	5
13C3 HFPO-DA	95		25 - 150	07/26/23 05:27	07/31/23 23:47	5

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-9

Lab Sample ID: 500-237064-24

Date Collected: 07/20/23 14:25

Matrix: Water

Date Received: 07/22/23 09:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			08/02/23 16:40	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/02/23 16:40	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/02/23 16:40	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/02/23 16:40	1
Bromoform	<0.48		1.0	0.48	ug/L			08/02/23 16:40	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/02/23 16:40	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/02/23 16:40	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/02/23 16:40	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/02/23 16:40	1
Chloroform	<0.37		2.0	0.37	ug/L			08/02/23 16:40	1
Chloromethane	<0.32		5.0	0.32	ug/L			08/02/23 16:40	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/02/23 16:40	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/02/23 16:40	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			08/02/23 16:40	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/02/23 16:40	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/02/23 16:40	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/02/23 16:40	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/02/23 16:40	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/02/23 16:40	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/02/23 16:40	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/02/23 16:40	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/02/23 16:40	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/02/23 16:40	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/02/23 16:40	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/02/23 16:40	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/02/23 16:40	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/02/23 16:40	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/02/23 16:40	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/02/23 16:40	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/02/23 16:40	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/02/23 16:40	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/02/23 16:40	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			08/02/23 16:40	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/02/23 16:40	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/02/23 16:40	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/02/23 16:40	1
Naphthalene	1.7		1.0	0.34	ug/L			08/02/23 16:40	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/02/23 16:40	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			08/02/23 16:40	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			08/02/23 16:40	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			08/02/23 16:40	1
Styrene	<0.39		1.0	0.39	ug/L			08/02/23 16:40	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			08/02/23 16:40	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/02/23 16:40	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/02/23 16:40	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			08/02/23 16:40	1
Toluene	0.47 J B		0.50	0.15	ug/L			08/02/23 16:40	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			08/02/23 16:40	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/02/23 16:40	1

Eurofins Chicago

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-9

Lab Sample ID: 500-237064-24

Date Collected: 07/20/23 14:25

Matrix: Water

Date Received: 07/22/23 09:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/02/23 16:40	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/02/23 16:40	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/02/23 16:40	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/02/23 16:40	1
Trichloroethene	9.5		0.50	0.16	ug/L			08/02/23 16:40	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/02/23 16:40	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/02/23 16:40	1
1,2,4-Trimethylbenzene	0.66 J		1.0	0.36	ug/L			08/02/23 16:40	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			08/02/23 16:40	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/02/23 16:40	1
Xylenes, Total	0.59 J		1.0	0.22	ug/L			08/02/23 16:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		72 - 124					08/02/23 16:40	1
Dibromofluoromethane (Surr)	101		75 - 120					08/02/23 16:40	1
1,2-Dichloroethane-d4 (Surr)	100		75 - 126					08/02/23 16:40	1
Toluene-d8 (Surr)	95		75 - 120					08/02/23 16:40	1

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<60		130	60	ng/L		07/26/23 05:27	07/27/23 22:05	1
Perfluoropentanoic acid (PFPeA)	<12		50	12	ng/L		07/26/23 05:27	07/27/23 22:05	1
Perfluorohexanoic acid (PFHxA)	<15		50	15	ng/L		07/26/23 05:27	07/27/23 22:05	1
Perfluoroheptanoic acid (PFHpA)	160		50	6.3	ng/L		07/26/23 05:27	07/27/23 22:05	1
Perfluorooctanoic acid (PFOA)	1700		50	21	ng/L		07/26/23 05:27	07/27/23 22:05	1
Perfluorononanoic acid (PFNA)	<6.8		50	6.8	ng/L		07/26/23 05:27	07/27/23 22:05	1
Perfluorodecanoic acid (PFDA)	<7.8		50	7.8	ng/L		07/26/23 05:27	07/27/23 22:05	1
Perfluoroundecanoic acid (PFUnA)	<28		50	28	ng/L		07/26/23 05:27	07/27/23 22:05	1
Perfluorododecanoic acid (PFDoA)	<14		50	14	ng/L		07/26/23 05:27	07/27/23 22:05	1
Perfluorotridecanoic acid (PFTriA)	<33		50	33	ng/L		07/26/23 05:27	07/27/23 22:05	1
Perfluorobutanesulfonic acid (PFBS)	<5.0		50	5.0	ng/L		07/26/23 05:27	07/27/23 22:05	1
Perfluoropentanesulfonic acid (PFPeS)	<7.5		50	7.5	ng/L		07/26/23 05:27	07/27/23 22:05	1
Perfluorohexanesulfonic acid (PFHxS)	<14		50	14	ng/L		07/26/23 05:27	07/27/23 22:05	1
Perfluoroheptanesulfonic acid (PFHpS)	<4.8		50	4.8	ng/L		07/26/23 05:27	07/27/23 22:05	1
Perfluorooctanesulfonic acid (PFOS)	<14		50	14	ng/L		07/26/23 05:27	07/27/23 22:05	1
Perfluorononanesulfonic acid (PFNS)	<9.3		50	9.3	ng/L		07/26/23 05:27	07/27/23 22:05	1
Perfluorodecanesulfonic acid (PFDS)	<8.0		50	8.0	ng/L		07/26/23 05:27	07/27/23 22:05	1
Perfluorododecanesulfonic acid (PFDoS)	<24		50	24	ng/L		07/26/23 05:27	07/27/23 22:05	1
Perfluorooctanesulfonamide (FOSA)	<25		50	25	ng/L		07/26/23 05:27	07/27/23 22:05	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<30		130	30	ng/L		07/26/23 05:27	07/27/23 22:05	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<33		130	33	ng/L		07/26/23 05:27	07/27/23 22:05	1
4:2 FTS	<6.0		50	6.0	ng/L		07/26/23 05:27	07/27/23 22:05	1
6:2 FTS	<63		130	63	ng/L		07/26/23 05:27	07/27/23 22:05	1
8:2 FTS	<12		50	12	ng/L		07/26/23 05:27	07/27/23 22:05	1
DONA	<10		50	10	ng/L		07/26/23 05:27	07/27/23 22:05	1
HFPO-DA (GenX)	<38		100	38	ng/L		07/26/23 05:27	07/27/23 22:05	1

Euofins Chicago

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-9

Lab Sample ID: 500-237064-24

Date Collected: 07/20/23 14:25

Matrix: Water

Date Received: 07/22/23 09:50

Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
F-53B Major	<6.0		50	6.0	ng/L		07/26/23 05:27	07/27/23 22:05	1
F-53B Minor	<8.0		50	8.0	ng/L		07/26/23 05:27	07/27/23 22:05	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	42		25 - 150				07/26/23 05:27	07/27/23 22:05	1
13C5 PFPeA	67		25 - 150				07/26/23 05:27	07/27/23 22:05	1
13C2 PFHxA	88		25 - 150				07/26/23 05:27	07/27/23 22:05	1
13C4 PFHpA	94		25 - 150				07/26/23 05:27	07/27/23 22:05	1
13C4 PFOA	107		25 - 150				07/26/23 05:27	07/27/23 22:05	1
13C5 PFNA	124		25 - 150				07/26/23 05:27	07/27/23 22:05	1
13C2 PFDA	137		25 - 150				07/26/23 05:27	07/27/23 22:05	1
13C2 PFUnA	168	*5+	25 - 150				07/26/23 05:27	07/27/23 22:05	1
13C2 PFDoA	161	*5+	25 - 150				07/26/23 05:27	07/27/23 22:05	1
13C3 PFBS	147		25 - 150				07/26/23 05:27	07/27/23 22:05	1
18O2 PFHxS	155	*5+	25 - 150				07/26/23 05:27	07/27/23 22:05	1
13C4 PFOS	160	*5+	25 - 150				07/26/23 05:27	07/27/23 22:05	1
13C8 FOSA	136		10 - 150				07/26/23 05:27	07/27/23 22:05	1
d3-NMeFOSAA	99		25 - 150				07/26/23 05:27	07/27/23 22:05	1
d5-NEtFOSAA	127		25 - 150				07/26/23 05:27	07/27/23 22:05	1
M2-4:2 FTS	139		25 - 150				07/26/23 05:27	07/27/23 22:05	1
M2-6:2 FTS	159	*5+	25 - 150				07/26/23 05:27	07/27/23 22:05	1
M2-8:2 FTS	153	*5+	25 - 150				07/26/23 05:27	07/27/23 22:05	1
13C3 HFPO-DA	110		25 - 150				07/26/23 05:27	07/27/23 22:05	1

Method: EPA 537 (modified) - Fluorinated Alkyl Substances - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorotetradecanoic acid (PFTeA)	<18		50	18	ng/L		07/26/23 05:27	08/21/23 14:08	1
NEtFOSA	<22		50	22	ng/L		07/26/23 05:27	08/21/23 14:08	1
NMeFOSA	<11		50	11	ng/L		07/26/23 05:27	08/21/23 14:08	1
NMeFOSE	<35		100	35	ng/L		07/26/23 05:27	08/21/23 14:08	1
NEtFOSE	<21		50	21	ng/L		07/26/23 05:27	08/21/23 14:08	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C2 PFTeDA	142		25 - 150				07/26/23 05:27	08/21/23 14:08	1
d-N-MeFOSA-M	145		10 - 150				07/26/23 05:27	08/21/23 14:08	1
d-N-EtFOSA-M	148		10 - 150				07/26/23 05:27	08/21/23 14:08	1
d7-N-MeFOSE-M	147		10 - 150				07/26/23 05:27	08/21/23 14:08	1
d9-N-EtFOSE-M	148		10 - 150				07/26/23 05:27	08/21/23 14:08	1

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-9 DUP

Lab Sample ID: 500-237064-25

Date Collected: 07/20/23 14:25

Matrix: Water

Date Received: 07/22/23 09:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.15	J	0.50	0.15	ug/L			08/02/23 17:04	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/02/23 17:04	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/02/23 17:04	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/02/23 17:04	1
Bromoform	<0.48		1.0	0.48	ug/L			08/02/23 17:04	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/02/23 17:04	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/02/23 17:04	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/02/23 17:04	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/02/23 17:04	1
Chloroform	<0.37		2.0	0.37	ug/L			08/02/23 17:04	1
Chloromethane	<0.32		5.0	0.32	ug/L			08/02/23 17:04	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/02/23 17:04	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/02/23 17:04	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			08/02/23 17:04	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/02/23 17:04	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/02/23 17:04	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/02/23 17:04	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/02/23 17:04	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/02/23 17:04	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/02/23 17:04	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/02/23 17:04	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/02/23 17:04	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/02/23 17:04	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/02/23 17:04	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/02/23 17:04	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/02/23 17:04	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/02/23 17:04	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/02/23 17:04	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/02/23 17:04	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/02/23 17:04	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/02/23 17:04	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/02/23 17:04	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			08/02/23 17:04	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/02/23 17:04	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/02/23 17:04	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/02/23 17:04	1
Naphthalene	0.55	J	1.0	0.34	ug/L			08/02/23 17:04	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/02/23 17:04	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			08/02/23 17:04	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			08/02/23 17:04	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			08/02/23 17:04	1
Styrene	<0.39		1.0	0.39	ug/L			08/02/23 17:04	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			08/02/23 17:04	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/02/23 17:04	1
1,1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/02/23 17:04	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			08/02/23 17:04	1
Toluene	0.51	B	0.50	0.15	ug/L			08/02/23 17:04	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			08/02/23 17:04	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/02/23 17:04	1

Eurofins Chicago

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-9 DUP

Lab Sample ID: 500-237064-25

Date Collected: 07/20/23 14:25

Matrix: Water

Date Received: 07/22/23 09:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/02/23 17:04	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/02/23 17:04	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/02/23 17:04	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/02/23 17:04	1
Trichloroethene	9.4		0.50	0.16	ug/L			08/02/23 17:04	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/02/23 17:04	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/02/23 17:04	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			08/02/23 17:04	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			08/02/23 17:04	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/02/23 17:04	1
Xylenes, Total	0.36 J		1.0	0.22	ug/L			08/02/23 17:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		72 - 124		08/02/23 17:04	1
Dibromofluoromethane (Surr)	100		75 - 120		08/02/23 17:04	1
1,2-Dichloroethane-d4 (Surr)	101		75 - 126		08/02/23 17:04	1
Toluene-d8 (Surr)	95		75 - 120		08/02/23 17:04	1

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<60		130	60	ng/L		07/26/23 05:27	07/27/23 22:15	1
Perfluoropentanoic acid (PFPeA)	<12		50	12	ng/L		07/26/23 05:27	07/27/23 22:15	1
Perfluorohexanoic acid (PFHxA)	<15		50	15	ng/L		07/26/23 05:27	07/27/23 22:15	1
Perfluoroheptanoic acid (PFHpA)	130		50	6.3	ng/L		07/26/23 05:27	07/27/23 22:15	1
Perfluorooctanoic acid (PFOA)	1600		50	21	ng/L		07/26/23 05:27	07/27/23 22:15	1
Perfluorononanoic acid (PFNA)	<6.8		50	6.8	ng/L		07/26/23 05:27	07/27/23 22:15	1
Perfluorodecanoic acid (PFDA)	<7.8		50	7.8	ng/L		07/26/23 05:27	07/27/23 22:15	1
Perfluorododecanoic acid (PFDoA)	<14		50	14	ng/L		07/26/23 05:27	07/27/23 22:15	1
Perfluorotridecanoic acid (PFTriA)	<33		50	33	ng/L		07/26/23 05:27	07/27/23 22:15	1
Perfluorotetradecanoic acid (PFTeA)	<18		50	18	ng/L		07/26/23 05:27	07/27/23 22:15	1
Perfluorobutanesulfonic acid (PFBS)	<5.0		50	5.0	ng/L		07/26/23 05:27	07/27/23 22:15	1
Perfluoropentanesulfonic acid (PFPeS)	<7.5		50	7.5	ng/L		07/26/23 05:27	07/27/23 22:15	1
Perfluorohexanesulfonic acid (PFHxS)	<14		50	14	ng/L		07/26/23 05:27	07/27/23 22:15	1
Perfluoroheptanesulfonic acid (PFHpS)	<4.8		50	4.8	ng/L		07/26/23 05:27	07/27/23 22:15	1
Perfluorooctanesulfonic acid (PFOS)	<14		50	14	ng/L		07/26/23 05:27	07/27/23 22:15	1
Perfluorononanesulfonic acid (PFNS)	<9.3		50	9.3	ng/L		07/26/23 05:27	07/27/23 22:15	1
Perfluorodecanesulfonic acid (PFDS)	<8.0		50	8.0	ng/L		07/26/23 05:27	07/27/23 22:15	1
Perfluorododecanesulfonic acid (PFDoS)	<24		50	24	ng/L		07/26/23 05:27	07/27/23 22:15	1
Perfluorooctanesulfonamide (FOSA)	<25		50	25	ng/L		07/26/23 05:27	07/27/23 22:15	1
NMeFOSA	<11		50	11	ng/L		07/26/23 05:27	07/27/23 22:15	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<30		130	30	ng/L		07/26/23 05:27	07/27/23 22:15	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<33		130	33	ng/L		07/26/23 05:27	07/27/23 22:15	1
NEtFOSE	<21		50	21	ng/L		07/26/23 05:27	07/27/23 22:15	1
4:2 FTS	<6.0		50	6.0	ng/L		07/26/23 05:27	07/27/23 22:15	1
6:2 FTS	<63		130	63	ng/L		07/26/23 05:27	07/27/23 22:15	1
8:2 FTS	<12		50	12	ng/L		07/26/23 05:27	07/27/23 22:15	1

Euofins Chicago

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-9 DUP

Lab Sample ID: 500-237064-25

Date Collected: 07/20/23 14:25

Matrix: Water

Date Received: 07/22/23 09:50

Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DONA	<10		50	10	ng/L		07/26/23 05:27	07/27/23 22:15	1
HFPO-DA (GenX)	<38		100	38	ng/L		07/26/23 05:27	07/27/23 22:15	1
F-53B Major	<6.0		50	6.0	ng/L		07/26/23 05:27	07/27/23 22:15	1
F-53B Minor	<8.0		50	8.0	ng/L		07/26/23 05:27	07/27/23 22:15	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	46		25 - 150				07/26/23 05:27	07/27/23 22:15	1
13C5 PFPeA	69		25 - 150				07/26/23 05:27	07/27/23 22:15	1
13C2 PFHxA	84		25 - 150				07/26/23 05:27	07/27/23 22:15	1
13C4 PFHpA	92		25 - 150				07/26/23 05:27	07/27/23 22:15	1
13C4 PFOA	106		25 - 150				07/26/23 05:27	07/27/23 22:15	1
13C5 PFNA	119		25 - 150				07/26/23 05:27	07/27/23 22:15	1
13C2 PFDA	127		25 - 150				07/26/23 05:27	07/27/23 22:15	1
13C2 PFDoA	148		25 - 150				07/26/23 05:27	07/27/23 22:15	1
13C2 PFTeDA	147		25 - 150				07/26/23 05:27	07/27/23 22:15	1
13C3 PFBS	135		25 - 150				07/26/23 05:27	07/27/23 22:15	1
18O2 PFHxS	147		25 - 150				07/26/23 05:27	07/27/23 22:15	1
13C4 PFOS	143		25 - 150				07/26/23 05:27	07/27/23 22:15	1
13C8 FOSA	128		10 - 150				07/26/23 05:27	07/27/23 22:15	1
d3-NMeFOSAA	102		25 - 150				07/26/23 05:27	07/27/23 22:15	1
d5-NEtFOSAA	125		25 - 150				07/26/23 05:27	07/27/23 22:15	1
d-N-MeFOSA-M	141		10 - 150				07/26/23 05:27	07/27/23 22:15	1
d9-N-EtFOSE-M	150		10 - 150				07/26/23 05:27	07/27/23 22:15	1
M2-4:2 FTS	130		25 - 150				07/26/23 05:27	07/27/23 22:15	1
M2-6:2 FTS	148		25 - 150				07/26/23 05:27	07/27/23 22:15	1
M2-8:2 FTS	132		25 - 150				07/26/23 05:27	07/27/23 22:15	1
13C3 HFPO-DA	106		25 - 150				07/26/23 05:27	07/27/23 22:15	1

Method: EPA 537 (modified) - Fluorinated Alkyl Substances - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoroundecanoic acid (PFUnA)	<28		50	28	ng/L		07/26/23 05:27	08/21/23 14:18	1
NEtFOSA	<22		50	22	ng/L		07/26/23 05:27	08/21/23 14:18	1
NMeFOSE	<35		100	35	ng/L		07/26/23 05:27	08/21/23 14:18	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C2 PFUnA	144		25 - 150				07/26/23 05:27	08/21/23 14:18	1
d-N-EtFOSA-M	134		10 - 150				07/26/23 05:27	08/21/23 14:18	1
d7-N-MeFOSE-M	132		10 - 150				07/26/23 05:27	08/21/23 14:18	1

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: EB-05
Date Collected: 07/20/23 14:55
Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-26
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			08/02/23 11:03	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/02/23 11:03	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/02/23 11:03	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/02/23 11:03	1
Bromoform	<0.48		1.0	0.48	ug/L			08/02/23 11:03	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/02/23 11:03	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/02/23 11:03	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/02/23 11:03	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/02/23 11:03	1
Chloroform	<0.37		2.0	0.37	ug/L			08/02/23 11:03	1
Chloromethane	<0.32		5.0	0.32	ug/L			08/02/23 11:03	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/02/23 11:03	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/02/23 11:03	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			08/02/23 11:03	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/02/23 11:03	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/02/23 11:03	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/02/23 11:03	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/02/23 11:03	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/02/23 11:03	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/02/23 11:03	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/02/23 11:03	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/02/23 11:03	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/02/23 11:03	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/02/23 11:03	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/02/23 11:03	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/02/23 11:03	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/02/23 11:03	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/02/23 11:03	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/02/23 11:03	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/02/23 11:03	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/02/23 11:03	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/02/23 11:03	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			08/02/23 11:03	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/02/23 11:03	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/02/23 11:03	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/02/23 11:03	1
Naphthalene	<0.34		1.0	0.34	ug/L			08/02/23 11:03	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/02/23 11:03	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			08/02/23 11:03	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			08/02/23 11:03	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			08/02/23 11:03	1
Styrene	<0.39		1.0	0.39	ug/L			08/02/23 11:03	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			08/02/23 11:03	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/02/23 11:03	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/02/23 11:03	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			08/02/23 11:03	1
Toluene	0.25	J B	0.50	0.15	ug/L			08/02/23 11:03	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			08/02/23 11:03	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/02/23 11:03	1

Euofins Chicago

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: EB-05
Date Collected: 07/20/23 14:55
Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-26
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/02/23 11:03	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/02/23 11:03	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/02/23 11:03	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/02/23 11:03	1
Trichloroethene	<0.16		0.50	0.16	ug/L			08/02/23 11:03	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/02/23 11:03	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/02/23 11:03	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			08/02/23 11:03	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			08/02/23 11:03	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/02/23 11:03	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			08/02/23 11:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		72 - 124					08/02/23 11:03	1
Dibromofluoromethane (Surr)	101		75 - 120					08/02/23 11:03	1
1,2-Dichloroethane-d4 (Surr)	100		75 - 126					08/02/23 11:03	1
Toluene-d8 (Surr)	93		75 - 120					08/02/23 11:03	1

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.3		4.8	2.3	ng/L		07/26/23 05:27	07/27/23 22:25	1
Perfluoropentanoic acid (PFPeA)	<0.47		1.9	0.47	ng/L		07/26/23 05:27	07/27/23 22:25	1
Perfluorohexanoic acid (PFHxA)	<0.56		1.9	0.56	ng/L		07/26/23 05:27	07/27/23 22:25	1
Perfluoroheptanoic acid (PFHpA)	<0.24		1.9	0.24	ng/L		07/26/23 05:27	07/27/23 22:25	1
Perfluorooctanoic acid (PFOA)	<0.82		1.9	0.82	ng/L		07/26/23 05:27	07/27/23 22:25	1
Perfluorononanoic acid (PFNA)	<0.26		1.9	0.26	ng/L		07/26/23 05:27	07/27/23 22:25	1
Perfluorodecanoic acid (PFDA)	<0.30		1.9	0.30	ng/L		07/26/23 05:27	07/27/23 22:25	1
Perfluoroundecanoic acid (PFUnA)	<1.1		1.9	1.1	ng/L		07/26/23 05:27	07/27/23 22:25	1
Perfluorododecanoic acid (PFDoA)	<0.53		1.9	0.53	ng/L		07/26/23 05:27	07/27/23 22:25	1
Perfluorotridecanoic acid (PFTriA)	<1.3		1.9	1.3	ng/L		07/26/23 05:27	07/27/23 22:25	1
Perfluorotetradecanoic acid (PFTeA)	<0.70		1.9	0.70	ng/L		07/26/23 05:27	07/27/23 22:25	1
Perfluorobutanesulfonic acid (PFBS)	<0.19		1.9	0.19	ng/L		07/26/23 05:27	07/27/23 22:25	1
Perfluoropentanesulfonic acid (PFPeS)	<0.29		1.9	0.29	ng/L		07/26/23 05:27	07/27/23 22:25	1
Perfluorohexanesulfonic acid (PFHxS)	<0.55		1.9	0.55	ng/L		07/26/23 05:27	07/27/23 22:25	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.18		1.9	0.18	ng/L		07/26/23 05:27	07/27/23 22:25	1
Perfluorooctanesulfonic acid (PFOS)	<0.52		1.9	0.52	ng/L		07/26/23 05:27	07/27/23 22:25	1
Perfluorononanesulfonic acid (PFNS)	<0.36		1.9	0.36	ng/L		07/26/23 05:27	07/27/23 22:25	1
Perfluorodecanesulfonic acid (PFDS)	<0.31		1.9	0.31	ng/L		07/26/23 05:27	07/27/23 22:25	1
Perfluorododecanesulfonic acid (PFDoS)	<0.93		1.9	0.93	ng/L		07/26/23 05:27	07/27/23 22:25	1
Perfluorooctanesulfonamide (FOSA)	<0.94		1.9	0.94	ng/L		07/26/23 05:27	07/27/23 22:25	1
NEtFOSA	<0.84		1.9	0.84	ng/L		07/26/23 05:27	07/27/23 22:25	1
NMeFOSA	<0.41		1.9	0.41	ng/L		07/26/23 05:27	07/27/23 22:25	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<1.2		4.8	1.2	ng/L		07/26/23 05:27	07/27/23 22:25	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<1.3		4.8	1.3	ng/L		07/26/23 05:27	07/27/23 22:25	1
NMeFOSE	<1.3		3.9	1.3	ng/L		07/26/23 05:27	07/27/23 22:25	1
NEtFOSE	<0.82		1.9	0.82	ng/L		07/26/23 05:27	07/27/23 22:25	1

Eurofins Chicago

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: EB-05
Date Collected: 07/20/23 14:55
Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-26
Matrix: Water

Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4:2 FTS	<0.23		1.9	0.23	ng/L		07/26/23 05:27	07/27/23 22:25	1
6:2 FTS	<2.4		4.8	2.4	ng/L		07/26/23 05:27	07/27/23 22:25	1
8:2 FTS	<0.44		1.9	0.44	ng/L		07/26/23 05:27	07/27/23 22:25	1
DONA	<0.39		1.9	0.39	ng/L		07/26/23 05:27	07/27/23 22:25	1
HFPO-DA (GenX)	<1.4		3.9	1.4	ng/L		07/26/23 05:27	07/27/23 22:25	1
F-53B Major	<0.23		1.9	0.23	ng/L		07/26/23 05:27	07/27/23 22:25	1
F-53B Minor	<0.31		1.9	0.31	ng/L		07/26/23 05:27	07/27/23 22:25	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	95		25 - 150				07/26/23 05:27	07/27/23 22:25	1
13C5 PFPeA	105		25 - 150				07/26/23 05:27	07/27/23 22:25	1
13C2 PFHxA	100		25 - 150				07/26/23 05:27	07/27/23 22:25	1
13C4 PFHpA	102		25 - 150				07/26/23 05:27	07/27/23 22:25	1
13C4 PFOA	103		25 - 150				07/26/23 05:27	07/27/23 22:25	1
13C5 PFNA	106		25 - 150				07/26/23 05:27	07/27/23 22:25	1
13C2 PFDA	103		25 - 150				07/26/23 05:27	07/27/23 22:25	1
13C2 PFUnA	110		25 - 150				07/26/23 05:27	07/27/23 22:25	1
13C2 PFDoA	107		25 - 150				07/26/23 05:27	07/27/23 22:25	1
13C2 PFTeDA	111		25 - 150				07/26/23 05:27	07/27/23 22:25	1
13C3 PFBS	102		25 - 150				07/26/23 05:27	07/27/23 22:25	1
18O2 PFHxS	104		25 - 150				07/26/23 05:27	07/27/23 22:25	1
13C4 PFOS	110		25 - 150				07/26/23 05:27	07/27/23 22:25	1
13C8 FOSA	124		10 - 150				07/26/23 05:27	07/27/23 22:25	1
d3-NMeFOSAA	113		25 - 150				07/26/23 05:27	07/27/23 22:25	1
d5-NEtFOSAA	115		25 - 150				07/26/23 05:27	07/27/23 22:25	1
d-N-MeFOSA-M	100		10 - 150				07/26/23 05:27	07/27/23 22:25	1
d-N-EtFOSA-M	101		10 - 150				07/26/23 05:27	07/27/23 22:25	1
d7-N-MeFOSE-M	121		10 - 150				07/26/23 05:27	07/27/23 22:25	1
d9-N-EtFOSE-M	111		10 - 150				07/26/23 05:27	07/27/23 22:25	1
M2-4:2 FTS	75		25 - 150				07/26/23 05:27	07/27/23 22:25	1
M2-6:2 FTS	73		25 - 150				07/26/23 05:27	07/27/23 22:25	1
M2-8:2 FTS	78		25 - 150				07/26/23 05:27	07/27/23 22:25	1
13C3 HFPO-DA	100		25 - 150				07/26/23 05:27	07/27/23 22:25	1

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: FB-05
Date Collected: 07/20/23 15:00
Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-27
Matrix: Water

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.5		5.2	2.5	ng/L		07/26/23 05:27	07/27/23 22:35	1
Perfluoropentanoic acid (PFPeA)	<0.51		2.1	0.51	ng/L		07/26/23 05:27	07/27/23 22:35	1
Perfluorohexanoic acid (PFHxA)	<0.60		2.1	0.60	ng/L		07/26/23 05:27	07/27/23 22:35	1
Perfluoroheptanoic acid (PFHpA)	<0.26		2.1	0.26	ng/L		07/26/23 05:27	07/27/23 22:35	1
Perfluorooctanoic acid (PFOA)	<0.88		2.1	0.88	ng/L		07/26/23 05:27	07/27/23 22:35	1
Perfluorononanoic acid (PFNA)	<0.28		2.1	0.28	ng/L		07/26/23 05:27	07/27/23 22:35	1
Perfluorodecanoic acid (PFDA)	<0.32		2.1	0.32	ng/L		07/26/23 05:27	07/27/23 22:35	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.1	1.1	ng/L		07/26/23 05:27	07/27/23 22:35	1
Perfluorododecanoic acid (PFDoA)	<0.57		2.1	0.57	ng/L		07/26/23 05:27	07/27/23 22:35	1
Perfluorotridecanoic acid (PFTriA)	<1.3		2.1	1.3	ng/L		07/26/23 05:27	07/27/23 22:35	1
Perfluorotetradecanoic acid (PFTeA)	<0.76		2.1	0.76	ng/L		07/26/23 05:27	07/27/23 22:35	1
Perfluorobutanesulfonic acid (PFBS)	<0.21		2.1	0.21	ng/L		07/26/23 05:27	07/27/23 22:35	1
Perfluoropentanesulfonic acid (PFPeS)	<0.31		2.1	0.31	ng/L		07/26/23 05:27	07/27/23 22:35	1
Perfluorohexanesulfonic acid (PFHxS)	<0.59		2.1	0.59	ng/L		07/26/23 05:27	07/27/23 22:35	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.20		2.1	0.20	ng/L		07/26/23 05:27	07/27/23 22:35	1
Perfluorooctanesulfonic acid (PFOS)	<0.56		2.1	0.56	ng/L		07/26/23 05:27	07/27/23 22:35	1
Perfluorononanesulfonic acid (PFNS)	<0.38		2.1	0.38	ng/L		07/26/23 05:27	07/27/23 22:35	1
Perfluorodecanesulfonic acid (PFDS)	<0.33		2.1	0.33	ng/L		07/26/23 05:27	07/27/23 22:35	1
Perfluorododecanesulfonic acid (PFDoS)	<1.0		2.1	1.0	ng/L		07/26/23 05:27	07/27/23 22:35	1
Perfluorooctanesulfonamide (FOSA)	<1.0		2.1	1.0	ng/L		07/26/23 05:27	07/27/23 22:35	1
NEtFOSA	<0.90		2.1	0.90	ng/L		07/26/23 05:27	07/27/23 22:35	1
NMeFOSA	<0.44		2.1	0.44	ng/L		07/26/23 05:27	07/27/23 22:35	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<1.2		5.2	1.2	ng/L		07/26/23 05:27	07/27/23 22:35	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<1.3		5.2	1.3	ng/L		07/26/23 05:27	07/27/23 22:35	1
NMeFOSE	<1.4		4.1	1.4	ng/L		07/26/23 05:27	07/27/23 22:35	1
NEtFOSE	<0.88		2.1	0.88	ng/L		07/26/23 05:27	07/27/23 22:35	1
4:2 FTS	<0.25		2.1	0.25	ng/L		07/26/23 05:27	07/27/23 22:35	1
6:2 FTS	<2.6		5.2	2.6	ng/L		07/26/23 05:27	07/27/23 22:35	1
8:2 FTS	<0.48		2.1	0.48	ng/L		07/26/23 05:27	07/27/23 22:35	1
DONA	<0.41		2.1	0.41	ng/L		07/26/23 05:27	07/27/23 22:35	1
HFPO-DA (GenX)	<1.6		4.1	1.6	ng/L		07/26/23 05:27	07/27/23 22:35	1
F-53B Major	<0.25		2.1	0.25	ng/L		07/26/23 05:27	07/27/23 22:35	1
F-53B Minor	<0.33		2.1	0.33	ng/L		07/26/23 05:27	07/27/23 22:35	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	103		25 - 150	07/26/23 05:27	07/27/23 22:35	1
13C5 PFPeA	106		25 - 150	07/26/23 05:27	07/27/23 22:35	1
13C2 PFHxA	104		25 - 150	07/26/23 05:27	07/27/23 22:35	1
13C4 PFHpA	105		25 - 150	07/26/23 05:27	07/27/23 22:35	1
13C4 PFOA	103		25 - 150	07/26/23 05:27	07/27/23 22:35	1
13C5 PFNA	108		25 - 150	07/26/23 05:27	07/27/23 22:35	1
13C2 PFDA	110		25 - 150	07/26/23 05:27	07/27/23 22:35	1
13C2 PFUnA	112		25 - 150	07/26/23 05:27	07/27/23 22:35	1
13C2 PFDoA	110		25 - 150	07/26/23 05:27	07/27/23 22:35	1
13C2 PFTeDA	110		25 - 150	07/26/23 05:27	07/27/23 22:35	1
13C3 PFBS	109		25 - 150	07/26/23 05:27	07/27/23 22:35	1

Eurofins Chicago

Client Sample Results

Client: Ramboll US Corporation
Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: FB-05
Date Collected: 07/20/23 15:00
Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-27
Matrix: Water

Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
18O2 PFHxS	106		25 - 150	07/26/23 05:27	07/27/23 22:35	1
13C4 PFOS	111		25 - 150	07/26/23 05:27	07/27/23 22:35	1
13C8 FOSA	128		10 - 150	07/26/23 05:27	07/27/23 22:35	1
d3-NMeFOSAA	127		25 - 150	07/26/23 05:27	07/27/23 22:35	1
d5-NEtFOSAA	130		25 - 150	07/26/23 05:27	07/27/23 22:35	1
d-N-MeFOSA-M	100		10 - 150	07/26/23 05:27	07/27/23 22:35	1
d-N-EtFOSA-M	103		10 - 150	07/26/23 05:27	07/27/23 22:35	1
d7-N-MeFOSE-M	125		10 - 150	07/26/23 05:27	07/27/23 22:35	1
d9-N-EtFOSE-M	113		10 - 150	07/26/23 05:27	07/27/23 22:35	1
M2-4:2 FTS	84		25 - 150	07/26/23 05:27	07/27/23 22:35	1
M2-6:2 FTS	87		25 - 150	07/26/23 05:27	07/27/23 22:35	1
M2-8:2 FTS	86		25 - 150	07/26/23 05:27	07/27/23 22:35	1
13C3 HFPO-DA	99		25 - 150	07/26/23 05:27	07/27/23 22:35	1

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 500-237064-28

Date Collected: 07/20/23 00:00

Matrix: Water

Date Received: 07/22/23 09:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			08/02/23 10:40	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/02/23 10:40	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/02/23 10:40	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/02/23 10:40	1
Bromoform	<0.48		1.0	0.48	ug/L			08/02/23 10:40	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/02/23 10:40	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/02/23 10:40	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/02/23 10:40	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/02/23 10:40	1
Chloroform	<0.37		2.0	0.37	ug/L			08/02/23 10:40	1
Chloromethane	<0.32		5.0	0.32	ug/L			08/02/23 10:40	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/02/23 10:40	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/02/23 10:40	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			08/02/23 10:40	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/02/23 10:40	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/02/23 10:40	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/02/23 10:40	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/02/23 10:40	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/02/23 10:40	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/02/23 10:40	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/02/23 10:40	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/02/23 10:40	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/02/23 10:40	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/02/23 10:40	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/02/23 10:40	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/02/23 10:40	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/02/23 10:40	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/02/23 10:40	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/02/23 10:40	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/02/23 10:40	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/02/23 10:40	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/02/23 10:40	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			08/02/23 10:40	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/02/23 10:40	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/02/23 10:40	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/02/23 10:40	1
Naphthalene	<0.34		1.0	0.34	ug/L			08/02/23 10:40	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/02/23 10:40	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			08/02/23 10:40	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			08/02/23 10:40	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			08/02/23 10:40	1
Styrene	<0.39		1.0	0.39	ug/L			08/02/23 10:40	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			08/02/23 10:40	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/02/23 10:40	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/02/23 10:40	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			08/02/23 10:40	1
Toluene	<0.15		0.50	0.15	ug/L			08/02/23 10:40	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			08/02/23 10:40	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/02/23 10:40	1

Eurofins Chicago

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 500-237064-28

Date Collected: 07/20/23 00:00

Matrix: Water

Date Received: 07/22/23 09:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/02/23 10:40	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/02/23 10:40	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/02/23 10:40	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/02/23 10:40	1
Trichloroethene	<0.16		0.50	0.16	ug/L			08/02/23 10:40	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/02/23 10:40	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/02/23 10:40	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			08/02/23 10:40	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			08/02/23 10:40	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/02/23 10:40	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			08/02/23 10:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		72 - 124		08/02/23 10:40	1
Dibromofluoromethane (Surr)	100		75 - 120		08/02/23 10:40	1
1,2-Dichloroethane-d4 (Surr)	101		75 - 126		08/02/23 10:40	1
Toluene-d8 (Surr)	94		75 - 120		08/02/23 10:40	1

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: AMEC_MW-14

Lab Sample ID: 500-237064-29

Date Collected: 07/19/23 09:20

Matrix: Water

Date Received: 07/22/23 09:50

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	9.5		4.6	2.2	ng/L		07/26/23 05:27	07/27/23 23:06	1
Perfluoropentanoic acid (PFPeA)	12		1.8	0.45	ng/L		07/26/23 05:27	07/27/23 23:06	1
Perfluorohexanoic acid (PFHxA)	11		1.8	0.53	ng/L		07/26/23 05:27	07/27/23 23:06	1
Perfluoroheptanoic acid (PFHpA)	5.2		1.8	0.23	ng/L		07/26/23 05:27	07/27/23 23:06	1
Perfluorooctanoic acid (PFOA)	120		1.8	0.78	ng/L		07/26/23 05:27	07/27/23 23:06	1
Perfluorononanoic acid (PFNA)	<0.25		1.8	0.25	ng/L		07/26/23 05:27	07/27/23 23:06	1
Perfluorodecanoic acid (PFDA)	<0.29		1.8	0.29	ng/L		07/26/23 05:27	07/27/23 23:06	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.8	1.0	ng/L		07/26/23 05:27	07/27/23 23:06	1
Perfluorododecanoic acid (PFDoA)	<0.51		1.8	0.51	ng/L		07/26/23 05:27	07/27/23 23:06	1
Perfluorotridecanoic acid (PFTriA)	<1.2		1.8	1.2	ng/L		07/26/23 05:27	07/27/23 23:06	1
Perfluorobutanesulfonic acid (PFBS)	2.6		1.8	0.18	ng/L		07/26/23 05:27	07/27/23 23:06	1
Perfluoropentanesulfonic acid (PFPeS)	0.44	J I	1.8	0.28	ng/L		07/26/23 05:27	07/27/23 23:06	1
Perfluorohexanesulfonic acid (PFHxS)	4.2		1.8	0.52	ng/L		07/26/23 05:27	07/27/23 23:06	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.17		1.8	0.17	ng/L		07/26/23 05:27	07/27/23 23:06	1
Perfluorooctanesulfonic acid (PFOS)	4.7		1.8	0.50	ng/L		07/26/23 05:27	07/27/23 23:06	1
Perfluorononanesulfonic acid (PFNS)	<0.34		1.8	0.34	ng/L		07/26/23 05:27	07/27/23 23:06	1
Perfluorodecanesulfonic acid (PFDS)	<0.29		1.8	0.29	ng/L		07/26/23 05:27	07/27/23 23:06	1
Perfluorododecanesulfonic acid (PFDoS)	<0.89		1.8	0.89	ng/L		07/26/23 05:27	07/27/23 23:06	1
Perfluorooctanesulfonamide (FOSA)	<0.90		1.8	0.90	ng/L		07/26/23 05:27	07/27/23 23:06	1
NEtFOSA	<0.80		1.8	0.80	ng/L		07/26/23 05:27	07/27/23 23:06	1
NMeFOSA	<0.40		1.8	0.40	ng/L		07/26/23 05:27	07/27/23 23:06	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<1.1		4.6	1.1	ng/L		07/26/23 05:27	07/27/23 23:06	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<1.2		4.6	1.2	ng/L		07/26/23 05:27	07/27/23 23:06	1
NMeFOSE	<1.3		3.7	1.3	ng/L		07/26/23 05:27	07/27/23 23:06	1
NEtFOSE	<0.78		1.8	0.78	ng/L		07/26/23 05:27	07/27/23 23:06	1
4:2 FTS	<0.22		1.8	0.22	ng/L		07/26/23 05:27	07/27/23 23:06	1
6:2 FTS	<2.3		4.6	2.3	ng/L		07/26/23 05:27	07/27/23 23:06	1
8:2 FTS	<0.42		1.8	0.42	ng/L		07/26/23 05:27	07/27/23 23:06	1
DONA	<0.37		1.8	0.37	ng/L		07/26/23 05:27	07/27/23 23:06	1
HFPO-DA (GenX)	<1.4		3.7	1.4	ng/L		07/26/23 05:27	07/27/23 23:06	1
F-53B Major	<0.22		1.8	0.22	ng/L		07/26/23 05:27	07/27/23 23:06	1
F-53B Minor	<0.29		1.8	0.29	ng/L		07/26/23 05:27	07/27/23 23:06	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	66		25 - 150	07/26/23 05:27	07/27/23 23:06	1
13C5 PFPeA	88		25 - 150	07/26/23 05:27	07/27/23 23:06	1
13C2 PFHxA	90		25 - 150	07/26/23 05:27	07/27/23 23:06	1
13C4 PFHpA	91		25 - 150	07/26/23 05:27	07/27/23 23:06	1
13C4 PFOA	99		25 - 150	07/26/23 05:27	07/27/23 23:06	1
13C5 PFNA	91		25 - 150	07/26/23 05:27	07/27/23 23:06	1
13C2 PFDA	86		25 - 150	07/26/23 05:27	07/27/23 23:06	1
13C2 PFUnA	74		25 - 150	07/26/23 05:27	07/27/23 23:06	1
13C2 PFDoA	46		25 - 150	07/26/23 05:27	07/27/23 23:06	1
13C3 PFBS	89		25 - 150	07/26/23 05:27	07/27/23 23:06	1

Eurofins Chicago

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: AMEC_MW-14

Lab Sample ID: 500-237064-29

Date Collected: 07/19/23 09:20

Matrix: Water

Date Received: 07/22/23 09:50

Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
18O2 PFHxS	83		25 - 150	07/26/23 05:27	07/27/23 23:06	1
13C4 PFOS	65		25 - 150	07/26/23 05:27	07/27/23 23:06	1
13C8 FOSA	103		10 - 150	07/26/23 05:27	07/27/23 23:06	1
d3-NMeFOSAA	83		25 - 150	07/26/23 05:27	07/27/23 23:06	1
d5-NEtFOSAA	66		25 - 150	07/26/23 05:27	07/27/23 23:06	1
d-N-MeFOSA-M	47		10 - 150	07/26/23 05:27	07/27/23 23:06	1
d-N-EtFOSA-M	32		10 - 150	07/26/23 05:27	07/27/23 23:06	1
d7-N-MeFOSE-M	24		10 - 150	07/26/23 05:27	07/27/23 23:06	1
d9-N-EtFOSE-M	12		10 - 150	07/26/23 05:27	07/27/23 23:06	1
M2-4:2 FTS	80		25 - 150	07/26/23 05:27	07/27/23 23:06	1
M2-6:2 FTS	74		25 - 150	07/26/23 05:27	07/27/23 23:06	1
M2-8:2 FTS	64		25 - 150	07/26/23 05:27	07/27/23 23:06	1
13C3 HFPO-DA	87		25 - 150	07/26/23 05:27	07/27/23 23:06	1

Method: EPA 537 (modified) - Fluorinated Alkyl Substances - RE

<i>Analyte</i>	<i>Result</i>	<i>Qualifier</i>	<i>RL</i>	<i>MDL</i>	<i>Unit</i>	<i>D</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
Perfluorotetradecanoic acid (PFTeA)	<7.3		20	7.3	ng/L		08/03/23 04:27	08/03/23 17:20	1

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C2 PFTeDA	84		25 - 150	08/03/23 04:27	08/03/23 17:20	1

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: AMEC_MW-15

Lab Sample ID: 500-237064-30

Date Collected: 07/20/23 14:22

Matrix: Water

Date Received: 07/22/23 09:50

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	17		4.5	2.2	ng/L		07/26/23 05:27	07/27/23 23:16	1
Perfluoropentanoic acid (PFPeA)	11		1.8	0.44	ng/L		07/26/23 05:27	07/27/23 23:16	1
Perfluorohexanoic acid (PFHxA)	8.4		1.8	0.52	ng/L		07/26/23 05:27	07/27/23 23:16	1
Perfluoroheptanoic acid (PFHpA)	6.6		1.8	0.23	ng/L		07/26/23 05:27	07/27/23 23:16	1
Perfluorooctanoic acid (PFOA)	220		1.8	0.77	ng/L		07/26/23 05:27	07/27/23 23:16	1
Perfluorononanoic acid (PFNA)	<0.24		1.8	0.24	ng/L		07/26/23 05:27	07/27/23 23:16	1
Perfluorodecanoic acid (PFDA)	<0.28		1.8	0.28	ng/L		07/26/23 05:27	07/27/23 23:16	1
Perfluoroundecanoic acid (PFUnA)	<0.99		1.8	0.99	ng/L		07/26/23 05:27	07/27/23 23:16	1
Perfluorododecanoic acid (PFDoA)	<0.50		1.8	0.50	ng/L		07/26/23 05:27	07/27/23 23:16	1
Perfluorotridecanoic acid (PFTriA)	<1.2		1.8	1.2	ng/L		07/26/23 05:27	07/27/23 23:16	1
Perfluorotetradecanoic acid (PFTeA)	<0.66		1.8	0.66	ng/L		07/26/23 05:27	07/27/23 23:16	1
Perfluorobutanesulfonic acid (PFBS)	3.6		1.8	0.18	ng/L		07/26/23 05:27	07/27/23 23:16	1
Perfluoropentanesulfonic acid (PFPeS)	<0.27		1.8	0.27	ng/L		07/26/23 05:27	07/27/23 23:16	1
Perfluorohexanesulfonic acid (PFHxS)	3.1		1.8	0.51	ng/L		07/26/23 05:27	07/27/23 23:16	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.17		1.8	0.17	ng/L		07/26/23 05:27	07/27/23 23:16	1
Perfluorooctanesulfonic acid (PFOS)	<0.49		1.8	0.49	ng/L		07/26/23 05:27	07/27/23 23:16	1
Perfluorononanesulfonic acid (PFNS)	<0.33		1.8	0.33	ng/L		07/26/23 05:27	07/27/23 23:16	1
Perfluorodecanesulfonic acid (PFDS)	<0.29		1.8	0.29	ng/L		07/26/23 05:27	07/27/23 23:16	1
Perfluorododecanesulfonic acid (PFDoS)	<0.88		1.8	0.88	ng/L		07/26/23 05:27	07/27/23 23:16	1
Perfluorooctanesulfonamide (FOSA)	<0.88		1.8	0.88	ng/L		07/26/23 05:27	07/27/23 23:16	1
NEtFOSA	<0.79		1.8	0.79	ng/L		07/26/23 05:27	07/27/23 23:16	1
NMeFOSA	<0.39		1.8	0.39	ng/L		07/26/23 05:27	07/27/23 23:16	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<1.1		4.5	1.1	ng/L		07/26/23 05:27	07/27/23 23:16	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<1.2		4.5	1.2	ng/L		07/26/23 05:27	07/27/23 23:16	1
NMeFOSE	<1.3		3.6	1.3	ng/L		07/26/23 05:27	07/27/23 23:16	1
NEtFOSE	<0.77		1.8	0.77	ng/L		07/26/23 05:27	07/27/23 23:16	1
4:2 FTS	<0.22		1.8	0.22	ng/L		07/26/23 05:27	07/27/23 23:16	1
6:2 FTS	<2.3		4.5	2.3	ng/L		07/26/23 05:27	07/27/23 23:16	1
8:2 FTS	<0.42		1.8	0.42	ng/L		07/26/23 05:27	07/27/23 23:16	1
DONA	<0.36		1.8	0.36	ng/L		07/26/23 05:27	07/27/23 23:16	1
HFPO-DA (GenX)	<1.4		3.6	1.4	ng/L		07/26/23 05:27	07/27/23 23:16	1
F-53B Major	<0.22		1.8	0.22	ng/L		07/26/23 05:27	07/27/23 23:16	1
F-53B Minor	<0.29		1.8	0.29	ng/L		07/26/23 05:27	07/27/23 23:16	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	50		25 - 150	07/26/23 05:27	07/27/23 23:16	1
13C5 PFPeA	76		25 - 150	07/26/23 05:27	07/27/23 23:16	1
13C2 PFHxA	84		25 - 150	07/26/23 05:27	07/27/23 23:16	1
13C4 PFHpA	89		25 - 150	07/26/23 05:27	07/27/23 23:16	1
13C4 PFOA	102		25 - 150	07/26/23 05:27	07/27/23 23:16	1
13C5 PFNA	95		25 - 150	07/26/23 05:27	07/27/23 23:16	1
13C2 PFDA	97		25 - 150	07/26/23 05:27	07/27/23 23:16	1
13C2 PFUnA	94		25 - 150	07/26/23 05:27	07/27/23 23:16	1
13C2 PFDoA	89		25 - 150	07/26/23 05:27	07/27/23 23:16	1
13C2 PFTeDA	82		25 - 150	07/26/23 05:27	07/27/23 23:16	1

Euofins Chicago

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: AMEC_MW-15

Lab Sample ID: 500-237064-30

Date Collected: 07/20/23 14:22

Matrix: Water

Date Received: 07/22/23 09:50

Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C3 PFBS	96		25 - 150	07/26/23 05:27	07/27/23 23:16	1
18O2 PFHxS	89		25 - 150	07/26/23 05:27	07/27/23 23:16	1
13C4 PFOS	95		25 - 150	07/26/23 05:27	07/27/23 23:16	1
13C8 FOSA	118		10 - 150	07/26/23 05:27	07/27/23 23:16	1
d3-NMeFOSAA	109		25 - 150	07/26/23 05:27	07/27/23 23:16	1
d5-NEtFOSAA	112		25 - 150	07/26/23 05:27	07/27/23 23:16	1
d-N-MeFOSA-M	87		10 - 150	07/26/23 05:27	07/27/23 23:16	1
d-N-EtFOSA-M	84		10 - 150	07/26/23 05:27	07/27/23 23:16	1
d7-N-MeFOSE-M	90		10 - 150	07/26/23 05:27	07/27/23 23:16	1
d9-N-EtFOSE-M	85		10 - 150	07/26/23 05:27	07/27/23 23:16	1
M2-4:2 FTS	111		25 - 150	07/26/23 05:27	07/27/23 23:16	1
M2-6:2 FTS	117		25 - 150	07/26/23 05:27	07/27/23 23:16	1
M2-8:2 FTS	101		25 - 150	07/26/23 05:27	07/27/23 23:16	1
13C3 HFPO-DA	85		25 - 150	07/26/23 05:27	07/27/23 23:16	1

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: AMEC_MW-16

Lab Sample ID: 500-237064-31

Date Collected: 07/19/23 14:33

Matrix: Water

Date Received: 07/22/23 09:50

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	7.2		4.5	2.2	ng/L		07/26/23 05:27	07/27/23 23:26	1
Perfluoropentanoic acid (PFPeA)	2.2		1.8	0.44	ng/L		07/26/23 05:27	07/27/23 23:26	1
Perfluorohexanoic acid (PFHxA)	9.2		1.8	0.52	ng/L		07/26/23 05:27	07/27/23 23:26	1
Perfluoroheptanoic acid (PFHpA)	29		1.8	0.23	ng/L		07/26/23 05:27	07/27/23 23:26	1
Perfluorononanoic acid (PFNA)	0.55	J	1.8	0.24	ng/L		07/26/23 05:27	07/27/23 23:26	1
Perfluorodecanoic acid (PFDA)	<0.28		1.8	0.28	ng/L		07/26/23 05:27	07/27/23 23:26	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.8	1.0	ng/L		07/26/23 05:27	07/27/23 23:26	1
Perfluorododecanoic acid (PFDoA)	<0.50		1.8	0.50	ng/L		07/26/23 05:27	07/27/23 23:26	1
Perfluorotridecanoic acid (PFTriA)	<1.2		1.8	1.2	ng/L		07/26/23 05:27	07/27/23 23:26	1
Perfluorotetradecanoic acid (PFTeA)	<0.66		1.8	0.66	ng/L		07/26/23 05:27	07/27/23 23:26	1
Perfluorobutanesulfonic acid (PFBS)	1.0	J	1.8	0.18	ng/L		07/26/23 05:27	07/27/23 23:26	1
Perfluoropentanesulfonic acid (PFPeS)	<0.27		1.8	0.27	ng/L		07/26/23 05:27	07/27/23 23:26	1
Perfluorohexanesulfonic acid (PFHxS)	1.7	J	1.8	0.52	ng/L		07/26/23 05:27	07/27/23 23:26	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.17		1.8	0.17	ng/L		07/26/23 05:27	07/27/23 23:26	1
Perfluorooctanesulfonic acid (PFOS)	<0.49		1.8	0.49	ng/L		07/26/23 05:27	07/27/23 23:26	1
Perfluorononanesulfonic acid (PFNS)	<0.33		1.8	0.33	ng/L		07/26/23 05:27	07/27/23 23:26	1
Perfluorodecanesulfonic acid (PFDS)	<0.29		1.8	0.29	ng/L		07/26/23 05:27	07/27/23 23:26	1
Perfluorododecanesulfonic acid (PFDoS)	<0.88		1.8	0.88	ng/L		07/26/23 05:27	07/27/23 23:26	1
Perfluorooctanesulfonamide (FOSA)	<0.89		1.8	0.89	ng/L		07/26/23 05:27	07/27/23 23:26	1
NEtFOSA	<0.79		1.8	0.79	ng/L		07/26/23 05:27	07/27/23 23:26	1
NMeFOSA	<0.39		1.8	0.39	ng/L		07/26/23 05:27	07/27/23 23:26	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<1.1		4.5	1.1	ng/L		07/26/23 05:27	07/27/23 23:26	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<1.2		4.5	1.2	ng/L		07/26/23 05:27	07/27/23 23:26	1
NMeFOSE	<1.3		3.6	1.3	ng/L		07/26/23 05:27	07/27/23 23:26	1
NEtFOSE	<0.77		1.8	0.77	ng/L		07/26/23 05:27	07/27/23 23:26	1
4:2 FTS	<0.22		1.8	0.22	ng/L		07/26/23 05:27	07/27/23 23:26	1
6:2 FTS	<2.3		4.5	2.3	ng/L		07/26/23 05:27	07/27/23 23:26	1
8:2 FTS	<0.42		1.8	0.42	ng/L		07/26/23 05:27	07/27/23 23:26	1
DONA	<0.36		1.8	0.36	ng/L		07/26/23 05:27	07/27/23 23:26	1
HFPO-DA (GenX)	<1.4		3.6	1.4	ng/L		07/26/23 05:27	07/27/23 23:26	1
F-53B Major	<0.22		1.8	0.22	ng/L		07/26/23 05:27	07/27/23 23:26	1
F-53B Minor	<0.29		1.8	0.29	ng/L		07/26/23 05:27	07/27/23 23:26	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	52		25 - 150				07/26/23 05:27	07/27/23 23:26	1
13C5 PFPeA	73		25 - 150				07/26/23 05:27	07/27/23 23:26	1
13C2 PFHxA	84		25 - 150				07/26/23 05:27	07/27/23 23:26	1
13C4 PFHpA	91		25 - 150				07/26/23 05:27	07/27/23 23:26	1
13C5 PFNA	98		25 - 150				07/26/23 05:27	07/27/23 23:26	1
13C2 PFDA	97		25 - 150				07/26/23 05:27	07/27/23 23:26	1
13C2 PFUnA	100		25 - 150				07/26/23 05:27	07/27/23 23:26	1
13C2 PFDoA	95		25 - 150				07/26/23 05:27	07/27/23 23:26	1
13C2 PFTeDA	90		25 - 150				07/26/23 05:27	07/27/23 23:26	1
13C3 PFBS	90		25 - 150				07/26/23 05:27	07/27/23 23:26	1
18O2 PFHxS	98		25 - 150				07/26/23 05:27	07/27/23 23:26	1

Euofins Chicago

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: AMEC_MW-16

Lab Sample ID: 500-237064-31

Date Collected: 07/19/23 14:33

Matrix: Water

Date Received: 07/22/23 09:50

Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C4 PFOS	101		25 - 150	07/26/23 05:27	07/27/23 23:26	1
13C8 FOSA	124		10 - 150	07/26/23 05:27	07/27/23 23:26	1
d3-NMeFOSAA	103		25 - 150	07/26/23 05:27	07/27/23 23:26	1
d5-NEtFOSAA	115		25 - 150	07/26/23 05:27	07/27/23 23:26	1
d-N-MeFOSA-M	90		10 - 150	07/26/23 05:27	07/27/23 23:26	1
d-N-EtFOSA-M	86		10 - 150	07/26/23 05:27	07/27/23 23:26	1
d7-N-MeFOSE-M	102		10 - 150	07/26/23 05:27	07/27/23 23:26	1
d9-N-EtFOSE-M	99		10 - 150	07/26/23 05:27	07/27/23 23:26	1
M2-4:2 FTS	89		25 - 150	07/26/23 05:27	07/27/23 23:26	1
M2-6:2 FTS	86		25 - 150	07/26/23 05:27	07/27/23 23:26	1
M2-8:2 FTS	81		25 - 150	07/26/23 05:27	07/27/23 23:26	1
13C3 HFPO-DA	84		25 - 150	07/26/23 05:27	07/27/23 23:26	1

Method: EPA 537 (modified) - Fluorinated Alkyl Substances - DL

<i>Analyte</i>	<i>Result</i>	<i>Qualifier</i>	<i>RL</i>	<i>MDL</i>	<i>Unit</i>	<i>D</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
Perfluorooctanoic acid (PFOA)	520		9.1	3.8	ng/L		07/26/23 05:27	07/30/23 07:46	5

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C4 PFOA	97		25 - 150	07/26/23 05:27	07/30/23 07:46	5

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: AMEC_MW-16A

Lab Sample ID: 500-237064-32

Date Collected: 07/19/23 15:12

Matrix: Water

Date Received: 07/22/23 09:50

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.1		4.5	2.1	ng/L		07/26/23 05:27	07/27/23 23:36	1
Perfluoropentanoic acid (PFPeA)	1.2	J	1.8	0.44	ng/L		07/26/23 05:27	07/27/23 23:36	1
Perfluorohexanoic acid (PFHxA)	1.6	J	1.8	0.52	ng/L		07/26/23 05:27	07/27/23 23:36	1
Perfluoroheptanoic acid (PFHpA)	1.1	J	1.8	0.22	ng/L		07/26/23 05:27	07/27/23 23:36	1
Perfluorooctanoic acid (PFOA)	7.1		1.8	0.76	ng/L		07/26/23 05:27	07/27/23 23:36	1
Perfluorononanoic acid (PFNA)	<0.24		1.8	0.24	ng/L		07/26/23 05:27	07/27/23 23:36	1
Perfluorodecanoic acid (PFDA)	<0.28		1.8	0.28	ng/L		07/26/23 05:27	07/27/23 23:36	1
Perfluoroundecanoic acid (PFUnA)	<0.98		1.8	0.98	ng/L		07/26/23 05:27	07/27/23 23:36	1
Perfluorododecanoic acid (PFDoA)	<0.49		1.8	0.49	ng/L		07/26/23 05:27	07/27/23 23:36	1
Perfluorotridecanoic acid (PFTriA)	<1.2		1.8	1.2	ng/L		07/26/23 05:27	07/27/23 23:36	1
Perfluorotetradecanoic acid (PFTeA)	<0.65		1.8	0.65	ng/L		07/26/23 05:27	07/27/23 23:36	1
Perfluorobutanesulfonic acid (PFBS)	<0.18		1.8	0.18	ng/L		07/26/23 05:27	07/27/23 23:36	1
Perfluoropentanesulfonic acid (PFPeS)	<0.27		1.8	0.27	ng/L		07/26/23 05:27	07/27/23 23:36	1
Perfluorohexanesulfonic acid (PFHxS)	0.65	J	1.8	0.51	ng/L		07/26/23 05:27	07/27/23 23:36	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.17		1.8	0.17	ng/L		07/26/23 05:27	07/27/23 23:36	1
Perfluorooctanesulfonic acid (PFOS)	<0.48		1.8	0.48	ng/L		07/26/23 05:27	07/27/23 23:36	1
Perfluorononanesulfonic acid (PFNS)	<0.33		1.8	0.33	ng/L		07/26/23 05:27	07/27/23 23:36	1
Perfluorodecanesulfonic acid (PFDS)	<0.29		1.8	0.29	ng/L		07/26/23 05:27	07/27/23 23:36	1
Perfluorododecanesulfonic acid (PFDoS)	<0.87		1.8	0.87	ng/L		07/26/23 05:27	07/27/23 23:36	1
Perfluorooctanesulfonamide (FOSA)	<0.87		1.8	0.87	ng/L		07/26/23 05:27	07/27/23 23:36	1
NEtFOSA	<0.78		1.8	0.78	ng/L		07/26/23 05:27	07/27/23 23:36	1
NMeFOSA	<0.38		1.8	0.38	ng/L		07/26/23 05:27	07/27/23 23:36	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<1.1		4.5	1.1	ng/L		07/26/23 05:27	07/27/23 23:36	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<1.2		4.5	1.2	ng/L		07/26/23 05:27	07/27/23 23:36	1
NMeFOSE	<1.2		3.6	1.2	ng/L		07/26/23 05:27	07/27/23 23:36	1
NEtFOSE	<0.76		1.8	0.76	ng/L		07/26/23 05:27	07/27/23 23:36	1
4:2 FTS	<0.21		1.8	0.21	ng/L		07/26/23 05:27	07/27/23 23:36	1
6:2 FTS	<2.2		4.5	2.2	ng/L		07/26/23 05:27	07/27/23 23:36	1
8:2 FTS	<0.41		1.8	0.41	ng/L		07/26/23 05:27	07/27/23 23:36	1
DONA	<0.36		1.8	0.36	ng/L		07/26/23 05:27	07/27/23 23:36	1
HFPO-DA (GenX)	<1.3		3.6	1.3	ng/L		07/26/23 05:27	07/27/23 23:36	1
F-53B Major	<0.21		1.8	0.21	ng/L		07/26/23 05:27	07/27/23 23:36	1
F-53B Minor	<0.29		1.8	0.29	ng/L		07/26/23 05:27	07/27/23 23:36	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	81		25 - 150				07/26/23 05:27	07/27/23 23:36	1
13C5 PFPeA	97		25 - 150				07/26/23 05:27	07/27/23 23:36	1
13C2 PFHxA	99		25 - 150				07/26/23 05:27	07/27/23 23:36	1
13C4 PFHpA	103		25 - 150				07/26/23 05:27	07/27/23 23:36	1
13C4 PFOA	101		25 - 150				07/26/23 05:27	07/27/23 23:36	1
13C5 PFNA	100		25 - 150				07/26/23 05:27	07/27/23 23:36	1
13C2 PFDA	102		25 - 150				07/26/23 05:27	07/27/23 23:36	1
13C2 PFUnA	104		25 - 150				07/26/23 05:27	07/27/23 23:36	1
13C2 PFDoA	99		25 - 150				07/26/23 05:27	07/27/23 23:36	1
13C2 PFTeDA	94		25 - 150				07/26/23 05:27	07/27/23 23:36	1
13C3 PFBS	101		25 - 150				07/26/23 05:27	07/27/23 23:36	1

Euofins Chicago

Client Sample Results

Client: Ramboll US Corporation
Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: AMEC_MW-16A

Lab Sample ID: 500-237064-32

Date Collected: 07/19/23 15:12

Matrix: Water

Date Received: 07/22/23 09:50

Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
18O2 PFHxS	101		25 - 150	07/26/23 05:27	07/27/23 23:36	1
13C4 PFOS	107		25 - 150	07/26/23 05:27	07/27/23 23:36	1
13C8 FOSA	131		10 - 150	07/26/23 05:27	07/27/23 23:36	1
d3-NMeFOSAA	125		25 - 150	07/26/23 05:27	07/27/23 23:36	1
d5-NEtFOSAA	124		25 - 150	07/26/23 05:27	07/27/23 23:36	1
d-N-MeFOSA-M	102		10 - 150	07/26/23 05:27	07/27/23 23:36	1
d-N-EtFOSA-M	102		10 - 150	07/26/23 05:27	07/27/23 23:36	1
d7-N-MeFOSE-M	107		10 - 150	07/26/23 05:27	07/27/23 23:36	1
d9-N-EtFOSE-M	99		10 - 150	07/26/23 05:27	07/27/23 23:36	1
M2-4:2 FTS	79		25 - 150	07/26/23 05:27	07/27/23 23:36	1
M2-6:2 FTS	81		25 - 150	07/26/23 05:27	07/27/23 23:36	1
M2-8:2 FTS	84		25 - 150	07/26/23 05:27	07/27/23 23:36	1
13C3 HFPO-DA	95		25 - 150	07/26/23 05:27	07/27/23 23:36	1

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: AMEC_MW-17

Lab Sample ID: 500-237064-33

Date Collected: 07/20/23 09:37

Matrix: Water

Date Received: 07/22/23 09:50

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	7.4		4.5	2.2	ng/L		07/26/23 05:35	07/28/23 00:48	1
Perfluoropentanoic acid (PFPeA)	1.8		1.8	0.44	ng/L		07/26/23 05:35	07/28/23 00:48	1
Perfluorohexanoic acid (PFHxA)	1.5	J	1.8	0.52	ng/L		07/26/23 05:35	07/28/23 00:48	1
Perfluoroheptanoic acid (PFHpA)	1.9		1.8	0.23	ng/L		07/26/23 05:35	07/28/23 00:48	1
Perfluorooctanoic acid (PFOA)	52		1.8	0.77	ng/L		07/26/23 05:35	07/28/23 00:48	1
Perfluorononanoic acid (PFNA)	0.45	J	1.8	0.24	ng/L		07/26/23 05:35	07/28/23 00:48	1
Perfluorodecanoic acid (PFDA)	<0.28		1.8	0.28	ng/L		07/26/23 05:35	07/28/23 00:48	1
Perfluoroundecanoic acid (PFUnA)	<0.99		1.8	0.99	ng/L		07/26/23 05:35	07/28/23 00:48	1
Perfluorododecanoic acid (PFDoA)	<0.50		1.8	0.50	ng/L		07/26/23 05:35	07/28/23 00:48	1
Perfluorotridecanoic acid (PFTriA)	<1.2		1.8	1.2	ng/L		07/26/23 05:35	07/28/23 00:48	1
Perfluorotetradecanoic acid (PFTeA)	<0.66		1.8	0.66	ng/L		07/26/23 05:35	07/28/23 00:48	1
Perfluorobutanesulfonic acid (PFBS)	2.2		1.8	0.18	ng/L		07/26/23 05:35	07/28/23 00:48	1
Perfluoropentanesulfonic acid (PFPeS)	<0.27		1.8	0.27	ng/L		07/26/23 05:35	07/28/23 00:48	1
Perfluorohexanesulfonic acid (PFHxS)	0.90	J	1.8	0.51	ng/L		07/26/23 05:35	07/28/23 00:48	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.17		1.8	0.17	ng/L		07/26/23 05:35	07/28/23 00:48	1
Perfluorooctanesulfonic acid (PFOS)	1.6	J	1.8	0.49	ng/L		07/26/23 05:35	07/28/23 00:48	1
Perfluorononanesulfonic acid (PFNS)	<0.33		1.8	0.33	ng/L		07/26/23 05:35	07/28/23 00:48	1
Perfluorodecanesulfonic acid (PFDS)	<0.29		1.8	0.29	ng/L		07/26/23 05:35	07/28/23 00:48	1
Perfluorododecanesulfonic acid (PFDoS)	<0.88		1.8	0.88	ng/L		07/26/23 05:35	07/28/23 00:48	1
Perfluorooctanesulfonamide (FOSA)	<0.88		1.8	0.88	ng/L		07/26/23 05:35	07/28/23 00:48	1
NEtFOSA	<0.78		1.8	0.78	ng/L		07/26/23 05:35	07/28/23 00:48	1
NMeFOSA	<0.39		1.8	0.39	ng/L		07/26/23 05:35	07/28/23 00:48	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<1.1		4.5	1.1	ng/L		07/26/23 05:35	07/28/23 00:48	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<1.2		4.5	1.2	ng/L		07/26/23 05:35	07/28/23 00:48	1
NMeFOSE	<1.3		3.6	1.3	ng/L		07/26/23 05:35	07/28/23 00:48	1
NEtFOSE	<0.77		1.8	0.77	ng/L		07/26/23 05:35	07/28/23 00:48	1
4:2 FTS	<0.22		1.8	0.22	ng/L		07/26/23 05:35	07/28/23 00:48	1
6:2 FTS	<2.3		4.5	2.3	ng/L		07/26/23 05:35	07/28/23 00:48	1
8:2 FTS	<0.42		1.8	0.42	ng/L		07/26/23 05:35	07/28/23 00:48	1
DONA	<0.36		1.8	0.36	ng/L		07/26/23 05:35	07/28/23 00:48	1
HFPO-DA (GenX)	<1.4		3.6	1.4	ng/L		07/26/23 05:35	07/28/23 00:48	1
F-53B Major	<0.22		1.8	0.22	ng/L		07/26/23 05:35	07/28/23 00:48	1
F-53B Minor	<0.29		1.8	0.29	ng/L		07/26/23 05:35	07/28/23 00:48	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	83		25 - 150	07/26/23 05:35	07/28/23 00:48	1
13C5 PFPeA	97		25 - 150	07/26/23 05:35	07/28/23 00:48	1
13C2 PFHxA	98		25 - 150	07/26/23 05:35	07/28/23 00:48	1
13C4 PFHpA	99		25 - 150	07/26/23 05:35	07/28/23 00:48	1
13C4 PFOA	105		25 - 150	07/26/23 05:35	07/28/23 00:48	1
13C5 PFNA	101		25 - 150	07/26/23 05:35	07/28/23 00:48	1
13C2 PFDA	102		25 - 150	07/26/23 05:35	07/28/23 00:48	1
13C2 PFUnA	104		25 - 150	07/26/23 05:35	07/28/23 00:48	1
13C2 PFDoA	97		25 - 150	07/26/23 05:35	07/28/23 00:48	1

Eurofins Chicago

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: AMEC_MW-17

Lab Sample ID: 500-237064-33

Date Collected: 07/20/23 09:37

Matrix: Water

Date Received: 07/22/23 09:50

Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C2 PFTeDA	98		25 - 150	07/26/23 05:35	07/28/23 00:48	1
13C3 PFBS	101		25 - 150	07/26/23 05:35	07/28/23 00:48	1
18O2 PFHxS	103		25 - 150	07/26/23 05:35	07/28/23 00:48	1
13C4 PFOS	105		25 - 150	07/26/23 05:35	07/28/23 00:48	1
13C8 FOSA	128		10 - 150	07/26/23 05:35	07/28/23 00:48	1
d3-NMeFOSAA	120		25 - 150	07/26/23 05:35	07/28/23 00:48	1
d5-NEtFOSAA	123		25 - 150	07/26/23 05:35	07/28/23 00:48	1
d-N-MeFOSA-M	94		10 - 150	07/26/23 05:35	07/28/23 00:48	1
d-N-EtFOSA-M	90		10 - 150	07/26/23 05:35	07/28/23 00:48	1
d7-N-MeFOSE-M	108		10 - 150	07/26/23 05:35	07/28/23 00:48	1
d9-N-EtFOSE-M	98		10 - 150	07/26/23 05:35	07/28/23 00:48	1
M2-4:2 FTS	85		25 - 150	07/26/23 05:35	07/28/23 00:48	1
M2-6:2 FTS	85		25 - 150	07/26/23 05:35	07/28/23 00:48	1
M2-8:2 FTS	81		25 - 150	07/26/23 05:35	07/28/23 00:48	1
13C3 HFPO-DA	93		25 - 150	07/26/23 05:35	07/28/23 00:48	1

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-121

Lab Sample ID: 500-237064-34

Date Collected: 07/20/23 07:55

Matrix: Water

Date Received: 07/22/23 09:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	50		0.50	0.15	ug/L			08/03/23 13:08	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/03/23 13:08	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/03/23 13:08	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/03/23 13:08	1
Bromoform	<0.48		1.0	0.48	ug/L			08/03/23 13:08	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/03/23 13:08	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/03/23 13:08	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/03/23 13:08	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/03/23 13:08	1
Chloroform	<0.37		2.0	0.37	ug/L			08/03/23 13:08	1
Chloromethane	<0.32		5.0	0.32	ug/L			08/03/23 13:08	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/03/23 13:08	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/03/23 13:08	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			08/03/23 13:08	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/03/23 13:08	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/03/23 13:08	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/03/23 13:08	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/03/23 13:08	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/03/23 13:08	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/03/23 13:08	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/03/23 13:08	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/03/23 13:08	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/03/23 13:08	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/03/23 13:08	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/03/23 13:08	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/03/23 13:08	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/03/23 13:08	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/03/23 13:08	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/03/23 13:08	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/03/23 13:08	1
Ethylbenzene	42		0.50	0.18	ug/L			08/03/23 13:08	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/03/23 13:08	1
Isopropylbenzene	26		1.0	0.39	ug/L			08/03/23 13:08	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/03/23 13:08	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/03/23 13:08	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/03/23 13:08	1
Naphthalene	68		1.0	0.34	ug/L			08/03/23 13:08	1
n-Butylbenzene	8.0		1.0	0.39	ug/L			08/03/23 13:08	1
N-Propylbenzene	33		1.0	0.41	ug/L			08/03/23 13:08	1
p-Isopropyltoluene	6.5		1.0	0.36	ug/L			08/03/23 13:08	1
sec-Butylbenzene	4.8		1.0	0.40	ug/L			08/03/23 13:08	1
Styrene	<0.39		1.0	0.39	ug/L			08/03/23 13:08	1
tert-Butylbenzene	0.64 J		1.0	0.40	ug/L			08/03/23 13:08	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/03/23 13:08	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/03/23 13:08	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			08/03/23 13:08	1
Toluene	<0.15		0.50	0.15	ug/L			08/03/23 13:08	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			08/03/23 13:08	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/03/23 13:08	1

Eurofins Chicago

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-121

Lab Sample ID: 500-237064-34

Date Collected: 07/20/23 07:55

Matrix: Water

Date Received: 07/22/23 09:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/03/23 13:08	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/03/23 13:08	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/03/23 13:08	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/03/23 13:08	1
Trichloroethene	<0.16		0.50	0.16	ug/L			08/03/23 13:08	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/03/23 13:08	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/03/23 13:08	1
1,3,5-Trimethylbenzene	43		1.0	0.25	ug/L			08/03/23 13:08	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/03/23 13:08	1
Xylenes, Total	89		1.0	0.22	ug/L			08/03/23 13:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		72 - 124		08/03/23 13:08	1
Dibromofluoromethane (Surr)	96		75 - 120		08/03/23 13:08	1
1,2-Dichloroethane-d4 (Surr)	99		75 - 126		08/03/23 13:08	1
Toluene-d8 (Surr)	105		75 - 120		08/03/23 13:08	1

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	280		10	3.6	ug/L			08/03/23 22:38	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		72 - 124		08/03/23 22:38	10
Dibromofluoromethane (Surr)	96		75 - 120		08/03/23 22:38	10
1,2-Dichloroethane-d4 (Surr)	95		75 - 126		08/03/23 22:38	10
Toluene-d8 (Surr)	107		75 - 120		08/03/23 22:38	10

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-200

Lab Sample ID: 500-237064-35

Date Collected: 07/19/23 11:24

Matrix: Water

Date Received: 07/22/23 09:50

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	11		4.5	2.2	ng/L		07/26/23 05:35	07/28/23 00:58	1
Perfluoropentanoic acid (PFPeA)	8.0		1.8	0.44	ng/L		07/26/23 05:35	07/28/23 00:58	1
Perfluorohexanoic acid (PFHxA)	7.7		1.8	0.52	ng/L		07/26/23 05:35	07/28/23 00:58	1
Perfluoroheptanoic acid (PFHpA)	5.5		1.8	0.23	ng/L		07/26/23 05:35	07/28/23 00:58	1
Perfluorooctanoic acid (PFOA)	73		1.8	0.77	ng/L		07/26/23 05:35	07/28/23 00:58	1
Perfluorononanoic acid (PFNA)	<0.24		1.8	0.24	ng/L		07/26/23 05:35	07/28/23 00:58	1
Perfluorodecanoic acid (PFDA)	<0.28		1.8	0.28	ng/L		07/26/23 05:35	07/28/23 00:58	1
Perfluoroundecanoic acid (PFUnA)	<0.99		1.8	0.99	ng/L		07/26/23 05:35	07/28/23 00:58	1
Perfluorododecanoic acid (PFDoA)	<0.50		1.8	0.50	ng/L		07/26/23 05:35	07/28/23 00:58	1
Perfluorotridecanoic acid (PFTriA)	<1.2		1.8	1.2	ng/L		07/26/23 05:35	07/28/23 00:58	1
Perfluorotetradecanoic acid (PFTeA)	<0.66		1.8	0.66	ng/L		07/26/23 05:35	07/28/23 00:58	1
Perfluorobutanesulfonic acid (PFBS)	17		1.8	0.18	ng/L		07/26/23 05:35	07/28/23 00:58	1
Perfluoropentanesulfonic acid (PFPeS)	0.56	J	1.8	0.27	ng/L		07/26/23 05:35	07/28/23 00:58	1
Perfluorohexanesulfonic acid (PFHxS)	2.8		1.8	0.51	ng/L		07/26/23 05:35	07/28/23 00:58	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.17		1.8	0.17	ng/L		07/26/23 05:35	07/28/23 00:58	1
Perfluorooctanesulfonic acid (PFOS)	3.0		1.8	0.49	ng/L		07/26/23 05:35	07/28/23 00:58	1
Perfluorononanesulfonic acid (PFNS)	<0.33		1.8	0.33	ng/L		07/26/23 05:35	07/28/23 00:58	1
Perfluorodecanesulfonic acid (PFDS)	<0.29		1.8	0.29	ng/L		07/26/23 05:35	07/28/23 00:58	1
Perfluorododecanesulfonic acid (PFDoS)	<0.87		1.8	0.87	ng/L		07/26/23 05:35	07/28/23 00:58	1
Perfluorooctanesulfonamide (FOSA)	<0.88		1.8	0.88	ng/L		07/26/23 05:35	07/28/23 00:58	1
NEtFOSA	<0.78		1.8	0.78	ng/L		07/26/23 05:35	07/28/23 00:58	1
NMeFOSA	<0.39		1.8	0.39	ng/L		07/26/23 05:35	07/28/23 00:58	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<1.1		4.5	1.1	ng/L		07/26/23 05:35	07/28/23 00:58	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<1.2		4.5	1.2	ng/L		07/26/23 05:35	07/28/23 00:58	1
NMeFOSE	<1.3		3.6	1.3	ng/L		07/26/23 05:35	07/28/23 00:58	1
NEtFOSE	<0.77		1.8	0.77	ng/L		07/26/23 05:35	07/28/23 00:58	1
4:2 FTS	<0.22		1.8	0.22	ng/L		07/26/23 05:35	07/28/23 00:58	1
6:2 FTS	<2.3		4.5	2.3	ng/L		07/26/23 05:35	07/28/23 00:58	1
8:2 FTS	<0.41		1.8	0.41	ng/L		07/26/23 05:35	07/28/23 00:58	1
DONA	<0.36		1.8	0.36	ng/L		07/26/23 05:35	07/28/23 00:58	1
HFPO-DA (GenX)	<1.4		3.6	1.4	ng/L		07/26/23 05:35	07/28/23 00:58	1
F-53B Major	<0.22		1.8	0.22	ng/L		07/26/23 05:35	07/28/23 00:58	1
F-53B Minor	<0.29		1.8	0.29	ng/L		07/26/23 05:35	07/28/23 00:58	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	88		25 - 150	07/26/23 05:35	07/28/23 00:58	1
13C5 PFPeA	95		25 - 150	07/26/23 05:35	07/28/23 00:58	1
13C2 PFHxA	97		25 - 150	07/26/23 05:35	07/28/23 00:58	1
13C4 PFHpA	96		25 - 150	07/26/23 05:35	07/28/23 00:58	1
13C4 PFOA	102		25 - 150	07/26/23 05:35	07/28/23 00:58	1
13C5 PFNA	97		25 - 150	07/26/23 05:35	07/28/23 00:58	1
13C2 PFDA	97		25 - 150	07/26/23 05:35	07/28/23 00:58	1
13C2 PFUnA	96		25 - 150	07/26/23 05:35	07/28/23 00:58	1
13C2 PFDoA	91		25 - 150	07/26/23 05:35	07/28/23 00:58	1

Eurofins Chicago

Client Sample Results

Client: Ramboll US Corporation
Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-200

Lab Sample ID: 500-237064-35

Date Collected: 07/19/23 11:24

Matrix: Water

Date Received: 07/22/23 09:50

Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C2 PFTeDA	88		25 - 150	07/26/23 05:35	07/28/23 00:58	1
13C3 PFBS	98		25 - 150	07/26/23 05:35	07/28/23 00:58	1
18O2 PFHxS	100		25 - 150	07/26/23 05:35	07/28/23 00:58	1
13C4 PFOS	103		25 - 150	07/26/23 05:35	07/28/23 00:58	1
13C8 FOSA	125		10 - 150	07/26/23 05:35	07/28/23 00:58	1
d3-NMeFOSAA	109		25 - 150	07/26/23 05:35	07/28/23 00:58	1
d5-NEtFOSAA	111		25 - 150	07/26/23 05:35	07/28/23 00:58	1
d-N-MeFOSA-M	90		10 - 150	07/26/23 05:35	07/28/23 00:58	1
d-N-EtFOSA-M	83		10 - 150	07/26/23 05:35	07/28/23 00:58	1
d7-N-MeFOSE-M	99		10 - 150	07/26/23 05:35	07/28/23 00:58	1
d9-N-EtFOSE-M	91		10 - 150	07/26/23 05:35	07/28/23 00:58	1
M2-4:2 FTS	75		25 - 150	07/26/23 05:35	07/28/23 00:58	1
M2-6:2 FTS	77		25 - 150	07/26/23 05:35	07/28/23 00:58	1
M2-8:2 FTS	82		25 - 150	07/26/23 05:35	07/28/23 00:58	1
13C3 HFPO-DA	90		25 - 150	07/26/23 05:35	07/28/23 00:58	1

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: PZ-200

Lab Sample ID: 500-237064-36

Date Collected: 07/19/23 10:50

Matrix: Water

Date Received: 07/22/23 09:50

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	2.3	J	4.5	2.2	ng/L		07/26/23 05:35	07/28/23 01:08	1
Perfluoropentanoic acid (PFPeA)	1.0	J	1.8	0.44	ng/L		07/26/23 05:35	07/28/23 01:08	1
Perfluorohexanoic acid (PFHxA)	1.7	J	1.8	0.52	ng/L		07/26/23 05:35	07/28/23 01:08	1
Perfluoroheptanoic acid (PFHpA)	1.4	J	1.8	0.23	ng/L		07/26/23 05:35	07/28/23 01:08	1
Perfluorooctanoic acid (PFOA)	7.1		1.8	0.77	ng/L		07/26/23 05:35	07/28/23 01:08	1
Perfluorononanoic acid (PFNA)	<0.24		1.8	0.24	ng/L		07/26/23 05:35	07/28/23 01:08	1
Perfluorodecanoic acid (PFDA)	<0.28		1.8	0.28	ng/L		07/26/23 05:35	07/28/23 01:08	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.8	1.0	ng/L		07/26/23 05:35	07/28/23 01:08	1
Perfluorododecanoic acid (PFDoA)	<0.50		1.8	0.50	ng/L		07/26/23 05:35	07/28/23 01:08	1
Perfluorotridecanoic acid (PFTriA)	<1.2		1.8	1.2	ng/L		07/26/23 05:35	07/28/23 01:08	1
Perfluorotetradecanoic acid (PFTeA)	<0.66		1.8	0.66	ng/L		07/26/23 05:35	07/28/23 01:08	1
Perfluorobutanesulfonic acid (PFBS)	0.41	J	1.8	0.18	ng/L		07/26/23 05:35	07/28/23 01:08	1
Perfluoropentanesulfonic acid (PFPeS)	<0.27		1.8	0.27	ng/L		07/26/23 05:35	07/28/23 01:08	1
Perfluorohexanesulfonic acid (PFHxS)	<0.52		1.8	0.52	ng/L		07/26/23 05:35	07/28/23 01:08	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.17		1.8	0.17	ng/L		07/26/23 05:35	07/28/23 01:08	1
Perfluorooctanesulfonic acid (PFOS)	<0.49		1.8	0.49	ng/L		07/26/23 05:35	07/28/23 01:08	1
Perfluorononanesulfonic acid (PFNS)	<0.33		1.8	0.33	ng/L		07/26/23 05:35	07/28/23 01:08	1
Perfluorodecanesulfonic acid (PFDS)	<0.29		1.8	0.29	ng/L		07/26/23 05:35	07/28/23 01:08	1
Perfluorododecanesulfonic acid (PFDoS)	<0.88		1.8	0.88	ng/L		07/26/23 05:35	07/28/23 01:08	1
Perfluorooctanesulfonamide (FOSA)	<0.89		1.8	0.89	ng/L		07/26/23 05:35	07/28/23 01:08	1
NEtFOSA	<0.79		1.8	0.79	ng/L		07/26/23 05:35	07/28/23 01:08	1
NMeFOSA	<0.39		1.8	0.39	ng/L		07/26/23 05:35	07/28/23 01:08	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<1.1		4.5	1.1	ng/L		07/26/23 05:35	07/28/23 01:08	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<1.2		4.5	1.2	ng/L		07/26/23 05:35	07/28/23 01:08	1
NMeFOSE	<1.3		3.6	1.3	ng/L		07/26/23 05:35	07/28/23 01:08	1
NEtFOSE	<0.77		1.8	0.77	ng/L		07/26/23 05:35	07/28/23 01:08	1
4:2 FTS	<0.22		1.8	0.22	ng/L		07/26/23 05:35	07/28/23 01:08	1
6:2 FTS	<2.3		4.5	2.3	ng/L		07/26/23 05:35	07/28/23 01:08	1
8:2 FTS	<0.42		1.8	0.42	ng/L		07/26/23 05:35	07/28/23 01:08	1
DONA	<0.36		1.8	0.36	ng/L		07/26/23 05:35	07/28/23 01:08	1
HFPO-DA (GenX)	<1.4		3.6	1.4	ng/L		07/26/23 05:35	07/28/23 01:08	1
F-53B Major	<0.22		1.8	0.22	ng/L		07/26/23 05:35	07/28/23 01:08	1
F-53B Minor	<0.29		1.8	0.29	ng/L		07/26/23 05:35	07/28/23 01:08	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	86		25 - 150				07/26/23 05:35	07/28/23 01:08	1
13C5 PFPeA	98		25 - 150				07/26/23 05:35	07/28/23 01:08	1
13C2 PFHxA	100		25 - 150				07/26/23 05:35	07/28/23 01:08	1
13C4 PFHpA	102		25 - 150				07/26/23 05:35	07/28/23 01:08	1
13C4 PFOA	101		25 - 150				07/26/23 05:35	07/28/23 01:08	1
13C5 PFNA	105		25 - 150				07/26/23 05:35	07/28/23 01:08	1
13C2 PFDA	104		25 - 150				07/26/23 05:35	07/28/23 01:08	1
13C2 PFUnA	104		25 - 150				07/26/23 05:35	07/28/23 01:08	1
13C2 PFDoA	95		25 - 150				07/26/23 05:35	07/28/23 01:08	1
13C2 PFTeDA	96		25 - 150				07/26/23 05:35	07/28/23 01:08	1
13C3 PFBS	105		25 - 150				07/26/23 05:35	07/28/23 01:08	1

Eurofins Chicago

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: PZ-200
Date Collected: 07/19/23 10:50
Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-36
Matrix: Water

Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
18O2 PFHxS	108		25 - 150	07/26/23 05:35	07/28/23 01:08	1
13C4 PFOS	109		25 - 150	07/26/23 05:35	07/28/23 01:08	1
13C8 FOSA	133		10 - 150	07/26/23 05:35	07/28/23 01:08	1
d3-NMeFOSAA	122		25 - 150	07/26/23 05:35	07/28/23 01:08	1
d5-NEtFOSAA	121		25 - 150	07/26/23 05:35	07/28/23 01:08	1
d-N-MeFOSA-M	105		10 - 150	07/26/23 05:35	07/28/23 01:08	1
d-N-EtFOSA-M	100		10 - 150	07/26/23 05:35	07/28/23 01:08	1
d7-N-MeFOSE-M	105		10 - 150	07/26/23 05:35	07/28/23 01:08	1
d9-N-EtFOSE-M	94		10 - 150	07/26/23 05:35	07/28/23 01:08	1
M2-4:2 FTS	87		25 - 150	07/26/23 05:35	07/28/23 01:08	1
M2-6:2 FTS	87		25 - 150	07/26/23 05:35	07/28/23 01:08	1
M2-8:2 FTS	85		25 - 150	07/26/23 05:35	07/28/23 01:08	1
13C3 HFPO-DA	95		25 - 150	07/26/23 05:35	07/28/23 01:08	1

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-209

Lab Sample ID: 500-237064-37

Date Collected: 07/20/23 11:50

Matrix: Water

Date Received: 07/22/23 09:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			08/03/23 13:33	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/03/23 13:33	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/03/23 13:33	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/03/23 13:33	1
Bromoform	<0.48		1.0	0.48	ug/L			08/03/23 13:33	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/03/23 13:33	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/03/23 13:33	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/03/23 13:33	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/03/23 13:33	1
Chloroform	<0.37		2.0	0.37	ug/L			08/03/23 13:33	1
Chloromethane	<0.32		5.0	0.32	ug/L			08/03/23 13:33	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/03/23 13:33	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/03/23 13:33	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			08/03/23 13:33	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/03/23 13:33	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/03/23 13:33	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/03/23 13:33	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/03/23 13:33	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/03/23 13:33	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/03/23 13:33	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/03/23 13:33	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/03/23 13:33	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/03/23 13:33	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/03/23 13:33	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/03/23 13:33	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/03/23 13:33	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/03/23 13:33	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/03/23 13:33	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/03/23 13:33	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/03/23 13:33	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/03/23 13:33	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/03/23 13:33	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			08/03/23 13:33	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/03/23 13:33	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/03/23 13:33	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/03/23 13:33	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/03/23 13:33	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			08/03/23 13:33	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			08/03/23 13:33	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			08/03/23 13:33	1
Styrene	<0.39		1.0	0.39	ug/L			08/03/23 13:33	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			08/03/23 13:33	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/03/23 13:33	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/03/23 13:33	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			08/03/23 13:33	1
Toluene	<0.15		0.50	0.15	ug/L			08/03/23 13:33	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			08/03/23 13:33	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/03/23 13:33	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/03/23 13:33	1

Eurofins Chicago

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-209

Lab Sample ID: 500-237064-37

Date Collected: 07/20/23 11:50

Matrix: Water

Date Received: 07/22/23 09:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/03/23 13:33	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/03/23 13:33	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/03/23 13:33	1
Trichloroethene	<0.16		0.50	0.16	ug/L			08/03/23 13:33	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/03/23 13:33	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/03/23 13:33	1
1,2,4-Trimethylbenzene	0.86	J	1.0	0.36	ug/L			08/03/23 13:33	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			08/03/23 13:33	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/03/23 13:33	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			08/03/23 13:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		72 - 124		08/03/23 13:33	1
Dibromofluoromethane (Surr)	100		75 - 120		08/03/23 13:33	1
1,2-Dichloroethane-d4 (Surr)	103		75 - 126		08/03/23 13:33	1
Toluene-d8 (Surr)	105		75 - 120		08/03/23 13:33	1

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<0.34	H	1.0	0.34	ug/L			08/04/23 13:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		72 - 124		08/04/23 13:50	1
Dibromofluoromethane (Surr)	99		75 - 120		08/04/23 13:50	1
1,2-Dichloroethane-d4 (Surr)	102		75 - 126		08/04/23 13:50	1
Toluene-d8 (Surr)	93		75 - 120		08/04/23 13:50	1

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	7.8		4.5	2.1	ng/L		07/26/23 05:35	07/28/23 01:18	1
Perfluoropentanoic acid (PFPeA)	2.4		1.8	0.44	ng/L		07/26/23 05:35	07/28/23 01:18	1
Perfluorohexanoic acid (PFHxA)	3.7		1.8	0.52	ng/L		07/26/23 05:35	07/28/23 01:18	1
Perfluoroheptanoic acid (PFHpA)	5.9		1.8	0.22	ng/L		07/26/23 05:35	07/28/23 01:18	1
Perfluorooctanoic acid (PFOA)	71		1.8	0.76	ng/L		07/26/23 05:35	07/28/23 01:18	1
Perfluorononanoic acid (PFNA)	0.44	J	1.8	0.24	ng/L		07/26/23 05:35	07/28/23 01:18	1
Perfluorodecanoic acid (PFDA)	<0.28		1.8	0.28	ng/L		07/26/23 05:35	07/28/23 01:18	1
Perfluoroundecanoic acid (PFUnA)	<0.98		1.8	0.98	ng/L		07/26/23 05:35	07/28/23 01:18	1
Perfluorododecanoic acid (PFDoA)	<0.49		1.8	0.49	ng/L		07/26/23 05:35	07/28/23 01:18	1
Perfluorotridecanoic acid (PFTriA)	<1.2		1.8	1.2	ng/L		07/26/23 05:35	07/28/23 01:18	1
Perfluorotetradecanoic acid (PFTeA)	<0.65		1.8	0.65	ng/L		07/26/23 05:35	07/28/23 01:18	1
Perfluorobutanesulfonic acid (PFBS)	2.9		1.8	0.18	ng/L		07/26/23 05:35	07/28/23 01:18	1
Perfluoropentanesulfonic acid (PFPeS)	0.47	J	1.8	0.27	ng/L		07/26/23 05:35	07/28/23 01:18	1
Perfluorohexanesulfonic acid (PFHxS)	7.9		1.8	0.51	ng/L		07/26/23 05:35	07/28/23 01:18	1
Perfluoroheptanesulfonic acid (PFHpS)	0.22	J I	1.8	0.17	ng/L		07/26/23 05:35	07/28/23 01:18	1
Perfluorooctanesulfonic acid (PFOS)	12		1.8	0.48	ng/L		07/26/23 05:35	07/28/23 01:18	1
Perfluorononanesulfonic acid (PFNS)	<0.33		1.8	0.33	ng/L		07/26/23 05:35	07/28/23 01:18	1
Perfluorodecanesulfonic acid (PFDS)	<0.29		1.8	0.29	ng/L		07/26/23 05:35	07/28/23 01:18	1

Euofins Chicago

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-209

Lab Sample ID: 500-237064-37

Date Collected: 07/20/23 11:50

Matrix: Water

Date Received: 07/22/23 09:50

Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorododecanesulfonic acid (PFDoS)	<0.87		1.8	0.87	ng/L		07/26/23 05:35	07/28/23 01:18	1
Perfluorooctanesulfonamide (FOSA)	<0.88		1.8	0.88	ng/L		07/26/23 05:35	07/28/23 01:18	1
NEtFOSA	<0.78		1.8	0.78	ng/L		07/26/23 05:35	07/28/23 01:18	1
NMeFOSA	<0.38		1.8	0.38	ng/L		07/26/23 05:35	07/28/23 01:18	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<1.1		4.5	1.1	ng/L		07/26/23 05:35	07/28/23 01:18	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<1.2		4.5	1.2	ng/L		07/26/23 05:35	07/28/23 01:18	1
NMeFOSE	<1.3		3.6	1.3	ng/L		07/26/23 05:35	07/28/23 01:18	1
NEtFOSE	<0.76		1.8	0.76	ng/L		07/26/23 05:35	07/28/23 01:18	1
4:2 FTS	<0.21		1.8	0.21	ng/L		07/26/23 05:35	07/28/23 01:18	1
6:2 FTS	<2.2		4.5	2.2	ng/L		07/26/23 05:35	07/28/23 01:18	1
8:2 FTS	<0.41		1.8	0.41	ng/L		07/26/23 05:35	07/28/23 01:18	1
DONA	<0.36		1.8	0.36	ng/L		07/26/23 05:35	07/28/23 01:18	1
HFPO-DA (GenX)	<1.3		3.6	1.3	ng/L		07/26/23 05:35	07/28/23 01:18	1
F-53B Major	<0.21		1.8	0.21	ng/L		07/26/23 05:35	07/28/23 01:18	1
F-53B Minor	<0.29		1.8	0.29	ng/L		07/26/23 05:35	07/28/23 01:18	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	73		25 - 150	07/26/23 05:35	07/28/23 01:18	1
13C5 PFPeA	93		25 - 150	07/26/23 05:35	07/28/23 01:18	1
13C2 PFHxA	96		25 - 150	07/26/23 05:35	07/28/23 01:18	1
13C4 PFHpA	97		25 - 150	07/26/23 05:35	07/28/23 01:18	1
13C4 PFOA	106		25 - 150	07/26/23 05:35	07/28/23 01:18	1
13C5 PFNA	101		25 - 150	07/26/23 05:35	07/28/23 01:18	1
13C2 PFDA	103		25 - 150	07/26/23 05:35	07/28/23 01:18	1
13C2 PFUnA	106		25 - 150	07/26/23 05:35	07/28/23 01:18	1
13C2 PFDoA	100		25 - 150	07/26/23 05:35	07/28/23 01:18	1
13C2 PFTeDA	98		25 - 150	07/26/23 05:35	07/28/23 01:18	1
13C3 PFBS	99		25 - 150	07/26/23 05:35	07/28/23 01:18	1
18O2 PFHxS	98		25 - 150	07/26/23 05:35	07/28/23 01:18	1
13C4 PFOS	105		25 - 150	07/26/23 05:35	07/28/23 01:18	1
13C8 FOSA	127		10 - 150	07/26/23 05:35	07/28/23 01:18	1
d3-NMeFOSAA	116		25 - 150	07/26/23 05:35	07/28/23 01:18	1
d5-NEtFOSAA	120		25 - 150	07/26/23 05:35	07/28/23 01:18	1
d-N-MeFOSA-M	97		10 - 150	07/26/23 05:35	07/28/23 01:18	1
d-N-EtFOSA-M	93		10 - 150	07/26/23 05:35	07/28/23 01:18	1
d7-N-MeFOSE-M	106		10 - 150	07/26/23 05:35	07/28/23 01:18	1
d9-N-EtFOSE-M	100		10 - 150	07/26/23 05:35	07/28/23 01:18	1
M2-4:2 FTS	92		25 - 150	07/26/23 05:35	07/28/23 01:18	1
M2-6:2 FTS	89		25 - 150	07/26/23 05:35	07/28/23 01:18	1
M2-8:2 FTS	87		25 - 150	07/26/23 05:35	07/28/23 01:18	1
13C3 HFPO-DA	90		25 - 150	07/26/23 05:35	07/28/23 01:18	1

Euofins Chicago

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-209 DUP

Lab Sample ID: 500-237064-38

Date Collected: 07/20/23 11:55

Matrix: Water

Date Received: 07/22/23 09:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			08/03/23 13:58	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/03/23 13:58	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/03/23 13:58	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/03/23 13:58	1
Bromoform	<0.48		1.0	0.48	ug/L			08/03/23 13:58	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/03/23 13:58	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/03/23 13:58	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/03/23 13:58	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/03/23 13:58	1
Chloroform	<0.37		2.0	0.37	ug/L			08/03/23 13:58	1
Chloromethane	<0.32		5.0	0.32	ug/L			08/03/23 13:58	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/03/23 13:58	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/03/23 13:58	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			08/03/23 13:58	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/03/23 13:58	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/03/23 13:58	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/03/23 13:58	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/03/23 13:58	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/03/23 13:58	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/03/23 13:58	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/03/23 13:58	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/03/23 13:58	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/03/23 13:58	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/03/23 13:58	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/03/23 13:58	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/03/23 13:58	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/03/23 13:58	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/03/23 13:58	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/03/23 13:58	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/03/23 13:58	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/03/23 13:58	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/03/23 13:58	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			08/03/23 13:58	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/03/23 13:58	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/03/23 13:58	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/03/23 13:58	1
Naphthalene	<0.34		1.0	0.34	ug/L			08/03/23 13:58	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/03/23 13:58	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			08/03/23 13:58	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			08/03/23 13:58	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			08/03/23 13:58	1
Styrene	<0.39		1.0	0.39	ug/L			08/03/23 13:58	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			08/03/23 13:58	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/03/23 13:58	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/03/23 13:58	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			08/03/23 13:58	1
Toluene	<0.15		0.50	0.15	ug/L			08/03/23 13:58	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			08/03/23 13:58	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/03/23 13:58	1

Eurofins Chicago

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-209 DUP

Lab Sample ID: 500-237064-38

Date Collected: 07/20/23 11:55

Matrix: Water

Date Received: 07/22/23 09:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/03/23 13:58	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/03/23 13:58	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/03/23 13:58	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/03/23 13:58	1
Trichloroethene	<0.16		0.50	0.16	ug/L			08/03/23 13:58	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/03/23 13:58	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/03/23 13:58	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			08/03/23 13:58	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			08/03/23 13:58	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/03/23 13:58	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			08/03/23 13:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		72 - 124		08/03/23 13:58	1
Dibromofluoromethane (Surr)	98		75 - 120		08/03/23 13:58	1
1,2-Dichloroethane-d4 (Surr)	102		75 - 126		08/03/23 13:58	1
Toluene-d8 (Surr)	106		75 - 120		08/03/23 13:58	1

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	7.8		4.6	2.2	ng/L		07/26/23 05:35	07/28/23 01:28	1
Perfluoropentanoic acid (PFPeA)	2.3		1.8	0.45	ng/L		07/26/23 05:35	07/28/23 01:28	1
Perfluorohexanoic acid (PFHxA)	4.0		1.8	0.53	ng/L		07/26/23 05:35	07/28/23 01:28	1
Perfluoroheptanoic acid (PFHpA)	5.6		1.8	0.23	ng/L		07/26/23 05:35	07/28/23 01:28	1
Perfluorooctanoic acid (PFOA)	71		1.8	0.77	ng/L		07/26/23 05:35	07/28/23 01:28	1
Perfluorononanoic acid (PFNA)	0.39	J	1.8	0.25	ng/L		07/26/23 05:35	07/28/23 01:28	1
Perfluorodecanoic acid (PFDA)	0.30	J	1.8	0.28	ng/L		07/26/23 05:35	07/28/23 01:28	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.8	1.0	ng/L		07/26/23 05:35	07/28/23 01:28	1
Perfluorododecanoic acid (PFDoA)	<0.50		1.8	0.50	ng/L		07/26/23 05:35	07/28/23 01:28	1
Perfluorotridecanoic acid (PFTriA)	<1.2		1.8	1.2	ng/L		07/26/23 05:35	07/28/23 01:28	1
Perfluorotetradecanoic acid (PFTeA)	<0.67		1.8	0.67	ng/L		07/26/23 05:35	07/28/23 01:28	1
Perfluorobutanesulfonic acid (PFBS)	2.8		1.8	0.18	ng/L		07/26/23 05:35	07/28/23 01:28	1
Perfluoropentanesulfonic acid (PFPeS)	0.46	J	1.8	0.27	ng/L		07/26/23 05:35	07/28/23 01:28	1
Perfluorohexanesulfonic acid (PFHxS)	7.9		1.8	0.52	ng/L		07/26/23 05:35	07/28/23 01:28	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.17		1.8	0.17	ng/L		07/26/23 05:35	07/28/23 01:28	1
Perfluorooctanesulfonic acid (PFOS)	13		1.8	0.49	ng/L		07/26/23 05:35	07/28/23 01:28	1
Perfluorononanesulfonic acid (PFNS)	<0.34		1.8	0.34	ng/L		07/26/23 05:35	07/28/23 01:28	1
Perfluorodecanesulfonic acid (PFDS)	<0.29		1.8	0.29	ng/L		07/26/23 05:35	07/28/23 01:28	1
Perfluorododecanesulfonic acid (PFDoS)	<0.88		1.8	0.88	ng/L		07/26/23 05:35	07/28/23 01:28	1
Perfluorooctanesulfonamide (FOSA)	<0.89		1.8	0.89	ng/L		07/26/23 05:35	07/28/23 01:28	1
NEtFOSA	<0.79		1.8	0.79	ng/L		07/26/23 05:35	07/28/23 01:28	1
NMeFOSA	<0.39		1.8	0.39	ng/L		07/26/23 05:35	07/28/23 01:28	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<1.1		4.6	1.1	ng/L		07/26/23 05:35	07/28/23 01:28	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<1.2		4.6	1.2	ng/L		07/26/23 05:35	07/28/23 01:28	1

Euofins Chicago

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-209 DUP

Lab Sample ID: 500-237064-38

Date Collected: 07/20/23 11:55

Matrix: Water

Date Received: 07/22/23 09:50

Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
NMeFOSE	<1.3		3.6	1.3	ng/L		07/26/23 05:35	07/28/23 01:28	1
NEtFOSE	<0.77		1.8	0.77	ng/L		07/26/23 05:35	07/28/23 01:28	1
4:2 FTS	<0.22		1.8	0.22	ng/L		07/26/23 05:35	07/28/23 01:28	1
6:2 FTS	<2.3		4.6	2.3	ng/L		07/26/23 05:35	07/28/23 01:28	1
8:2 FTS	<0.42		1.8	0.42	ng/L		07/26/23 05:35	07/28/23 01:28	1
DONA	<0.36		1.8	0.36	ng/L		07/26/23 05:35	07/28/23 01:28	1
HFPO-DA (GenX)	<1.4		3.6	1.4	ng/L		07/26/23 05:35	07/28/23 01:28	1
F-53B Major	<0.22		1.8	0.22	ng/L		07/26/23 05:35	07/28/23 01:28	1
F-53B Minor	<0.29		1.8	0.29	ng/L		07/26/23 05:35	07/28/23 01:28	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	75		25 - 150				07/26/23 05:35	07/28/23 01:28	1
13C5 PFPeA	90		25 - 150				07/26/23 05:35	07/28/23 01:28	1
13C2 PFHxA	95		25 - 150				07/26/23 05:35	07/28/23 01:28	1
13C4 PFHpA	96		25 - 150				07/26/23 05:35	07/28/23 01:28	1
13C4 PFOA	107		25 - 150				07/26/23 05:35	07/28/23 01:28	1
13C5 PFNA	101		25 - 150				07/26/23 05:35	07/28/23 01:28	1
13C2 PFDA	99		25 - 150				07/26/23 05:35	07/28/23 01:28	1
13C2 PFUnA	102		25 - 150				07/26/23 05:35	07/28/23 01:28	1
13C2 PFDoA	94		25 - 150				07/26/23 05:35	07/28/23 01:28	1
13C2 PFTeDA	91		25 - 150				07/26/23 05:35	07/28/23 01:28	1
13C3 PFBS	96		25 - 150				07/26/23 05:35	07/28/23 01:28	1
18O2 PFHxS	96		25 - 150				07/26/23 05:35	07/28/23 01:28	1
13C4 PFOS	99		25 - 150				07/26/23 05:35	07/28/23 01:28	1
13C8 FOSA	129		10 - 150				07/26/23 05:35	07/28/23 01:28	1
d3-NMeFOSAA	117		25 - 150				07/26/23 05:35	07/28/23 01:28	1
d5-NEtFOSAA	117		25 - 150				07/26/23 05:35	07/28/23 01:28	1
d-N-MeFOSA-M	96		10 - 150				07/26/23 05:35	07/28/23 01:28	1
d-N-EtFOSA-M	89		10 - 150				07/26/23 05:35	07/28/23 01:28	1
d7-N-MeFOSE-M	103		10 - 150				07/26/23 05:35	07/28/23 01:28	1
d9-N-EtFOSE-M	96		10 - 150				07/26/23 05:35	07/28/23 01:28	1
M2-4:2 FTS	89		25 - 150				07/26/23 05:35	07/28/23 01:28	1
M2-6:2 FTS	89		25 - 150				07/26/23 05:35	07/28/23 01:28	1
M2-8:2 FTS	85		25 - 150				07/26/23 05:35	07/28/23 01:28	1
13C3 HFPO-DA	92		25 - 150				07/26/23 05:35	07/28/23 01:28	1

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-219

Lab Sample ID: 500-237064-39

Date Collected: 07/20/23 08:50

Matrix: Water

Date Received: 07/22/23 09:50

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			08/03/23 14:23	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/03/23 14:23	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/03/23 14:23	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/03/23 14:23	1
Bromoform	<0.48		1.0	0.48	ug/L			08/03/23 14:23	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/03/23 14:23	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/03/23 14:23	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/03/23 14:23	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/03/23 14:23	1
Chloroform	<0.37		2.0	0.37	ug/L			08/03/23 14:23	1
Chloromethane	<0.32		5.0	0.32	ug/L			08/03/23 14:23	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/03/23 14:23	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/03/23 14:23	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			08/03/23 14:23	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/03/23 14:23	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/03/23 14:23	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/03/23 14:23	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/03/23 14:23	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/03/23 14:23	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/03/23 14:23	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/03/23 14:23	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/03/23 14:23	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/03/23 14:23	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/03/23 14:23	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/03/23 14:23	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/03/23 14:23	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/03/23 14:23	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/03/23 14:23	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/03/23 14:23	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/03/23 14:23	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/03/23 14:23	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/03/23 14:23	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			08/03/23 14:23	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/03/23 14:23	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/03/23 14:23	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/03/23 14:23	1
Naphthalene	<0.34		1.0	0.34	ug/L			08/03/23 14:23	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/03/23 14:23	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			08/03/23 14:23	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			08/03/23 14:23	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			08/03/23 14:23	1
Styrene	<0.39		1.0	0.39	ug/L			08/03/23 14:23	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			08/03/23 14:23	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/03/23 14:23	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/03/23 14:23	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			08/03/23 14:23	1
Toluene	<0.15		0.50	0.15	ug/L			08/03/23 14:23	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			08/03/23 14:23	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/03/23 14:23	1

Eurofins Chicago

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-219
Date Collected: 07/20/23 08:50
Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-39
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/03/23 14:23	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/03/23 14:23	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/03/23 14:23	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/03/23 14:23	1
Trichloroethene	<0.16		0.50	0.16	ug/L			08/03/23 14:23	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/03/23 14:23	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/03/23 14:23	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			08/03/23 14:23	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			08/03/23 14:23	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/03/23 14:23	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			08/03/23 14:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		72 - 124		08/03/23 14:23	1
Dibromofluoromethane (Surr)	95		75 - 120		08/03/23 14:23	1
1,2-Dichloroethane-d4 (Surr)	103		75 - 126		08/03/23 14:23	1
Toluene-d8 (Surr)	110		75 - 120		08/03/23 14:23	1

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-226

Lab Sample ID: 500-237064-40

Date Collected: 07/18/23 14:15

Matrix: Water

Date Received: 07/22/23 09:50

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	14	J	25	12	ng/L		07/26/23 05:35	07/28/23 01:38	1
Perfluoropentanoic acid (PFPeA)	8.2	J	10	2.5	ng/L		07/26/23 05:35	07/28/23 01:38	1
Perfluorohexanoic acid (PFHxA)	13		10	2.9	ng/L		07/26/23 05:35	07/28/23 01:38	1
Perfluoroheptanoic acid (PFHpA)	13		10	1.3	ng/L		07/26/23 05:35	07/28/23 01:38	1
Perfluorooctanoic acid (PFOA)	210		10	4.3	ng/L		07/26/23 05:35	07/28/23 01:38	1
Perfluorononanoic acid (PFNA)	<1.4		10	1.4	ng/L		07/26/23 05:35	07/28/23 01:38	1
Perfluorodecanoic acid (PFDA)	<1.6		10	1.6	ng/L		07/26/23 05:35	07/28/23 01:38	1
Perfluoroundecanoic acid (PFUnA)	<5.5		10	5.5	ng/L		07/26/23 05:35	07/28/23 01:38	1
Perfluorododecanoic acid (PFDoA)	<2.8		10	2.8	ng/L		07/26/23 05:35	07/28/23 01:38	1
Perfluorotridecanoic acid (PFTriA)	<6.5		10	6.5	ng/L		07/26/23 05:35	07/28/23 01:38	1
Perfluorotetradecanoic acid (PFTeA)	<3.7		10	3.7	ng/L		07/26/23 05:35	07/28/23 01:38	1
Perfluorobutanesulfonic acid (PFBS)	2.0	J	10	1.0	ng/L		07/26/23 05:35	07/28/23 01:38	1
Perfluoropentanesulfonic acid (PFPeS)	<1.5		10	1.5	ng/L		07/26/23 05:35	07/28/23 01:38	1
Perfluorohexanesulfonic acid (PFHxS)	<2.9		10	2.9	ng/L		07/26/23 05:35	07/28/23 01:38	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.95		10	0.95	ng/L		07/26/23 05:35	07/28/23 01:38	1
Perfluorooctanesulfonic acid (PFOS)	<2.7		10	2.7	ng/L		07/26/23 05:35	07/28/23 01:38	1
Perfluorononanesulfonic acid (PFNS)	<1.9		10	1.9	ng/L		07/26/23 05:35	07/28/23 01:38	1
Perfluorodecanesulfonic acid (PFDS)	<1.6		10	1.6	ng/L		07/26/23 05:35	07/28/23 01:38	1
Perfluorododecanesulfonic acid (PFDoS)	<4.9		10	4.9	ng/L		07/26/23 05:35	07/28/23 01:38	1
Perfluorooctanesulfonamide (FOSA)	<4.9		10	4.9	ng/L		07/26/23 05:35	07/28/23 01:38	1
NEtFOSA	<4.4		10	4.4	ng/L		07/26/23 05:35	07/28/23 01:38	1
NMeFOSA	<2.2		10	2.2	ng/L		07/26/23 05:35	07/28/23 01:38	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<6.0		25	6.0	ng/L		07/26/23 05:35	07/28/23 01:38	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<6.5		25	6.5	ng/L		07/26/23 05:35	07/28/23 01:38	1
NMeFOSE	<7.0		20	7.0	ng/L		07/26/23 05:35	07/28/23 01:38	1
NEtFOSE	<4.3		10	4.3	ng/L		07/26/23 05:35	07/28/23 01:38	1
4:2 FTS	<1.2		10	1.2	ng/L		07/26/23 05:35	07/28/23 01:38	1
6:2 FTS	<13		25	13	ng/L		07/26/23 05:35	07/28/23 01:38	1
8:2 FTS	<2.3		10	2.3	ng/L		07/26/23 05:35	07/28/23 01:38	1
DONA	<2.0		10	2.0	ng/L		07/26/23 05:35	07/28/23 01:38	1
HFPO-DA (GenX)	<7.5		20	7.5	ng/L		07/26/23 05:35	07/28/23 01:38	1
F-53B Major	<1.2		10	1.2	ng/L		07/26/23 05:35	07/28/23 01:38	1
F-53B Minor	<1.6		10	1.6	ng/L		07/26/23 05:35	07/28/23 01:38	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	97		25 - 150				07/26/23 05:35	07/28/23 01:38	1
13C5 PFPeA	102		25 - 150				07/26/23 05:35	07/28/23 01:38	1
13C2 PFHxA	96		25 - 150				07/26/23 05:35	07/28/23 01:38	1
13C4 PFHpA	102		25 - 150				07/26/23 05:35	07/28/23 01:38	1
13C4 PFOA	105		25 - 150				07/26/23 05:35	07/28/23 01:38	1
13C5 PFNA	102		25 - 150				07/26/23 05:35	07/28/23 01:38	1
13C2 PFDA	104		25 - 150				07/26/23 05:35	07/28/23 01:38	1
13C2 PFUnA	107		25 - 150				07/26/23 05:35	07/28/23 01:38	1
13C2 PFDoA	101		25 - 150				07/26/23 05:35	07/28/23 01:38	1
13C2 PFTeDA	102		25 - 150				07/26/23 05:35	07/28/23 01:38	1
13C3 PFBS	105		25 - 150				07/26/23 05:35	07/28/23 01:38	1

Eurofins Chicago

Client Sample Results

Client: Ramboll US Corporation
Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-226

Lab Sample ID: 500-237064-40

Date Collected: 07/18/23 14:15

Matrix: Water

Date Received: 07/22/23 09:50

Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
18O2 PFHxS	105		25 - 150	07/26/23 05:35	07/28/23 01:38	1
13C4 PFOS	108		25 - 150	07/26/23 05:35	07/28/23 01:38	1
13C8 FOSA	127		10 - 150	07/26/23 05:35	07/28/23 01:38	1
d3-NMeFOSAA	120		25 - 150	07/26/23 05:35	07/28/23 01:38	1
d5-NEtFOSAA	118		25 - 150	07/26/23 05:35	07/28/23 01:38	1
d-N-MeFOSA-M	97		10 - 150	07/26/23 05:35	07/28/23 01:38	1
d-N-EtFOSA-M	92		10 - 150	07/26/23 05:35	07/28/23 01:38	1
d7-N-MeFOSE-M	114		10 - 150	07/26/23 05:35	07/28/23 01:38	1
d9-N-EtFOSE-M	108		10 - 150	07/26/23 05:35	07/28/23 01:38	1
M2-4:2 FTS	84		25 - 150	07/26/23 05:35	07/28/23 01:38	1
M2-6:2 FTS	86		25 - 150	07/26/23 05:35	07/28/23 01:38	1
M2-8:2 FTS	83		25 - 150	07/26/23 05:35	07/28/23 01:38	1
13C3 HFPO-DA	97		25 - 150	07/26/23 05:35	07/28/23 01:38	1

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: PZ-226

Lab Sample ID: 500-237064-41

Date Collected: 07/18/23 14:56

Matrix: Water

Date Received: 07/22/23 09:50

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.2		4.5	2.2	ng/L		07/26/23 05:35	07/28/23 02:29	1
Perfluoropentanoic acid (PFPeA)	0.76	J	1.8	0.44	ng/L		07/26/23 05:35	07/28/23 02:29	1
Perfluorohexanoic acid (PFHxA)	1.2	J	1.8	0.53	ng/L		07/26/23 05:35	07/28/23 02:29	1
Perfluoroheptanoic acid (PFHpA)	0.74	J	1.8	0.23	ng/L		07/26/23 05:35	07/28/23 02:29	1
Perfluorooctanoic acid (PFOA)	2.4		1.8	0.77	ng/L		07/26/23 05:35	07/28/23 02:29	1
Perfluorononanoic acid (PFNA)	0.38	J	1.8	0.24	ng/L		07/26/23 05:35	07/28/23 02:29	1
Perfluorodecanoic acid (PFDA)	<0.28		1.8	0.28	ng/L		07/26/23 05:35	07/28/23 02:29	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.8	1.0	ng/L		07/26/23 05:35	07/28/23 02:29	1
Perfluorododecanoic acid (PFDoA)	<0.50		1.8	0.50	ng/L		07/26/23 05:35	07/28/23 02:29	1
Perfluorotridecanoic acid (PFTriA)	<1.2		1.8	1.2	ng/L		07/26/23 05:35	07/28/23 02:29	1
Perfluorotetradecanoic acid (PFTeA)	<0.66		1.8	0.66	ng/L		07/26/23 05:35	07/28/23 02:29	1
Perfluorobutanesulfonic acid (PFBS)	<0.18		1.8	0.18	ng/L		07/26/23 05:35	07/28/23 02:29	1
Perfluoropentanesulfonic acid (PFPeS)	<0.27		1.8	0.27	ng/L		07/26/23 05:35	07/28/23 02:29	1
Perfluorohexanesulfonic acid (PFHxS)	<0.52		1.8	0.52	ng/L		07/26/23 05:35	07/28/23 02:29	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.17		1.8	0.17	ng/L		07/26/23 05:35	07/28/23 02:29	1
Perfluorooctanesulfonic acid (PFOS)	<0.49		1.8	0.49	ng/L		07/26/23 05:35	07/28/23 02:29	1
Perfluorononanesulfonic acid (PFNS)	<0.34		1.8	0.34	ng/L		07/26/23 05:35	07/28/23 02:29	1
Perfluorodecanesulfonic acid (PFDS)	<0.29		1.8	0.29	ng/L		07/26/23 05:35	07/28/23 02:29	1
Perfluorododecanesulfonic acid (PFDoS)	<0.88		1.8	0.88	ng/L		07/26/23 05:35	07/28/23 02:29	1
Perfluorooctanesulfonamide (FOSA)	<0.89		1.8	0.89	ng/L		07/26/23 05:35	07/28/23 02:29	1
NEtFOSA	<0.79		1.8	0.79	ng/L		07/26/23 05:35	07/28/23 02:29	1
NMeFOSA	<0.39		1.8	0.39	ng/L		07/26/23 05:35	07/28/23 02:29	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<1.1		4.5	1.1	ng/L		07/26/23 05:35	07/28/23 02:29	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<1.2		4.5	1.2	ng/L		07/26/23 05:35	07/28/23 02:29	1
NMeFOSE	<1.3		3.6	1.3	ng/L		07/26/23 05:35	07/28/23 02:29	1
NEtFOSE	<0.77		1.8	0.77	ng/L		07/26/23 05:35	07/28/23 02:29	1
4:2 FTS	<0.22		1.8	0.22	ng/L		07/26/23 05:35	07/28/23 02:29	1
6:2 FTS	<2.3		4.5	2.3	ng/L		07/26/23 05:35	07/28/23 02:29	1
8:2 FTS	<0.42		1.8	0.42	ng/L		07/26/23 05:35	07/28/23 02:29	1
DONA	<0.36		1.8	0.36	ng/L		07/26/23 05:35	07/28/23 02:29	1
HFPO-DA (GenX)	<1.4		3.6	1.4	ng/L		07/26/23 05:35	07/28/23 02:29	1
F-53B Major	<0.22		1.8	0.22	ng/L		07/26/23 05:35	07/28/23 02:29	1
F-53B Minor	<0.29		1.8	0.29	ng/L		07/26/23 05:35	07/28/23 02:29	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	95		25 - 150	07/26/23 05:35	07/28/23 02:29	1
13C5 PFPeA	105		25 - 150	07/26/23 05:35	07/28/23 02:29	1
13C2 PFHxA	103		25 - 150	07/26/23 05:35	07/28/23 02:29	1
13C4 PFHpA	108		25 - 150	07/26/23 05:35	07/28/23 02:29	1
13C4 PFOA	105		25 - 150	07/26/23 05:35	07/28/23 02:29	1
13C5 PFNA	104		25 - 150	07/26/23 05:35	07/28/23 02:29	1
13C2 PFDA	106		25 - 150	07/26/23 05:35	07/28/23 02:29	1
13C2 PFUnA	110		25 - 150	07/26/23 05:35	07/28/23 02:29	1
13C2 PFDoA	108		25 - 150	07/26/23 05:35	07/28/23 02:29	1
13C2 PFTeDA	107		25 - 150	07/26/23 05:35	07/28/23 02:29	1
13C3 PFBS	106		25 - 150	07/26/23 05:35	07/28/23 02:29	1

Eurofins Chicago

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: PZ-226
Date Collected: 07/18/23 14:56
Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-41
Matrix: Water

Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
18O2 PFHxS	103		25 - 150	07/26/23 05:35	07/28/23 02:29	1
13C4 PFOS	112		25 - 150	07/26/23 05:35	07/28/23 02:29	1
13C8 FOSA	133		10 - 150	07/26/23 05:35	07/28/23 02:29	1
d3-NMeFOSAA	122		25 - 150	07/26/23 05:35	07/28/23 02:29	1
d5-NEtFOSAA	128		25 - 150	07/26/23 05:35	07/28/23 02:29	1
d-N-MeFOSA-M	107		10 - 150	07/26/23 05:35	07/28/23 02:29	1
d-N-EtFOSA-M	101		10 - 150	07/26/23 05:35	07/28/23 02:29	1
d7-N-MeFOSE-M	114		10 - 150	07/26/23 05:35	07/28/23 02:29	1
d9-N-EtFOSE-M	105		10 - 150	07/26/23 05:35	07/28/23 02:29	1
M2-4:2 FTS	91		25 - 150	07/26/23 05:35	07/28/23 02:29	1
M2-6:2 FTS	84		25 - 150	07/26/23 05:35	07/28/23 02:29	1
M2-8:2 FTS	85		25 - 150	07/26/23 05:35	07/28/23 02:29	1
13C3 HFPO-DA	102		25 - 150	07/26/23 05:35	07/28/23 02:29	1

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-235

Lab Sample ID: 500-237064-42

Date Collected: 07/19/23 13:37

Matrix: Water

Date Received: 07/22/23 09:50

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	100		4.4	2.1	ng/L		07/26/23 05:35	07/28/23 02:40	1
Perfluoropentanoic acid (PFPeA)	51		1.8	0.43	ng/L		07/26/23 05:35	07/28/23 02:40	1
Perfluorohexanoic acid (PFHxA)	25		1.8	0.51	ng/L		07/26/23 05:35	07/28/23 02:40	1
Perfluoroheptanoic acid (PFHpA)	7.6		1.8	0.22	ng/L		07/26/23 05:35	07/28/23 02:40	1
Perfluorooctanoic acid (PFOA)	74		1.8	0.74	ng/L		07/26/23 05:35	07/28/23 02:40	1
Perfluorononanoic acid (PFNA)	<0.24		1.8	0.24	ng/L		07/26/23 05:35	07/28/23 02:40	1
Perfluorodecanoic acid (PFDA)	<0.27		1.8	0.27	ng/L		07/26/23 05:35	07/28/23 02:40	1
Perfluoroundecanoic acid (PFUnA)	<0.96		1.8	0.96	ng/L		07/26/23 05:35	07/28/23 02:40	1
Perfluorododecanoic acid (PFDoA)	<0.48		1.8	0.48	ng/L		07/26/23 05:35	07/28/23 02:40	1
Perfluorotridecanoic acid (PFTriA)	<1.1		1.8	1.1	ng/L		07/26/23 05:35	07/28/23 02:40	1
Perfluorotetradecanoic acid (PFTeA)	<0.64		1.8	0.64	ng/L		07/26/23 05:35	07/28/23 02:40	1
Perfluorobutanesulfonic acid (PFBS)	3.7		1.8	0.18	ng/L		07/26/23 05:35	07/28/23 02:40	1
Perfluoropentanesulfonic acid (PFPeS)	<0.26		1.8	0.26	ng/L		07/26/23 05:35	07/28/23 02:40	1
Perfluorohexanesulfonic acid (PFHxS)	1.7 J		1.8	0.50	ng/L		07/26/23 05:35	07/28/23 02:40	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.17		1.8	0.17	ng/L		07/26/23 05:35	07/28/23 02:40	1
Perfluorooctanesulfonic acid (PFOS)	<0.47		1.8	0.47	ng/L		07/26/23 05:35	07/28/23 02:40	1
Perfluorononanesulfonic acid (PFNS)	<0.32		1.8	0.32	ng/L		07/26/23 05:35	07/28/23 02:40	1
Perfluorodecanesulfonic acid (PFDS)	<0.28		1.8	0.28	ng/L		07/26/23 05:35	07/28/23 02:40	1
Perfluorododecanesulfonic acid (PFDoS)	<0.85		1.8	0.85	ng/L		07/26/23 05:35	07/28/23 02:40	1
Perfluorooctanesulfonamide (FOSA)	<0.86		1.8	0.86	ng/L		07/26/23 05:35	07/28/23 02:40	1
NEtFOSA	<0.76		1.8	0.76	ng/L		07/26/23 05:35	07/28/23 02:40	1
NMeFOSA	<0.38		1.8	0.38	ng/L		07/26/23 05:35	07/28/23 02:40	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<1.1		4.4	1.1	ng/L		07/26/23 05:35	07/28/23 02:40	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<1.1		4.4	1.1	ng/L		07/26/23 05:35	07/28/23 02:40	1
NMeFOSE	<1.2		3.5	1.2	ng/L		07/26/23 05:35	07/28/23 02:40	1
NEtFOSE	<0.74		1.8	0.74	ng/L		07/26/23 05:35	07/28/23 02:40	1
4:2 FTS	<0.21		1.8	0.21	ng/L		07/26/23 05:35	07/28/23 02:40	1
6:2 FTS	<2.2		4.4	2.2	ng/L		07/26/23 05:35	07/28/23 02:40	1
8:2 FTS	<0.40		1.8	0.40	ng/L		07/26/23 05:35	07/28/23 02:40	1
DONA	<0.35		1.8	0.35	ng/L		07/26/23 05:35	07/28/23 02:40	1
HFPO-DA (GenX)	<1.3		3.5	1.3	ng/L		07/26/23 05:35	07/28/23 02:40	1
F-53B Major	<0.21		1.8	0.21	ng/L		07/26/23 05:35	07/28/23 02:40	1
F-53B Minor	<0.28		1.8	0.28	ng/L		07/26/23 05:35	07/28/23 02:40	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	85		25 - 150	07/26/23 05:35	07/28/23 02:40	1
13C5 PFPeA	90		25 - 150	07/26/23 05:35	07/28/23 02:40	1
13C2 PFHxA	82		25 - 150	07/26/23 05:35	07/28/23 02:40	1
13C4 PFHpA	78		25 - 150	07/26/23 05:35	07/28/23 02:40	1
13C4 PFOA	83		25 - 150	07/26/23 05:35	07/28/23 02:40	1
13C5 PFNA	77		25 - 150	07/26/23 05:35	07/28/23 02:40	1
13C2 PFDA	66		25 - 150	07/26/23 05:35	07/28/23 02:40	1
13C2 PFUnA	50		25 - 150	07/26/23 05:35	07/28/23 02:40	1
13C2 PFDoA	40		25 - 150	07/26/23 05:35	07/28/23 02:40	1
13C2 PFTeDA	46		25 - 150	07/26/23 05:35	07/28/23 02:40	1

Euofins Chicago

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-235

Lab Sample ID: 500-237064-42

Date Collected: 07/19/23 13:37

Matrix: Water

Date Received: 07/22/23 09:50

Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C3 PFBS	84		25 - 150	07/26/23 05:35	07/28/23 02:40	1
18O2 PFHxS	81		25 - 150	07/26/23 05:35	07/28/23 02:40	1
13C4 PFOS	71		25 - 150	07/26/23 05:35	07/28/23 02:40	1
13C8 FOSA	88		10 - 150	07/26/23 05:35	07/28/23 02:40	1
d3-NMeFOSAA	58		25 - 150	07/26/23 05:35	07/28/23 02:40	1
d5-NEtFOSAA	50		25 - 150	07/26/23 05:35	07/28/23 02:40	1
d-N-MeFOSA-M	41		10 - 150	07/26/23 05:35	07/28/23 02:40	1
d-N-EtFOSA-M	38		10 - 150	07/26/23 05:35	07/28/23 02:40	1
d7-N-MeFOSE-M	45		10 - 150	07/26/23 05:35	07/28/23 02:40	1
d9-N-EtFOSE-M	39		10 - 150	07/26/23 05:35	07/28/23 02:40	1
M2-4:2 FTS	59		25 - 150	07/26/23 05:35	07/28/23 02:40	1
M2-6:2 FTS	56		25 - 150	07/26/23 05:35	07/28/23 02:40	1
M2-8:2 FTS	47		25 - 150	07/26/23 05:35	07/28/23 02:40	1
13C3 HFPO-DA	78		25 - 150	07/26/23 05:35	07/28/23 02:40	1

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-236

Lab Sample ID: 500-237064-43

Date Collected: 07/19/23 12:52

Matrix: Water

Date Received: 07/22/23 09:50

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	9.8		4.6	2.2	ng/L		07/26/23 05:35	07/28/23 02:50	1
Perfluoropentanoic acid (PFPeA)	3.4		1.8	0.45	ng/L		07/26/23 05:35	07/28/23 02:50	1
Perfluorohexanoic acid (PFHxA)	5.2		1.8	0.53	ng/L		07/26/23 05:35	07/28/23 02:50	1
Perfluoroheptanoic acid (PFHpA)	5.7		1.8	0.23	ng/L		07/26/23 05:35	07/28/23 02:50	1
Perfluorooctanoic acid (PFOA)	80		1.8	0.78	ng/L		07/26/23 05:35	07/28/23 02:50	1
Perfluorononanoic acid (PFNA)	<0.25		1.8	0.25	ng/L		07/26/23 05:35	07/28/23 02:50	1
Perfluorodecanoic acid (PFDA)	<0.28		1.8	0.28	ng/L		07/26/23 05:35	07/28/23 02:50	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.8	1.0	ng/L		07/26/23 05:35	07/28/23 02:50	1
Perfluorododecanoic acid (PFDoA)	<0.50		1.8	0.50	ng/L		07/26/23 05:35	07/28/23 02:50	1
Perfluorotridecanoic acid (PFTriA)	<1.2		1.8	1.2	ng/L		07/26/23 05:35	07/28/23 02:50	1
Perfluorotetradecanoic acid (PFTeA)	<0.67		1.8	0.67	ng/L		07/26/23 05:35	07/28/23 02:50	1
Perfluorobutanesulfonic acid (PFBS)	2.2		1.8	0.18	ng/L		07/26/23 05:35	07/28/23 02:50	1
Perfluoropentanesulfonic acid (PFPeS)	<0.27		1.8	0.27	ng/L		07/26/23 05:35	07/28/23 02:50	1
Perfluorohexanesulfonic acid (PFHxS)	1.2 J		1.8	0.52	ng/L		07/26/23 05:35	07/28/23 02:50	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.17		1.8	0.17	ng/L		07/26/23 05:35	07/28/23 02:50	1
Perfluorooctanesulfonic acid (PFOS)	1.6 J I		1.8	0.49	ng/L		07/26/23 05:35	07/28/23 02:50	1
Perfluorononanesulfonic acid (PFNS)	<0.34		1.8	0.34	ng/L		07/26/23 05:35	07/28/23 02:50	1
Perfluorodecanesulfonic acid (PFDS)	<0.29		1.8	0.29	ng/L		07/26/23 05:35	07/28/23 02:50	1
Perfluorododecanesulfonic acid (PFDoS)	<0.89		1.8	0.89	ng/L		07/26/23 05:35	07/28/23 02:50	1
Perfluorooctanesulfonamide (FOSA)	<0.89		1.8	0.89	ng/L		07/26/23 05:35	07/28/23 02:50	1
NEtFOSA	<0.79		1.8	0.79	ng/L		07/26/23 05:35	07/28/23 02:50	1
NMeFOSA	<0.39		1.8	0.39	ng/L		07/26/23 05:35	07/28/23 02:50	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<1.1		4.6	1.1	ng/L		07/26/23 05:35	07/28/23 02:50	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<1.2		4.6	1.2	ng/L		07/26/23 05:35	07/28/23 02:50	1
NMeFOSE	<1.3		3.6	1.3	ng/L		07/26/23 05:35	07/28/23 02:50	1
NEtFOSE	<0.78		1.8	0.78	ng/L		07/26/23 05:35	07/28/23 02:50	1
4:2 FTS	<0.22		1.8	0.22	ng/L		07/26/23 05:35	07/28/23 02:50	1
6:2 FTS	<2.3		4.6	2.3	ng/L		07/26/23 05:35	07/28/23 02:50	1
8:2 FTS	<0.42		1.8	0.42	ng/L		07/26/23 05:35	07/28/23 02:50	1
DONA	<0.36		1.8	0.36	ng/L		07/26/23 05:35	07/28/23 02:50	1
HFPO-DA (GenX)	<1.4		3.6	1.4	ng/L		07/26/23 05:35	07/28/23 02:50	1
F-53B Major	<0.22		1.8	0.22	ng/L		07/26/23 05:35	07/28/23 02:50	1
F-53B Minor	<0.29		1.8	0.29	ng/L		07/26/23 05:35	07/28/23 02:50	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	75		25 - 150	07/26/23 05:35	07/28/23 02:50	1
13C5 PFPeA	92		25 - 150	07/26/23 05:35	07/28/23 02:50	1
13C2 PFHxA	92		25 - 150	07/26/23 05:35	07/28/23 02:50	1
13C4 PFHpA	99		25 - 150	07/26/23 05:35	07/28/23 02:50	1
13C4 PFOA	100		25 - 150	07/26/23 05:35	07/28/23 02:50	1
13C5 PFNA	96		25 - 150	07/26/23 05:35	07/28/23 02:50	1
13C2 PFDA	87		25 - 150	07/26/23 05:35	07/28/23 02:50	1
13C2 PFUnA	71		25 - 150	07/26/23 05:35	07/28/23 02:50	1
13C2 PFDoA	37		25 - 150	07/26/23 05:35	07/28/23 02:50	1

Eurofins Chicago

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-236

Lab Sample ID: 500-237064-43

Date Collected: 07/19/23 12:52

Matrix: Water

Date Received: 07/22/23 09:50

Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C2 PFTeDA	21	*5-	25 - 150	07/26/23 05:35	07/28/23 02:50	1
13C3 PFBS	96		25 - 150	07/26/23 05:35	07/28/23 02:50	1
18O2 PFHxS	93		25 - 150	07/26/23 05:35	07/28/23 02:50	1
13C4 PFOS	94		25 - 150	07/26/23 05:35	07/28/23 02:50	1
13C8 FOSA	104		10 - 150	07/26/23 05:35	07/28/23 02:50	1
d3-NMeFOSAA	74		25 - 150	07/26/23 05:35	07/28/23 02:50	1
d5-NEtFOSAA	56		25 - 150	07/26/23 05:35	07/28/23 02:50	1
d-N-MeFOSA-M	34		10 - 150	07/26/23 05:35	07/28/23 02:50	1
d-N-EtFOSA-M	24		10 - 150	07/26/23 05:35	07/28/23 02:50	1
d7-N-MeFOSE-M	28		10 - 150	07/26/23 05:35	07/28/23 02:50	1
d9-N-EtFOSE-M	19		10 - 150	07/26/23 05:35	07/28/23 02:50	1
M2-4:2 FTS	87		25 - 150	07/26/23 05:35	07/28/23 02:50	1
M2-6:2 FTS	82		25 - 150	07/26/23 05:35	07/28/23 02:50	1
M2-8:2 FTS	67		25 - 150	07/26/23 05:35	07/28/23 02:50	1
13C3 HFPO-DA	91		25 - 150	07/26/23 05:35	07/28/23 02:50	1

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: EB-02
Date Collected: 07/18/23 15:20
Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-44
Matrix: Water

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.4		4.9	2.4	ng/L		07/26/23 05:35	07/28/23 03:00	1
Perfluoropentanoic acid (PFPeA)	<0.48		2.0	0.48	ng/L		07/26/23 05:35	07/28/23 03:00	1
Perfluorohexanoic acid (PFHxA)	<0.57		2.0	0.57	ng/L		07/26/23 05:35	07/28/23 03:00	1
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		07/26/23 05:35	07/28/23 03:00	1
Perfluorooctanoic acid (PFOA)	<0.83		2.0	0.83	ng/L		07/26/23 05:35	07/28/23 03:00	1
Perfluorononanoic acid (PFNA)	<0.26		2.0	0.26	ng/L		07/26/23 05:35	07/28/23 03:00	1
Perfluorodecanoic acid (PFDA)	<0.30		2.0	0.30	ng/L		07/26/23 05:35	07/28/23 03:00	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		07/26/23 05:35	07/28/23 03:00	1
Perfluorododecanoic acid (PFDoA)	<0.54		2.0	0.54	ng/L		07/26/23 05:35	07/28/23 03:00	1
Perfluorotridecanoic acid (PFTriA)	<1.3		2.0	1.3	ng/L		07/26/23 05:35	07/28/23 03:00	1
Perfluorotetradecanoic acid (PFTeA)	<0.72		2.0	0.72	ng/L		07/26/23 05:35	07/28/23 03:00	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		07/26/23 05:35	07/28/23 03:00	1
Perfluoropentanesulfonic acid (PFPeS)	<0.29		2.0	0.29	ng/L		07/26/23 05:35	07/28/23 03:00	1
Perfluorohexanesulfonic acid (PFHxS)	<0.56		2.0	0.56	ng/L		07/26/23 05:35	07/28/23 03:00	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		07/26/23 05:35	07/28/23 03:00	1
Perfluorooctanesulfonic acid (PFOS)	<0.53		2.0	0.53	ng/L		07/26/23 05:35	07/28/23 03:00	1
Perfluorononanesulfonic acid (PFNS)	<0.36		2.0	0.36	ng/L		07/26/23 05:35	07/28/23 03:00	1
Perfluorodecanesulfonic acid (PFDS)	<0.31		2.0	0.31	ng/L		07/26/23 05:35	07/28/23 03:00	1
Perfluorododecanesulfonic acid (PFDoS)	<0.95		2.0	0.95	ng/L		07/26/23 05:35	07/28/23 03:00	1
Perfluorooctanesulfonamide (FOSA)	<0.96		2.0	0.96	ng/L		07/26/23 05:35	07/28/23 03:00	1
NEtFOSA	<0.85		2.0	0.85	ng/L		07/26/23 05:35	07/28/23 03:00	1
NMeFOSA	<0.42		2.0	0.42	ng/L		07/26/23 05:35	07/28/23 03:00	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<1.2		4.9	1.2	ng/L		07/26/23 05:35	07/28/23 03:00	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<1.3		4.9	1.3	ng/L		07/26/23 05:35	07/28/23 03:00	1
NMeFOSE	<1.4		3.9	1.4	ng/L		07/26/23 05:35	07/28/23 03:00	1
NEtFOSE	<0.83		2.0	0.83	ng/L		07/26/23 05:35	07/28/23 03:00	1
4:2 FTS	<0.24		2.0	0.24	ng/L		07/26/23 05:35	07/28/23 03:00	1
6:2 FTS	<2.5		4.9	2.5	ng/L		07/26/23 05:35	07/28/23 03:00	1
8:2 FTS	<0.45		2.0	0.45	ng/L		07/26/23 05:35	07/28/23 03:00	1
DONA	<0.39		2.0	0.39	ng/L		07/26/23 05:35	07/28/23 03:00	1
HFPO-DA (GenX)	<1.5		3.9	1.5	ng/L		07/26/23 05:35	07/28/23 03:00	1
F-53B Major	<0.24		2.0	0.24	ng/L		07/26/23 05:35	07/28/23 03:00	1
F-53B Minor	<0.31		2.0	0.31	ng/L		07/26/23 05:35	07/28/23 03:00	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	100		25 - 150	07/26/23 05:35	07/28/23 03:00	1
13C5 PFPeA	101		25 - 150	07/26/23 05:35	07/28/23 03:00	1
13C2 PFHxA	100		25 - 150	07/26/23 05:35	07/28/23 03:00	1
13C4 PFHpA	104		25 - 150	07/26/23 05:35	07/28/23 03:00	1
13C4 PFOA	105		25 - 150	07/26/23 05:35	07/28/23 03:00	1
13C5 PFNA	106		25 - 150	07/26/23 05:35	07/28/23 03:00	1
13C2 PFDA	105		25 - 150	07/26/23 05:35	07/28/23 03:00	1
13C2 PFUnA	112		25 - 150	07/26/23 05:35	07/28/23 03:00	1
13C2 PFDoA	104		25 - 150	07/26/23 05:35	07/28/23 03:00	1
13C2 PFTeDA	93		25 - 150	07/26/23 05:35	07/28/23 03:00	1
13C3 PFBS	103		25 - 150	07/26/23 05:35	07/28/23 03:00	1

Eurofins Chicago

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: EB-02
Date Collected: 07/18/23 15:20
Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-44
Matrix: Water

Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
18O2 PFHxS	104		25 - 150	07/26/23 05:35	07/28/23 03:00	1
13C4 PFOS	106		25 - 150	07/26/23 05:35	07/28/23 03:00	1
13C8 FOSA	119		10 - 150	07/26/23 05:35	07/28/23 03:00	1
d3-NMeFOSAA	119		25 - 150	07/26/23 05:35	07/28/23 03:00	1
d5-NEtFOSAA	122		25 - 150	07/26/23 05:35	07/28/23 03:00	1
d-N-MeFOSA-M	95		10 - 150	07/26/23 05:35	07/28/23 03:00	1
d-N-EtFOSA-M	93		10 - 150	07/26/23 05:35	07/28/23 03:00	1
d7-N-MeFOSE-M	112		10 - 150	07/26/23 05:35	07/28/23 03:00	1
d9-N-EtFOSE-M	105		10 - 150	07/26/23 05:35	07/28/23 03:00	1
M2-4:2 FTS	85		25 - 150	07/26/23 05:35	07/28/23 03:00	1
M2-6:2 FTS	83		25 - 150	07/26/23 05:35	07/28/23 03:00	1
M2-8:2 FTS	85		25 - 150	07/26/23 05:35	07/28/23 03:00	1
13C3 HFPO-DA	99		25 - 150	07/26/23 05:35	07/28/23 03:00	1

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: EB-04
Date Collected: 07/19/23 15:27
Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-45
Matrix: Water

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.2		4.6	2.2	ng/L		07/26/23 20:59	07/28/23 04:50	1
Perfluoropentanoic acid (PFPeA)	<0.45		1.8	0.45	ng/L		07/26/23 20:59	07/28/23 04:50	1
Perfluorohexanoic acid (PFHxA)	<0.54		1.8	0.54	ng/L		07/26/23 20:59	07/28/23 04:50	1
Perfluoroheptanoic acid (PFHpA)	<0.23		1.8	0.23	ng/L		07/26/23 20:59	07/28/23 04:50	1
Perfluorooctanoic acid (PFOA)	<0.78		1.8	0.78	ng/L		07/26/23 20:59	07/28/23 04:50	1
Perfluorononanoic acid (PFNA)	<0.25		1.8	0.25	ng/L		07/26/23 20:59	07/28/23 04:50	1
Perfluorodecanoic acid (PFDA)	<0.29		1.8	0.29	ng/L		07/26/23 20:59	07/28/23 04:50	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.8	1.0	ng/L		07/26/23 20:59	07/28/23 04:50	1
Perfluorododecanoic acid (PFDoA)	<0.51		1.8	0.51	ng/L		07/26/23 20:59	07/28/23 04:50	1
Perfluorotridecanoic acid (PFTriA)	<1.2		1.8	1.2	ng/L		07/26/23 20:59	07/28/23 04:50	1
Perfluorotetradecanoic acid (PFTeA)	<0.67		1.8	0.67	ng/L		07/26/23 20:59	07/28/23 04:50	1
Perfluorobutanesulfonic acid (PFBS)	<0.18		1.8	0.18	ng/L		07/26/23 20:59	07/28/23 04:50	1
Perfluoropentanesulfonic acid (PFPeS)	<0.28		1.8	0.28	ng/L		07/26/23 20:59	07/28/23 04:50	1
Perfluorohexanesulfonic acid (PFHxS)	<0.53		1.8	0.53	ng/L		07/26/23 20:59	07/28/23 04:50	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.18		1.8	0.18	ng/L		07/26/23 20:59	07/28/23 04:50	1
Perfluorooctanesulfonic acid (PFOS)	<0.50		1.8	0.50	ng/L		07/26/23 20:59	07/28/23 04:50	1
Perfluorononanesulfonic acid (PFNS)	<0.34		1.8	0.34	ng/L		07/26/23 20:59	07/28/23 04:50	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.8	0.30	ng/L		07/26/23 20:59	07/28/23 04:50	1
Perfluorododecanesulfonic acid (PFDoS)	<0.90		1.8	0.90	ng/L		07/26/23 20:59	07/28/23 04:50	1
Perfluorooctanesulfonamide (FOSA)	<0.90		1.8	0.90	ng/L		07/26/23 20:59	07/28/23 04:50	1
NEtFOSA	<0.80		1.8	0.80	ng/L		07/26/23 20:59	07/28/23 04:50	1
NMeFOSA	<0.40		1.8	0.40	ng/L		07/26/23 20:59	07/28/23 04:50	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<1.1		4.6	1.1	ng/L		07/26/23 20:59	07/28/23 04:50	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<1.2		4.6	1.2	ng/L		07/26/23 20:59	07/28/23 04:50	1
NMeFOSE	<1.3		3.7	1.3	ng/L		07/26/23 20:59	07/28/23 04:50	1
NEtFOSE	<0.78		1.8	0.78	ng/L		07/26/23 20:59	07/28/23 04:50	1
4:2 FTS	<0.22		1.8	0.22	ng/L		07/26/23 20:59	07/28/23 04:50	1
6:2 FTS	<2.3		4.6	2.3	ng/L		07/26/23 20:59	07/28/23 04:50	1
8:2 FTS	<0.42		1.8	0.42	ng/L		07/26/23 20:59	07/28/23 04:50	1
DONA	<0.37		1.8	0.37	ng/L		07/26/23 20:59	07/28/23 04:50	1
HFPO-DA (GenX)	<1.4		3.7	1.4	ng/L		07/26/23 20:59	07/28/23 04:50	1
F-53B Major	<0.22		1.8	0.22	ng/L		07/26/23 20:59	07/28/23 04:50	1
F-53B Minor	<0.30		1.8	0.30	ng/L		07/26/23 20:59	07/28/23 04:50	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	116		25 - 150	07/26/23 20:59	07/28/23 04:50	1
13C5 PFPeA	122		25 - 150	07/26/23 20:59	07/28/23 04:50	1
13C2 PFHxA	116		25 - 150	07/26/23 20:59	07/28/23 04:50	1
13C4 PFHpA	117		25 - 150	07/26/23 20:59	07/28/23 04:50	1
13C4 PFOA	117		25 - 150	07/26/23 20:59	07/28/23 04:50	1
13C5 PFNA	122		25 - 150	07/26/23 20:59	07/28/23 04:50	1
13C2 PFDA	120		25 - 150	07/26/23 20:59	07/28/23 04:50	1
13C2 PFUnA	112		25 - 150	07/26/23 20:59	07/28/23 04:50	1
13C2 PFDoA	114		25 - 150	07/26/23 20:59	07/28/23 04:50	1
13C2 PFTeDA	100		25 - 150	07/26/23 20:59	07/28/23 04:50	1
13C3 PFBS	115		25 - 150	07/26/23 20:59	07/28/23 04:50	1

Eurofins Chicago

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: EB-04
Date Collected: 07/19/23 15:27
Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-45
Matrix: Water

Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
18O2 PFHxS	109		25 - 150	07/26/23 20:59	07/28/23 04:50	1
13C4 PFOS	113		25 - 150	07/26/23 20:59	07/28/23 04:50	1
13C8 FOSA	116		10 - 150	07/26/23 20:59	07/28/23 04:50	1
d3-NMeFOSAA	123		25 - 150	07/26/23 20:59	07/28/23 04:50	1
d5-NEtFOSAA	124		25 - 150	07/26/23 20:59	07/28/23 04:50	1
d-N-MeFOSA-M	97		10 - 150	07/26/23 20:59	07/28/23 04:50	1
d-N-EtFOSA-M	97		10 - 150	07/26/23 20:59	07/28/23 04:50	1
d7-N-MeFOSE-M	111		10 - 150	07/26/23 20:59	07/28/23 04:50	1
d9-N-EtFOSE-M	109		10 - 150	07/26/23 20:59	07/28/23 04:50	1
M2-4:2 FTS	109		25 - 150	07/26/23 20:59	07/28/23 04:50	1
M2-6:2 FTS	119		25 - 150	07/26/23 20:59	07/28/23 04:50	1
M2-8:2 FTS	119		25 - 150	07/26/23 20:59	07/28/23 04:50	1
13C3 HFPO-DA	120		25 - 150	07/26/23 20:59	07/28/23 04:50	1



Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: EB-06
Date Collected: 07/20/23 14:46
Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-46
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			08/03/23 10:15	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/03/23 10:15	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/03/23 10:15	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/03/23 10:15	1
Bromoform	<0.48		1.0	0.48	ug/L			08/03/23 10:15	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/03/23 10:15	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/03/23 10:15	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/03/23 10:15	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/03/23 10:15	1
Chloroform	<0.37		2.0	0.37	ug/L			08/03/23 10:15	1
Chloromethane	<0.32		5.0	0.32	ug/L			08/03/23 10:15	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/03/23 10:15	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/03/23 10:15	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			08/03/23 10:15	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/03/23 10:15	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/03/23 10:15	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/03/23 10:15	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/03/23 10:15	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/03/23 10:15	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/03/23 10:15	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/03/23 10:15	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/03/23 10:15	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/03/23 10:15	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/03/23 10:15	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/03/23 10:15	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/03/23 10:15	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/03/23 10:15	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/03/23 10:15	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/03/23 10:15	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/03/23 10:15	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/03/23 10:15	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/03/23 10:15	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			08/03/23 10:15	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/03/23 10:15	1
Methylene Chloride	1.8	J B	5.0	1.6	ug/L			08/03/23 10:15	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/03/23 10:15	1
Naphthalene	<0.34		1.0	0.34	ug/L			08/03/23 10:15	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/03/23 10:15	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			08/03/23 10:15	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			08/03/23 10:15	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			08/03/23 10:15	1
Styrene	<0.39		1.0	0.39	ug/L			08/03/23 10:15	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			08/03/23 10:15	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/03/23 10:15	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/03/23 10:15	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			08/03/23 10:15	1
Toluene	<0.15		0.50	0.15	ug/L			08/03/23 10:15	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			08/03/23 10:15	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/03/23 10:15	1

Eurofins Chicago

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: EB-06
Date Collected: 07/20/23 14:46
Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-46
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/03/23 10:15	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/03/23 10:15	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/03/23 10:15	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/03/23 10:15	1
Trichloroethene	<0.16		0.50	0.16	ug/L			08/03/23 10:15	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/03/23 10:15	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/03/23 10:15	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			08/03/23 10:15	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			08/03/23 10:15	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/03/23 10:15	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			08/03/23 10:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		72 - 124		08/03/23 10:15	1
Dibromofluoromethane (Surr)	94		75 - 120		08/03/23 10:15	1
1,2-Dichloroethane-d4 (Surr)	97		75 - 126		08/03/23 10:15	1
Toluene-d8 (Surr)	108		75 - 120		08/03/23 10:15	1

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.2		4.6	2.2	ng/L		07/26/23 20:59	07/28/23 05:01	1
Perfluoropentanoic acid (PFPeA)	<0.45		1.8	0.45	ng/L		07/26/23 20:59	07/28/23 05:01	1
Perfluorohexanoic acid (PFHxA)	<0.54		1.8	0.54	ng/L		07/26/23 20:59	07/28/23 05:01	1
Perfluoroheptanoic acid (PFHpA)	<0.23		1.8	0.23	ng/L		07/26/23 20:59	07/28/23 05:01	1
Perfluorooctanoic acid (PFOA)	<0.78		1.8	0.78	ng/L		07/26/23 20:59	07/28/23 05:01	1
Perfluorononanoic acid (PFNA)	<0.25		1.8	0.25	ng/L		07/26/23 20:59	07/28/23 05:01	1
Perfluorodecanoic acid (PFDA)	<0.29		1.8	0.29	ng/L		07/26/23 20:59	07/28/23 05:01	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.8	1.0	ng/L		07/26/23 20:59	07/28/23 05:01	1
Perfluorododecanoic acid (PFDoA)	<0.51		1.8	0.51	ng/L		07/26/23 20:59	07/28/23 05:01	1
Perfluorotridecanoic acid (PFTriA)	<1.2		1.8	1.2	ng/L		07/26/23 20:59	07/28/23 05:01	1
Perfluorotetradecanoic acid (PFTeA)	<0.67		1.8	0.67	ng/L		07/26/23 20:59	07/28/23 05:01	1
Perfluorobutanesulfonic acid (PFBS)	<0.18		1.8	0.18	ng/L		07/26/23 20:59	07/28/23 05:01	1
Perfluoropentanesulfonic acid (PFPeS)	<0.28		1.8	0.28	ng/L		07/26/23 20:59	07/28/23 05:01	1
Perfluorohexanesulfonic acid (PFHxS)	<0.53		1.8	0.53	ng/L		07/26/23 20:59	07/28/23 05:01	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.18		1.8	0.18	ng/L		07/26/23 20:59	07/28/23 05:01	1
Perfluorooctanesulfonic acid (PFOS)	<0.50		1.8	0.50	ng/L		07/26/23 20:59	07/28/23 05:01	1
Perfluorononanesulfonic acid (PFNS)	<0.34		1.8	0.34	ng/L		07/26/23 20:59	07/28/23 05:01	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.8	0.30	ng/L		07/26/23 20:59	07/28/23 05:01	1
Perfluorododecanesulfonic acid (PFDoS)	<0.90		1.8	0.90	ng/L		07/26/23 20:59	07/28/23 05:01	1
Perfluorooctanesulfonamide (FOSA)	<0.90		1.8	0.90	ng/L		07/26/23 20:59	07/28/23 05:01	1
NEtFOSA	<0.80		1.8	0.80	ng/L		07/26/23 20:59	07/28/23 05:01	1
NMeFOSA	<0.40		1.8	0.40	ng/L		07/26/23 20:59	07/28/23 05:01	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<1.1		4.6	1.1	ng/L		07/26/23 20:59	07/28/23 05:01	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<1.2		4.6	1.2	ng/L		07/26/23 20:59	07/28/23 05:01	1
NMeFOSE	<1.3		3.7	1.3	ng/L		07/26/23 20:59	07/28/23 05:01	1
NEtFOSE	<0.78		1.8	0.78	ng/L		07/26/23 20:59	07/28/23 05:01	1

Eurofins Chicago

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: EB-06
Date Collected: 07/20/23 14:46
Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-46
Matrix: Water

Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4:2 FTS	<0.22		1.8	0.22	ng/L		07/26/23 20:59	07/28/23 05:01	1
6:2 FTS	<2.3		4.6	2.3	ng/L		07/26/23 20:59	07/28/23 05:01	1
8:2 FTS	<0.42		1.8	0.42	ng/L		07/26/23 20:59	07/28/23 05:01	1
DONA	<0.37		1.8	0.37	ng/L		07/26/23 20:59	07/28/23 05:01	1
HFPO-DA (GenX)	<1.4		3.7	1.4	ng/L		07/26/23 20:59	07/28/23 05:01	1
F-53B Major	<0.22		1.8	0.22	ng/L		07/26/23 20:59	07/28/23 05:01	1
F-53B Minor	<0.30		1.8	0.30	ng/L		07/26/23 20:59	07/28/23 05:01	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	115		25 - 150				07/26/23 20:59	07/28/23 05:01	1
13C5 PFPeA	118		25 - 150				07/26/23 20:59	07/28/23 05:01	1
13C2 PFHxA	118		25 - 150				07/26/23 20:59	07/28/23 05:01	1
13C4 PFHpA	123		25 - 150				07/26/23 20:59	07/28/23 05:01	1
13C4 PFOA	109		25 - 150				07/26/23 20:59	07/28/23 05:01	1
13C5 PFNA	115		25 - 150				07/26/23 20:59	07/28/23 05:01	1
13C2 PFDA	118		25 - 150				07/26/23 20:59	07/28/23 05:01	1
13C2 PFUnA	113		25 - 150				07/26/23 20:59	07/28/23 05:01	1
13C2 PFDoA	106		25 - 150				07/26/23 20:59	07/28/23 05:01	1
13C2 PFTeDA	93		25 - 150				07/26/23 20:59	07/28/23 05:01	1
13C3 PFBS	115		25 - 150				07/26/23 20:59	07/28/23 05:01	1
18O2 PFHxS	119		25 - 150				07/26/23 20:59	07/28/23 05:01	1
13C4 PFOS	116		25 - 150				07/26/23 20:59	07/28/23 05:01	1
13C8 FOSA	118		10 - 150				07/26/23 20:59	07/28/23 05:01	1
d3-NMeFOSAA	120		25 - 150				07/26/23 20:59	07/28/23 05:01	1
d5-NEtFOSAA	119		25 - 150				07/26/23 20:59	07/28/23 05:01	1
d-N-MeFOSA-M	98		10 - 150				07/26/23 20:59	07/28/23 05:01	1
d-N-EtFOSA-M	99		10 - 150				07/26/23 20:59	07/28/23 05:01	1
d7-N-MeFOSE-M	106		10 - 150				07/26/23 20:59	07/28/23 05:01	1
d9-N-EtFOSE-M	101		10 - 150				07/26/23 20:59	07/28/23 05:01	1
M2-4:2 FTS	126		25 - 150				07/26/23 20:59	07/28/23 05:01	1
M2-6:2 FTS	120		25 - 150				07/26/23 20:59	07/28/23 05:01	1
M2-8:2 FTS	107		25 - 150				07/26/23 20:59	07/28/23 05:01	1
13C3 HFPO-DA	106		25 - 150				07/26/23 20:59	07/28/23 05:01	1

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: FB-02
Date Collected: 07/18/23 15:10
Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-47
Matrix: Water

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.3		4.7	2.3	ng/L		07/26/23 20:59	07/28/23 05:12	1
Perfluoropentanoic acid (PFPeA)	<0.46		1.9	0.46	ng/L		07/26/23 20:59	07/28/23 05:12	1
Perfluorohexanoic acid (PFHxA)	<0.55		1.9	0.55	ng/L		07/26/23 20:59	07/28/23 05:12	1
Perfluoroheptanoic acid (PFHpA)	<0.24		1.9	0.24	ng/L		07/26/23 20:59	07/28/23 05:12	1
Perfluorooctanoic acid (PFOA)	<0.80		1.9	0.80	ng/L		07/26/23 20:59	07/28/23 05:12	1
Perfluorononanoic acid (PFNA)	<0.25		1.9	0.25	ng/L		07/26/23 20:59	07/28/23 05:12	1
Perfluorodecanoic acid (PFDA)	<0.29		1.9	0.29	ng/L		07/26/23 20:59	07/28/23 05:12	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		07/26/23 20:59	07/28/23 05:12	1
Perfluorododecanoic acid (PFDoA)	<0.52		1.9	0.52	ng/L		07/26/23 20:59	07/28/23 05:12	1
Perfluorotridecanoic acid (PFTriA)	<1.2		1.9	1.2	ng/L		07/26/23 20:59	07/28/23 05:12	1
Perfluorotetradecanoic acid (PFTeA)	<0.69		1.9	0.69	ng/L		07/26/23 20:59	07/28/23 05:12	1
Perfluorobutanesulfonic acid (PFBS)	<0.19		1.9	0.19	ng/L		07/26/23 20:59	07/28/23 05:12	1
Perfluoropentanesulfonic acid (PFPeS)	<0.28		1.9	0.28	ng/L		07/26/23 20:59	07/28/23 05:12	1
Perfluorohexanesulfonic acid (PFHxS)	<0.54		1.9	0.54	ng/L		07/26/23 20:59	07/28/23 05:12	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.18		1.9	0.18	ng/L		07/26/23 20:59	07/28/23 05:12	1
Perfluorooctanesulfonic acid (PFOS)	<0.51		1.9	0.51	ng/L		07/26/23 20:59	07/28/23 05:12	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		07/26/23 20:59	07/28/23 05:12	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		07/26/23 20:59	07/28/23 05:12	1
Perfluorododecanesulfonic acid (PFDoS)	<0.91		1.9	0.91	ng/L		07/26/23 20:59	07/28/23 05:12	1
Perfluorooctanesulfonamide (FOSA)	<0.92		1.9	0.92	ng/L		07/26/23 20:59	07/28/23 05:12	1
NEtFOSA	<0.82		1.9	0.82	ng/L		07/26/23 20:59	07/28/23 05:12	1
NMeFOSA	<0.41		1.9	0.41	ng/L		07/26/23 20:59	07/28/23 05:12	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<1.1		4.7	1.1	ng/L		07/26/23 20:59	07/28/23 05:12	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<1.2		4.7	1.2	ng/L		07/26/23 20:59	07/28/23 05:12	1
NMeFOSE	<1.3		3.8	1.3	ng/L		07/26/23 20:59	07/28/23 05:12	1
NEtFOSE	<0.80		1.9	0.80	ng/L		07/26/23 20:59	07/28/23 05:12	1
4:2 FTS	<0.23		1.9	0.23	ng/L		07/26/23 20:59	07/28/23 05:12	1
6:2 FTS	<2.4		4.7	2.4	ng/L		07/26/23 20:59	07/28/23 05:12	1
8:2 FTS	<0.43		1.9	0.43	ng/L		07/26/23 20:59	07/28/23 05:12	1
DONA	<0.38		1.9	0.38	ng/L		07/26/23 20:59	07/28/23 05:12	1
HFPO-DA (GenX)	<1.4		3.8	1.4	ng/L		07/26/23 20:59	07/28/23 05:12	1
F-53B Major	<0.23		1.9	0.23	ng/L		07/26/23 20:59	07/28/23 05:12	1
F-53B Minor	<0.30		1.9	0.30	ng/L		07/26/23 20:59	07/28/23 05:12	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	111		25 - 150	07/26/23 20:59	07/28/23 05:12	1
13C5 PFPeA	109		25 - 150	07/26/23 20:59	07/28/23 05:12	1
13C2 PFHxA	110		25 - 150	07/26/23 20:59	07/28/23 05:12	1
13C4 PFHpA	115		25 - 150	07/26/23 20:59	07/28/23 05:12	1
13C4 PFOA	117		25 - 150	07/26/23 20:59	07/28/23 05:12	1
13C5 PFNA	113		25 - 150	07/26/23 20:59	07/28/23 05:12	1
13C2 PFDA	119		25 - 150	07/26/23 20:59	07/28/23 05:12	1
13C2 PFUnA	111		25 - 150	07/26/23 20:59	07/28/23 05:12	1
13C2 PFDoA	111		25 - 150	07/26/23 20:59	07/28/23 05:12	1
13C2 PFTeDA	93		25 - 150	07/26/23 20:59	07/28/23 05:12	1
13C3 PFBS	117		25 - 150	07/26/23 20:59	07/28/23 05:12	1

Euofins Chicago

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: FB-02
Date Collected: 07/18/23 15:10
Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-47
Matrix: Water

Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
18O2 PFHxS	117		25 - 150	07/26/23 20:59	07/28/23 05:12	1
13C4 PFOS	109		25 - 150	07/26/23 20:59	07/28/23 05:12	1
13C8 FOSA	115		10 - 150	07/26/23 20:59	07/28/23 05:12	1
d3-NMeFOSAA	123		25 - 150	07/26/23 20:59	07/28/23 05:12	1
d5-NEtFOSAA	125		25 - 150	07/26/23 20:59	07/28/23 05:12	1
d-N-MeFOSA-M	97		10 - 150	07/26/23 20:59	07/28/23 05:12	1
d-N-EtFOSA-M	94		10 - 150	07/26/23 20:59	07/28/23 05:12	1
d7-N-MeFOSE-M	101		10 - 150	07/26/23 20:59	07/28/23 05:12	1
d9-N-EtFOSE-M	101		10 - 150	07/26/23 20:59	07/28/23 05:12	1
M2-4:2 FTS	121		25 - 150	07/26/23 20:59	07/28/23 05:12	1
M2-6:2 FTS	116		25 - 150	07/26/23 20:59	07/28/23 05:12	1
M2-8:2 FTS	116		25 - 150	07/26/23 20:59	07/28/23 05:12	1
13C3 HFPO-DA	108		25 - 150	07/26/23 20:59	07/28/23 05:12	1



Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: FB-04
Date Collected: 07/19/23 14:55
Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-48
Matrix: Water

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.2		4.6	2.2	ng/L		07/26/23 20:59	07/28/23 05:23	1
Perfluoropentanoic acid (PFPeA)	<0.45		1.8	0.45	ng/L		07/26/23 20:59	07/28/23 05:23	1
Perfluorohexanoic acid (PFHxA)	<0.53		1.8	0.53	ng/L		07/26/23 20:59	07/28/23 05:23	1
Perfluoroheptanoic acid (PFHpA)	<0.23		1.8	0.23	ng/L		07/26/23 20:59	07/28/23 05:23	1
Perfluorooctanoic acid (PFOA)	<0.78		1.8	0.78	ng/L		07/26/23 20:59	07/28/23 05:23	1
Perfluorononanoic acid (PFNA)	<0.25		1.8	0.25	ng/L		07/26/23 20:59	07/28/23 05:23	1
Perfluorodecanoic acid (PFDA)	<0.28		1.8	0.28	ng/L		07/26/23 20:59	07/28/23 05:23	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.8	1.0	ng/L		07/26/23 20:59	07/28/23 05:23	1
Perfluorododecanoic acid (PFDoA)	<0.50		1.8	0.50	ng/L		07/26/23 20:59	07/28/23 05:23	1
Perfluorotridecanoic acid (PFTriA)	<1.2		1.8	1.2	ng/L		07/26/23 20:59	07/28/23 05:23	1
Perfluorotetradecanoic acid (PFTeA)	<0.67		1.8	0.67	ng/L		07/26/23 20:59	07/28/23 05:23	1
Perfluorobutanesulfonic acid (PFBS)	<0.18		1.8	0.18	ng/L		07/26/23 20:59	07/28/23 05:23	1
Perfluoropentanesulfonic acid (PFPeS)	<0.27		1.8	0.27	ng/L		07/26/23 20:59	07/28/23 05:23	1
Perfluorohexanesulfonic acid (PFHxS)	<0.52		1.8	0.52	ng/L		07/26/23 20:59	07/28/23 05:23	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.17		1.8	0.17	ng/L		07/26/23 20:59	07/28/23 05:23	1
Perfluorooctanesulfonic acid (PFOS)	<0.49		1.8	0.49	ng/L		07/26/23 20:59	07/28/23 05:23	1
Perfluorononanesulfonic acid (PFNS)	<0.34		1.8	0.34	ng/L		07/26/23 20:59	07/28/23 05:23	1
Perfluorodecanesulfonic acid (PFDS)	<0.29		1.8	0.29	ng/L		07/26/23 20:59	07/28/23 05:23	1
Perfluorododecanesulfonic acid (PFDoS)	<0.89		1.8	0.89	ng/L		07/26/23 20:59	07/28/23 05:23	1
Perfluorooctanesulfonamide (FOSA)	<0.90		1.8	0.90	ng/L		07/26/23 20:59	07/28/23 05:23	1
NEtFOSA	<0.80		1.8	0.80	ng/L		07/26/23 20:59	07/28/23 05:23	1
NMeFOSA	<0.39		1.8	0.39	ng/L		07/26/23 20:59	07/28/23 05:23	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<1.1		4.6	1.1	ng/L		07/26/23 20:59	07/28/23 05:23	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<1.2		4.6	1.2	ng/L		07/26/23 20:59	07/28/23 05:23	1
NMeFOSE	<1.3		3.7	1.3	ng/L		07/26/23 20:59	07/28/23 05:23	1
NEtFOSE	<0.78		1.8	0.78	ng/L		07/26/23 20:59	07/28/23 05:23	1
4:2 FTS	<0.22		1.8	0.22	ng/L		07/26/23 20:59	07/28/23 05:23	1
6:2 FTS	<2.3		4.6	2.3	ng/L		07/26/23 20:59	07/28/23 05:23	1
8:2 FTS	<0.42		1.8	0.42	ng/L		07/26/23 20:59	07/28/23 05:23	1
DONA	<0.37		1.8	0.37	ng/L		07/26/23 20:59	07/28/23 05:23	1
HFPO-DA (GenX)	<1.4		3.7	1.4	ng/L		07/26/23 20:59	07/28/23 05:23	1
F-53B Major	<0.22		1.8	0.22	ng/L		07/26/23 20:59	07/28/23 05:23	1
F-53B Minor	<0.29		1.8	0.29	ng/L		07/26/23 20:59	07/28/23 05:23	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	109		25 - 150	07/26/23 20:59	07/28/23 05:23	1
13C5 PFPeA	117		25 - 150	07/26/23 20:59	07/28/23 05:23	1
13C2 PFHxA	115		25 - 150	07/26/23 20:59	07/28/23 05:23	1
13C4 PFHpA	121		25 - 150	07/26/23 20:59	07/28/23 05:23	1
13C4 PFOA	112		25 - 150	07/26/23 20:59	07/28/23 05:23	1
13C5 PFNA	116		25 - 150	07/26/23 20:59	07/28/23 05:23	1
13C2 PFDA	120		25 - 150	07/26/23 20:59	07/28/23 05:23	1
13C2 PFUnA	120		25 - 150	07/26/23 20:59	07/28/23 05:23	1
13C2 PFDoA	105		25 - 150	07/26/23 20:59	07/28/23 05:23	1
13C2 PFTeDA	92		25 - 150	07/26/23 20:59	07/28/23 05:23	1
13C3 PFBS	111		25 - 150	07/26/23 20:59	07/28/23 05:23	1

Euofins Chicago

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: FB-04
Date Collected: 07/19/23 14:55
Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-48
Matrix: Water

Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
18O2 PFHxS	108		25 - 150	07/26/23 20:59	07/28/23 05:23	1
13C4 PFOS	108		25 - 150	07/26/23 20:59	07/28/23 05:23	1
13C8 FOSA	113		10 - 150	07/26/23 20:59	07/28/23 05:23	1
d3-NMeFOSAA	122		25 - 150	07/26/23 20:59	07/28/23 05:23	1
d5-NEtFOSAA	128		25 - 150	07/26/23 20:59	07/28/23 05:23	1
d-N-MeFOSA-M	89		10 - 150	07/26/23 20:59	07/28/23 05:23	1
d-N-EtFOSA-M	95		10 - 150	07/26/23 20:59	07/28/23 05:23	1
d7-N-MeFOSE-M	105		10 - 150	07/26/23 20:59	07/28/23 05:23	1
d9-N-EtFOSE-M	99		10 - 150	07/26/23 20:59	07/28/23 05:23	1
M2-4:2 FTS	115		25 - 150	07/26/23 20:59	07/28/23 05:23	1
M2-6:2 FTS	108		25 - 150	07/26/23 20:59	07/28/23 05:23	1
M2-8:2 FTS	109		25 - 150	07/26/23 20:59	07/28/23 05:23	1
13C3 HFPO-DA	112		25 - 150	07/26/23 20:59	07/28/23 05:23	1

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: FB-06
Date Collected: 07/20/23 14:34
Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-49
Matrix: Water

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.3		4.8	2.3	ng/L		07/26/23 20:59	07/28/23 05:34	1
Perfluoropentanoic acid (PFPeA)	<0.47		1.9	0.47	ng/L		07/26/23 20:59	07/28/23 05:34	1
Perfluorohexanoic acid (PFHxA)	<0.55		1.9	0.55	ng/L		07/26/23 20:59	07/28/23 05:34	1
Perfluoroheptanoic acid (PFHpA)	<0.24		1.9	0.24	ng/L		07/26/23 20:59	07/28/23 05:34	1
Perfluorooctanoic acid (PFOA)	<0.81		1.9	0.81	ng/L		07/26/23 20:59	07/28/23 05:34	1
Perfluorononanoic acid (PFNA)	<0.26		1.9	0.26	ng/L		07/26/23 20:59	07/28/23 05:34	1
Perfluorodecanoic acid (PFDA)	<0.30		1.9	0.30	ng/L		07/26/23 20:59	07/28/23 05:34	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		07/26/23 20:59	07/28/23 05:34	1
Perfluorododecanoic acid (PFDoA)	<0.52		1.9	0.52	ng/L		07/26/23 20:59	07/28/23 05:34	1
Perfluorotridecanoic acid (PFTriA)	<1.2		1.9	1.2	ng/L		07/26/23 20:59	07/28/23 05:34	1
Perfluorotetradecanoic acid (PFTeA)	<0.69		1.9	0.69	ng/L		07/26/23 20:59	07/28/23 05:34	1
Perfluorobutanesulfonic acid (PFBS)	<0.19		1.9	0.19	ng/L		07/26/23 20:59	07/28/23 05:34	1
Perfluoropentanesulfonic acid (PFPeS)	<0.29		1.9	0.29	ng/L		07/26/23 20:59	07/28/23 05:34	1
Perfluorohexanesulfonic acid (PFHxS)	<0.54		1.9	0.54	ng/L		07/26/23 20:59	07/28/23 05:34	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.18		1.9	0.18	ng/L		07/26/23 20:59	07/28/23 05:34	1
Perfluorooctanesulfonic acid (PFOS)	<0.51		1.9	0.51	ng/L		07/26/23 20:59	07/28/23 05:34	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		07/26/23 20:59	07/28/23 05:34	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		07/26/23 20:59	07/28/23 05:34	1
Perfluorododecanesulfonic acid (PFDoS)	<0.92		1.9	0.92	ng/L		07/26/23 20:59	07/28/23 05:34	1
Perfluorooctanesulfonamide (FOSA)	<0.93		1.9	0.93	ng/L		07/26/23 20:59	07/28/23 05:34	1
NEtFOSA	<0.83		1.9	0.83	ng/L		07/26/23 20:59	07/28/23 05:34	1
NMeFOSA	<0.41		1.9	0.41	ng/L		07/26/23 20:59	07/28/23 05:34	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<1.1		4.8	1.1	ng/L		07/26/23 20:59	07/28/23 05:34	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<1.2		4.8	1.2	ng/L		07/26/23 20:59	07/28/23 05:34	1
NMeFOSE	<1.3		3.8	1.3	ng/L		07/26/23 20:59	07/28/23 05:34	1
NEtFOSE	<0.81		1.9	0.81	ng/L		07/26/23 20:59	07/28/23 05:34	1
4:2 FTS	<0.23		1.9	0.23	ng/L		07/26/23 20:59	07/28/23 05:34	1
6:2 FTS	<2.4		4.8	2.4	ng/L		07/26/23 20:59	07/28/23 05:34	1
8:2 FTS	<0.44		1.9	0.44	ng/L		07/26/23 20:59	07/28/23 05:34	1
DONA	<0.38		1.9	0.38	ng/L		07/26/23 20:59	07/28/23 05:34	1
HFPO-DA (GenX)	<1.4		3.8	1.4	ng/L		07/26/23 20:59	07/28/23 05:34	1
F-53B Major	<0.23		1.9	0.23	ng/L		07/26/23 20:59	07/28/23 05:34	1
F-53B Minor	<0.30		1.9	0.30	ng/L		07/26/23 20:59	07/28/23 05:34	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	112		25 - 150				07/26/23 20:59	07/28/23 05:34	1
13C5 PFPeA	122		25 - 150				07/26/23 20:59	07/28/23 05:34	1
13C2 PFHxA	117		25 - 150				07/26/23 20:59	07/28/23 05:34	1
13C4 PFHpA	117		25 - 150				07/26/23 20:59	07/28/23 05:34	1
13C4 PFOA	115		25 - 150				07/26/23 20:59	07/28/23 05:34	1
13C5 PFNA	117		25 - 150				07/26/23 20:59	07/28/23 05:34	1
13C2 PFDA	119		25 - 150				07/26/23 20:59	07/28/23 05:34	1
13C2 PFUnA	112		25 - 150				07/26/23 20:59	07/28/23 05:34	1
13C2 PFDoA	99		25 - 150				07/26/23 20:59	07/28/23 05:34	1
13C2 PFTeDA	82		25 - 150				07/26/23 20:59	07/28/23 05:34	1
13C3 PFBS	112		25 - 150				07/26/23 20:59	07/28/23 05:34	1

Eurofins Chicago

Client Sample Results

Client: Ramboll US Corporation
Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: FB-06

Lab Sample ID: 500-237064-49

Date Collected: 07/20/23 14:34

Matrix: Water

Date Received: 07/22/23 09:50

Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
18O2 PFHxS	119		25 - 150	07/26/23 20:59	07/28/23 05:34	1
13C4 PFOS	112		25 - 150	07/26/23 20:59	07/28/23 05:34	1
13C8 FOSA	113		10 - 150	07/26/23 20:59	07/28/23 05:34	1
d3-NMeFOSAA	114		25 - 150	07/26/23 20:59	07/28/23 05:34	1
d5-NEtFOSAA	117		25 - 150	07/26/23 20:59	07/28/23 05:34	1
d-N-MeFOSA-M	81		10 - 150	07/26/23 20:59	07/28/23 05:34	1
d-N-EtFOSA-M	82		10 - 150	07/26/23 20:59	07/28/23 05:34	1
d7-N-MeFOSE-M	97		10 - 150	07/26/23 20:59	07/28/23 05:34	1
d9-N-EtFOSE-M	92		10 - 150	07/26/23 20:59	07/28/23 05:34	1
M2-4:2 FTS	119		25 - 150	07/26/23 20:59	07/28/23 05:34	1
M2-6:2 FTS	114		25 - 150	07/26/23 20:59	07/28/23 05:34	1
M2-8:2 FTS	114		25 - 150	07/26/23 20:59	07/28/23 05:34	1
13C3 HFPO-DA	112		25 - 150	07/26/23 20:59	07/28/23 05:34	1

Definitions/Glossary

Client: Ramboll US Corporation
Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

LCMS

Qualifier	Qualifier Description
*5-	Isotope dilution analyte is outside acceptance limits, low biased.
*5+	Isotope dilution analyte is outside acceptance limits, high biased.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
I	Value is EMPC (estimated maximum possible concentration).
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

QC Association Summary

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

GC/MS VOA

Analysis Batch: 725733

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-237064-6	MW-213	Total/NA	Water	8260B	
500-237064-6 - DL	MW-213	Total/NA	Water	8260B	
500-237064-7	MW-213 DUP	Total/NA	Water	8260B	
500-237064-7 - DL	MW-213 DUP	Total/NA	Water	8260B	
500-237064-8	MW-82	Total/NA	Water	8260B	
500-237064-9	AECOM MW-19	Total/NA	Water	8260B	
500-237064-11	MW-17	Total/NA	Water	8260B	
500-237064-12	MW-37	Total/NA	Water	8260B	
500-237064-13	MW-19	Total/NA	Water	8260B	
500-237064-14	EB-03	Total/NA	Water	8260B	
500-237064-17	MW-3	Total/NA	Water	8260B	
500-237064-18	MW-5	Total/NA	Water	8260B	
500-237064-18 - DL	MW-5	Total/NA	Water	8260B	
500-237064-19	MW-8	Total/NA	Water	8260B	
500-237064-20	MW-31	Total/NA	Water	8260B	
MB 500-725733/30	Method Blank	Total/NA	Water	8260B	
LCS 500-725733/4	Lab Control Sample	Total/NA	Water	8260B	
500-237064-9 MS	AECOM MW-19	Total/NA	Water	8260B	
500-237064-9 MSD	AECOM MW-19	Total/NA	Water	8260B	

Analysis Batch: 725914

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-237064-21	MW-16	Total/NA	Water	8260B	
500-237064-22	MW-15	Total/NA	Water	8260B	
500-237064-22 - DL	MW-15	Total/NA	Water	8260B	
500-237064-24	MW-9	Total/NA	Water	8260B	
500-237064-25	MW-9 DUP	Total/NA	Water	8260B	
500-237064-26	EB-05	Total/NA	Water	8260B	
500-237064-28	TRIP BLANK	Total/NA	Water	8260B	
MB 500-725914/6	Method Blank	Total/NA	Water	8260B	
LCS 500-725914/4	Lab Control Sample	Total/NA	Water	8260B	

Analysis Batch: 726112

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-237064-34	MW-121	Total/NA	Water	8260B	
500-237064-37	MW-209	Total/NA	Water	8260B	
500-237064-38	MW-209 DUP	Total/NA	Water	8260B	
500-237064-39	MW-219	Total/NA	Water	8260B	
500-237064-46	EB-06	Total/NA	Water	8260B	
MB 500-726112/6	Method Blank	Total/NA	Water	8260B	
LCS 500-726112/4	Lab Control Sample	Total/NA	Water	8260B	
500-237064-39 MS	MW-219	Total/NA	Water	8260B	
500-237064-39 MSD	MW-219	Total/NA	Water	8260B	

Analysis Batch: 726299

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-237064-34 - DL	MW-121	Total/NA	Water	8260B	
MB 500-726299/6	Method Blank	Total/NA	Water	8260B	
LCS 500-726299/24	Lab Control Sample	Total/NA	Water	8260B	

QC Association Summary

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

GC/MS VOA

Analysis Batch: 726349

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-237064-37 - RA	MW-209	Total/NA	Water	8260B	
MB 500-726349/6	Method Blank	Total/NA	Water	8260B	
LCS 500-726349/4	Lab Control Sample	Total/NA	Water	8260B	

LCMS

Prep Batch: 693847

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-237064-1	MW-201	Total/NA	Water	3535	
500-237064-2	MW-204	Total/NA	Water	3535	
500-237064-3	EB-01	Total/NA	Water	3535	
500-237064-4	FB-01	Total/NA	Water	3535	
500-237064-5	PZ-206	Total/NA	Water	3535	
500-237064-6	MW-213	Total/NA	Water	3535	
500-237064-7	MW-213 DUP	Total/NA	Water	3535	
500-237064-10	PZ-214	Total/NA	Water	3535	
500-237064-14	EB-03	Total/NA	Water	3535	
500-237064-15	FB-03	Total/NA	Water	3535	
500-237064-16 - DL	MW-48	Total/NA	Water	3535	
500-237064-16	MW-48	Total/NA	Water	3535	
500-237064-23	MW-12	Total/NA	Water	3535	
500-237064-24 - RA	MW-9	Total/NA	Water	3535	
500-237064-24	MW-9	Total/NA	Water	3535	
500-237064-25	MW-9 DUP	Total/NA	Water	3535	
500-237064-25 - RA	MW-9 DUP	Total/NA	Water	3535	
500-237064-26	EB-05	Total/NA	Water	3535	
500-237064-27	FB-05	Total/NA	Water	3535	
500-237064-29	AMEC_MW-14	Total/NA	Water	3535	
500-237064-30	AMEC_MW-15	Total/NA	Water	3535	
500-237064-31	AMEC_MW-16	Total/NA	Water	3535	
500-237064-31 - DL	AMEC_MW-16	Total/NA	Water	3535	
500-237064-32	AMEC_MW-16A	Total/NA	Water	3535	
MB 320-693847/1-A	Method Blank	Total/NA	Water	3535	
LCS 320-693847/2-A	Lab Control Sample	Total/NA	Water	3535	
500-237064-23 MS	MW-12	Total/NA	Water	3535	
500-237064-23 MSD	MW-12	Total/NA	Water	3535	

Prep Batch: 693849

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-237064-33	AMEC_MW-17	Total/NA	Water	3535	
500-237064-35	MW-200	Total/NA	Water	3535	
500-237064-36	PZ-200	Total/NA	Water	3535	
500-237064-37	MW-209	Total/NA	Water	3535	
500-237064-38	MW-209 DUP	Total/NA	Water	3535	
500-237064-40	MW-226	Total/NA	Water	3535	
500-237064-41	PZ-226	Total/NA	Water	3535	
500-237064-42	MW-235	Total/NA	Water	3535	
500-237064-43	MW-236	Total/NA	Water	3535	
500-237064-44	EB-02	Total/NA	Water	3535	
MB 320-693849/1-A	Method Blank	Total/NA	Water	3535	
LCS 320-693849/2-A	Lab Control Sample	Total/NA	Water	3535	

Eurofins Chicago

QC Association Summary

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

LCMS (Continued)

Prep Batch: 693849 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-237064-40 MS	MW-226	Total/NA	Water	3535	
500-237064-40 MSD	MW-226	Total/NA	Water	3535	

Prep Batch: 694112

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-237064-45	EB-04	Total/NA	Water	3535	
500-237064-46	EB-06	Total/NA	Water	3535	
500-237064-47	FB-02	Total/NA	Water	3535	
500-237064-48	FB-04	Total/NA	Water	3535	
500-237064-49	FB-06	Total/NA	Water	3535	
MB 320-694112/1-A	Method Blank	Total/NA	Water	3535	
LCS 320-694112/2-A	Lab Control Sample	Total/NA	Water	3535	
LCSD 320-694112/3-A	Lab Control Sample Dup	Total/NA	Water	3535	

Analysis Batch: 694215

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-237064-1	MW-201	Total/NA	Water	537 (modified)	693847
500-237064-2	MW-204	Total/NA	Water	537 (modified)	693847
500-237064-3	EB-01	Total/NA	Water	537 (modified)	693847
500-237064-4	FB-01	Total/NA	Water	537 (modified)	693847
500-237064-5	PZ-206	Total/NA	Water	537 (modified)	693847
500-237064-6	MW-213	Total/NA	Water	537 (modified)	693847
500-237064-7	MW-213 DUP	Total/NA	Water	537 (modified)	693847
500-237064-10	PZ-214	Total/NA	Water	537 (modified)	693847
500-237064-14	EB-03	Total/NA	Water	537 (modified)	693847
500-237064-15	FB-03	Total/NA	Water	537 (modified)	693847
500-237064-16	MW-48	Total/NA	Water	537 (modified)	693847
500-237064-24	MW-9	Total/NA	Water	537 (modified)	693847
500-237064-25	MW-9 DUP	Total/NA	Water	537 (modified)	693847
500-237064-26	EB-05	Total/NA	Water	537 (modified)	693847
500-237064-27	FB-05	Total/NA	Water	537 (modified)	693847
500-237064-29	AMEC_MW-14	Total/NA	Water	537 (modified)	693847
500-237064-30	AMEC_MW-15	Total/NA	Water	537 (modified)	693847
500-237064-31	AMEC_MW-16	Total/NA	Water	537 (modified)	693847
500-237064-32	AMEC_MW-16A	Total/NA	Water	537 (modified)	693847
MB 320-693847/1-A	Method Blank	Total/NA	Water	537 (modified)	693847
LCS 320-693847/2-A	Lab Control Sample	Total/NA	Water	537 (modified)	693847

Analysis Batch: 694223

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-237064-33	AMEC_MW-17	Total/NA	Water	537 (modified)	693849
500-237064-35	MW-200	Total/NA	Water	537 (modified)	693849
500-237064-36	PZ-200	Total/NA	Water	537 (modified)	693849
500-237064-37	MW-209	Total/NA	Water	537 (modified)	693849
500-237064-38	MW-209 DUP	Total/NA	Water	537 (modified)	693849
500-237064-40	MW-226	Total/NA	Water	537 (modified)	693849
500-237064-41	PZ-226	Total/NA	Water	537 (modified)	693849
500-237064-42	MW-235	Total/NA	Water	537 (modified)	693849
500-237064-43	MW-236	Total/NA	Water	537 (modified)	693849
500-237064-44	EB-02	Total/NA	Water	537 (modified)	693849
MB 320-693849/1-A	Method Blank	Total/NA	Water	537 (modified)	693849

Eurofins Chicago

QC Association Summary

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

LCMS (Continued)

Analysis Batch: 694223 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 320-693849/2-A	Lab Control Sample	Total/NA	Water	537 (modified)	693849
500-237064-40 MS	MW-226	Total/NA	Water	537 (modified)	693849
500-237064-40 MSD	MW-226	Total/NA	Water	537 (modified)	693849

Analysis Batch: 694464

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-237064-45	EB-04	Total/NA	Water	537 (modified)	694112
500-237064-46	EB-06	Total/NA	Water	537 (modified)	694112
500-237064-47	FB-02	Total/NA	Water	537 (modified)	694112
500-237064-48	FB-04	Total/NA	Water	537 (modified)	694112
500-237064-49	FB-06	Total/NA	Water	537 (modified)	694112
MB 320-694112/1-A	Method Blank	Total/NA	Water	537 (modified)	694112
LCS 320-694112/2-A	Lab Control Sample	Total/NA	Water	537 (modified)	694112
LCSD 320-694112/3-A	Lab Control Sample Dup	Total/NA	Water	537 (modified)	694112

Analysis Batch: 694798

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-237064-16 - DL	MW-48	Total/NA	Water	537 (modified)	693847
500-237064-31 - DL	AMEC_MW-16	Total/NA	Water	537 (modified)	693847

Analysis Batch: 695039

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-237064-23	MW-12	Total/NA	Water	537 (modified)	693847
500-237064-23 MS	MW-12	Total/NA	Water	537 (modified)	693847
500-237064-23 MSD	MW-12	Total/NA	Water	537 (modified)	693847

Prep Batch: 695760

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-237064-29 - RE	AMEC_MW-14	Total/NA	Water	3535	
MB 320-695760/1-A	Method Blank	Total/NA	Water	3535	
LCS 320-695760/2-A	Lab Control Sample	Total/NA	Water	3535	

Analysis Batch: 696077

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-237064-29 - RE	AMEC_MW-14	Total/NA	Water	537 (modified)	695760
LCS 320-695760/2-A	Lab Control Sample	Total/NA	Water	537 (modified)	695760

Analysis Batch: 696784

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 320-695760/1-A	Method Blank	Total/NA	Water	537 (modified)	695760

Analysis Batch: 700510

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-237064-24 - RA	MW-9	Total/NA	Water	537 (modified)	693847
500-237064-25 - RA	MW-9 DUP	Total/NA	Water	537 (modified)	693847

Surrogate Summary

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

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

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		BFB (72-124)	DBFM (75-120)	DCA (75-126)	TOL (75-120)
500-237064-6	MW-213	91	111	94	110
500-237064-6 - DL	MW-213	94	112	99	108
500-237064-7	MW-213 DUP	90	109	92	112
500-237064-7 - DL	MW-213 DUP	95	108	96	108
500-237064-8	MW-82	95	111	96	108
500-237064-9	AECOM MW-19	97	107	93	107
500-237064-9 MS	AECOM MW-19	95	109	94	112
500-237064-9 MSD	AECOM MW-19	95	108	91	114
500-237064-11	MW-17	94	112	95	109
500-237064-12	MW-37	94	110	96	108
500-237064-13	MW-19	94	110	97	108
500-237064-14	EB-03	95	112	99	110
500-237064-17	MW-3	93	111	98	108
500-237064-18	MW-5	94	110	96	110
500-237064-18 - DL	MW-5	96	111	95	109
500-237064-19	MW-8	94	112	94	110
500-237064-20	MW-31	96	107	95	110
500-237064-21	MW-16	103	100	101	94
500-237064-22	MW-15	121	99	100	95
500-237064-22 - DL	MW-15	113	103	102	92
500-237064-24	MW-9	114	101	100	95
500-237064-25	MW-9 DUP	114	100	101	95
500-237064-26	EB-05	109	101	100	93
500-237064-28	TRIP BLANK	112	100	101	94
500-237064-34	MW-121	104	96	99	105
500-237064-34 - DL	MW-121	108	96	95	107
500-237064-37	MW-209	119	100	103	105
500-237064-37 - RA	MW-209	108	99	102	93
500-237064-38	MW-209 DUP	112	98	102	106
500-237064-39	MW-219	121	95	103	110
500-237064-39 MS	MW-219	106	101	102	106
500-237064-39 MSD	MW-219	104	96	99	108
500-237064-46	EB-06	115	94	97	108
LCS 500-725733/4	Lab Control Sample	97	104	91	110
LCS 500-725914/4	Lab Control Sample	106	94	91	96
LCS 500-726112/4	Lab Control Sample	96	99	101	109
LCS 500-726299/24	Lab Control Sample	99	102	105	102
LCS 500-726349/4	Lab Control Sample	101	98	97	95
MB 500-725733/30	Method Blank	95	106	91	107
MB 500-725914/6	Method Blank	114	99	98	94
MB 500-726112/6	Method Blank	109	97	100	105
MB 500-726299/6	Method Blank	112	95	102	107
MB 500-726349/6	Method Blank	106	94	99	95

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
 DBFM = Dibromofluoromethane (Surr)
 DCA = 1,2-Dichloroethane-d4 (Surr)
 TOL = Toluene-d8 (Surr)

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

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

Lab Sample ID: MB 500-725733/30
Matrix: Water
Analysis Batch: 725733

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.15		0.50	0.15	ug/L			08/01/23 11:08	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/01/23 11:08	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/01/23 11:08	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/01/23 11:08	1
Bromoform	<0.48		1.0	0.48	ug/L			08/01/23 11:08	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/01/23 11:08	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/01/23 11:08	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/01/23 11:08	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/01/23 11:08	1
Chloroform	<0.37		2.0	0.37	ug/L			08/01/23 11:08	1
Chloromethane	<0.32		5.0	0.32	ug/L			08/01/23 11:08	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/01/23 11:08	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/01/23 11:08	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			08/01/23 11:08	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/01/23 11:08	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/01/23 11:08	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/01/23 11:08	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/01/23 11:08	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/01/23 11:08	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/01/23 11:08	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/01/23 11:08	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/01/23 11:08	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/01/23 11:08	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/01/23 11:08	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/01/23 11:08	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/01/23 11:08	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/01/23 11:08	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/01/23 11:08	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/01/23 11:08	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/01/23 11:08	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/01/23 11:08	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/01/23 11:08	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			08/01/23 11:08	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/01/23 11:08	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/01/23 11:08	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/01/23 11:08	1
Naphthalene	<0.34		1.0	0.34	ug/L			08/01/23 11:08	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/01/23 11:08	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			08/01/23 11:08	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			08/01/23 11:08	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			08/01/23 11:08	1
Styrene	<0.39		1.0	0.39	ug/L			08/01/23 11:08	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			08/01/23 11:08	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/01/23 11:08	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/01/23 11:08	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			08/01/23 11:08	1
Toluene	<0.15		0.50	0.15	ug/L			08/01/23 11:08	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			08/01/23 11:08	1

Eurofins Chicago

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

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

Lab Sample ID: MB 500-725733/30
Matrix: Water
Analysis Batch: 725733

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/01/23 11:08	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/01/23 11:08	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/01/23 11:08	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/01/23 11:08	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/01/23 11:08	1
Trichloroethene	<0.16		0.50	0.16	ug/L			08/01/23 11:08	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/01/23 11:08	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/01/23 11:08	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			08/01/23 11:08	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			08/01/23 11:08	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/01/23 11:08	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			08/01/23 11:08	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	95		72 - 124		08/01/23 11:08	1
Dibromofluoromethane (Surr)	106		75 - 120		08/01/23 11:08	1
1,2-Dichloroethane-d4 (Surr)	91		75 - 126		08/01/23 11:08	1
Toluene-d8 (Surr)	107		75 - 120		08/01/23 11:08	1

Lab Sample ID: LCS 500-725733/4
Matrix: Water
Analysis Batch: 725733

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromobenzene	50.0	43.1		ug/L		86	70 - 122
Bromochloromethane	50.0	43.2		ug/L		86	65 - 122
Bromodichloromethane	50.0	37.2		ug/L		74	69 - 120
Bromoform	50.0	37.0		ug/L		74	56 - 132
Bromomethane	50.0	39.0		ug/L		78	40 - 152
Carbon tetrachloride	50.0	42.8		ug/L		86	59 - 133
Chlorobenzene	50.0	43.0		ug/L		86	70 - 120
Chloroethane	50.0	52.2		ug/L		104	48 - 136
Chloroform	50.0	43.6		ug/L		87	70 - 120
Chloromethane	50.0	41.7		ug/L		83	56 - 152
2-Chlorotoluene	50.0	44.6		ug/L		89	70 - 125
4-Chlorotoluene	50.0	42.2		ug/L		84	68 - 124
cis-1,2-Dichloroethene	50.0	47.2		ug/L		94	70 - 125
cis-1,3-Dichloropropene	50.0	42.8		ug/L		86	64 - 127
Dibromochloromethane	50.0	36.3		ug/L		73	68 - 125
1,2-Dibromo-3-Chloropropane	50.0	42.8		ug/L		86	56 - 123
1,2-Dibromoethane	50.0	39.9		ug/L		80	70 - 125
Dibromomethane	50.0	39.0		ug/L		78	70 - 120
1,2-Dichlorobenzene	50.0	45.7		ug/L		91	70 - 125
1,3-Dichlorobenzene	50.0	44.1		ug/L		88	70 - 125
1,4-Dichlorobenzene	50.0	43.5		ug/L		87	70 - 120
Dichlorodifluoromethane	50.0	29.4		ug/L		59	40 - 159
1,1-Dichloroethane	50.0	48.1		ug/L		96	70 - 125

Eurofins Chicago

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

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

Lab Sample ID: LCS 500-725733/4
Matrix: Water
Analysis Batch: 725733

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dichloroethane	50.0	38.7		ug/L		77	68 - 127
1,1-Dichloroethene	50.0	47.0		ug/L		94	67 - 122
1,2-Dichloropropane	50.0	42.7		ug/L		85	67 - 130
1,3-Dichloropropane	50.0	41.4		ug/L		83	62 - 136
2,2-Dichloropropane	50.0	45.6		ug/L		91	58 - 139
1,1-Dichloropropene	50.0	48.5		ug/L		97	70 - 121
Ethylbenzene	50.0	43.6		ug/L		87	70 - 123
Hexachlorobutadiene	50.0	56.8		ug/L		114	51 - 150
Isopropylbenzene	50.0	44.6		ug/L		89	70 - 126
Methylene Chloride	50.0	48.9		ug/L		98	69 - 125
Methyl tert-butyl ether	50.0	41.7		ug/L		83	55 - 123
Naphthalene	50.0	44.3		ug/L		89	53 - 144
n-Butylbenzene	50.0	44.1		ug/L		88	68 - 125
N-Propylbenzene	50.0	43.4		ug/L		87	69 - 127
p-Isopropyltoluene	50.0	43.8		ug/L		88	70 - 125
sec-Butylbenzene	50.0	44.1		ug/L		88	70 - 123
Styrene	50.0	41.7		ug/L		83	70 - 120
tert-Butylbenzene	50.0	43.2		ug/L		86	70 - 121
1,1,1,2-Tetrachloroethane	50.0	47.6		ug/L		95	70 - 125
1,1,2,2-Tetrachloroethane	50.0	41.9		ug/L		84	62 - 140
Tetrachloroethene	50.0	46.8		ug/L		94	70 - 128
Toluene	50.0	44.4		ug/L		89	70 - 125
trans-1,2-Dichloroethene	50.0	47.4		ug/L		95	70 - 125
trans-1,3-Dichloropropene	50.0	39.4		ug/L		79	62 - 128
1,2,3-Trichlorobenzene	50.0	53.3		ug/L		107	51 - 145
1,2,4-Trichlorobenzene	50.0	53.6		ug/L		107	57 - 137
1,1,1-Trichloroethane	50.0	43.6		ug/L		87	70 - 125
1,1,2-Trichloroethane	50.0	40.1		ug/L		80	71 - 130
Trichloroethene	50.0	42.1		ug/L		84	70 - 125
Trichlorofluoromethane	50.0	40.0		ug/L		80	55 - 128
1,2,3-Trichloropropane	50.0	41.3		ug/L		83	50 - 133
1,2,4-Trimethylbenzene	50.0	45.3		ug/L		91	70 - 123
1,3,5-Trimethylbenzene	50.0	44.9		ug/L		90	70 - 123
Vinyl chloride	50.0	49.6		ug/L		99	64 - 126
Xylenes, Total	100	92.9		ug/L		93	70 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		72 - 124
Dibromofluoromethane (Surr)	104		75 - 120
1,2-Dichloroethane-d4 (Surr)	91		75 - 126
Toluene-d8 (Surr)	110		75 - 120

Lab Sample ID: 500-237064-9 MS
Matrix: Water
Analysis Batch: 725733

Client Sample ID: AECOM MW-19
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.15		50.0	50.0		ug/L		100	70 - 120

Euofins Chicago

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

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

Lab Sample ID: 500-237064-9 MS
Matrix: Water
Analysis Batch: 725733

Client Sample ID: AECOM MW-19
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Bromobenzene	<0.36		50.0	46.3		ug/L		93	70 - 122
Bromochloromethane	<0.43		50.0	49.1		ug/L		98	65 - 122
Bromodichloromethane	<0.37		50.0	40.3		ug/L		81	69 - 120
Bromoform	<0.48		50.0	41.7		ug/L		83	56 - 132
Bromomethane	<0.80		50.0	55.5		ug/L		111	40 - 152
Carbon tetrachloride	<0.38		50.0	49.4		ug/L		99	59 - 133
Chlorobenzene	<0.39		50.0	45.8		ug/L		92	70 - 120
Chloroethane	<0.51		50.0	58.3		ug/L		117	48 - 136
Chloroform	<0.37		50.0	48.9		ug/L		98	70 - 120
Chloromethane	<0.32		50.0	43.3		ug/L		87	56 - 152
2-Chlorotoluene	<0.31		50.0	49.5		ug/L		99	70 - 125
4-Chlorotoluene	<0.35		50.0	44.9		ug/L		90	68 - 124
cis-1,2-Dichloroethene	<0.41		50.0	52.5		ug/L		105	70 - 125
cis-1,3-Dichloropropene	<0.42		50.0	44.2		ug/L		88	64 - 127
Dibromochloromethane	<0.49		50.0	40.9		ug/L		82	68 - 125
1,2-Dibromo-3-Chloropropane	<2.0		50.0	49.7		ug/L		99	56 - 123
1,2-Dibromoethane	<0.39		50.0	42.0		ug/L		84	70 - 125
Dibromomethane	<0.27		50.0	41.3		ug/L		83	70 - 120
1,2-Dichlorobenzene	<0.33		50.0	50.9		ug/L		102	70 - 125
1,3-Dichlorobenzene	<0.40		50.0	47.4		ug/L		95	70 - 125
1,4-Dichlorobenzene	<0.36		50.0	45.9		ug/L		92	70 - 120
Dichlorodifluoromethane	<0.67		50.0	30.1		ug/L		60	40 - 159
1,1-Dichloroethane	<0.41		50.0	53.1		ug/L		106	70 - 125
1,2-Dichloroethane	<0.39		50.0	42.1		ug/L		84	68 - 127
1,1-Dichloroethene	<0.39		50.0	52.4		ug/L		105	67 - 122
1,2-Dichloropropane	<0.43		50.0	46.0		ug/L		92	67 - 130
1,3-Dichloropropane	<0.36		50.0	43.4		ug/L		87	62 - 136
2,2-Dichloropropane	<0.44		50.0	48.8		ug/L		98	58 - 139
1,1-Dichloropropene	<0.30		50.0	51.8		ug/L		104	70 - 121
Ethylbenzene	<0.18		50.0	48.0		ug/L		96	70 - 123
Hexachlorobutadiene	<0.45		50.0	69.5		ug/L		139	51 - 150
Isopropylbenzene	<0.39		50.0	51.1		ug/L		102	70 - 126
Methylene Chloride	<1.6		50.0	53.8		ug/L		108	69 - 125
Methyl tert-butyl ether	<0.39		50.0	40.9		ug/L		82	55 - 123
Naphthalene	0.36	J	50.0	49.7		ug/L		99	53 - 144
n-Butylbenzene	<0.39		50.0	50.8		ug/L		102	68 - 125
N-Propylbenzene	<0.41		50.0	48.6		ug/L		97	69 - 127
p-Isopropyltoluene	<0.36		50.0	50.3		ug/L		101	70 - 125
sec-Butylbenzene	<0.40		50.0	51.6		ug/L		103	70 - 123
Styrene	<0.39		50.0	45.4		ug/L		91	70 - 120
tert-Butylbenzene	<0.40		50.0	50.4		ug/L		101	70 - 121
1,1,1,2-Tetrachloroethane	<0.46		50.0	55.2		ug/L		110	70 - 125
1,1,1,2,2-Tetrachloroethane	<0.40		50.0	46.8		ug/L		94	62 - 140
Tetrachloroethene	<0.37		50.0	51.0		ug/L		102	70 - 128
Toluene	0.16	J	50.0	47.3		ug/L		94	70 - 125
trans-1,2-Dichloroethene	<0.35		50.0	52.8		ug/L		106	70 - 125
trans-1,3-Dichloropropene	<0.36		50.0	38.2		ug/L		76	62 - 128
1,2,3-Trichlorobenzene	<0.46		50.0	60.0		ug/L		120	51 - 145
1,2,4-Trichlorobenzene	<0.34		50.0	58.5		ug/L		117	57 - 137

Eurofins Chicago

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

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

Lab Sample ID: 500-237064-9 MS
Matrix: Water
Analysis Batch: 725733

Client Sample ID: AECOM MW-19
Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec
	Result	Qualifier	Added	Result	Qualifier				
1,1,1-Trichloroethane	<0.38		50.0	50.1		ug/L		100	70 - 125
1,1,2-Trichloroethane	<0.35		50.0	42.6		ug/L		85	71 - 130
Trichloroethene	0.84		50.0	45.1		ug/L		89	70 - 125
Trichlorofluoromethane	<0.43		50.0	44.6		ug/L		89	55 - 128
1,2,3-Trichloropropane	<0.41		50.0	45.2		ug/L		90	50 - 133
1,2,4-Trimethylbenzene	<0.36		50.0	51.3		ug/L		103	70 - 123
1,3,5-Trimethylbenzene	<0.25		50.0	50.9		ug/L		102	70 - 123
Vinyl chloride	<0.20		50.0	51.3		ug/L		103	64 - 126
Xylenes, Total	<0.22		100	103		ug/L		103	70 - 125
		MS	MS						
Surrogate	%Recovery	Qualifier	Limits						
4-Bromofluorobenzene (Surr)	95		72 - 124						
Dibromofluoromethane (Surr)	109		75 - 120						
1,2-Dichloroethane-d4 (Surr)	94		75 - 126						
Toluene-d8 (Surr)	112		75 - 120						

Lab Sample ID: 500-237064-9 MSD
Matrix: Water
Analysis Batch: 725733

Client Sample ID: AECOM MW-19
Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier						
Benzene	<0.15		50.0	53.1		ug/L		106	70 - 120	6	20
Bromobenzene	<0.36		50.0	49.6		ug/L		99	70 - 122	7	20
Bromochloromethane	<0.43		50.0	51.1		ug/L		102	65 - 122	4	20
Bromodichloromethane	<0.37		50.0	42.0		ug/L		84	69 - 120	4	20
Bromoform	<0.48		50.0	44.0		ug/L		88	56 - 132	5	20
Bromomethane	<0.80		50.0	59.3		ug/L		119	40 - 152	7	20
Carbon tetrachloride	<0.38		50.0	54.4		ug/L		109	59 - 133	10	20
Chlorobenzene	<0.39		50.0	48.5		ug/L		97	70 - 120	6	20
Chloroethane	<0.51		50.0	62.2		ug/L		124	48 - 136	7	20
Chloroform	<0.37		50.0	51.8		ug/L		104	70 - 120	6	20
Chloromethane	<0.32		50.0	45.6		ug/L		91	56 - 152	5	20
2-Chlorotoluene	<0.31		50.0	53.3		ug/L		107	70 - 125	7	20
4-Chlorotoluene	<0.35		50.0	48.0		ug/L		96	68 - 124	7	20
cis-1,2-Dichloroethene	<0.41		50.0	56.3		ug/L		113	70 - 125	7	20
cis-1,3-Dichloropropene	<0.42		50.0	44.9		ug/L		90	64 - 127	2	20
Dibromochloromethane	<0.49		50.0	42.2		ug/L		84	68 - 125	3	20
1,2-Dibromo-3-Chloropropane	<2.0		50.0	53.0		ug/L		106	56 - 123	6	20
1,2-Dibromoethane	<0.39		50.0	42.5		ug/L		85	70 - 125	1	20
Dibromomethane	<0.27		50.0	42.4		ug/L		85	70 - 120	2	20
1,2-Dichlorobenzene	<0.33		50.0	54.2		ug/L		108	70 - 125	6	20
1,3-Dichlorobenzene	<0.40		50.0	50.7		ug/L		101	70 - 125	7	20
1,4-Dichlorobenzene	<0.36		50.0	48.6		ug/L		97	70 - 120	6	20
Dichlorodifluoromethane	<0.67		50.0	32.0		ug/L		64	40 - 159	6	20
1,1-Dichloroethane	<0.41		50.0	56.9		ug/L		114	70 - 125	7	20
1,2-Dichloroethane	<0.39		50.0	42.6		ug/L		85	68 - 127	1	20
1,1-Dichloroethene	<0.39		50.0	57.0		ug/L		114	67 - 122	8	20
1,2-Dichloropropane	<0.43		50.0	48.0		ug/L		96	67 - 130	4	20

Eurofins Chicago

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

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

Lab Sample ID: 500-237064-9 MSD
Matrix: Water
Analysis Batch: 725733

Client Sample ID: AECOM MW-19
Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		Limit
1,3-Dichloropropane	<0.36		50.0	44.4		ug/L		89	62 - 136	2	20
2,2-Dichloropropane	<0.44		50.0	55.4		ug/L		111	58 - 139	13	20
1,1-Dichloropropene	<0.30		50.0	54.6		ug/L		109	70 - 121	5	20
Ethylbenzene	<0.18		50.0	51.4		ug/L		103	70 - 123	7	20
Hexachlorobutadiene	<0.45		50.0	73.2		ug/L		146	51 - 150	5	20
Isopropylbenzene	<0.39		50.0	55.6		ug/L		111	70 - 126	8	20
Methylene Chloride	<1.6		50.0	58.3		ug/L		117	69 - 125	8	20
Methyl tert-butyl ether	<0.39		50.0	44.1		ug/L		88	55 - 123	8	20
Naphthalene	0.36	J	50.0	54.0		ug/L		107	53 - 144	8	20
n-Butylbenzene	<0.39		50.0	54.5		ug/L		109	68 - 125	7	20
N-Propylbenzene	<0.41		50.0	52.3		ug/L		105	69 - 127	7	20
p-Isopropyltoluene	<0.36		50.0	53.9		ug/L		108	70 - 125	7	20
sec-Butylbenzene	<0.40		50.0	56.2		ug/L		112	70 - 123	9	20
Styrene	<0.39		50.0	48.4		ug/L		97	70 - 120	6	20
tert-Butylbenzene	<0.40		50.0	53.6		ug/L		107	70 - 121	6	20
1,1,1,2-Tetrachloroethane	<0.46		50.0	60.0		ug/L		120	70 - 125	8	20
1,1,2,2-Tetrachloroethane	<0.40		50.0	50.2		ug/L		100	62 - 140	7	20
Tetrachloroethene	<0.37		50.0	55.3		ug/L		111	70 - 128	8	20
Toluene	0.16	J	50.0	50.7		ug/L		101	70 - 125	7	20
trans-1,2-Dichloroethene	<0.35		50.0	58.4		ug/L		117	70 - 125	10	20
trans-1,3-Dichloropropene	<0.36		50.0	38.1		ug/L		76	62 - 128	0	20
1,2,3-Trichlorobenzene	<0.46		50.0	64.1		ug/L		128	51 - 145	7	20
1,2,4-Trichlorobenzene	<0.34		50.0	62.2		ug/L		124	57 - 137	6	20
1,1,1-Trichloroethane	<0.38		50.0	54.7		ug/L		109	70 - 125	9	20
1,1,2-Trichloroethane	<0.35		50.0	43.8		ug/L		88	71 - 130	3	20
Trichloroethene	0.84		50.0	47.4		ug/L		93	70 - 125	5	20
Trichlorofluoromethane	<0.43		50.0	48.2		ug/L		96	55 - 128	8	20
1,2,3-Trichloropropane	<0.41		50.0	48.1		ug/L		96	50 - 133	6	20
1,2,4-Trimethylbenzene	<0.36		50.0	54.8		ug/L		110	70 - 123	7	20
1,3,5-Trimethylbenzene	<0.25		50.0	55.4		ug/L		111	70 - 123	8	20
Vinyl chloride	<0.20		50.0	56.2		ug/L		112	64 - 126	9	20
Xylenes, Total	<0.22		100	112		ug/L		112	70 - 125	8	20

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	95		72 - 124
Dibromofluoromethane (Surr)	108		75 - 120
1,2-Dichloroethane-d4 (Surr)	91		75 - 126
Toluene-d8 (Surr)	114		75 - 120

Lab Sample ID: MB 500-725914/6
Matrix: Water
Analysis Batch: 725914

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.15		0.50	0.15	ug/L			08/02/23 10:15	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/02/23 10:15	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/02/23 10:15	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/02/23 10:15	1

Euofins Chicago

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

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

Lab Sample ID: MB 500-725914/6
Matrix: Water
Analysis Batch: 725914

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	<0.48		1.0	0.48	ug/L			08/02/23 10:15	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/02/23 10:15	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/02/23 10:15	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/02/23 10:15	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/02/23 10:15	1
Chloroform	<0.37		2.0	0.37	ug/L			08/02/23 10:15	1
Chloromethane	<0.32		5.0	0.32	ug/L			08/02/23 10:15	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/02/23 10:15	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/02/23 10:15	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			08/02/23 10:15	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/02/23 10:15	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/02/23 10:15	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/02/23 10:15	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/02/23 10:15	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/02/23 10:15	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/02/23 10:15	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/02/23 10:15	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/02/23 10:15	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/02/23 10:15	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/02/23 10:15	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/02/23 10:15	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/02/23 10:15	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/02/23 10:15	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/02/23 10:15	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/02/23 10:15	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/02/23 10:15	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/02/23 10:15	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/02/23 10:15	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			08/02/23 10:15	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/02/23 10:15	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/02/23 10:15	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/02/23 10:15	1
Naphthalene	<0.34		1.0	0.34	ug/L			08/02/23 10:15	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/02/23 10:15	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			08/02/23 10:15	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			08/02/23 10:15	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			08/02/23 10:15	1
Styrene	<0.39		1.0	0.39	ug/L			08/02/23 10:15	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			08/02/23 10:15	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/02/23 10:15	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/02/23 10:15	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			08/02/23 10:15	1
Toluene	0.155	J	0.50	0.15	ug/L			08/02/23 10:15	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			08/02/23 10:15	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/02/23 10:15	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/02/23 10:15	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/02/23 10:15	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/02/23 10:15	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/02/23 10:15	1

Eurofins Chicago

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

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

Lab Sample ID: MB 500-725914/6
Matrix: Water
Analysis Batch: 725914

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Trichloroethene	<0.16		0.50	0.16	ug/L			08/02/23 10:15	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/02/23 10:15	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/02/23 10:15	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			08/02/23 10:15	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			08/02/23 10:15	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/02/23 10:15	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			08/02/23 10:15	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	114		72 - 124		08/02/23 10:15	1
Dibromofluoromethane (Surr)	99		75 - 120		08/02/23 10:15	1
1,2-Dichloroethane-d4 (Surr)	98		75 - 126		08/02/23 10:15	1
Toluene-d8 (Surr)	94		75 - 120		08/02/23 10:15	1

Lab Sample ID: LCS 500-725914/4
Matrix: Water
Analysis Batch: 725914

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Benzene	50.0	45.9		ug/L		92	70 - 120
Bromobenzene	50.0	49.6		ug/L		99	70 - 122
Bromochloromethane	50.0	43.8		ug/L		88	65 - 122
Bromodichloromethane	50.0	48.3		ug/L		97	69 - 120
Bromoform	50.0	57.4		ug/L		115	56 - 132
Bromomethane	50.0	71.6		ug/L		143	40 - 152
Carbon tetrachloride	50.0	47.5		ug/L		95	59 - 133
Chlorobenzene	50.0	47.4		ug/L		95	70 - 120
Chloroethane	50.0	54.7		ug/L		109	48 - 136
Chloroform	50.0	43.6		ug/L		87	70 - 120
Chloromethane	50.0	57.0		ug/L		114	56 - 152
2-Chlorotoluene	50.0	53.7		ug/L		107	70 - 125
4-Chlorotoluene	50.0	54.4		ug/L		109	68 - 124
cis-1,2-Dichloroethene	50.0	45.7		ug/L		91	70 - 125
cis-1,3-Dichloropropene	50.0	48.8		ug/L		98	64 - 127
Dibromochloromethane	50.0	53.6		ug/L		107	68 - 125
1,2-Dibromo-3-Chloropropane	50.0	49.9		ug/L		100	56 - 123
1,2-Dibromoethane	50.0	48.0		ug/L		96	70 - 125
Dibromomethane	50.0	45.5		ug/L		91	70 - 120
1,2-Dichlorobenzene	50.0	47.6		ug/L		95	70 - 125
1,3-Dichlorobenzene	50.0	49.0		ug/L		98	70 - 125
1,4-Dichlorobenzene	50.0	48.2		ug/L		96	70 - 120
Dichlorodifluoromethane	50.0	39.8		ug/L		80	40 - 159
1,1-Dichloroethane	50.0	50.1		ug/L		100	70 - 125
1,2-Dichloroethane	50.0	46.3		ug/L		93	68 - 127
1,1-Dichloroethene	50.0	45.0		ug/L		90	67 - 122
1,2-Dichloropropane	50.0	51.8		ug/L		104	67 - 130
1,3-Dichloropropane	50.0	49.6		ug/L		99	62 - 136
2,2-Dichloropropane	50.0	46.5		ug/L		93	58 - 139

Eurofins Chicago

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

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

Lab Sample ID: LCS 500-725914/4
Matrix: Water
Analysis Batch: 725914

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloropropene	50.0	46.6		ug/L		93	70 - 121
Ethylbenzene	50.0	47.9		ug/L		96	70 - 123
Hexachlorobutadiene	50.0	32.6		ug/L		65	51 - 150
Isopropylbenzene	50.0	51.5		ug/L		103	70 - 126
Methylene Chloride	50.0	45.7		ug/L		91	69 - 125
Methyl tert-butyl ether	50.0	33.7		ug/L		67	55 - 123
Naphthalene	50.0	32.7		ug/L		65	53 - 144
n-Butylbenzene	50.0	51.3		ug/L		103	68 - 125
N-Propylbenzene	50.0	55.8		ug/L		112	69 - 127
p-Isopropyltoluene	50.0	52.1		ug/L		104	70 - 125
sec-Butylbenzene	50.0	52.4		ug/L		105	70 - 123
Styrene	50.0	50.5		ug/L		101	70 - 120
tert-Butylbenzene	50.0	51.3		ug/L		103	70 - 121
1,1,1,2-Tetrachloroethane	50.0	49.1		ug/L		98	70 - 125
1,1,2,2-Tetrachloroethane	50.0	55.2		ug/L		110	62 - 140
Tetrachloroethene	50.0	42.0		ug/L		84	70 - 128
Toluene	50.0	48.9		ug/L		98	70 - 125
trans-1,2-Dichloroethene	50.0	45.9		ug/L		92	70 - 125
trans-1,3-Dichloropropene	50.0	51.0		ug/L		102	62 - 128
1,2,3-Trichlorobenzene	50.0	28.7		ug/L		57	51 - 145
1,2,4-Trichlorobenzene	50.0	31.0		ug/L		62	57 - 137
1,1,1-Trichloroethane	50.0	42.1		ug/L		84	70 - 125
1,1,2-Trichloroethane	50.0	48.4		ug/L		97	71 - 130
Trichloroethene	50.0	44.4		ug/L		89	70 - 125
Trichlorofluoromethane	50.0	45.8		ug/L		92	55 - 128
1,2,3-Trichloropropane	50.0	51.1		ug/L		102	50 - 133
1,2,4-Trimethylbenzene	50.0	53.1		ug/L		106	70 - 123
1,3,5-Trimethylbenzene	50.0	52.2		ug/L		104	70 - 123
Vinyl chloride	50.0	53.8		ug/L		108	64 - 126
Xylenes, Total	100	98.3		ug/L		98	70 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		72 - 124
Dibromofluoromethane (Surr)	94		75 - 120
1,2-Dichloroethane-d4 (Surr)	91		75 - 126
Toluene-d8 (Surr)	96		75 - 120

Lab Sample ID: MB 500-726112/6
Matrix: Water
Analysis Batch: 726112

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			08/03/23 09:43	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/03/23 09:43	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/03/23 09:43	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/03/23 09:43	1
Bromoform	<0.48		1.0	0.48	ug/L			08/03/23 09:43	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/03/23 09:43	1

Euofins Chicago

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

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

Lab Sample ID: MB 500-726112/6
Matrix: Water
Analysis Batch: 726112

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/03/23 09:43	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/03/23 09:43	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/03/23 09:43	1
Chloroform	<0.37		2.0	0.37	ug/L			08/03/23 09:43	1
Chloromethane	<0.32		5.0	0.32	ug/L			08/03/23 09:43	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/03/23 09:43	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/03/23 09:43	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			08/03/23 09:43	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/03/23 09:43	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/03/23 09:43	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/03/23 09:43	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/03/23 09:43	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/03/23 09:43	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/03/23 09:43	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/03/23 09:43	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/03/23 09:43	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/03/23 09:43	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/03/23 09:43	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/03/23 09:43	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/03/23 09:43	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/03/23 09:43	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/03/23 09:43	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/03/23 09:43	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/03/23 09:43	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/03/23 09:43	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/03/23 09:43	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			08/03/23 09:43	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/03/23 09:43	1
Methylene Chloride	1.80	J	5.0	1.6	ug/L			08/03/23 09:43	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/03/23 09:43	1
Naphthalene	<0.34		1.0	0.34	ug/L			08/03/23 09:43	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/03/23 09:43	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			08/03/23 09:43	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			08/03/23 09:43	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			08/03/23 09:43	1
Styrene	<0.39		1.0	0.39	ug/L			08/03/23 09:43	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			08/03/23 09:43	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/03/23 09:43	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/03/23 09:43	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			08/03/23 09:43	1
Toluene	<0.15		0.50	0.15	ug/L			08/03/23 09:43	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			08/03/23 09:43	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/03/23 09:43	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/03/23 09:43	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/03/23 09:43	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/03/23 09:43	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/03/23 09:43	1
Trichloroethene	<0.16		0.50	0.16	ug/L			08/03/23 09:43	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/03/23 09:43	1

Eurofins Chicago

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

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

Lab Sample ID: MB 500-726112/6
Matrix: Water
Analysis Batch: 726112

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/03/23 09:43	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			08/03/23 09:43	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			08/03/23 09:43	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/03/23 09:43	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			08/03/23 09:43	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	109		72 - 124		08/03/23 09:43	1
Dibromofluoromethane (Surr)	97		75 - 120		08/03/23 09:43	1
1,2-Dichloroethane-d4 (Surr)	100		75 - 126		08/03/23 09:43	1
Toluene-d8 (Surr)	105		75 - 120		08/03/23 09:43	1

Lab Sample ID: LCS 500-726112/4
Matrix: Water
Analysis Batch: 726112

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Benzene	50.0	45.3		ug/L		91	70 - 120
Bromobenzene	50.0	53.7		ug/L		107	70 - 122
Bromochloromethane	50.0	47.2		ug/L		94	65 - 122
Bromodichloromethane	50.0	51.7		ug/L		103	69 - 120
Bromoform	50.0	46.6		ug/L		93	56 - 132
Bromomethane	50.0	53.7		ug/L		107	40 - 152
Carbon tetrachloride	50.0	53.4		ug/L		107	59 - 133
Chlorobenzene	50.0	55.3		ug/L		111	70 - 120
Chloroethane	50.0	54.9		ug/L		110	48 - 136
Chloroform	50.0	46.0		ug/L		92	70 - 120
Chloromethane	50.0	46.8		ug/L		94	56 - 152
2-Chlorotoluene	50.0	50.3		ug/L		101	70 - 125
4-Chlorotoluene	50.0	52.0		ug/L		104	68 - 124
cis-1,2-Dichloroethene	50.0	46.6		ug/L		93	70 - 125
cis-1,3-Dichloropropene	50.0	56.5		ug/L		113	64 - 127
Dibromochloromethane	50.0	55.4		ug/L		111	68 - 125
1,2-Dibromo-3-Chloropropane	50.0	43.7		ug/L		87	56 - 123
1,2-Dibromoethane	50.0	55.5		ug/L		111	70 - 125
Dibromomethane	50.0	52.2		ug/L		104	70 - 120
1,2-Dichlorobenzene	50.0	53.7		ug/L		107	70 - 125
1,3-Dichlorobenzene	50.0	54.0		ug/L		108	70 - 125
1,4-Dichlorobenzene	50.0	53.3		ug/L		107	70 - 120
Dichlorodifluoromethane	50.0	46.4		ug/L		93	40 - 159
1,1-Dichloroethane	50.0	49.1		ug/L		98	70 - 125
1,2-Dichloroethane	50.0	52.4		ug/L		105	68 - 127
1,1-Dichloroethene	50.0	46.6		ug/L		93	67 - 122
1,2-Dichloropropane	50.0	53.2		ug/L		106	67 - 130
1,3-Dichloropropane	50.0	56.6		ug/L		113	62 - 136
2,2-Dichloropropane	50.0	49.3		ug/L		99	58 - 139
1,1-Dichloropropene	50.0	48.4		ug/L		97	70 - 121
Ethylbenzene	50.0	50.1		ug/L		100	70 - 123

Eurofins Chicago

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

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

Lab Sample ID: LCS 500-726112/4
Matrix: Water
Analysis Batch: 726112

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Hexachlorobutadiene	50.0	56.3		ug/L		113	51 - 150
Isopropylbenzene	50.0	52.4		ug/L		105	70 - 126
Methylene Chloride	50.0	50.0		ug/L		100	69 - 125
Methyl tert-butyl ether	50.0	47.6		ug/L		95	55 - 123
Naphthalene	50.0	43.0		ug/L		86	53 - 144
n-Butylbenzene	50.0	51.9		ug/L		104	68 - 125
N-Propylbenzene	50.0	51.4		ug/L		103	69 - 127
p-Isopropyltoluene	50.0	52.6		ug/L		105	70 - 125
sec-Butylbenzene	50.0	51.9		ug/L		104	70 - 123
Styrene	50.0	50.3		ug/L		101	70 - 120
tert-Butylbenzene	50.0	51.5		ug/L		103	70 - 121
1,1,1,2-Tetrachloroethane	50.0	57.2		ug/L		114	70 - 125
1,1,2,2-Tetrachloroethane	50.0	49.9		ug/L		100	62 - 140
Tetrachloroethene	50.0	58.9		ug/L		118	70 - 128
Toluene	50.0	52.3		ug/L		105	70 - 125
trans-1,2-Dichloroethene	50.0	45.9		ug/L		92	70 - 125
trans-1,3-Dichloropropene	50.0	54.2		ug/L		108	62 - 128
1,2,3-Trichlorobenzene	50.0	50.2		ug/L		100	51 - 145
1,2,4-Trichlorobenzene	50.0	53.8		ug/L		108	57 - 137
1,1,1-Trichloroethane	50.0	51.0		ug/L		102	70 - 125
1,1,2-Trichloroethane	50.0	56.7		ug/L		113	71 - 130
Trichloroethene	50.0	49.7		ug/L		99	70 - 125
Trichlorofluoromethane	50.0	56.3		ug/L		113	55 - 128
1,2,3-Trichloropropane	50.0	51.6		ug/L		103	50 - 133
1,2,4-Trimethylbenzene	50.0	50.2		ug/L		100	70 - 123
1,3,5-Trimethylbenzene	50.0	51.9		ug/L		104	70 - 123
Vinyl chloride	50.0	50.4		ug/L		101	64 - 126
Xylenes, Total	100	98.7		ug/L		99	70 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		72 - 124
Dibromofluoromethane (Surr)	99		75 - 120
1,2-Dichloroethane-d4 (Surr)	101		75 - 126
Toluene-d8 (Surr)	109		75 - 120

Lab Sample ID: 500-237064-39 MS
Matrix: Water
Analysis Batch: 726112

Client Sample ID: MW-219
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.15		50.0	44.6		ug/L		89	70 - 120
Bromobenzene	<0.36		50.0	57.5		ug/L		115	70 - 122
Bromochloromethane	<0.43		50.0	45.4		ug/L		91	65 - 122
Bromodichloromethane	<0.37		50.0	50.8		ug/L		102	69 - 120
Bromoform	<0.48		50.0	46.7		ug/L		93	56 - 132
Bromomethane	<0.80		50.0	54.4		ug/L		109	40 - 152
Carbon tetrachloride	<0.38		50.0	50.1		ug/L		100	59 - 133
Chlorobenzene	<0.39		50.0	51.0		ug/L		102	70 - 120

Eurolins Chicago

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

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

Lab Sample ID: 500-237064-39 MS

Matrix: Water

Analysis Batch: 726112

Client Sample ID: MW-219

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloroethane	<0.51		50.0	43.1		ug/L		86	48 - 136
Chloroform	<0.37		50.0	44.5		ug/L		89	70 - 120
Chloromethane	<0.32		50.0	35.2		ug/L		70	56 - 152
2-Chlorotoluene	<0.31		50.0	50.7		ug/L		101	70 - 125
4-Chlorotoluene	<0.35		50.0	50.8		ug/L		102	68 - 124
cis-1,2-Dichloroethene	<0.41		50.0	44.0		ug/L		88	70 - 125
cis-1,3-Dichloropropene	<0.42		50.0	54.7		ug/L		109	64 - 127
Dibromochloromethane	<0.49		50.0	53.0		ug/L		106	68 - 125
1,2-Dibromo-3-Chloropropane	<2.0		50.0	47.4		ug/L		95	56 - 123
1,2-Dibromoethane	<0.39		50.0	54.1		ug/L		108	70 - 125
Dibromomethane	<0.27		50.0	52.5		ug/L		105	70 - 120
1,2-Dichlorobenzene	<0.33		50.0	51.5		ug/L		103	70 - 125
1,3-Dichlorobenzene	<0.40		50.0	51.9		ug/L		104	70 - 125
1,4-Dichlorobenzene	<0.36		50.0	51.6		ug/L		103	70 - 120
Dichlorodifluoromethane	<0.67		50.0	35.0		ug/L		70	40 - 159
1,1-Dichloroethane	<0.41		50.0	45.6		ug/L		91	70 - 125
1,2-Dichloroethane	<0.39		50.0	52.9		ug/L		106	68 - 127
1,1-Dichloroethene	<0.39		50.0	40.1		ug/L		80	67 - 122
1,2-Dichloropropane	<0.43		50.0	50.9		ug/L		102	67 - 130
1,3-Dichloropropane	<0.36		50.0	54.8		ug/L		110	62 - 136
2,2-Dichloropropane	<0.44		50.0	42.8		ug/L		86	58 - 139
1,1-Dichloropropene	<0.30		50.0	47.9		ug/L		96	70 - 121
Ethylbenzene	<0.18		50.0	46.1		ug/L		92	70 - 123
Hexachlorobutadiene	<0.45		50.0	57.8		ug/L		116	51 - 150
Isopropylbenzene	<0.39		50.0	52.6		ug/L		105	70 - 126
Methylene Chloride	<1.6		50.0	48.7		ug/L		97	69 - 125
Methyl tert-butyl ether	<0.39		50.0	44.5		ug/L		89	55 - 123
Naphthalene	<0.34		50.0	48.7		ug/L		97	53 - 144
n-Butylbenzene	<0.39		50.0	47.6		ug/L		95	68 - 125
N-Propylbenzene	<0.41		50.0	51.9		ug/L		104	69 - 127
p-Isopropyltoluene	<0.36		50.0	51.2		ug/L		102	70 - 125
sec-Butylbenzene	<0.40		50.0	51.5		ug/L		103	70 - 123
Styrene	<0.39		50.0	46.9		ug/L		94	70 - 120
tert-Butylbenzene	<0.40		50.0	52.4		ug/L		105	70 - 121
1,1,1,2-Tetrachloroethane	<0.46		50.0	53.4		ug/L		107	70 - 125
1,1,1,2,2-Tetrachloroethane	<0.40		50.0	52.5		ug/L		105	62 - 140
Tetrachloroethene	<0.37		50.0	57.3		ug/L		115	70 - 128
Toluene	<0.15		50.0	49.7		ug/L		99	70 - 125
trans-1,2-Dichloroethene	<0.35		50.0	53.7		ug/L		107	70 - 125
trans-1,3-Dichloropropene	<0.36		50.0	51.5		ug/L		103	62 - 128
1,2,3-Trichlorobenzene	<0.46		50.0	54.8		ug/L		110	51 - 145
1,2,4-Trichlorobenzene	<0.34		50.0	52.8		ug/L		106	57 - 137
1,1,1-Trichloroethane	<0.38		50.0	46.0		ug/L		92	70 - 125
1,1,1,2-Trichloroethane	<0.35		50.0	55.3		ug/L		111	71 - 130
Trichloroethene	<0.16		50.0	48.3		ug/L		97	70 - 125
Trichlorofluoromethane	<0.43		50.0	45.9		ug/L		92	55 - 128
1,2,3-Trichloropropane	<0.41		50.0	54.2		ug/L		108	50 - 133
1,2,4-Trimethylbenzene	<0.36		50.0	49.0		ug/L		98	70 - 123
1,3,5-Trimethylbenzene	<0.25		50.0	51.2		ug/L		102	70 - 123

Eurofins Chicago

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

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

Lab Sample ID: 500-237064-39 MS

Matrix: Water

Analysis Batch: 726112

Client Sample ID: MW-219

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Vinyl chloride	<0.20		50.0	40.7		ug/L		81	64 - 126
Xylenes, Total	<0.22		100	92.5		ug/L		93	70 - 125
MS MS									
Surrogate	%Recovery	MS Qualifier	MS Limits						
4-Bromofluorobenzene (Surr)	106		72 - 124						
Dibromofluoromethane (Surr)	101		75 - 120						
1,2-Dichloroethane-d4 (Surr)	102		75 - 126						
Toluene-d8 (Surr)	106		75 - 120						

Lab Sample ID: 500-237064-39 MSD

Matrix: Water

Analysis Batch: 726112

Client Sample ID: MW-219

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.15		50.0	48.7		ug/L		97	70 - 120	9	20
Bromobenzene	<0.36		50.0	59.9		ug/L		120	70 - 122	4	20
Bromochloromethane	<0.43		50.0	49.6		ug/L		99	65 - 122	9	20
Bromodichloromethane	<0.37		50.0	53.8		ug/L		108	69 - 120	6	20
Bromoform	<0.48		50.0	52.8		ug/L		106	56 - 132	12	20
Bromomethane	<0.80		50.0	63.5		ug/L		127	40 - 152	15	20
Carbon tetrachloride	<0.38		50.0	56.0		ug/L		112	59 - 133	11	20
Chlorobenzene	<0.39		50.0	58.2		ug/L		116	70 - 120	13	20
Chloroethane	<0.51		50.0	52.5		ug/L		105	48 - 136	20	20
Chloroform	<0.37		50.0	48.1		ug/L		96	70 - 120	8	20
Chloromethane	<0.32		50.0	40.6		ug/L		81	56 - 152	14	20
2-Chlorotoluene	<0.31		50.0	54.6		ug/L		109	70 - 125	7	20
4-Chlorotoluene	<0.35		50.0	55.9		ug/L		112	68 - 124	10	20
cis-1,2-Dichloroethene	<0.41		50.0	49.9		ug/L		100	70 - 125	12	20
cis-1,3-Dichloropropene	<0.42		50.0	58.3		ug/L		117	64 - 127	6	20
Dibromochloromethane	<0.49		50.0	59.3		ug/L		119	68 - 125	11	20
1,2-Dibromo-3-Chloropropane	<2.0		50.0	49.0		ug/L		98	56 - 123	3	20
1,2-Dibromoethane	<0.39		50.0	58.7		ug/L		117	70 - 125	8	20
Dibromomethane	<0.27		50.0	55.6		ug/L		111	70 - 120	6	20
1,2-Dichlorobenzene	<0.33		50.0	57.4		ug/L		115	70 - 125	11	20
1,3-Dichlorobenzene	<0.40		50.0	56.9		ug/L		114	70 - 125	9	20
1,4-Dichlorobenzene	<0.36		50.0	55.9		ug/L		112	70 - 120	8	20
Dichlorodifluoromethane	<0.67		50.0	41.5		ug/L		83	40 - 159	17	20
1,1-Dichloroethane	<0.41		50.0	50.3		ug/L		101	70 - 125	10	20
1,2-Dichloroethane	<0.39		50.0	56.2		ug/L		112	68 - 127	6	20
1,1-Dichloroethene	<0.39		50.0	48.0		ug/L		96	67 - 122	18	20
1,2-Dichloropropane	<0.43		50.0	56.3		ug/L		113	67 - 130	10	20
1,3-Dichloropropane	<0.36		50.0	60.2		ug/L		120	62 - 136	9	20
2,2-Dichloropropane	<0.44		50.0	48.8		ug/L		98	58 - 139	13	20
1,1-Dichloropropene	<0.30		50.0	52.4		ug/L		105	70 - 121	9	20
Ethylbenzene	<0.18		50.0	52.0		ug/L		104	70 - 123	12	20
Hexachlorobutadiene	<0.45		50.0	63.7		ug/L		127	51 - 150	10	20
Isopropylbenzene	<0.39		50.0	56.8		ug/L		114	70 - 126	8	20
Methylene Chloride	<1.6		50.0	52.2		ug/L		104	69 - 125	7	20

Eurofins Chicago

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

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

Lab Sample ID: 500-237064-39 MSD
Matrix: Water
Analysis Batch: 726112

Client Sample ID: MW-219
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methyl tert-butyl ether	<0.39		50.0	49.9		ug/L		100	55 - 123	11	20
Naphthalene	<0.34		50.0	52.4		ug/L		105	53 - 144	7	20
n-Butylbenzene	<0.39		50.0	53.6		ug/L		107	68 - 125	12	20
N-Propylbenzene	<0.41		50.0	56.0		ug/L		112	69 - 127	8	20
p-Isopropyltoluene	<0.36		50.0	55.8		ug/L		112	70 - 125	8	20
sec-Butylbenzene	<0.40		50.0	56.0		ug/L		112	70 - 123	8	20
Styrene	<0.39		50.0	53.2		ug/L		106	70 - 120	12	20
tert-Butylbenzene	<0.40		50.0	56.2		ug/L		112	70 - 121	7	20
1,1,1,2-Tetrachloroethane	<0.46		50.0	59.1		ug/L		118	70 - 125	10	20
1,1,2,2-Tetrachloroethane	<0.40		50.0	56.4		ug/L		113	62 - 140	7	20
Tetrachloroethene	<0.37		50.0	63.2		ug/L		126	70 - 128	10	20
Toluene	<0.15		50.0	54.0		ug/L		108	70 - 125	8	20
trans-1,2-Dichloroethene	<0.35		50.0	54.3		ug/L		109	70 - 125	1	20
trans-1,3-Dichloropropene	<0.36		50.0	55.6		ug/L		111	62 - 128	8	20
1,2,3-Trichlorobenzene	<0.46		50.0	60.5		ug/L		121	51 - 145	10	20
1,2,4-Trichlorobenzene	<0.34		50.0	57.5		ug/L		115	57 - 137	9	20
1,1,1-Trichloroethane	<0.38		50.0	53.4		ug/L		107	70 - 125	15	20
1,1,2-Trichloroethane	<0.35		50.0	58.4		ug/L		117	71 - 130	6	20
Trichloroethene	<0.16		50.0	53.4		ug/L		107	70 - 125	10	20
Trichlorofluoromethane	<0.43		50.0	53.5		ug/L		107	55 - 128	15	20
1,2,3-Trichloropropane	<0.41		50.0	56.6		ug/L		113	50 - 133	4	20
1,2,4-Trimethylbenzene	<0.36		50.0	53.9		ug/L		108	70 - 123	10	20
1,3,5-Trimethylbenzene	<0.25		50.0	55.8		ug/L		112	70 - 123	9	20
Vinyl chloride	<0.20		50.0	46.3		ug/L		93	64 - 126	13	20
Xylenes, Total	<0.22		100	103		ug/L		103	70 - 125	10	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		72 - 124
Dibromofluoromethane (Surr)	96		75 - 120
1,2-Dichloroethane-d4 (Surr)	99		75 - 126
Toluene-d8 (Surr)	108		75 - 120

Lab Sample ID: MB 500-726299/6
Matrix: Water
Analysis Batch: 726299

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/03/23 22:03	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			08/03/23 22:03	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		72 - 124		08/03/23 22:03	1
Dibromofluoromethane (Surr)	95		75 - 120		08/03/23 22:03	1
1,2-Dichloroethane-d4 (Surr)	102		75 - 126		08/03/23 22:03	1
Toluene-d8 (Surr)	107		75 - 120		08/03/23 22:03	1

Euofins Chicago

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

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

Lab Sample ID: LCS 500-726299/24
Matrix: Water
Analysis Batch: 726299

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,4-Trimethylbenzene	50.0	55.3		ug/L		111	70 - 123
LCS LCS							
Surrogate	%Recovery	Qualifier	Limits				
4-Bromofluorobenzene (Surr)	99		72 - 124				
Dibromofluoromethane (Surr)	102		75 - 120				
1,2-Dichloroethane-d4 (Surr)	105		75 - 126				
Toluene-d8 (Surr)	102		75 - 120				

Lab Sample ID: MB 500-726349/6
Matrix: Water
Analysis Batch: 726349

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<0.34		1.0	0.34	ug/L			08/04/23 10:49	1
MB MB									
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		72 - 124					08/04/23 10:49	1
Dibromofluoromethane (Surr)	94		75 - 120					08/04/23 10:49	1
1,2-Dichloroethane-d4 (Surr)	99		75 - 126					08/04/23 10:49	1
Toluene-d8 (Surr)	95		75 - 120					08/04/23 10:49	1

Lab Sample ID: LCS 500-726349/4
Matrix: Water
Analysis Batch: 726349

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Naphthalene	50.0	50.8		ug/L		102	53 - 144
LCS LCS							
Surrogate	%Recovery	Qualifier	Limits				
4-Bromofluorobenzene (Surr)	101		72 - 124				
Dibromofluoromethane (Surr)	98		75 - 120				
1,2-Dichloroethane-d4 (Surr)	97		75 - 126				
Toluene-d8 (Surr)	95		75 - 120				

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-693847/1-A
Matrix: Water
Analysis Batch: 694215

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 693847

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.4		5.0	2.4	ng/L		07/26/23 05:27	07/27/23 19:02	1
Perfluoropentanoic acid (PFPeA)	<0.49		2.0	0.49	ng/L		07/26/23 05:27	07/27/23 19:02	1
Perfluorohexanoic acid (PFHxA)	<0.58		2.0	0.58	ng/L		07/26/23 05:27	07/27/23 19:02	1
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		07/26/23 05:27	07/27/23 19:02	1
Perfluorooctanoic acid (PFOA)	<0.85		2.0	0.85	ng/L		07/26/23 05:27	07/27/23 19:02	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		07/26/23 05:27	07/27/23 19:02	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		07/26/23 05:27	07/27/23 19:02	1

Euofins Chicago

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: MB 320-693847/1-A
Matrix: Water
Analysis Batch: 694215

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 693847

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		07/26/23 05:27	07/27/23 19:02	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		07/26/23 05:27	07/27/23 19:02	1
Perfluorotridecanoic acid (PFTriA)	<1.3		2.0	1.3	ng/L		07/26/23 05:27	07/27/23 19:02	1
Perfluorotetradecanoic acid (PFTeA)	<0.73		2.0	0.73	ng/L		07/26/23 05:27	07/27/23 19:02	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		07/26/23 05:27	07/27/23 19:02	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		07/26/23 05:27	07/27/23 19:02	1
Perfluorohexanesulfonic acid (PFHxS)	<0.57		2.0	0.57	ng/L		07/26/23 05:27	07/27/23 19:02	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		07/26/23 05:27	07/27/23 19:02	1
Perfluorooctanesulfonic acid (PFOS)	<0.54		2.0	0.54	ng/L		07/26/23 05:27	07/27/23 19:02	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		07/26/23 05:27	07/27/23 19:02	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		07/26/23 05:27	07/27/23 19:02	1
Perfluorododecanesulfonic acid (PFDoS)	<0.97		2.0	0.97	ng/L		07/26/23 05:27	07/27/23 19:02	1
Perfluorooctanesulfonamide (FOSA)	<0.98		2.0	0.98	ng/L		07/26/23 05:27	07/27/23 19:02	1
NEtFOSA	<0.87		2.0	0.87	ng/L		07/26/23 05:27	07/27/23 19:02	1
NMeFOSA	<0.43		2.0	0.43	ng/L		07/26/23 05:27	07/27/23 19:02	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<1.2		5.0	1.2	ng/L		07/26/23 05:27	07/27/23 19:02	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<1.3		5.0	1.3	ng/L		07/26/23 05:27	07/27/23 19:02	1
NMeFOSE	<1.4		4.0	1.4	ng/L		07/26/23 05:27	07/27/23 19:02	1
NEtFOSE	<0.85		2.0	0.85	ng/L		07/26/23 05:27	07/27/23 19:02	1
4:2 FTS	<0.24		2.0	0.24	ng/L		07/26/23 05:27	07/27/23 19:02	1
6:2 FTS	<2.5		5.0	2.5	ng/L		07/26/23 05:27	07/27/23 19:02	1
8:2 FTS	<0.46		2.0	0.46	ng/L		07/26/23 05:27	07/27/23 19:02	1
DONA	<0.40		2.0	0.40	ng/L		07/26/23 05:27	07/27/23 19:02	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		07/26/23 05:27	07/27/23 19:02	1
F-53B Major	<0.24		2.0	0.24	ng/L		07/26/23 05:27	07/27/23 19:02	1
F-53B Minor	<0.32		2.0	0.32	ng/L		07/26/23 05:27	07/27/23 19:02	1

Isotope Dilution	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
13C4 PFBA	98		25 - 150	07/26/23 05:27	07/27/23 19:02	1
13C5 PFPeA	100		25 - 150	07/26/23 05:27	07/27/23 19:02	1
13C2 PFHxA	97		25 - 150	07/26/23 05:27	07/27/23 19:02	1
13C4 PFHpA	101		25 - 150	07/26/23 05:27	07/27/23 19:02	1
13C4 PFOA	102		25 - 150	07/26/23 05:27	07/27/23 19:02	1
13C5 PFNA	103		25 - 150	07/26/23 05:27	07/27/23 19:02	1
13C2 PFDA	107		25 - 150	07/26/23 05:27	07/27/23 19:02	1
13C2 PFUnA	110		25 - 150	07/26/23 05:27	07/27/23 19:02	1
13C2 PFDoA	102		25 - 150	07/26/23 05:27	07/27/23 19:02	1
13C2 PFTeDA	100		25 - 150	07/26/23 05:27	07/27/23 19:02	1
13C3 PFBS	106		25 - 150	07/26/23 05:27	07/27/23 19:02	1
18O2 PFHxS	104		25 - 150	07/26/23 05:27	07/27/23 19:02	1
13C4 PFOS	107		25 - 150	07/26/23 05:27	07/27/23 19:02	1
13C8 FOSA	123		10 - 150	07/26/23 05:27	07/27/23 19:02	1
d3-NMeFOSAA	126		25 - 150	07/26/23 05:27	07/27/23 19:02	1
d5-NEtFOSAA	123		25 - 150	07/26/23 05:27	07/27/23 19:02	1
d-N-MeFOSA-M	98		10 - 150	07/26/23 05:27	07/27/23 19:02	1

Eurofins Chicago

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: MB 320-693847/1-A
Matrix: Water
Analysis Batch: 694215

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 693847

Isotope Dilution	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
d-N-EtFOSA-M	98		10 - 150	07/26/23 05:27	07/27/23 19:02	1
d7-N-MeFOSE-M	116		10 - 150	07/26/23 05:27	07/27/23 19:02	1
d9-N-EtFOSE-M	107		10 - 150	07/26/23 05:27	07/27/23 19:02	1
M2-4:2 FTS	92		25 - 150	07/26/23 05:27	07/27/23 19:02	1
M2-6:2 FTS	92		25 - 150	07/26/23 05:27	07/27/23 19:02	1
M2-8:2 FTS	92		25 - 150	07/26/23 05:27	07/27/23 19:02	1
13C3 HFPO-DA	101		25 - 150	07/26/23 05:27	07/27/23 19:02	1

Lab Sample ID: LCS 320-693847/2-A
Matrix: Water
Analysis Batch: 694215

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 693847

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec
							Limits
Perfluorobutanoic acid (PFBA)	40.0	40.9		ng/L		102	60 - 135
Perfluoropentanoic acid (PFPeA)	40.0	39.6		ng/L		99	60 - 135
Perfluorohexanoic acid (PFHxA)	40.0	40.3		ng/L		101	60 - 135
Perfluoroheptanoic acid (PFHpA)	40.0	39.0		ng/L		98	60 - 135
Perfluorooctanoic acid (PFOA)	40.0	38.8		ng/L		97	60 - 135
Perfluorononanoic acid (PFNA)	40.0	43.4		ng/L		108	60 - 135
Perfluorodecanoic acid (PFDA)	40.0	39.8		ng/L		100	60 - 135
Perfluoroundecanoic acid (PFUnA)	40.0	40.6		ng/L		102	60 - 135
Perfluorododecanoic acid (PFDoA)	40.0	43.5		ng/L		109	60 - 135
Perfluorotridecanoic acid (PFTriA)	40.0	40.0		ng/L		100	60 - 135
Perfluorotetradecanoic acid (PFTeA)	40.0	39.9		ng/L		100	60 - 135
Perfluorobutanesulfonic acid (PFBS)	35.5	34.3		ng/L		97	60 - 135
Perfluoropentanesulfonic acid (PFPeS)	37.6	35.7		ng/L		95	60 - 135
Perfluorohexanesulfonic acid (PFHxS)	36.5	32.3		ng/L		89	60 - 135
Perfluoroheptanesulfonic acid (PFHpS)	38.2	35.0		ng/L		92	60 - 135
Perfluorooctanesulfonic acid (PFOS)	37.2	36.4		ng/L		98	60 - 135
Perfluorononanesulfonic acid (PFNS)	38.5	37.2		ng/L		97	60 - 135
Perfluorodecanesulfonic acid (PFDS)	38.6	38.1		ng/L		99	60 - 135
Perfluorododecanesulfonic acid (PFDoS)	38.8	32.4		ng/L		83	60 - 135
Perfluorooctanesulfonamide (FOSA)	40.0	35.7		ng/L		89	60 - 135
NEtFOSA	40.0	38.8		ng/L		97	60 - 135
NMeFOSA	40.0	41.1		ng/L		103	60 - 135
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	40.0	38.4		ng/L		96	60 - 135
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	40.0	35.8		ng/L		90	60 - 135
NMeFOSE	40.0	37.9		ng/L		95	60 - 135

Eurofins Chicago

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-693847/2-A
Matrix: Water
Analysis Batch: 694215

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 693847

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
NEtFOSE	40.0	38.0		ng/L		95	60 - 135
4:2 FTS	37.5	35.8		ng/L		95	60 - 135
6:2 FTS	38.1	35.8		ng/L		94	60 - 135
8:2 FTS	38.4	33.5		ng/L		87	60 - 135
DONA	37.8	37.6		ng/L		99	60 - 135
HFPO-DA (GenX)	40.0	42.0		ng/L		105	60 - 135
F-53B Major	37.4	32.4		ng/L		87	60 - 135
F-53B Minor	37.8	34.5		ng/L		91	60 - 135

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
13C4 PFBA	104		25 - 150
13C5 PFPeA	104		25 - 150
13C2 PFHxA	104		25 - 150
13C4 PFHpA	107		25 - 150
13C4 PFOA	107		25 - 150
13C5 PFNA	106		25 - 150
13C2 PFDA	108		25 - 150
13C2 PFUnA	113		25 - 150
13C2 PFDoA	110		25 - 150
13C2 PFTeDA	106		25 - 150
13C3 PFBS	110		25 - 150
18O2 PFHxS	110		25 - 150
13C4 PFOS	112		25 - 150
13C8 FOSA	125		10 - 150
d3-NMeFOSAA	122		25 - 150
d5-NEtFOSAA	130		25 - 150
d-N-MeFOSA-M	96		10 - 150
d-N-EtFOSA-M	96		10 - 150
d7-N-MeFOSE-M	118		10 - 150
d9-N-EtFOSE-M	110		10 - 150
M2-4:2 FTS	100		25 - 150
M2-6:2 FTS	88		25 - 150
M2-8:2 FTS	94		25 - 150
13C3 HFPO-DA	100		25 - 150

Lab Sample ID: 500-237064-23 MS
Matrix: Water
Analysis Batch: 695039

Client Sample ID: MW-12
Prep Type: Total/NA
Prep Batch: 693847

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	10000	F2	2000	12700	4	ng/L		118	70 - 130
Perfluoropentanoic acid (PFPeA)	<120		2000	1690		ng/L		84	70 - 130
Perfluorohexanoic acid (PFHxA)	<150	F1	2000	2770	F1	ng/L		138	70 - 130
Perfluoroheptanoic acid (PFHpA)	290	J	2000	2010		ng/L		86	70 - 130
Perfluorooctanoic acid (PFOA)	8400		2000	9970	4	ng/L		79	70 - 130
Perfluorononanoic acid (PFNA)	<68		2000	2050		ng/L		103	70 - 130
Perfluorodecanoic acid (PFDA)	<78		2000	2040		ng/L		102	70 - 130
Perfluoroundecanoic acid (PFUnA)	<280		2000	2070		ng/L		104	70 - 130

Eurofins Chicago

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 500-237064-23 MS

Matrix: Water

Analysis Batch: 695039

Client Sample ID: MW-12

Prep Type: Total/NA

Prep Batch: 693847

Analyte	Sample	Sample Qualifier	Spike Added	MS	MS	Unit	D	%Rec	%Rec Limits
	Result			Result	Qualifier				
Perfluorododecanoic acid (PFDoA)	<140		2000	2110		ng/L		106	70 - 130
Perfluorotridecanoic acid (PFTriA)	<330		2000	1720		ng/L		86	70 - 130
Perfluorotetradecanoic acid (PFTeA)	<180		2000	1940		ng/L		97	70 - 130
Perfluorobutanesulfonic acid (PFBS)	<50	F1	1780	5310	I F1	ng/L		299	70 - 130
Perfluoropentanesulfonic acid (PFPeS)	<75		1880	2210		ng/L		117	70 - 130
Perfluorohexanesulfonic acid (PFHxS)	<140		1820	1680		ng/L		92	70 - 130
Perfluoroheptanesulfonic acid (PFHpS)	<48		1910	1780		ng/L		93	70 - 130
Perfluorooctanesulfonic acid (PFOS)	<140		1860	1920		ng/L		103	70 - 130
Perfluorononanesulfonic acid (PFNS)	<93		1920	2210		ng/L		115	70 - 130
Perfluorodecanesulfonic acid (PFDS)	<80		1930	1970		ng/L		102	70 - 130
Perfluorododecanesulfonic acid (PFDoS)	<240	F1	1940	1130	F1	ng/L		58	70 - 130
Perfluorooctanesulfonamide (FOSA)	<250		2000	1900		ng/L		95	70 - 130
NEtFOSA	<220		2000	2220		ng/L		111	70 - 130
NMeFOSA	<110		2000	2150		ng/L		107	70 - 130
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<300		2000	1820		ng/L		91	70 - 130
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<330		2000	1950		ng/L		97	70 - 130
NMeFOSE	<350		2000	1810		ng/L		91	70 - 130
NEtFOSE	<210		2000	1990		ng/L		99	70 - 130
4:2 FTS	<60		1880	1990	I	ng/L		106	70 - 130
6:2 FTS	<630		1900	2170		ng/L		114	70 - 130
8:2 FTS	<120		1920	1860		ng/L		97	70 - 130
DONA	<100		1890	1520		ng/L		80	70 - 130
HFPO-DA (GenX)	<380		2000	1920		ng/L		96	70 - 130
F-53B Major	<60		1870	1980		ng/L		106	70 - 130
F-53B Minor	<80		1890	1710		ng/L		91	70 - 130
MS MS									
Isotope Dilution	%Recovery	Qualifier	Limits						
13C4 PFBA	33		25 - 150						
13C5 PFPeA	69		25 - 150						
13C2 PFHxA	90		25 - 150						
13C4 PFHpA	102		25 - 150						
13C4 PFOA	113		25 - 150						
13C5 PFNA	121		25 - 150						
13C2 PFDA	135		25 - 150						
13C2 PFUnA	127		25 - 150						
13C2 PFDoA	107		25 - 150						
13C2 PFTeDA	64		25 - 150						
13C3 PFBS	98		25 - 150						

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 500-237064-23 MS
Matrix: Water
Analysis Batch: 695039

Client Sample ID: MW-12
Prep Type: Total/NA
Prep Batch: 693847

Isotope Dilution	MS MS		Limits
	%Recovery	Qualifier	
18O2 PFHxS	116		25 - 150
13C4 PFOS	114		25 - 150
13C8 FOSA	122		10 - 150
d3-NMeFOSAA	115		25 - 150
d5-NEtFOSAA	122		25 - 150
d-N-MeFOSA-M	89		10 - 150
d-N-EtFOSA-M	76		10 - 150
d7-N-MeFOSE-M	83		10 - 150
d9-N-EtFOSE-M	68		10 - 150
M2-4:2 FTS	125		25 - 150
M2-6:2 FTS	138		25 - 150
M2-8:2 FTS	171	*5+	25 - 150
13C3 HFPO-DA	105		25 - 150

Lab Sample ID: 500-237064-23 MSD
Matrix: Water
Analysis Batch: 695039

Client Sample ID: MW-12
Prep Type: Total/NA
Prep Batch: 693847

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD MSD		Unit	D	%Rec	%Rec		RPD	
				Result	Qualifier				Limits	RPD	Limit	
Perfluorobutanoic acid (PFBA)	10000	F2	2000	28300	4 F2	ng/L		899	70 - 130	76	30	
Perfluoropentanoic acid (PFPeA)	<120		2000	1830		ng/L		91	70 - 130	8	30	
Perfluorohexanoic acid (PFHxA)	<150	F1	2000	3520	F1	ng/L		176	70 - 130	24	30	
Perfluoroheptanoic acid (PFHpA)	290	J	2000	2000		ng/L		86	70 - 130	0	30	
Perfluorooctanoic acid (PFOA)	8400		2000	12600	4	ng/L		212	70 - 130	24	30	
Perfluorononanoic acid (PFNA)	<68		2000	2130		ng/L		106	70 - 130	4	30	
Perfluorodecanoic acid (PFDA)	<78		2000	2050		ng/L		102	70 - 130	0	30	
Perfluoroundecanoic acid (PFUnA)	<280		2000	2070		ng/L		104	70 - 130	0	30	
Perfluorododecanoic acid (PFDoA)	<140		2000	2040		ng/L		102	70 - 130	4	30	
Perfluorotridecanoic acid (PFTriA)	<330		2000	1510		ng/L		76	70 - 130	13	30	
Perfluorotetradecanoic acid (PFTeA)	<180		2000	2040		ng/L		102	70 - 130	5	30	
Perfluorobutanesulfonic acid (PFBS)	<50	F1	1780	6480	I F1	ng/L		365	70 - 130	20	30	
Perfluoropentanesulfonic acid (PFPeS)	<75		1880	2200		ng/L		117	70 - 130	0	30	
Perfluorohexanesulfonic acid (PFHxS)	<140		1820	1740		ng/L		96	70 - 130	4	30	
Perfluoroheptanesulfonic acid (PFHpS)	<48		1910	1890		ng/L		99	70 - 130	6	30	
Perfluorooctanesulfonic acid (PFOS)	<140		1860	1940		ng/L		104	70 - 130	1	30	
Perfluorononanesulfonic acid (PFNS)	<93		1920	2060		ng/L		107	70 - 130	7	30	
Perfluorodecanesulfonic acid (PFDS)	<80		1930	1800		ng/L		93	70 - 130	9	30	
Perfluorododecanesulfonic acid (PFDoS)	<240	F1	1940	1080	F1	ng/L		55	70 - 130	5	30	
Perfluorooctanesulfonamide (FOSA)	<250		2000	1810		ng/L		91	70 - 130	5	30	

Eurofins Chicago

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 500-237064-23 MSD
Matrix: Water
Analysis Batch: 695039

Client Sample ID: MW-12
Prep Type: Total/NA
Prep Batch: 693847

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
NEtFOSA	<220		2000	1990		ng/L		99	70 - 130	11	30
NMeFOSA	<110		2000	2450		ng/L		122	70 - 130	13	30
N-methylperfluorooctanesulfona midoacetic acid (NMeFOSAA)	<300		2000	2090		ng/L		105	70 - 130	14	30
N-ethylperfluorooctanesulfonami doacetic acid (NEtFOSAA)	<330		2000	2040		ng/L		102	70 - 130	5	30
NMeFOSE	<350		2000	1860		ng/L		93	70 - 130	3	30
NEtFOSE	<210		2000	1890		ng/L		95	70 - 130	5	30
4:2 FTS	<60		1880	2370	I	ng/L		126	70 - 130	17	30
6:2 FTS	<630		1900	2010		ng/L		106	70 - 130	7	30
8:2 FTS	<120		1920	1710		ng/L		89	70 - 130	8	30
DONA	<100		1890	1480		ng/L		78	70 - 130	2	30
HFPO-DA (GenX)	<380		2000	2400		ng/L		120	70 - 130	22	30
F-53B Major	<60		1870	1970		ng/L		105	70 - 130	1	30
F-53B Minor	<80		1890	1620		ng/L		86	70 - 130	6	30

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
13C4 PFBA	23	*5-	25 - 150
13C5 PFPeA	63		25 - 150
13C2 PFHxA	88		25 - 150
13C4 PFHpA	103		25 - 150
13C4 PFOA	108		25 - 150
13C5 PFNA	127		25 - 150
13C2 PFDA	137		25 - 150
13C2 PFUnA	133		25 - 150
13C2 PFDoA	112		25 - 150
13C2 PFTeDA	60		25 - 150
13C3 PFBS	99		25 - 150
18O2 PFHxS	117		25 - 150
13C4 PFOS	122		25 - 150
13C8 FOSA	131		10 - 150
d3-NMeFOSAA	114		25 - 150
d5-NEtFOSAA	121		25 - 150
d-N-MeFOSA-M	95		10 - 150
d-N-EtFOSA-M	85		10 - 150
d7-N-MeFOSE-M	91		10 - 150
d9-N-EtFOSE-M	71		10 - 150
M2-4:2 FTS	118		25 - 150
M2-6:2 FTS	153	*5+	25 - 150
M2-8:2 FTS	183	*5+	25 - 150
13C3 HFPO-DA	89		25 - 150

Lab Sample ID: MB 320-693849/1-A
Matrix: Water
Analysis Batch: 694223

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 693849

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.4		5.0	2.4	ng/L		07/26/23 05:35	07/28/23 00:27	1
Perfluoropentanoic acid (PFPeA)	<0.49		2.0	0.49	ng/L		07/26/23 05:35	07/28/23 00:27	1

Euofins Chicago

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: MB 320-693849/1-A
Matrix: Water
Analysis Batch: 694223

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 693849

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Perfluorohexanoic acid (PFHxA)	<0.58		2.0	0.58	ng/L		07/26/23 05:35	07/28/23 00:27	1
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		07/26/23 05:35	07/28/23 00:27	1
Perfluorooctanoic acid (PFOA)	<0.85		2.0	0.85	ng/L		07/26/23 05:35	07/28/23 00:27	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		07/26/23 05:35	07/28/23 00:27	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		07/26/23 05:35	07/28/23 00:27	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		07/26/23 05:35	07/28/23 00:27	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		07/26/23 05:35	07/28/23 00:27	1
Perfluorotridecanoic acid (PFTriA)	<1.3		2.0	1.3	ng/L		07/26/23 05:35	07/28/23 00:27	1
Perfluorotetradecanoic acid (PFTeA)	<0.73		2.0	0.73	ng/L		07/26/23 05:35	07/28/23 00:27	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		07/26/23 05:35	07/28/23 00:27	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		07/26/23 05:35	07/28/23 00:27	1
Perfluorohexanesulfonic acid (PFHxS)	<0.57		2.0	0.57	ng/L		07/26/23 05:35	07/28/23 00:27	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		07/26/23 05:35	07/28/23 00:27	1
Perfluorooctanesulfonic acid (PFOS)	<0.54		2.0	0.54	ng/L		07/26/23 05:35	07/28/23 00:27	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		07/26/23 05:35	07/28/23 00:27	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		07/26/23 05:35	07/28/23 00:27	1
Perfluorododecanesulfonic acid (PFDoS)	<0.97		2.0	0.97	ng/L		07/26/23 05:35	07/28/23 00:27	1
Perfluorooctanesulfonamide (FOSA)	<0.98		2.0	0.98	ng/L		07/26/23 05:35	07/28/23 00:27	1
NEtFOSA	<0.87		2.0	0.87	ng/L		07/26/23 05:35	07/28/23 00:27	1
NMeFOSA	<0.43		2.0	0.43	ng/L		07/26/23 05:35	07/28/23 00:27	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<1.2		5.0	1.2	ng/L		07/26/23 05:35	07/28/23 00:27	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<1.3		5.0	1.3	ng/L		07/26/23 05:35	07/28/23 00:27	1
NMeFOSE	<1.4		4.0	1.4	ng/L		07/26/23 05:35	07/28/23 00:27	1
NEtFOSE	<0.85		2.0	0.85	ng/L		07/26/23 05:35	07/28/23 00:27	1
4:2 FTS	<0.24		2.0	0.24	ng/L		07/26/23 05:35	07/28/23 00:27	1
6:2 FTS	<2.5		5.0	2.5	ng/L		07/26/23 05:35	07/28/23 00:27	1
8:2 FTS	<0.46		2.0	0.46	ng/L		07/26/23 05:35	07/28/23 00:27	1
DONA	<0.40		2.0	0.40	ng/L		07/26/23 05:35	07/28/23 00:27	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		07/26/23 05:35	07/28/23 00:27	1
F-53B Major	<0.24		2.0	0.24	ng/L		07/26/23 05:35	07/28/23 00:27	1
F-53B Minor	<0.32		2.0	0.32	ng/L		07/26/23 05:35	07/28/23 00:27	1

Isotope Dilution	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
13C4 PFBA	106		25 - 150	07/26/23 05:35	07/28/23 00:27	1
13C5 PFPeA	108		25 - 150	07/26/23 05:35	07/28/23 00:27	1
13C2 PFHxA	105		25 - 150	07/26/23 05:35	07/28/23 00:27	1
13C4 PFHpA	105		25 - 150	07/26/23 05:35	07/28/23 00:27	1
13C4 PFOA	111		25 - 150	07/26/23 05:35	07/28/23 00:27	1
13C5 PFNA	112		25 - 150	07/26/23 05:35	07/28/23 00:27	1
13C2 PFDA	118		25 - 150	07/26/23 05:35	07/28/23 00:27	1
13C2 PFUnA	121		25 - 150	07/26/23 05:35	07/28/23 00:27	1
13C2 PFDoA	117		25 - 150	07/26/23 05:35	07/28/23 00:27	1
13C2 PFTeDA	118		25 - 150	07/26/23 05:35	07/28/23 00:27	1
13C3 PFBS	112		25 - 150	07/26/23 05:35	07/28/23 00:27	1
18O2 PFHxS	111		25 - 150	07/26/23 05:35	07/28/23 00:27	1

Eurofins Chicago

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: MB 320-693849/1-A
Matrix: Water
Analysis Batch: 694223

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 693849

Isotope Dilution	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
13C4 PFOS	117		25 - 150	07/26/23 05:35	07/28/23 00:27	1
13C8 FOSA	136		10 - 150	07/26/23 05:35	07/28/23 00:27	1
d3-NMeFOSAA	139		25 - 150	07/26/23 05:35	07/28/23 00:27	1
d5-NEtFOSAA	142		25 - 150	07/26/23 05:35	07/28/23 00:27	1
d-N-MeFOSA-M	110		10 - 150	07/26/23 05:35	07/28/23 00:27	1
d-N-EtFOSA-M	108		10 - 150	07/26/23 05:35	07/28/23 00:27	1
d7-N-MeFOSE-M	132		10 - 150	07/26/23 05:35	07/28/23 00:27	1
d9-N-EtFOSE-M	125		10 - 150	07/26/23 05:35	07/28/23 00:27	1
M2-4:2 FTS	96		25 - 150	07/26/23 05:35	07/28/23 00:27	1
M2-6:2 FTS	95		25 - 150	07/26/23 05:35	07/28/23 00:27	1
M2-8:2 FTS	96		25 - 150	07/26/23 05:35	07/28/23 00:27	1
13C3 HFPO-DA	106		25 - 150	07/26/23 05:35	07/28/23 00:27	1

Lab Sample ID: LCS 320-693849/2-A
Matrix: Water
Analysis Batch: 694223

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 693849

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec
							Limits
Perfluorobutanoic acid (PFBA)	40.0	41.7		ng/L		104	60 - 135
Perfluoropentanoic acid (PFPeA)	40.0	41.7		ng/L		104	60 - 135
Perfluorohexanoic acid (PFHxA)	40.0	42.3		ng/L		106	60 - 135
Perfluoroheptanoic acid (PFHpA)	40.0	40.8		ng/L		102	60 - 135
Perfluorooctanoic acid (PFOA)	40.0	38.8		ng/L		97	60 - 135
Perfluorononanoic acid (PFNA)	40.0	45.1		ng/L		113	60 - 135
Perfluorodecanoic acid (PFDA)	40.0	41.6		ng/L		104	60 - 135
Perfluoroundecanoic acid (PFUnA)	40.0	40.4		ng/L		101	60 - 135
Perfluorododecanoic acid (PFDoA)	40.0	44.5		ng/L		111	60 - 135
Perfluorotridecanoic acid (PFTriA)	40.0	41.9		ng/L		105	60 - 135
Perfluorotetradecanoic acid (PFTeA)	40.0	40.1		ng/L		100	60 - 135
Perfluorobutanesulfonic acid (PFBS)	35.5	36.1		ng/L		102	60 - 135
Perfluoropentanesulfonic acid (PFPeS)	37.6	37.9		ng/L		101	60 - 135
Perfluorohexanesulfonic acid (PFHxS)	36.5	33.5		ng/L		92	60 - 135
Perfluoroheptanesulfonic acid (PFHpS)	38.2	38.7		ng/L		101	60 - 135
Perfluorooctanesulfonic acid (PFOS)	37.2	39.4		ng/L		106	60 - 135
Perfluorononanesulfonic acid (PFNS)	38.5	40.0		ng/L		104	60 - 135
Perfluorodecanesulfonic acid (PFDS)	38.6	41.8		ng/L		108	60 - 135
Perfluorododecanesulfonic acid (PFDoS)	38.8	36.6		ng/L		94	60 - 135
Perfluorooctanesulfonamide (FOSA)	40.0	38.2		ng/L		96	60 - 135
NEtFOSA	40.0	39.2		ng/L		98	60 - 135

Eurofins Chicago

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-693849/2-A
Matrix: Water
Analysis Batch: 694223

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 693849

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
NMeFOSA	40.0	40.6		ng/L		102	60 - 135
N-methylperfluorooctanesulfona midoacetic acid (NMeFOSAA)	40.0	39.9		ng/L		100	60 - 135
N-ethylperfluorooctanesulfonami doacetic acid (NEtFOSAA)	40.0	39.3		ng/L		98	60 - 135
NMeFOSE	40.0	40.2		ng/L		100	60 - 135
NEtFOSE	40.0	40.4		ng/L		101	60 - 135
4:2 FTS	37.5	38.0		ng/L		101	60 - 135
6:2 FTS	38.1	36.9		ng/L		97	60 - 135
8:2 FTS	38.4	37.4		ng/L		97	60 - 135
DONA	37.8	41.1		ng/L		109	60 - 135
HFPO-DA (GenX)	40.0	42.5		ng/L		106	60 - 135
F-53B Major	37.4	37.1		ng/L		99	60 - 135
F-53B Minor	37.8	38.5		ng/L		102	60 - 135

Isotope Dilution	LCS LCS		Limits
	%Recovery	Qualifier	
13C4 PFBA	108		25 - 150
13C5 PFPeA	107		25 - 150
13C2 PFHxA	103		25 - 150
13C4 PFHpA	107		25 - 150
13C4 PFOA	108		25 - 150
13C5 PFNA	106		25 - 150
13C2 PFDA	110		25 - 150
13C2 PFUnA	115		25 - 150
13C2 PFDoA	114		25 - 150
13C2 PFTeDA	115		25 - 150
13C3 PFBS	109		25 - 150
18O2 PFHxS	110		25 - 150
13C4 PFOS	110		25 - 150
13C8 FOSA	128		10 - 150
d3-NMeFOSAA	130		25 - 150
d5-NEtFOSAA	127		25 - 150
d-N-MeFOSA-M	110		10 - 150
d-N-EtFOSA-M	104		10 - 150
d7-N-MeFOSE-M	128		10 - 150
d9-N-EtFOSE-M	121		10 - 150
M2-4:2 FTS	93		25 - 150
M2-6:2 FTS	91		25 - 150
M2-8:2 FTS	92		25 - 150
13C3 HFPO-DA	103		25 - 150

Lab Sample ID: 500-237064-40 MS
Matrix: Water
Analysis Batch: 694223

Client Sample ID: MW-226
Prep Type: Total/NA
Prep Batch: 693849

Analyte	Sample Result	Sample Qualifier	Spike Added	MS MS		Unit	D	%Rec	%Rec Limits
				Result	Qualifier				
Perfluorobutanoic acid (PFBA)	14	J	200	229		ng/L		108	70 - 130
Perfluoropentanoic acid (PFPeA)	8.2	J	200	207		ng/L		100	70 - 130
Perfluorohexanoic acid (PFHxA)	13		200	222		ng/L		105	70 - 130

Eurofins Chicago

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 500-237064-40 MS

Matrix: Water

Analysis Batch: 694223

Client Sample ID: MW-226

Prep Type: Total/NA

Prep Batch: 693849

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec Limits
	Result	Qualifier	Added	Result	Qualifier				
Perfluoroheptanoic acid (PFHpA)	13		200	225		ng/L		106	70 - 130
Perfluorooctanoic acid (PFOA)	210		200	402		ng/L		95	70 - 130
Perfluorononanoic acid (PFNA)	<1.4		200	221		ng/L		111	70 - 130
Perfluorodecanoic acid (PFDA)	<1.6		200	208		ng/L		104	70 - 130
Perfluoroundecanoic acid (PFUnA)	<5.5		200	208		ng/L		104	70 - 130
Perfluorododecanoic acid (PFDoA)	<2.8		200	220		ng/L		110	70 - 130
Perfluorotridecanoic acid (PFTriA)	<6.5		200	212		ng/L		106	70 - 130
Perfluorotetradecanoic acid (PFTeA)	<3.7		200	208		ng/L		104	70 - 130
Perfluorobutanesulfonic acid (PFBS)	2.0	J	178	186		ng/L		104	70 - 130
Perfluoropentanesulfonic acid (PFPeS)	<1.5		188	188		ng/L		100	70 - 130
Perfluorohexanesulfonic acid (PFHxS)	<2.9		182	176		ng/L		96	70 - 130
Perfluoroheptanesulfonic acid (PFHpS)	<0.95		191	188		ng/L		99	70 - 130
Perfluorooctanesulfonic acid (PFOS)	<2.7		186	192		ng/L		103	70 - 130
Perfluorononanesulfonic acid (PFNS)	<1.9		192	194		ng/L		101	70 - 130
Perfluorodecanesulfonic acid (PFDS)	<1.6		193	204		ng/L		106	70 - 130
Perfluorododecanesulfonic acid (PFDoS)	<4.9		194	176		ng/L		91	70 - 130
Perfluorooctanesulfonamide (FOSA)	<4.9		200	191		ng/L		95	70 - 130
NEtFOSA	<4.4		200	208		ng/L		104	70 - 130
NMeFOSA	<2.2		200	216		ng/L		108	70 - 130
N-methylperfluorooctanesulfonamide acetic acid (NMeFOSAA)	<6.0		200	192		ng/L		96	70 - 130
N-ethylperfluorooctanesulfonamide acetic acid (NEtFOSAA)	<6.5		200	193		ng/L		96	70 - 130
NMeFOSE	<7.0		200	200		ng/L		100	70 - 130
NEtFOSE	<4.3		200	193		ng/L		97	70 - 130
4:2 FTS	<1.2		188	184		ng/L		98	70 - 130
6:2 FTS	<13		190	181		ng/L		95	70 - 130
8:2 FTS	<2.3		192	194		ng/L		101	70 - 130
DONA	<2.0		189	191		ng/L		101	70 - 130
HFPO-DA (GenX)	<7.5		200	210		ng/L		105	70 - 130
F-53B Major	<1.2		187	169		ng/L		90	70 - 130
F-53B Minor	<1.6		189	181		ng/L		96	70 - 130
	MS MS								
Isotope Dilution	%Recovery	Qualifier	Limits						
13C4 PFBA	103		25 - 150						
13C5 PFPeA	110		25 - 150						
13C2 PFHxA	104		25 - 150						
13C4 PFHpA	105		25 - 150						
13C4 PFOA	108		25 - 150						

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 500-237064-40 MS
Matrix: Water
Analysis Batch: 694223

Client Sample ID: MW-226
Prep Type: Total/NA
Prep Batch: 693849

Isotope Dilution	MS MS		Limits
	%Recovery	Qualifier	
13C5 PFNA	108		25 - 150
13C2 PFDA	108		25 - 150
13C2 PFUnA	111		25 - 150
13C2 PFDoA	109		25 - 150
13C2 PFTeDA	113		25 - 150
13C3 PFBS	116		25 - 150
18O2 PFHxS	114		25 - 150
13C4 PFOS	119		25 - 150
13C8 FOSA	133		10 - 150
d3-NMeFOSAA	121		25 - 150
d5-NEtFOSAA	126		25 - 150
d-N-MeFOSA-M	96		10 - 150
d-N-EtFOSA-M	95		10 - 150
d7-N-MeFOSE-M	118		10 - 150
d9-N-EtFOSE-M	115		10 - 150
M2-4:2 FTS	93		25 - 150
M2-6:2 FTS	89		25 - 150
M2-8:2 FTS	87		25 - 150
13C3 HFPO-DA	101		25 - 150

Lab Sample ID: 500-237064-40 MSD
Matrix: Water
Analysis Batch: 694223

Client Sample ID: MW-226
Prep Type: Total/NA
Prep Batch: 693849

Analyte	Sample	Sample	Spike	MSD		Unit	D	%Rec	%Rec		RPD	
	Result	Qualifier		Result	Qualifier				Limits	RPD	Limit	
Perfluorobutanoic acid (PFBA)	14	J	200	238		ng/L		112	70 - 130	4	30	
Perfluoropentanoic acid (PFPeA)	8.2	J	200	209		ng/L		100	70 - 130	1	30	
Perfluorohexanoic acid (PFHxA)	13		200	223		ng/L		105	70 - 130	0	30	
Perfluoroheptanoic acid (PFHpA)	13		200	229		ng/L		108	70 - 130	2	30	
Perfluorooctanoic acid (PFOA)	210		200	396		ng/L		92	70 - 130	2	30	
Perfluorononanoic acid (PFNA)	<1.4		200	229		ng/L		114	70 - 130	3	30	
Perfluorodecanoic acid (PFDA)	<1.6		200	212		ng/L		106	70 - 130	2	30	
Perfluoroundecanoic acid (PFUnA)	<5.5		200	212		ng/L		106	70 - 130	2	30	
Perfluorododecanoic acid (PFDoA)	<2.8		200	222		ng/L		111	70 - 130	1	30	
Perfluorotridecanoic acid (PFTriA)	<6.5		200	214		ng/L		107	70 - 130	1	30	
Perfluorotetradecanoic acid (PFTeA)	<3.7		200	205		ng/L		103	70 - 130	2	30	
Perfluorobutanesulfonic acid (PFBS)	2.0	J	178	192		ng/L		107	70 - 130	3	30	
Perfluoropentanesulfonic acid (PFPeS)	<1.5		188	196		ng/L		104	70 - 130	4	30	
Perfluorohexanesulfonic acid (PFHxS)	<2.9		182	174		ng/L		95	70 - 130	1	30	
Perfluoroheptanesulfonic acid (PFHpS)	<0.95		191	200		ng/L		105	70 - 130	6	30	
Perfluorooctanesulfonic acid (PFOS)	<2.7		186	199		ng/L		107	70 - 130	4	30	

Eurofins Chicago

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 500-237064-40 MSD
Matrix: Water
Analysis Batch: 694223

Client Sample ID: MW-226
Prep Type: Total/NA
Prep Batch: 693849

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorononanesulfonic acid (PFNS)	<1.9		192	201		ng/L		105	70 - 130	4	30
Perfluorodecanesulfonic acid (PFDS)	<1.6		193	208		ng/L		108	70 - 130	2	30
Perfluorododecanesulfonic acid (PFDoS)	<4.9		194	173		ng/L		89	70 - 130	2	30
Perfluorooctanesulfonamide (FOSA)	<4.9		200	211		ng/L		105	70 - 130	10	30
NEtFOSA	<4.4		200	200		ng/L		100	70 - 130	4	30
NMeFOSA	<2.2		200	217		ng/L		109	70 - 130	0	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<6.0		200	199		ng/L		99	70 - 130	4	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<6.5		200	193		ng/L		96	70 - 130	0	30
NMeFOSE	<7.0		200	206		ng/L		103	70 - 130	3	30
NEtFOSE	<4.3		200	188		ng/L		94	70 - 130	3	30
4:2 FTS	<1.2		188	200		ng/L		106	70 - 130	8	30
6:2 FTS	<13		190	190		ng/L		100	70 - 130	5	30
8:2 FTS	<2.3		192	189		ng/L		99	70 - 130	2	30
DONA	<2.0		189	201		ng/L		106	70 - 130	5	30
HFPO-DA (GenX)	<7.5		200	214		ng/L		107	70 - 130	2	30
F-53B Major	<1.2		187	175		ng/L		94	70 - 130	4	30
F-53B Minor	<1.6		189	178		ng/L		94	70 - 130	1	30

Isotope Dilution	MSD MSD		Limits
	%Recovery	Qualifier	
13C4 PFBA	98		25 - 150
13C5 PFPeA	107		25 - 150
13C2 PFHxA	102		25 - 150
13C4 PFHpA	102		25 - 150
13C4 PFOA	107		25 - 150
13C5 PFNA	105		25 - 150
13C2 PFDA	107		25 - 150
13C2 PFUnA	107		25 - 150
13C2 PFDoA	103		25 - 150
13C2 PFTeDA	106		25 - 150
13C3 PFBS	110		25 - 150
18O2 PFHxS	112		25 - 150
13C4 PFOS	112		25 - 150
13C8 FOSA	128		10 - 150
d3-NMeFOSAA	113		25 - 150
d5-NEtFOSAA	120		25 - 150
d-N-MeFOSA-M	91		10 - 150
d-N-EtFOSA-M	89		10 - 150
d7-N-MeFOSE-M	107		10 - 150
d9-N-EtFOSE-M	104		10 - 150
M2-4:2 FTS	88		25 - 150
M2-6:2 FTS	85		25 - 150
M2-8:2 FTS	83		25 - 150
13C3 HFPO-DA	99		25 - 150

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: MB 320-694112/1-A
Matrix: Water
Analysis Batch: 694464

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 694112

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Perfluorobutanoic acid (PFBA)	<2.4		5.0	2.4	ng/L		07/26/23 20:59	07/28/23 04:16	1
Perfluoropentanoic acid (PFPeA)	<0.49		2.0	0.49	ng/L		07/26/23 20:59	07/28/23 04:16	1
Perfluorohexanoic acid (PFHxA)	<0.58		2.0	0.58	ng/L		07/26/23 20:59	07/28/23 04:16	1
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		07/26/23 20:59	07/28/23 04:16	1
Perfluorooctanoic acid (PFOA)	<0.85		2.0	0.85	ng/L		07/26/23 20:59	07/28/23 04:16	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		07/26/23 20:59	07/28/23 04:16	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		07/26/23 20:59	07/28/23 04:16	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		07/26/23 20:59	07/28/23 04:16	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		07/26/23 20:59	07/28/23 04:16	1
Perfluorotridecanoic acid (PFTriA)	<1.3		2.0	1.3	ng/L		07/26/23 20:59	07/28/23 04:16	1
Perfluorotetradecanoic acid (PFTeA)	<0.73		2.0	0.73	ng/L		07/26/23 20:59	07/28/23 04:16	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		07/26/23 20:59	07/28/23 04:16	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		07/26/23 20:59	07/28/23 04:16	1
Perfluorohexanesulfonic acid (PFHxS)	<0.57		2.0	0.57	ng/L		07/26/23 20:59	07/28/23 04:16	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		07/26/23 20:59	07/28/23 04:16	1
Perfluorooctanesulfonic acid (PFOS)	<0.54		2.0	0.54	ng/L		07/26/23 20:59	07/28/23 04:16	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		07/26/23 20:59	07/28/23 04:16	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		07/26/23 20:59	07/28/23 04:16	1
Perfluorododecanesulfonic acid (PFDoS)	<0.97		2.0	0.97	ng/L		07/26/23 20:59	07/28/23 04:16	1
Perfluorooctanesulfonamide (FOSA)	<0.98		2.0	0.98	ng/L		07/26/23 20:59	07/28/23 04:16	1
NEtFOSA	<0.87		2.0	0.87	ng/L		07/26/23 20:59	07/28/23 04:16	1
NMeFOSA	<0.43		2.0	0.43	ng/L		07/26/23 20:59	07/28/23 04:16	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<1.2		5.0	1.2	ng/L		07/26/23 20:59	07/28/23 04:16	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<1.3		5.0	1.3	ng/L		07/26/23 20:59	07/28/23 04:16	1
NMeFOSE	<1.4		4.0	1.4	ng/L		07/26/23 20:59	07/28/23 04:16	1
NEtFOSE	<0.85		2.0	0.85	ng/L		07/26/23 20:59	07/28/23 04:16	1
4:2 FTS	<0.24		2.0	0.24	ng/L		07/26/23 20:59	07/28/23 04:16	1
6:2 FTS	<2.5		5.0	2.5	ng/L		07/26/23 20:59	07/28/23 04:16	1
8:2 FTS	<0.46		2.0	0.46	ng/L		07/26/23 20:59	07/28/23 04:16	1
DONA	<0.40		2.0	0.40	ng/L		07/26/23 20:59	07/28/23 04:16	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		07/26/23 20:59	07/28/23 04:16	1
F-53B Major	<0.24		2.0	0.24	ng/L		07/26/23 20:59	07/28/23 04:16	1
F-53B Minor	<0.32		2.0	0.32	ng/L		07/26/23 20:59	07/28/23 04:16	1

Isotope Dilution	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
13C4 PFBA	110		25 - 150	07/26/23 20:59	07/28/23 04:16	1
13C5 PFPeA	113		25 - 150	07/26/23 20:59	07/28/23 04:16	1
13C2 PFHxA	122		25 - 150	07/26/23 20:59	07/28/23 04:16	1
13C4 PFHpA	120		25 - 150	07/26/23 20:59	07/28/23 04:16	1
13C4 PFOA	114		25 - 150	07/26/23 20:59	07/28/23 04:16	1
13C5 PFNA	120		25 - 150	07/26/23 20:59	07/28/23 04:16	1
13C2 PFDA	124		25 - 150	07/26/23 20:59	07/28/23 04:16	1
13C2 PFUnA	116		25 - 150	07/26/23 20:59	07/28/23 04:16	1
13C2 PFDoA	111		25 - 150	07/26/23 20:59	07/28/23 04:16	1
13C2 PFTeDA	103		25 - 150	07/26/23 20:59	07/28/23 04:16	1

Eurofins Chicago

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: MB 320-694112/1-A
Matrix: Water
Analysis Batch: 694464

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 694112

Isotope Dilution	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
13C3 PFBS	114		25 - 150	07/26/23 20:59	07/28/23 04:16	1
18O2 PFHxS	118		25 - 150	07/26/23 20:59	07/28/23 04:16	1
13C4 PFOS	112		25 - 150	07/26/23 20:59	07/28/23 04:16	1
13C8 FOSA	115		10 - 150	07/26/23 20:59	07/28/23 04:16	1
d3-NMeFOSAA	126		25 - 150	07/26/23 20:59	07/28/23 04:16	1
d5-NEtFOSAA	123		25 - 150	07/26/23 20:59	07/28/23 04:16	1
d-N-MeFOSA-M	90		10 - 150	07/26/23 20:59	07/28/23 04:16	1
d-N-EtFOSA-M	92		10 - 150	07/26/23 20:59	07/28/23 04:16	1
d7-N-MeFOSE-M	104		10 - 150	07/26/23 20:59	07/28/23 04:16	1
d9-N-EtFOSE-M	102		10 - 150	07/26/23 20:59	07/28/23 04:16	1
M2-4:2 FTS	113		25 - 150	07/26/23 20:59	07/28/23 04:16	1
M2-6:2 FTS	122		25 - 150	07/26/23 20:59	07/28/23 04:16	1
M2-8:2 FTS	123		25 - 150	07/26/23 20:59	07/28/23 04:16	1
13C3 HFPO-DA	106		25 - 150	07/26/23 20:59	07/28/23 04:16	1

Lab Sample ID: LCS 320-694112/2-A
Matrix: Water
Analysis Batch: 694464

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 694112

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec
							Limits
Perfluorobutanoic acid (PFBA)	40.0	39.2		ng/L		98	60 - 135
Perfluoropentanoic acid (PFPeA)	40.0	37.1		ng/L		93	60 - 135
Perfluorohexanoic acid (PFHxA)	40.0	36.4		ng/L		91	60 - 135
Perfluoroheptanoic acid (PFHpA)	40.0	34.4		ng/L		86	60 - 135
Perfluorooctanoic acid (PFOA)	40.0	35.6		ng/L		89	60 - 135
Perfluorononanoic acid (PFNA)	40.0	40.3		ng/L		101	60 - 135
Perfluorodecanoic acid (PFDA)	40.0	37.2		ng/L		93	60 - 135
Perfluoroundecanoic acid (PFUnA)	40.0	37.0		ng/L		93	60 - 135
Perfluorododecanoic acid (PFDoA)	40.0	39.2		ng/L		98	60 - 135
Perfluorotridecanoic acid (PFTriA)	40.0	36.8		ng/L		92	60 - 135
Perfluorotetradecanoic acid (PFTeA)	40.0	36.8		ng/L		92	60 - 135
Perfluorobutanesulfonic acid (PFBS)	35.5	32.1		ng/L		90	60 - 135
Perfluoropentanesulfonic acid (PFPeS)	37.6	35.5		ng/L		95	60 - 135
Perfluorohexanesulfonic acid (PFHxS)	36.5	32.9		ng/L		90	60 - 135
Perfluoroheptanesulfonic acid (PFHpS)	38.2	34.8		ng/L		91	60 - 135
Perfluorooctanesulfonic acid (PFOS)	37.2	35.4		ng/L		95	60 - 135
Perfluorononanesulfonic acid (PFNS)	38.5	38.4		ng/L		100	60 - 135
Perfluorodecanesulfonic acid (PFDS)	38.6	36.5		ng/L		95	60 - 135
Perfluorododecanesulfonic acid (PFDoS)	38.8	32.5		ng/L		84	60 - 135

Eurofins Chicago

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-694112/2-A
Matrix: Water
Analysis Batch: 694464

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 694112

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorooctanesulfonamide (FOSA)	40.0	35.4		ng/L		89	60 - 135
NEtFOSA	40.0	36.1		ng/L		90	60 - 135
NMeFOSA	40.0	37.7		ng/L		94	60 - 135
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	40.0	35.5		ng/L		89	60 - 135
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	40.0	36.4		ng/L		91	60 - 135
NMeFOSE	40.0	37.8		ng/L		95	60 - 135
NEtFOSE	40.0	35.0		ng/L		88	60 - 135
4:2 FTS	37.5	37.4		ng/L		100	60 - 135
6:2 FTS	38.1	36.1		ng/L		95	60 - 135
8:2 FTS	38.4	39.4		ng/L		103	60 - 135
DONA	37.8	37.4		ng/L		99	60 - 135
HFPO-DA (GenX)	40.0	39.6		ng/L		99	60 - 135
F-53B Major	37.4	33.1		ng/L		88	60 - 135
F-53B Minor	37.8	33.7		ng/L		89	60 - 135

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
13C4 PFBA	116		25 - 150
13C5 PFPeA	121		25 - 150
13C2 PFHxA	124		25 - 150
13C4 PFHpA	129		25 - 150
13C4 PFOA	121		25 - 150
13C5 PFNA	122		25 - 150
13C2 PFDA	125		25 - 150
13C2 PFUnA	114		25 - 150
13C2 PFDoA	110		25 - 150
13C2 PFTeDA	93		25 - 150
13C3 PFBS	120		25 - 150
18O2 PFHxS	127		25 - 150
13C4 PFOS	117		25 - 150
13C8 FOSA	117		10 - 150
d3-NMeFOSAA	129		25 - 150
d5-NEtFOSAA	120		25 - 150
d-N-MeFOSA-M	95		10 - 150
d-N-EtFOSA-M	101		10 - 150
d7-N-MeFOSE-M	107		10 - 150
d9-N-EtFOSE-M	106		10 - 150
M2-4:2 FTS	116		25 - 150
M2-6:2 FTS	111		25 - 150
M2-8:2 FTS	117		25 - 150
13C3 HFPO-DA	116		25 - 150

Lab Sample ID: LCSD 320-694112/3-A
Matrix: Water
Analysis Batch: 694464

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 694112

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	40.0	42.2		ng/L		105	60 - 135	7	30

Eurofins Chicago

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCSD 320-694112/3-A
Matrix: Water
Analysis Batch: 694464

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 694112

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluoropentanoic acid (PFPeA)	40.0	37.3		ng/L		93	60 - 135	0	30
Perfluorohexanoic acid (PFHxA)	40.0	36.5		ng/L		91	60 - 135	0	30
Perfluoroheptanoic acid (PFHpA)	40.0	37.0		ng/L		93	60 - 135	7	30
Perfluorooctanoic acid (PFOA)	40.0	35.2		ng/L		88	60 - 135	1	30
Perfluorononanoic acid (PFNA)	40.0	40.6		ng/L		102	60 - 135	1	30
Perfluorodecanoic acid (PFDA)	40.0	40.4		ng/L		101	60 - 135	8	30
Perfluoroundecanoic acid (PFUnA)	40.0	38.6		ng/L		97	60 - 135	4	30
Perfluorododecanoic acid (PFDoA)	40.0	37.2		ng/L		93	60 - 135	5	30
Perfluorotridecanoic acid (PFTriA)	40.0	36.9		ng/L		92	60 - 135	0	30
Perfluorotetradecanoic acid (PFTeA)	40.0	37.0		ng/L		92	60 - 135	1	30
Perfluorobutanesulfonic acid (PFBS)	35.5	31.3		ng/L		88	60 - 135	2	30
Perfluoropentanesulfonic acid (PFPeS)	37.6	37.4		ng/L		100	60 - 135	5	30
Perfluorohexanesulfonic acid (PFHxS)	36.5	31.6		ng/L		87	60 - 135	4	30
Perfluoroheptanesulfonic acid (PFHpS)	38.2	36.5		ng/L		96	60 - 135	5	30
Perfluorooctanesulfonic acid (PFOS)	37.2	34.1		ng/L		92	60 - 135	4	30
Perfluorononanesulfonic acid (PFNS)	38.5	35.8		ng/L		93	60 - 135	7	30
Perfluorodecanesulfonic acid (PFDS)	38.6	36.7		ng/L		95	60 - 135	1	30
Perfluorododecanesulfonic acid (PFDoS)	38.8	34.1		ng/L		88	60 - 135	5	30
Perfluorooctanesulfonamide (FOSA)	40.0	38.1		ng/L		95	60 - 135	7	30
NEtFOSA	40.0	36.5		ng/L		91	60 - 135	1	30
NMeFOSA	40.0	39.8		ng/L		100	60 - 135	5	30
N-methylperfluorooctanesulfonamide acetic acid (NMeFOSAA)	40.0	35.5		ng/L		89	60 - 135	0	30
N-ethylperfluorooctanesulfonamide acetic acid (NEtFOSAA)	40.0	35.6		ng/L		89	60 - 135	2	30
NMeFOSE	40.0	36.9		ng/L		92	60 - 135	2	30
NEtFOSE	40.0	37.4		ng/L		93	60 - 135	6	30
4:2 FTS	37.5	36.1		ng/L		96	60 - 135	4	30
6:2 FTS	38.1	35.7		ng/L		94	60 - 135	1	30
8:2 FTS	38.4	38.1		ng/L		99	60 - 135	3	30
DONA	37.8	37.4		ng/L		99	60 - 135	0	30
HFPO-DA (GenX)	40.0	38.4		ng/L		96	60 - 135	3	30
F-53B Major	37.4	34.4		ng/L		92	60 - 135	4	30
F-53B Minor	37.8	36.2		ng/L		96	60 - 135	7	30

Isotope Dilution	LCSD %Recovery	LCSD Qualifier	LCSD Limits
13C4 PFBA	109		25 - 150
13C5 PFPeA	112		25 - 150
13C2 PFHxA	116		25 - 150

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCSD 320-694112/3-A
Matrix: Water
Analysis Batch: 694464

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 694112

Isotope Dilution	LCSD LCSD		Limits
	%Recovery	Qualifier	
13C4 PFHpA	126		25 - 150
13C4 PFOA	119		25 - 150
13C5 PFNA	119		25 - 150
13C2 PFDA	118		25 - 150
13C2 PFUnA	111		25 - 150
13C2 PFDoA	115		25 - 150
13C2 PFTeDA	95		25 - 150
13C3 PFBS	113		25 - 150
18O2 PFHxS	119		25 - 150
13C4 PFOS	111		25 - 150
13C8 FOSA	112		10 - 150
d3-NMeFOSAA	123		25 - 150
d5-NEtFOSAA	123		25 - 150
d-N-MeFOSA-M	90		10 - 150
d-N-EtFOSA-M	96		10 - 150
d7-N-MeFOSE-M	114		10 - 150
d9-N-EtFOSE-M	103		10 - 150
M2-4:2 FTS	108		25 - 150
M2-6:2 FTS	112		25 - 150
M2-8:2 FTS	111		25 - 150
13C3 HFPO-DA	117		25 - 150

Lab Sample ID: MB 320-695760/1-A
Matrix: Water
Analysis Batch: 696784

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 695760

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Perfluorobutanoic acid (PFBA)	<2.4		5.0	2.4	ng/L		08/03/23 04:27	08/07/23 18:09	1
Perfluoropentanoic acid (PFPeA)	<0.49		2.0	0.49	ng/L		08/03/23 04:27	08/07/23 18:09	1
Perfluorohexanoic acid (PFHxA)	<0.58		2.0	0.58	ng/L		08/03/23 04:27	08/07/23 18:09	1
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		08/03/23 04:27	08/07/23 18:09	1
Perfluorooctanoic acid (PFOA)	<0.85		2.0	0.85	ng/L		08/03/23 04:27	08/07/23 18:09	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		08/03/23 04:27	08/07/23 18:09	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		08/03/23 04:27	08/07/23 18:09	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		08/03/23 04:27	08/07/23 18:09	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		08/03/23 04:27	08/07/23 18:09	1
Perfluorotridecanoic acid (PFTriA)	<1.3		2.0	1.3	ng/L		08/03/23 04:27	08/07/23 18:09	1
Perfluorotetradecanoic acid (PFTeA)	<0.73		2.0	0.73	ng/L		08/03/23 04:27	08/07/23 18:09	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		08/03/23 04:27	08/07/23 18:09	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		08/03/23 04:27	08/07/23 18:09	1
Perfluorohexanesulfonic acid (PFHxS)	<0.57		2.0	0.57	ng/L		08/03/23 04:27	08/07/23 18:09	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		08/03/23 04:27	08/07/23 18:09	1
Perfluorooctanesulfonic acid (PFOS)	<0.54		2.0	0.54	ng/L		08/03/23 04:27	08/07/23 18:09	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		08/03/23 04:27	08/07/23 18:09	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		08/03/23 04:27	08/07/23 18:09	1
Perfluorododecanesulfonic acid (PFDoS)	<0.97		2.0	0.97	ng/L		08/03/23 04:27	08/07/23 18:09	1
Perfluorooctanesulfonamide (FOSA)	<0.98		2.0	0.98	ng/L		08/03/23 04:27	08/07/23 18:09	1

Eurofins Chicago

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: MB 320-695760/1-A
Matrix: Water
Analysis Batch: 696784

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 695760

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
NEtFOSA	<0.87		2.0	0.87	ng/L		08/03/23 04:27	08/07/23 18:09	1
NMeFOSA	<0.43		2.0	0.43	ng/L		08/03/23 04:27	08/07/23 18:09	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<1.2		5.0	1.2	ng/L		08/03/23 04:27	08/07/23 18:09	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<1.3		5.0	1.3	ng/L		08/03/23 04:27	08/07/23 18:09	1
NMeFOSE	<1.4		4.0	1.4	ng/L		08/03/23 04:27	08/07/23 18:09	1
NEtFOSE	<0.85		2.0	0.85	ng/L		08/03/23 04:27	08/07/23 18:09	1
4:2 FTS	<0.24		2.0	0.24	ng/L		08/03/23 04:27	08/07/23 18:09	1
6:2 FTS	<2.5		5.0	2.5	ng/L		08/03/23 04:27	08/07/23 18:09	1
8:2 FTS	<0.46		2.0	0.46	ng/L		08/03/23 04:27	08/07/23 18:09	1
DONA	<0.40		2.0	0.40	ng/L		08/03/23 04:27	08/07/23 18:09	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		08/03/23 04:27	08/07/23 18:09	1
F-53B Major	<0.24		2.0	0.24	ng/L		08/03/23 04:27	08/07/23 18:09	1
F-53B Minor	<0.32		2.0	0.32	ng/L		08/03/23 04:27	08/07/23 18:09	1

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	105		25 - 150	08/03/23 04:27	08/07/23 18:09	1
13C5 PFPeA	103		25 - 150	08/03/23 04:27	08/07/23 18:09	1
13C2 PFHxA	103		25 - 150	08/03/23 04:27	08/07/23 18:09	1
13C4 PFHpA	115		25 - 150	08/03/23 04:27	08/07/23 18:09	1
13C4 PFOA	106		25 - 150	08/03/23 04:27	08/07/23 18:09	1
13C5 PFNA	116		25 - 150	08/03/23 04:27	08/07/23 18:09	1
13C2 PFDA	119		25 - 150	08/03/23 04:27	08/07/23 18:09	1
13C2 PFUnA	108		25 - 150	08/03/23 04:27	08/07/23 18:09	1
13C2 PFDoA	114		25 - 150	08/03/23 04:27	08/07/23 18:09	1
13C2 PFTeDA	110		25 - 150	08/03/23 04:27	08/07/23 18:09	1
13C3 PFBS	107		25 - 150	08/03/23 04:27	08/07/23 18:09	1
18O2 PFHxS	110		25 - 150	08/03/23 04:27	08/07/23 18:09	1
13C4 PFOS	117		25 - 150	08/03/23 04:27	08/07/23 18:09	1
13C8 FOSA	129		10 - 150	08/03/23 04:27	08/07/23 18:09	1
d3-NMeFOSAA	144		25 - 150	08/03/23 04:27	08/07/23 18:09	1
d5-NEtFOSAA	142		25 - 150	08/03/23 04:27	08/07/23 18:09	1
d-N-MeFOSA-M	107		10 - 150	08/03/23 04:27	08/07/23 18:09	1
d-N-EtFOSA-M	110		10 - 150	08/03/23 04:27	08/07/23 18:09	1
d7-N-MeFOSE-M	114		10 - 150	08/03/23 04:27	08/07/23 18:09	1
d9-N-EtFOSE-M	122		10 - 150	08/03/23 04:27	08/07/23 18:09	1
M2-4:2 FTS	105		25 - 150	08/03/23 04:27	08/07/23 18:09	1
M2-6:2 FTS	99		25 - 150	08/03/23 04:27	08/07/23 18:09	1
M2-8:2 FTS	109		25 - 150	08/03/23 04:27	08/07/23 18:09	1
13C3 HFPO-DA	105		25 - 150	08/03/23 04:27	08/07/23 18:09	1

Lab Sample ID: LCS 320-695760/2-A
Matrix: Water
Analysis Batch: 696077

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 695760

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	40.0	37.7		ng/L		94	60 - 135
Perfluoropentanoic acid (PFPeA)	40.0	37.3		ng/L		93	60 - 135

Euofins Chicago

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-695760/2-A
Matrix: Water
Analysis Batch: 696077

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 695760

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorohexanoic acid (PFHxA)	40.0	39.2		ng/L		98	60 - 135
Perfluoroheptanoic acid (PFHpA)	40.0	38.0		ng/L		95	60 - 135
Perfluorooctanoic acid (PFOA)	40.0	37.9		ng/L		95	60 - 135
Perfluorononanoic acid (PFNA)	40.0	38.7		ng/L		97	60 - 135
Perfluorodecanoic acid (PFDA)	40.0	41.2		ng/L		103	60 - 135
Perfluoroundecanoic acid (PFUnA)	40.0	38.9		ng/L		97	60 - 135
Perfluorododecanoic acid (PFDoA)	40.0	44.1		ng/L		110	60 - 135
Perfluorotridecanoic acid (PFTriA)	40.0	41.2		ng/L		103	60 - 135
Perfluorotetradecanoic acid (PFTeA)	40.0	39.2		ng/L		98	60 - 135
Perfluorobutanesulfonic acid (PFBS)	35.5	35.1		ng/L		99	60 - 135
Perfluoropentanesulfonic acid (PFPeS)	37.6	37.4		ng/L		100	60 - 135
Perfluorohexanesulfonic acid (PFHxS)	36.5	36.6		ng/L		100	60 - 135
Perfluoroheptanesulfonic acid (PFHpS)	38.2	35.0		ng/L		92	60 - 135
Perfluorooctanesulfonic acid (PFOS)	37.2	37.2		ng/L		100	60 - 135
Perfluorononanesulfonic acid (PFNS)	38.5	38.4		ng/L		100	60 - 135
Perfluorodecanesulfonic acid (PFDS)	38.6	35.2		ng/L		91	60 - 135
Perfluorododecanesulfonic acid (PFDoS)	38.8	37.7		ng/L		97	60 - 135
Perfluorooctanesulfonamide (FOSA)	40.0	36.5		ng/L		91	60 - 135
NEtFOSA	40.0	36.6		ng/L		92	60 - 135
NMeFOSA	40.0	39.2		ng/L		98	60 - 135
N-methylperfluorooctanesulfonamide doacetic acid (NMeFOSAA)	40.0	38.8		ng/L		97	60 - 135
N-ethylperfluorooctanesulfonamide doacetic acid (NEtFOSAA)	40.0	38.1		ng/L		95	60 - 135
NMeFOSE	40.0	37.4		ng/L		93	60 - 135
NEtFOSE	40.0	36.3		ng/L		91	60 - 135
4:2 FTS	37.5	36.1		ng/L		96	60 - 135
6:2 FTS	38.1	35.0		ng/L		92	60 - 135
8:2 FTS	38.4	38.2		ng/L		99	60 - 135
DONA	37.8	36.5		ng/L		97	60 - 135
HFPO-DA (GenX)	40.0	40.1		ng/L		100	60 - 135
F-53B Major	37.4	37.4		ng/L		100	60 - 135
F-53B Minor	37.8	40.0		ng/L		106	60 - 135

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
13C4 PFBA	93		25 - 150
13C5 PFPeA	94		25 - 150
13C2 PFHxA	94		25 - 150
13C4 PFHpA	101		25 - 150

QC Sample Results

Client: Ramboll US Corporation
Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-695760/2-A
Matrix: Water
Analysis Batch: 696077

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 695760

Isotope Dilution	LCS		Limits
	%Recovery	Qualifier	
13C4 PFOA	98		25 - 150
13C5 PFNA	93		25 - 150
13C2 PFDA	94		25 - 150
13C2 PFUnA	99		25 - 150
13C2 PFDoA	92		25 - 150
13C2 PFTeDA	96		25 - 150
13C3 PFBS	97		25 - 150
18O2 PFHxS	92		25 - 150
13C4 PFOS	98		25 - 150
13C8 FOSA	104		10 - 150
d3-NMeFOSAA	108		25 - 150
d5-NEtFOSAA	95		25 - 150
d-N-MeFOSA-M	80		10 - 150
d-N-EtFOSA-M	86		10 - 150
d7-N-MeFOSE-M	95		10 - 150
d9-N-EtFOSE-M	93		10 - 150
M2-4:2 FTS	101		25 - 150
M2-6:2 FTS	99		25 - 150
M2-8:2 FTS	88		25 - 150
13C3 HFPO-DA	92		25 - 150

Lab Chronicle

Client: Ramboll US Corporation
Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-201

Date Collected: 07/18/23 14:03

Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3535			693847	RLT	EET SAC	07/26/23 05:27
Total/NA	Analysis	537 (modified)		1	694215	RS1	EET SAC	07/27/23 19:22

Client Sample ID: MW-204

Date Collected: 07/18/23 14:52

Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3535			693847	RLT	EET SAC	07/26/23 05:27
Total/NA	Analysis	537 (modified)		1	694215	RS1	EET SAC	07/27/23 19:32

Client Sample ID: EB-01

Date Collected: 07/18/23 15:25

Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3535			693847	RLT	EET SAC	07/26/23 05:27
Total/NA	Analysis	537 (modified)		1	694215	RS1	EET SAC	07/27/23 19:42

Client Sample ID: FB-01

Date Collected: 07/18/23 15:30

Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3535			693847	RLT	EET SAC	07/26/23 05:27
Total/NA	Analysis	537 (modified)		1	694215	RS1	EET SAC	07/27/23 19:52

Client Sample ID: PZ-206

Date Collected: 07/19/23 07:51

Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3535			693847	RLT	EET SAC	07/26/23 05:27
Total/NA	Analysis	537 (modified)		1	694215	RS1	EET SAC	07/27/23 20:03

Client Sample ID: MW-213

Date Collected: 07/19/23 08:50

Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	725733	W1T	EET CHI	08/01/23 13:24
Total/NA	Analysis	8260B	DL	10	725733	W1T	EET CHI	08/01/23 13:47
Total/NA	Prep	3535			693847	RLT	EET SAC	07/26/23 05:27
Total/NA	Analysis	537 (modified)		1	694215	RS1	EET SAC	07/27/23 20:13

Lab Chronicle

Client: Ramboll US Corporation
Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-213 DUP

Lab Sample ID: 500-237064-7

Date Collected: 07/19/23 08:50

Matrix: Water

Date Received: 07/22/23 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	725733	W1T	EET CHI	08/01/23 14:55
Total/NA	Analysis	8260B	DL	10	725733	W1T	EET CHI	08/01/23 15:18
Total/NA	Prep	3535			693847	RLT	EET SAC	07/26/23 05:27
Total/NA	Analysis	537 (modified)		1	694215	RS1	EET SAC	07/27/23 20:23

Client Sample ID: MW-82

Lab Sample ID: 500-237064-8

Date Collected: 07/19/23 10:00

Matrix: Water

Date Received: 07/22/23 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	725733	W1T	EET CHI	08/01/23 15:41

Client Sample ID: AECOM MW-19

Lab Sample ID: 500-237064-9

Date Collected: 07/19/23 11:16

Matrix: Water

Date Received: 07/22/23 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	725733	W1T	EET CHI	08/01/23 16:04

Client Sample ID: PZ-214

Lab Sample ID: 500-237064-10

Date Collected: 07/19/23 12:29

Matrix: Water

Date Received: 07/22/23 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3535			693847	RLT	EET SAC	07/26/23 05:27
Total/NA	Analysis	537 (modified)		1	694215	RS1	EET SAC	07/27/23 20:33

Client Sample ID: MW-17

Lab Sample ID: 500-237064-11

Date Collected: 07/19/23 13:23

Matrix: Water

Date Received: 07/22/23 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	725733	W1T	EET CHI	08/01/23 16:26

Client Sample ID: MW-37

Lab Sample ID: 500-237064-12

Date Collected: 07/19/23 14:05

Matrix: Water

Date Received: 07/22/23 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	725733	W1T	EET CHI	08/01/23 16:49

Lab Chronicle

Client: Ramboll US Corporation
Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-19

Date Collected: 07/19/23 15:00

Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-13

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	725733	W1T	EET CHI	08/01/23 17:12

Client Sample ID: EB-03

Date Collected: 07/19/23 15:20

Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-14

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	725733	W1T	EET CHI	08/01/23 17:35
Total/NA	Prep	3535			693847	RLT	EET SAC	07/26/23 05:27
Total/NA	Analysis	537 (modified)		1	694215	RS1	EET SAC	07/27/23 21:04

Client Sample ID: FB-03

Date Collected: 07/19/23 15:25

Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-15

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3535			693847	RLT	EET SAC	07/26/23 05:27
Total/NA	Analysis	537 (modified)		1	694215	RS1	EET SAC	07/27/23 21:14

Client Sample ID: MW-48

Date Collected: 07/20/23 08:00

Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-16

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3535			693847	RLT	EET SAC	07/26/23 05:27
Total/NA	Analysis	537 (modified)		1	694215	RS1	EET SAC	07/27/23 21:24
Total/NA	Prep	3535	DL		693847	RLT	EET SAC	07/26/23 05:27
Total/NA	Analysis	537 (modified)	DL	10	694798	RS1	EET SAC	07/30/23 07:57

Client Sample ID: MW-3

Date Collected: 07/20/23 08:50

Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-17

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	725733	W1T	EET CHI	08/01/23 17:57

Client Sample ID: MW-5

Date Collected: 07/20/23 09:15

Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-18

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	725733	W1T	EET CHI	08/01/23 18:20
Total/NA	Analysis	8260B	DL	10	725733	W1T	EET CHI	08/01/23 18:43

Lab Chronicle

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-8
Date Collected: 07/20/23 09:55
Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-19
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	725733	W1T	EET CHI	08/01/23 19:06

Client Sample ID: MW-31
Date Collected: 07/20/23 10:45
Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-20
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	725733	W1T	EET CHI	08/01/23 19:28

Client Sample ID: MW-16
Date Collected: 07/20/23 11:45
Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-21
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	725914	W1T	EET CHI	08/02/23 15:28

Client Sample ID: MW-15
Date Collected: 07/20/23 12:35
Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-22
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	725914	W1T	EET CHI	08/02/23 15:53
Total/NA	Analysis	8260B	DL	10	725914	W1T	EET CHI	08/02/23 16:16

Client Sample ID: MW-12
Date Collected: 07/20/23 13:22
Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-23
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3535			693847	RLT	EET SAC	07/26/23 05:27
Total/NA	Analysis	537 (modified)		5	695039	RS1	EET SAC	07/31/23 23:47

Client Sample ID: MW-9
Date Collected: 07/20/23 14:25
Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-24
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	725914	W1T	EET CHI	08/02/23 16:40
Total/NA	Prep	3535			693847	RLT	EET SAC	07/26/23 05:27
Total/NA	Analysis	537 (modified)		1	694215	RS1	EET SAC	07/27/23 22:05
Total/NA	Prep	3535	RA		693847	RLT	EET SAC	07/26/23 05:27
Total/NA	Analysis	537 (modified)	RA	1	700510	RS1	EET SAC	08/21/23 14:08

Lab Chronicle

Client: Ramboll US Corporation
Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-9 DUP

Lab Sample ID: 500-237064-25

Date Collected: 07/20/23 14:25

Matrix: Water

Date Received: 07/22/23 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	725914	W1T	EET CHI	08/02/23 17:04
Total/NA	Prep	3535			693847	RLT	EET SAC	07/26/23 05:27
Total/NA	Analysis	537 (modified)		1	694215	RS1	EET SAC	07/27/23 22:15
Total/NA	Prep	3535	RA		693847	RLT	EET SAC	07/26/23 05:27
Total/NA	Analysis	537 (modified)	RA	1	700510	RS1	EET SAC	08/21/23 14:18

Client Sample ID: EB-05

Lab Sample ID: 500-237064-26

Date Collected: 07/20/23 14:55

Matrix: Water

Date Received: 07/22/23 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	725914	W1T	EET CHI	08/02/23 11:03
Total/NA	Prep	3535			693847	RLT	EET SAC	07/26/23 05:27
Total/NA	Analysis	537 (modified)		1	694215	RS1	EET SAC	07/27/23 22:25

Client Sample ID: FB-05

Lab Sample ID: 500-237064-27

Date Collected: 07/20/23 15:00

Matrix: Water

Date Received: 07/22/23 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3535			693847	RLT	EET SAC	07/26/23 05:27
Total/NA	Analysis	537 (modified)		1	694215	RS1	EET SAC	07/27/23 22:35

Client Sample ID: TRIP BLANK

Lab Sample ID: 500-237064-28

Date Collected: 07/20/23 00:00

Matrix: Water

Date Received: 07/22/23 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	725914	W1T	EET CHI	08/02/23 10:40

Client Sample ID: AMEC_MW-14

Lab Sample ID: 500-237064-29

Date Collected: 07/19/23 09:20

Matrix: Water

Date Received: 07/22/23 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3535			693847	RLT	EET SAC	07/26/23 05:27
Total/NA	Analysis	537 (modified)		1	694215	RS1	EET SAC	07/27/23 23:06
Total/NA	Prep	3535	RE		695760	RLT	EET SAC	08/03/23 04:27
Total/NA	Analysis	537 (modified)	RE	1	696077	K1S	EET SAC	08/03/23 17:20

Lab Chronicle

Client: Ramboll US Corporation
Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: AMEC_MW-15

Date Collected: 07/20/23 14:22

Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-30

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3535			693847	RLT	EET SAC	07/26/23 05:27
Total/NA	Analysis	537 (modified)		1	694215	RS1	EET SAC	07/27/23 23:16

Client Sample ID: AMEC_MW-16

Date Collected: 07/19/23 14:33

Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-31

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3535			693847	RLT	EET SAC	07/26/23 05:27
Total/NA	Analysis	537 (modified)		1	694215	RS1	EET SAC	07/27/23 23:26
Total/NA	Prep	3535	DL		693847	RLT	EET SAC	07/26/23 05:27
Total/NA	Analysis	537 (modified)	DL	5	694798	RS1	EET SAC	07/30/23 07:46

Client Sample ID: AMEC_MW-16A

Date Collected: 07/19/23 15:12

Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-32

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3535			693847	RLT	EET SAC	07/26/23 05:27
Total/NA	Analysis	537 (modified)		1	694215	RS1	EET SAC	07/27/23 23:36

Client Sample ID: AMEC_MW-17

Date Collected: 07/20/23 09:37

Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-33

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3535			693849	RLT	EET SAC	07/26/23 05:35
Total/NA	Analysis	537 (modified)		1	694223	D1R	EET SAC	07/28/23 00:48

Client Sample ID: MW-121

Date Collected: 07/20/23 07:55

Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-34

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	726112	W1T	EET CHI	08/03/23 13:08
Total/NA	Analysis	8260B	DL	10	726299	W1T	EET CHI	08/03/23 22:38

Client Sample ID: MW-200

Date Collected: 07/19/23 11:24

Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-35

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3535			693849	RLT	EET SAC	07/26/23 05:35
Total/NA	Analysis	537 (modified)		1	694223	D1R	EET SAC	07/28/23 00:58

Eurofins Chicago

Lab Chronicle

Client: Ramboll US Corporation
Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: PZ-200

Date Collected: 07/19/23 10:50

Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-36

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3535			693849	RLT	EET SAC	07/26/23 05:35
Total/NA	Analysis	537 (modified)		1	694223	D1R	EET SAC	07/28/23 01:08

Client Sample ID: MW-209

Date Collected: 07/20/23 11:50

Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-37

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B	RA	1	726349	EA	EET CHI	08/04/23 13:50
Total/NA	Analysis	8260B		1	726112	W1T	EET CHI	08/03/23 13:33
Total/NA	Prep	3535			693849	RLT	EET SAC	07/26/23 05:35
Total/NA	Analysis	537 (modified)		1	694223	D1R	EET SAC	07/28/23 01:18

Client Sample ID: MW-209 DUP

Date Collected: 07/20/23 11:55

Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-38

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	726112	W1T	EET CHI	08/03/23 13:58
Total/NA	Prep	3535			693849	RLT	EET SAC	07/26/23 05:35
Total/NA	Analysis	537 (modified)		1	694223	D1R	EET SAC	07/28/23 01:28

Client Sample ID: MW-219

Date Collected: 07/20/23 08:50

Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-39

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	726112	W1T	EET CHI	08/03/23 14:23

Client Sample ID: MW-226

Date Collected: 07/18/23 14:15

Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-40

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3535			693849	RLT	EET SAC	07/26/23 05:35
Total/NA	Analysis	537 (modified)		1	694223	D1R	EET SAC	07/28/23 01:38

Client Sample ID: PZ-226

Date Collected: 07/18/23 14:56

Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-41

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3535			693849	RLT	EET SAC	07/26/23 05:35
Total/NA	Analysis	537 (modified)		1	694223	D1R	EET SAC	07/28/23 02:29

Lab Chronicle

Client: Ramboll US Corporation
Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: MW-235

Date Collected: 07/19/23 13:37

Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-42

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3535			693849	RLT	EET SAC	07/26/23 05:35
Total/NA	Analysis	537 (modified)		1	694223	D1R	EET SAC	07/28/23 02:40

Client Sample ID: MW-236

Date Collected: 07/19/23 12:52

Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-43

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3535			693849	RLT	EET SAC	07/26/23 05:35
Total/NA	Analysis	537 (modified)		1	694223	D1R	EET SAC	07/28/23 02:50

Client Sample ID: EB-02

Date Collected: 07/18/23 15:20

Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-44

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3535			693849	RLT	EET SAC	07/26/23 05:35
Total/NA	Analysis	537 (modified)		1	694223	D1R	EET SAC	07/28/23 03:00

Client Sample ID: EB-04

Date Collected: 07/19/23 15:27

Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-45

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3535			694112	JER	EET SAC	07/26/23 20:59
Total/NA	Analysis	537 (modified)		1	694464	S1M	EET SAC	07/28/23 04:50

Client Sample ID: EB-06

Date Collected: 07/20/23 14:46

Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-46

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	726112	W1T	EET CHI	08/03/23 10:15
Total/NA	Prep	3535			694112	JER	EET SAC	07/26/23 20:59
Total/NA	Analysis	537 (modified)		1	694464	S1M	EET SAC	07/28/23 05:01

Client Sample ID: FB-02

Date Collected: 07/18/23 15:10

Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-47

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3535			694112	JER	EET SAC	07/26/23 20:59
Total/NA	Analysis	537 (modified)		1	694464	S1M	EET SAC	07/28/23 05:12

Lab Chronicle

Client: Ramboll US Corporation
Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Client Sample ID: FB-04

Date Collected: 07/19/23 14:55

Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-48

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3535			694112	JER	EET SAC	07/26/23 20:59
Total/NA	Analysis	537 (modified)		1	694464	S1M	EET SAC	07/28/23 05:23

Client Sample ID: FB-06

Date Collected: 07/20/23 14:34

Date Received: 07/22/23 09:50

Lab Sample ID: 500-237064-49

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3535			694112	JER	EET SAC	07/26/23 20:59
Total/NA	Analysis	537 (modified)		1	694464	S1M	EET SAC	07/28/23 05:34

Laboratory References:

EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

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

Accreditation/Certification Summary

Client: Ramboll US Corporation
Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Laboratory: Eurofins Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	999580010	08-31-23

Laboratory: Eurofins Sacramento

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	998204680	08-31-23

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17

Eurofins Chicago

2417 Bond Street
University Park, IL 60484
Phone 708-534-5200 Fax 708-534-5211

Chain of Custody Record

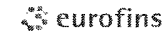


Client Information		Sampler: D. GLASFORD		Lab PM: Fredrick Sande		Carrier Tracking No(s):		COC No: 500-114234-47117 4		
Client Contact: Paul Lindquist		Phone:		E-Mail: Sandra.Fredrick@et.		State of Origin: WI		Page 1 of 2		
Company: Ramboll US Corporation		PWSID:		500-237064 COC		Analysis Requested		Job #: 500-237064		
Address: 234 W Florida Street Fifth Floor		Due Date Requested:		Field Filtered Sample (Yes or No)		Total Number of Containers		Preservation Codes		
City: Milwaukee		TAT Requested (days):		Perform MS/MSD (Yes or No)		PFC_IDA_WI - PFAS Standard List (33 analytes)		A HCL M Hexane B NaOH N None C Zn Acetate O AsNaO2 D N c Acid P Na2O4S E NaHSO4 Q Na2SO3 F MeOH R Na2S2O3 G Amchlor S H2SO4 H Ascorbic Acid T TSP Dodecahydrate I Ice U Acetone J DI Water V MCAA K EDTA W pH 4-5 L EDA Y Trizma Z other (specify)		
State Zip: WI 53204		Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No		PO#: MIRRO9		VOC		Other:		
Phone: 262-901-3510(Tel)		Project #: 50020429		WO#:						
Email: plindquist@ramboll.com		SSOW#:								
Project Name: Manitowoc at Former Mirro Plant No 9										
Site:										
Sample Identification		Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/soil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	PFC_IDA_WI - PFAS Standard List (33 analytes)	Special Instructions/Note	
1	MW-201	7-18-23	1403	G	Water	X	X			
2	MW-204	↓	1452	↓	Water	X	X			
3	EB-01	↓	1525	↓	Water	X	X			
4	FB-01	↓	1530	↓	Water	X	X			
5	PZ-206	7-19-23	751	G	Water	X	X			
6	MW 213	↓	850	↓	Water	X	X			
7	MW 213 DUP	↓	850	↓	Water	X	X			
8	MW 82	↓	1000	↓	Water	X	X			
9	AECOM MW-19	↓	1116	↓	Water	X	X			
10	PZ-214	↓	1229	↓	Water	X	X			
11	MW-17	↓	1323	↓	Water	X	X			
Possible Hazard Identification						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)				
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological						<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months				
Deliverable Requested I II III IV Other (specify)						Special Instructions/QC Requirements				
Empty Kit Relinquished by:		Date:		Time:		Method of Shipment:				
Relinquished by: <i>[Signature]</i>		Date/Time: 7-21-23 1245		Company: Ramboll		Received by: <i>[Signature]</i>		Date/Time: 7-21-23 1245		Company: Eurofins
Relinquished by: <i>[Signature]</i>		Date/Time: 7/21/23 1700		Company: Eurofins		Received by: Stephanie Hernandez		Date/Time: 7/22/23 0950		Company: EETA
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:		Company:
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No:		Cooler Temperature(s) °C and Other Remarks: 4.1 → 3.0						

Eurofins Chicago

2417 Bond Street
 University Park IL 60484
 Phone 708-534-5200 Fax 708-534-5211

Chain of Custody Record



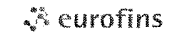
E O I I T

Client Information		Sampler D. GLASFORD	Lab PM Fredrick Sandie	Carrier Tracking Note	COC No: 500-114234-47117 5										
Client Contact: Paul Lindquist		Phone	E-Mail Sandra.Fredrick@et.eurofinsus.com	State of Origin WI	Page Page 2 of 5										
Company Ramboll US Corporation		PWSID	Analysis Requested		Job # 900-237064										
Address 234 W Florida Street Fifth Floor		Due Date Requested	<table border="1"> <tr><td>Field Filtered Sample (Yes or No)</td><td></td></tr> <tr><td>Perform MS/MSD (Yes or No)</td><td></td></tr> <tr><td>PFC_IDA_WI - PFAS, Standard List (33 analytes)</td><td></td></tr> <tr><td>Matrix (W=water, S=solid, O=waste/soil, BT=tissue, A=air)</td><td></td></tr> <tr><td>Total Number of Containers</td><td>200</td></tr> </table>		Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		PFC_IDA_WI - PFAS, Standard List (33 analytes)		Matrix (W=water, S=solid, O=waste/soil, BT=tissue, A=air)		Total Number of Containers	200	Preservation Codes A HCL M Hexane B NaOH N None C Zn Acetate O AsNaO2 D Nitric Acid P Na2O4S E NaHSO4 Q Na2SO3 F MeOH R Na2S2O3 G Amchlor S H2SO4 H Ascorbic Acid T TSP Dodecahydrate I Ice U Acetone J DI Water V MCAA K EDTA W pH 4-5 L EDA Y Trizma Z other (specify)
Field Filtered Sample (Yes or No)															
Perform MS/MSD (Yes or No)															
PFC_IDA_WI - PFAS, Standard List (33 analytes)															
Matrix (W=water, S=solid, O=waste/soil, BT=tissue, A=air)															
Total Number of Containers	200														
City Milwaukee		TAT Requested (days)													
State Zip WI 53204		Compliance Project. Δ Yes Δ No													
Phone 262-901-3510(Tel)		PO # MIRRO 9													
Email plindquist@ramboll.com		WO #:													
Project Name Manitowoc at Former M rro Plant No 9		Project # 50020429													
S.e		SSOW#:													
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/soil, BT=tissue, A=air)	Preservation Code	Special Instructions/Note								
12	MW-37	7-19-23	1405	G	Water	X									
13	MW-19	↓	1500	↓	Water	X									
14	EB-03	↓	1520	↓	Water	X X									
15	FB-03	↓	1525	↓	Water	X									
16	MW-48	7-20-23	800	↓	Water	X									
17	MW-3	↓	850	↓	Water	X									
18	MW 5	↓	915	↓	Water	X									
19	MW 8	↓	955	↓	Water	X									
20	MW-31	↓	1045	↓	Water	X									
21	MW16	↓	1145	↓	Water	X									
22	MW15	↓	↓	↓	Water	X									
Possible Hazard Identification		<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological			Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months										
Deliverable Requested I II III IV Other (specify)		Special Instructions/QC Requirements													
Empty Kit Relinquished by		Date	Time	Method of Shipment:											
Relinquished by	Date/Time	Date/Time	Company	Received by	Date/Time	Company									
<i>[Signature]</i>	7-21-23 1245	7-21-23 1245	Ramboll	<i>[Signature]</i>	7-21-23 1245	Eurofins									
Relinquished by	Date/Time	Date/Time	Company	Received by	Date/Time	Company									
<i>[Signature]</i>	7-21-23 1700	7-21-23 0950	Eurofins	Stephanie Hernandez	7-21-23 0950	EFA									
Relinquished by	Date/Time	Date/Time	Company	Received by	Date/Time	Company									
Custody Seals Intact. Δ Yes Δ No		Custody Seal No		Cooler Temperature(s) °C and Other Remarks											

Eurofins Chicago

2417 Bond Street
 University Park IL 60484
 Phone 708-534-5200 Fax 708-534-5211

Chain of Custody Record



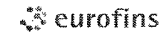
ENVIRONMENTAL

Client Information		Sample: D. GLASFORD	Lab PM: Fredrick Sandie	Carrier Tracking No(s)	COC No: 500-114234-47117 9																																
Client Contact: Paul Lindquist		Phone:	E-Mail: Sandra.Fredrick@et.eurofins.com	State of Origin: WI	Page: 3-5																																
Company: Ramboll US Corporation		PWSID:	Analysis Requested																																		
Address: 234 W Florida Street Fifth Floor		Due Date Requested:	<table border="1"> <tr> <td rowspan="7">Total Number of containers</td> <td colspan="2">Preservation Codes</td> </tr> <tr> <td>A HCL</td> <td>M Hexane</td> </tr> <tr> <td>B NaOH</td> <td>N None</td> </tr> <tr> <td>C Zn Acetate</td> <td>O AsNaO?</td> </tr> <tr> <td>D Nitric Acid</td> <td>P Na2O4S</td> </tr> <tr> <td>E NaHSO4</td> <td>Q Na2SO3</td> </tr> <tr> <td>F MeOH</td> <td>R Na2S2O3</td> </tr> <tr> <td>G Amchlor</td> <td>S H2SO4</td> </tr> <tr> <td>H Ascorbic Acid</td> <td>T TSP Dodecahydrate</td> </tr> <tr> <td>I Ice</td> <td>U Acetone</td> </tr> <tr> <td>J DI Water</td> <td>V MCAA</td> </tr> <tr> <td>K EDTA</td> <td>W pH 4-5</td> </tr> <tr> <td>L EDA</td> <td>Y Trizma</td> </tr> <tr> <td></td> <td>Z other (specify)</td> </tr> <tr> <td colspan="2">Other:</td> <td></td> </tr> </table>			Total Number of containers	Preservation Codes		A HCL	M Hexane	B NaOH	N None	C Zn Acetate	O AsNaO?	D Nitric Acid	P Na2O4S	E NaHSO4	Q Na2SO3	F MeOH	R Na2S2O3	G Amchlor	S H2SO4	H Ascorbic Acid	T TSP Dodecahydrate	I Ice	U Acetone	J DI Water	V MCAA	K EDTA	W pH 4-5	L EDA	Y Trizma		Z other (specify)	Other:		
Total Number of containers	Preservation Codes																																				
	A HCL	M Hexane																																			
	B NaOH	N None																																			
	C Zn Acetate	O AsNaO?																																			
	D Nitric Acid	P Na2O4S																																			
	E NaHSO4	Q Na2SO3																																			
	F MeOH	R Na2S2O3																																			
G Amchlor	S H2SO4																																				
H Ascorbic Acid	T TSP Dodecahydrate																																				
I Ice	U Acetone																																				
J DI Water	V MCAA																																				
K EDTA	W pH 4-5																																				
L EDA	Y Trizma																																				
	Z other (specify)																																				
Other:																																					
City: Milwaukee		TAT Requested (days):																																			
State Zip: WI 53204		Compliance Project. Δ Yes Δ No:																																			
Phone: 262-901-3510(Tel)		PO #: MIRRO?																																			
Email: plindquist@ramboll.com		WO #:																																			
Project Name: Manitowoc at Former Mirro Plant No 9		Project #: 50020429																																			
Site:		SSOW#:																																			
Sample Identification		Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A-Air)	Field Filtered Sample (Yes/No)	Perform MS/MSD (Yes/No)	PFC_IDA_WI - PFAS, Standard List (33 analytes)	VOC	Special Instructions/Note																											
23	MW-12	7-20-23		G	Water	X																															
24	MW-9	↓			Water	X	X																														
25	MW-9 DUP				Water	X	X																														
26	EB-05				Water	X	X																														
27	FB-05	↓			Water	X																															
28	TRIP BLANK				Water			X																													
Possible Hazard Identification						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)																															
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological						<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months																															
Deliverable Requested I II III IV Other (specify)						Special Instructions/QC Requirements																															
Empty Kit Relinquished by:		Date		Time		Method of Shipment																															
Re-inquired by: <i>[Signature]</i>		Date/Time: 7-21-23 1245		Company: Ramboll		Received by: <i>[Signature]</i>		Date/Time: 7-21-23 1245		Company: Eurofins																											
Re-inquired by: <i>[Signature]</i>		Date/Time: 7-21-23 1700		Company: Eurofins		Received by: Stephanie Humonof		Date/Time: 7/21/23 1950		Company: EEA																											
Reinquired by:		Date/Time:		Company:		Received by:		Date/Time:		Company:																											
Custody Seals Intact. Δ Yes Δ No		Custody Seal No		Cooler Temperature(s °C and Other Remarks.																																	

Eurofins Chicago

2417 Bond Street
University Park IL 60484
Phone 708-534-5200 Fax 708-534-5211

Chain of Custody Record



TVF 0001

Client Information		Sampler <i>Sarah Jo Matthews</i>	Lab PM Fredrick Sandie	Carrier Tracking No(s)	COC No 500-114234-47117 3						
Client Contact Paul Lindquist		Phone	E-Mail Sandra.Fredrick@et.eurofins.com	State of Origin <i>WI</i>	Page Page 1 of 5						
Company Ramboll US Corporation		PA/SID	Analysis Requested								
Address 234 W Florida Street Fifth Floor		Due Date Requested	Preservation Codes A HCL M Hexane B NaOH N None C Zn Acetate J AsNaO2 D Nitric Acid P Na2O4S E NaHSO4 Q Na2SO3 F MeOH S H2SO4 G Amchlor T *SP Dodecahydrate H Ascorbic Acid U Acetone I Ice V MCAA J DI Water W pH 4-5 K EDTA Y Trizma L EDA Z other (specify) Other:								
City Milwaukee		TAT Requested (days) <i>Standard</i>									
State Zip WI 53204		Compliance Project. <input type="checkbox"/> Yes <input type="checkbox"/> No									
Phone 262-901-3510(Tel)		PO # MIRRO <i>29</i>									
Email plindquist@ramboll.com		WO #									
Project Name Manitowoc at Former Mirro Plant No 9		Project # 50020429	Job # <i>500-0237004</i>								
Site		SSOW#	Total Number of Containers								
Sample Identification		Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/soil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Performance MS/MSD (Yes or No)	PFC_IDA_WI - PFAS, Standard List (33 analytes)	Special Instructions/Note		
								<i>8260B-VOC</i>			
<i>29</i>	AMEC_MW-14	7-19-23	0920	G	Water	N	N	X			
<i>30</i>	AMEC_MW-15	7-20-23	1422		Water	N	N	X			
<i>31</i>	AMEC_MW-16	7-19-23	1433		Water			X			
<i>32</i>	AMEC_MW-16A	7-19-23	1512		Water			X			
<i>33</i>	AMEC_MW-17	7-20-23	0937		Water			X			
<i>34</i>	MW-121	7-20-23	755		Water			X			
<i>35</i>	MW-200	7-19-23	7124		Water			X			
<i>36</i>	MW PZ-200	7-19-23	1050		Water			X			
<i>37</i>	MW-209	7-20-23	1150		Water			X			
<i>38</i>	MW-209 Dup	7-20-23	1155		Water			X			
<i>39</i>	MW-219	7-20-23	0850		Water			X			
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months					
Deliverable Requested I II III IV Other (specify)						Specia. Instructions/QC Requirements.					
Empty Kit Relinquished by		Date		Time		Method of Shipment					
Reinquired by <i>[Signature]</i>		Date/Time 7-21-23 1245		Company RAMBOLL		Received by <i>[Signature]</i>		Date/Time 7-21-23 1245		Company Eurofins	
Reinquired by <i>[Signature]</i>		Date/Time 7-21-23 1700		Company Eurofins		Received by <i>[Signature]</i>		Date/Time 7-22-23 0950		Company EETA	
Reinquired by		Date/Time		Company		Received by		Date/Time		Company	
Custody Seals Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No		Cooler Temperature(s) °C and Other Remarks							

Eurofins Chicago

2417 Bond Street
University Park, IL 60484
Phone 708-534-5200 Fax. 708-534-5211

Chain of Custody Record



Eurofins

Client Information		Sampler: <i>Sandra So Matheus</i>	Lab PM: Fredrick Sandie	Carrier Tracking No(s)	COC No. 500-114234-47117 6						
Client Contact: Paul Lindquist		Phone	E-Mail: Sandra.Fredrick@et.eurofinsus.com	State of Origin: WI	Page 1 of 5						
Company: Ramboll US Corporation		PWSID	Analysis Requested								
Address: 234 W Florida Street Fifth Floor		Due Date Requested	Job #: 500-23706A Preservation Codes: A HCL M Hexane B NaOH N None C Zn Acetate O AsNaO2 D Nitric Acid P Na2O4S E NaHSO4 Q Na2SO3 F MeOH R Na2S2O3 G Amchlor S H2SO4 H Ascorbic Acid T TSP Dodecahydrate I Ice U Acetone J DI Water V MCAA K EDTA W pH 4-5 L EDTA Y Trizma Z other (specify)								
City: Milwaukee		TAT Requested (days): <i>Standard</i>									
State Zip: WI 53204		Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No									
Phone: 262-901-3510(Tel)		PO #: MIRRO 9									
Email: plindquist@ramboll.com		WO #									
Project Name: Manitowoc at Former Mirro Plant No 9		Project #: 50020429	Field Filtered Sampler (Yes or No) <input checked="" type="checkbox"/> Perform MS/MSD (Yes or No) <input checked="" type="checkbox"/> PFC_IDA_WI - PFAS Standard List (33 analytes) <input checked="" type="checkbox"/> 8250B - VOC								
Site:		SSOW#									
Sample Identification		Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=tissue, A=air)	Field Filtered Sampler (Yes or No)	Perform MS/MSD (Yes or No)	PFC_IDA_WI - PFAS Standard List (33 analytes)	Total Number of Containers	Special Instructions/Note	
40	MW-226	7-18-23	1415	G	Water	Field Filtered Sampler (Yes or No) <input checked="" type="checkbox"/>	Perform MS/MSD (Yes or No) <input checked="" type="checkbox"/>	PFC_IDA_WI - PFAS Standard List (33 analytes) <input checked="" type="checkbox"/>	1		
41	MW-226 PZ-226	7-18-23	1456		Water	Field Filtered Sampler (Yes or No) <input checked="" type="checkbox"/>	Perform MS/MSD (Yes or No) <input checked="" type="checkbox"/>	PFC_IDA_WI - PFAS Standard List (33 analytes) <input checked="" type="checkbox"/>	1		
42	MW-228	7-19-23	0804		Water	Field Filtered Sampler (Yes or No) <input checked="" type="checkbox"/>	Perform MS/MSD (Yes or No) <input checked="" type="checkbox"/>	PFC_IDA_WI - PFAS Standard List (33 analytes) <input checked="" type="checkbox"/>	1		
42	MW-235	7-19-23	1337		Water	Field Filtered Sampler (Yes or No) <input checked="" type="checkbox"/>	Perform MS/MSD (Yes or No) <input checked="" type="checkbox"/>	PFC_IDA_WI - PFAS Standard List (33 analytes) <input checked="" type="checkbox"/>	1		
43	MW-236	7-19-23	1252		Water	Field Filtered Sampler (Yes or No) <input checked="" type="checkbox"/>	Perform MS/MSD (Yes or No) <input checked="" type="checkbox"/>	PFC_IDA_WI - PFAS Standard List (33 analytes) <input checked="" type="checkbox"/>	1		
44	EB-02	7-18-23	1520		Water	Field Filtered Sampler (Yes or No) <input checked="" type="checkbox"/>	Perform MS/MSD (Yes or No) <input checked="" type="checkbox"/>	PFC_IDA_WI - PFAS Standard List (33 analytes) <input checked="" type="checkbox"/>	1		
45	EB-04	7-19-23	1527		Water	Field Filtered Sampler (Yes or No) <input checked="" type="checkbox"/>	Perform MS/MSD (Yes or No) <input checked="" type="checkbox"/>	PFC_IDA_WI - PFAS Standard List (33 analytes) <input checked="" type="checkbox"/>	1		
46	EB-06	7-20-23	1446		Water	Field Filtered Sampler (Yes or No) <input checked="" type="checkbox"/>	Perform MS/MSD (Yes or No) <input checked="" type="checkbox"/>	PFC_IDA_WI - PFAS Standard List (33 analytes) <input checked="" type="checkbox"/>	1		
47	FB-02	7-18-23	1510		Water	Field Filtered Sampler (Yes or No) <input checked="" type="checkbox"/>	Perform MS/MSD (Yes or No) <input checked="" type="checkbox"/>	PFC_IDA_WI - PFAS Standard List (33 analytes) <input checked="" type="checkbox"/>	1		
48	FB-04	7-19-23	1455		Water	Field Filtered Sampler (Yes or No) <input checked="" type="checkbox"/>	Perform MS/MSD (Yes or No) <input checked="" type="checkbox"/>	PFC_IDA_WI - PFAS Standard List (33 analytes) <input checked="" type="checkbox"/>	1		
49	FB-06	7-20-23	1436		Water	Field Filtered Sampler (Yes or No) <input checked="" type="checkbox"/>	Perform MS/MSD (Yes or No) <input checked="" type="checkbox"/>	PFC_IDA_WI - PFAS Standard List (33 analytes) <input checked="" type="checkbox"/>	1		
Possible Hazard Identification						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)					
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological						<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months					
Deliverable Requested I II III IV Other (specify)						Special Instructions/QC Requirements					
Empty Kit Relinquished by		Date		Time		Method of Shipment:					
Relinquished by: <i>[Signature]</i>		Date/Time: 7-21-23 1245		Company: Ramboll		Received by: <i>[Signature]</i>		Date/Time: 7-21-23 1245		Company: Eurofins	
Relinquished by: <i>[Signature]</i>		Date/Time: 7-21-23 1700		Company: Eurofins		Received by: <i>[Signature]</i>		Date/Time: 7-22-23 0915		Company: Eurofins	
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:		Company:	
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No		Cover Temperature (°C) and Other Remarks							

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17



500-237064 Waybi

gt

J434 M77A EXP 03/24
SARFD/CAF4/FFPR

ORIGIN ID:RRLA (262) 2
IAN EVANS
EUROFINS TESTAMERICA
4125 N 124TH ST.
SUITE F (REAR)
BROOKFIELD, WI 53005
UNITED STATES US

DATE: 21JUL23
51.45 LB
69688/CAF3709

SENT

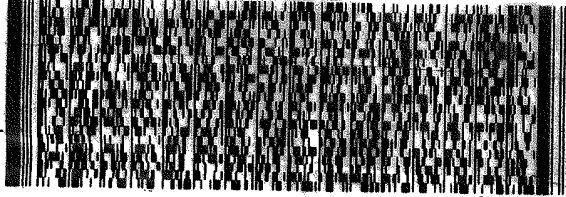
TO **SAMPLE RECEIPT**
EUROFINS
2417 BOND ST.

UNIVERSITY PARK IL 60484

(262) 202-5955
IN#:
PU#:

REF:

DEPT:



FedEx
Express



M11021102110210312

2 of 2

MPS# 6578 9771 0570
0263

Mstr# 6578 9771 0560

0201

SATURDAY 12:00P
PRIORITY OVERNIGHT

XO JOTA

60484
IL-US ORD



Eurofins Chicago

2417 Bond Street
University Park, IL 60484
Phone: 708-534-5200 Fax: 708-534-5211

Chain of Custody Record



in the world in

Client Information		Sampler: D. GLASFORD	Lab PM: Fredrick Sandle	Carrier Tracking No(s):	COC No: 500-114234-47117 4			
Client Contact: Paul Lindquist		Phone:	E-Mail: Sandra.Fredrick@et.eurofinsus.com	State of Origin: WI	Page: 1 of 5			
Company: Ramboll US Corporation		PWSID:	Analysis Requested					
Address: 234 W Florida Street Fifth Floor		Due Date Requested:	Preservation Codes A HCL M Hexane B NaOH N None C Zn Acetate O AsNaO2 P M-2004C					
City: Milwaukee		TAT Requested (days):						
State, Zip: WI 53204		Compliance Project: Δ Yes Δ No						
Phone: 262-901-3510(Tel)		PO #: MIRRO9						
Email: plindquist@ramboll.com		WO #:						
Project Name: Manitowoc at Former Mirro Plant No 9		Project #: 50020429	Logged in Chicago. hydrate PFAS sent direct to Sacramento.					
Site:		SSOW#:						
Sample Identification		Sample Date				Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=wastefl, BT=Tissue, A=Air)
MW-201	7-18-23	1403				G	Water	X
MW-204		1452					Water	X
EB-01		1525					Water	X
FB-01		1530					Water	X
PZ-206	7-19-23	751				G	Water	X
MW 213		850					Water	X X
MW 213 DUP		850					Water	X X
MW 82		1000		Water	X X			
AECOM MW-19		1116		Water	X X			
PZ-214		1229		Water	X			
MW-17		1323		Water	X			
Possible Hazard Identification		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)						
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological		<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months						
Deliverable Requested: I II III, IV Other (specify)		Special Instructions/QC Requirements:						
Empty Kit Relinquished by:		Date:	Time:	Method of Shipment:				
Relinquished by: <i>[Signature]</i>	Date/Time: 7-21-23 1245	Company: Ramboll	Received by: <i>[Signature]</i>	Date/Time: 7-21-23 1245	Company: Eurofins			
Relinquished by: <i>[Signature]</i>	Date/Time: 7/21/23 1700	Company: Eurofins	Received by: <i>[Signature]</i>	Date/Time: 7/23/23-900	Company: EUSA			
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:			
Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks:						

Page 183 of 195

8/29/2023 (Rev. 1)



Eurofins Chicago

2417 Bond Street
 University Park, IL 60484
 Phone: 708-534-5200 Fax: 708-534-5211

Chain of Custody Record



Environment Testing

Client Information		Sample: D. GLASFORD		Lab PM: Fredrick Sandie		Carrier Tracking No(s):		COC No: 500-114234-47117 9																															
Client Contact: Paul Lindquist		Phone:		E-Mail: Sandra.Fredrick@et.eurofinsus.com		State of Origin: WI		Page: 1 of 1 Page # of 1 Job #:																															
Company: Ramboll US Corporation		PWSID:		Analysis Requested																																			
Address: 234 W Florida Street Fifth Floor		Due Date Requested:		<table border="1"> <tr><td>PFAS (IDA, WI, PFAS, Standard List (93 analytes))</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>VOC</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </table>						PFAS (IDA, WI, PFAS, Standard List (93 analytes))										VOC																			
PFAS (IDA, WI, PFAS, Standard List (93 analytes))																																							
VOC																																							
City: Milwaukee		TAT Requested (days):																																					
State, Zip: WI 53204		Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No																																					
Phone: 262-901-3510(Tel)		PO #: MIRRO9																																					
Email: plindquist@ramboll.com		WO #:		<table border="1"> <tr><td>Preservation Codes</td><td></td></tr> <tr><td>A HCL</td><td>M Hexane</td></tr> <tr><td>B NaOH</td><td>N None</td></tr> <tr><td>C Zn Acetate</td><td>O AsNaO2</td></tr> <tr><td>D Nitric Acid</td><td>P Na2O4S</td></tr> <tr><td>E NaHSO4</td><td>Q Na2SO3</td></tr> <tr><td>F MeOH</td><td>R Na2S2O3</td></tr> <tr><td>G Amchlor</td><td>S H2SO4</td></tr> <tr><td>H Ascorbic Acid</td><td>T TSP Dodecahydrate</td></tr> <tr><td>I Ice</td><td>U Acetone</td></tr> <tr><td>J DI Water</td><td>V MCAA</td></tr> <tr><td>K EDTA</td><td>W pH 4-5</td></tr> <tr><td>L EDA</td><td>Y Trizma</td></tr> <tr><td></td><td>Z other (specify)</td></tr> <tr><td>Other:</td><td></td></tr> </table>						Preservation Codes		A HCL	M Hexane	B NaOH	N None	C Zn Acetate	O AsNaO2	D Nitric Acid	P Na2O4S	E NaHSO4	Q Na2SO3	F MeOH	R Na2S2O3	G Amchlor	S H2SO4	H Ascorbic Acid	T TSP Dodecahydrate	I Ice	U Acetone	J DI Water	V MCAA	K EDTA	W pH 4-5	L EDA	Y Trizma		Z other (specify)	Other:	
Preservation Codes																																							
A HCL	M Hexane																																						
B NaOH	N None																																						
C Zn Acetate	O AsNaO2																																						
D Nitric Acid	P Na2O4S																																						
E NaHSO4	Q Na2SO3																																						
F MeOH	R Na2S2O3																																						
G Amchlor	S H2SO4																																						
H Ascorbic Acid	T TSP Dodecahydrate																																						
I Ice	U Acetone																																						
J DI Water	V MCAA																																						
K EDTA	W pH 4-5																																						
L EDA	Y Trizma																																						
	Z other (specify)																																						
Other:																																							
Project Name: Manitowoc at Former Mirro Plant No 9		Project #: 50020429																																					
Site:		SSOW#:																																					
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, B=solid, O=waste/soil, BT=Tissue, A=Air)					Special Instructions/Note:																													
MW-12		7-2023		G	Water		X																																
MW-9		↓			Water		X	X																															
MW-9 DUP		↓			Water		X	X																															
EB-05		↓			Water		X	X																															
FB-05		↓			Water		X																																
TRIP BLANK					Water			X																															
Possible Hazard Identification						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)																																	
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological						<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months																																	
Deliverable Requested: I, II III IV Other (specify)						Special Instructions/QC Requirements:																																	
Empty Kit Relinquished by:		Date:		Time:		Method of Shipment:																																	
Relinquished by: <i>[Signature]</i>		Date/Time: 7-21-23 1245		Company: Ramboll		Received by: <i>[Signature]</i>		Date/Time: 7-21-23 1245		Company: Eurofins																													
Relinquished by: <i>[Signature]</i>		Date/Time: 7-21-23 1700		Company: Eurofins		Received by: <i>[Signature]</i>		Date/Time: 7/22/23-900		Company: GETSAC																													
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:		Company:																													
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:																																			

Page 184 of 195

8/29/2023 (Rev. 1)



Eurofins Chicago

2417 Bond Street
University Park, IL 60484
Phone: 708-534-5200 Fax: 708-534-5211

Chain of Custody Record



www.eurofins.com

Client Information		Sampler: <i>Sarah J. Matthews</i>	Lab PM: Fredrick, Sandie	Carrier Tracking No(s):	COC No: 500-114234-47117 3	
Client Contact: Paul Lindquist		Phone:	E-Mail: Sandra.Fredrick@et.eurofinsus.com	State of Origin: <i>WI</i>	Page: <i>1</i> Page of <i>3</i>	
Company: Ramboll US Corporation		PWSID:	Analysis Requested			
Address: 234 W Florida Street Fifth Floor		Due Date Requested:	Preservation Codes: A HCL M Hexane B NaOH N None C Zn Acetate O AsNaO2 D Nitric Acid P Na2O4S E NaHSO4 Q Na2SO3 F MeOH R Na2S2O3 G Amchlor S H2SO4 H Ascorbic Acid T TSP Dodecahydrate I Ice U Acetone J DI Water V MCAA K EDTA W pH 4-5 L EDA Y Trizma Z other (specify)			
City: Milwaukee		TAT Requested (days): <i>Standard</i>				
State, Zip: WI, 53204		Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No				
Phone: 262-901-3510(Tel)		PO #: MIRRO <i>29</i>				
Email: plindquist@ramboll.com		WO #:				
Project Name: Manitowoc at Former Mirro Plant No 9		Project #: 60020429	Job #: Other:			
Site:		SSOW#:				
Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, B=solid, O=waste/ol, BT=Tissue, A=Air)	PFC, IDA, WI PFAS, Standard List (23 analytes) <i>8860B-VOC</i>	Special Instructions/Note:
<i>AMEC_MW-14</i>	<i>7-19-23</i>	<i>0920</i>	<i>W</i>	<i>Water</i>	<i>WN</i>	
<i>AMEC_MW-15</i>	<i>7-20-23</i>	<i>1422</i>	<i>W</i>	<i>Water</i>	<i>WN</i>	
<i>AMEC_MW-16</i>	<i>7-19-23</i>	<i>1433</i>		<i>Water</i>		
<i>AMEC_MW-16A</i>	<i>7-19-23</i>	<i>1512</i>		<i>Water</i>		
<i>AMEC_MW-17</i>	<i>7-20-23</i>	<i>0957</i>		<i>Water</i>		
<i>MW-121</i>	<i>7-20-23</i>	<i>755</i>		<i>Water</i>		
<i>MW-200</i>	<i>7-19-23</i>	<i>7124</i>		<i>Water</i>		
<i>MW-209</i>	<i>7-20-23</i>	<i>1150</i>		<i>Water</i>		
<i>MW-209 Dup</i>	<i>7-20-23</i>	<i>1155</i>		<i>Water</i>		
<i>MW-219</i>	<i>7-20-23</i>	<i>0850</i>		<i>Water</i>		
Possible Hazard Identification			Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)			
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological			<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months			
Deliverable Requested: I, II, III, IV Other (specify)			Special Instructions/QC Requirements:			
Empty Kit Relinquished by: <i>[Signature]</i>		Date: <i>7-21-23</i>	Time: <i>1245</i>	Method of Shipment:		
Relinquished by: <i>[Signature]</i>		Date/Time: <i>7-21-23 1245</i>	Company: <i>Ramboll</i>	Received by: <i>[Signature]</i>		Date/Time: <i>7-21-23 1245</i> Company: <i>Eurofins</i>
Relinquished by: <i>[Signature]</i>		Date/Time: <i>7-21-23 1700</i>	Company: <i>Eurofins</i>	Received by: <i>[Signature]</i>		Date/Time: <i>7/22/23 900</i> Company: <i>Eurofins</i>
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.		Cooler Temperature(s) °C and Other Remarks:		

Page 185 of 195

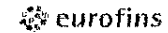
8/29/2023 (Rev. 1)



Eurofins Chicago

2417 Bond Street
 University Park, IL 60484
 Phone: 708-534-5200 Fax: 708-534-5211

Chain of Custody Record



Environment Test 1g

Client Information		Sampler: D. GLAGFORD	Lab PM: Fredrick, Sandie	Carrier Tracking No(s):	COC No: 500-114234-47117 5	
Client Contact: Paul Lindquist		Phone:	E-Mail: Sandra.Fredrick@et.eurofinsus.com	State of Origin: WI	Page: 2 of 5	
Company: Ramboll US Corporation		PWSID:	Analysis Requested			
Address: 234 W Florida Street Fifth Floor		Due Date Requested:	PFC,IDA,WI PFAS, Standard List (33 analytes) V00			
City: Milwaukee		TAT Requested (days):				
State, Zip: WI 53204		Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No				
Phone: 262-901-3510(Tel)		PO #: MIRRO 9				
Email: plindquist@ramboll.com		WO #:				
Project Name: Manitowoc at Former Mirro Plant No 9		Project #: 50020429	Preservation Codes A HCL M Hexane B NaOH N None C Zn Acetate O AsNaO2 D Nitric Acid P Na2O4S E NaHSO4 Q Na2SO3 F MeOH R Na2S2O3 G Amchlor S H2SO4 H Ascorbic Acid T TSP Dodecahydrate I Ice U Acetone J DI Water V MCAA K EDTA W pH 4-5 L EDA Y Trizma Z other (specify)			
Site:		SSOW#:				
Sample Identification		Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/soil, BT=Tissue, A=Air)	Special Instructions/Note
MW-37		7-19-23	1405	G	Water	
MW-19		↓	1500	↓	Water	
EB-03		↓	1520	↓	Water	
FB-03		↓	1525	↓	Water	
MW-48		7-20-23	800		Water	
MW-3		↓	850		Water	
MW-5		↓	915		Water	
MW-8		↓	955		Water	
MW-31		↓	1045		Water	
MW-16		↓	1145		Water	
MW-15		↓			Water	
Possible Hazard Identification			Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)			
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological			<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months			
Deliverable Requested: I, II, III, IV Other (specify)			Special Instructions/QC Requirements:			
Empty Kit Relinquished by:		Date:	Time:	Method of Shipment:		
Relinquished by: <i>[Signature]</i>		Date/Time: 7-21-23 1245	Company: Ramboll	Received by: <i>[Signature]</i>		Date/Time: 7-21-23 1245 Company: Eurofins
Relinquished by: <i>[Signature]</i>		Date/Time: 7-21-23 1700	Company: Eurofins	Received by: <i>[Signature]</i>		Date/Time: 7/21/23 - 900 Company: EETSAE
Relinquished by:		Date/Time:	Company:	Received by:		Date/Time: Company:
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.		Cooler Temperature(s) °C and Other Remarks:		

Page 186 of 195

8/29/2023 (Rev. 1)



Eurofins Chicago

2417 Bond Street
University Park, IL 60484
Phone: 708-534-5200 Fax: 708-534-5211

Chain of Custody Record



Environment Testing

Client Information		Sampler: <i>Sandra M. Martens</i>		Lab PM: Fredrick, Sandie		Carrier Tracking No(s):		COC No: 500-114234/47117 5			
Client Contact: Paul Lindquist		Phone:		E-Mail: Sandra.Fredrick@et.eurofinsus.com		State of Origin: WI		Page: 1 of 3			
Company: Ramboll US Corporation		PWSID:		Analysis Requested						Job #:	
Address: 234 W Florida Street Fifth Floor		Due Date Requested:		PFC, IDA, WI PFAS, Standard List (33 analytes) 8250B - VOC						Preservation Codes	
City: Milwaukee		TAT Requested (days): <i>Standard</i>								A HCL M Hexane	
State, Zip: WI, 53204		Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No								B NaOH N None	
Phone: 262-801-3510(Tel)		PO #: MIRRO 9								C Zn Acetate O AsNaO2	
Email: plindquist@ramboll.com		WO #:		D Nitric Acid P Na2O4S							
Project Name: Manitowoc at Former Mirro Plant No 9		Project #: 50020429		E NaHSO4 R Na2S2O3							
Site:		SSOW#:		F MeOH S H2SO4							
				G Amchlor T TSP Dodecahydrate							
				H Ascorbic Acid U Acetone							
				I Ice V MCAA							
				J DI Water W pH 4-5							
				K EDTA Y Trizma							
				L EDA Z other (specify)							
				Other:							
				Special Instructions/Note:							
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/soil, BT=Tissue, A=Air)						
MW-226		7-18-23	1415	G	Water	W	N	X			
MW-226 PZ-226		7-18-23	1450		Water	W	N	X			
MW-228		7-19-23	1304		Water						
MW-235		7-19-23	1337		Water	W	N	X			
MW-236		7-19-23	1252		Water	W	N	X			
EB-02		7-18-23	1520		Water	W	N	X			
EB-04		7-19-23	1527		Water	W	N	X			
EB-06		7-20-23	1440		Water	W	N	X	X		
FB-02		7-18-23	1510		Water	W	N	X			
FB-04		7-19-23	1455		Water	W	N	X			
FB-06		7-20-23	1430		Water	W	N	X			
Possible Hazard Identification						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)					
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological						<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months					
Deliverable Requested: I II III IV Other (specify)						Special Instructions/QC Requirements:					
Empty Kit Relinquished by: <i>[Signature]</i>		Date:		Time:		Method of Shipment:					
Relinquished by: <i>[Signature]</i>		Date/Time: 7-21-23 1245		Company: Ramboll		Received by: <i>[Signature]</i>		Date/Time: 7-21-23 1245		Company: Eurofins	
Relinquished by: <i>[Signature]</i>		Date/Time: 7-21-23 1700		Company: Eurofins		Received by: <i>[Signature]</i>		Date/Time: 7/22/23 900		Company: Eurofins	
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:		Company:	
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:							

Page 187 of 188

8/29/2023 (Rev. 1)



Login Sample Receipt Checklist

Client: Ramboll US Corporation

Job Number: 500-237064-1

SDG Number:

Login Number: 237064

List Number: 1

Creator: Hernandez, Stephanie

List Source: Eurofins Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.0
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Ramboll US Corporation

Job Number: 500-237064-1

SDG Number:

Login Number: 237064

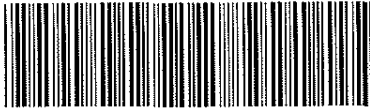
List Number: 2

Creator: Fisher, Jamyiah L

List Source: Eurofins Sacramento

List Creation: 07/24/23 11:01 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	2330336/2330337
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	4.1
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



500-237064 Field Sheet

Tracking # 6578-9771-0548

Job. _____

SO / PO / FO / ~~SAT~~ / 2-Day / Ground / UPS / CDO / Courier
GSO / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal Cooler Custody Seal, Temperature & corrected Temperature & other observations.
File in the job folder with the COC

Therm ID L-09 Corr Factor (+/-) 0 °C

Ice Wet Gel _____ Other _____

Cooler Custody Seal: 233037

Cooler ID 1082

Temp Observed 41 °C Corrected 41 °C
From Temp Blank Sample

Opening/Processing The Shipment Yes No NA

Cooler compromised/tampered with?

Cooler Temperature is acceptable?

Frozen samples show signs of thaw?

Initials SH Date 7/22/23

Unpacking/Labeling The Samples Yes No NA

COC is complete w/o discrepancies?

Samples compromised/tampered with?

Containers are not broken or leaking?

Sample custody seal?

Sample containers have legible labels?

Sample date/times are provided?

Appropriate containers are used?

Sample bottles are completely filled?

Sample preservatives verified?

Is the Field Sampler's name on COC?

Samples require splitting/compositing?

Samples w/o discrepancies?

Zero headspace?*

Alkalinity has no headspace?

Perchlorate has headspace?
(Methods 314 331 6850)

Multiphasic samples are not present?

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials SH Date 7/24/23

Notes _____

Trizma Lot #(s) _____

Login Completion Yes No NA

Receipt Temperature on COC?

Samples received within hold time?

NCM Filed?

Log Release checked in TALS?

Initials SE Date 7/24/23



Place Field Sheet Label Here

Tracking # 6578-9771-0559

Job _____

SO / PO / FO / ~~SAT~~ / 2-Day / Ground / UPS / CDO / Courier
GSO / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal Cooler Custody Seal, Temperature & corrected Temperature & other observations.
File in the job folder with the COC.

Therm. ID: L-09 Corr Factor (+/-) 0 °C

Ice Wet Gel _____ Other _____

Cooler Custody Seal. 2330336

Cooler ID 2052

Temp Observed 21 °C Corrected 21 °C
From Temp Blank Sample

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cooler Temperature is acceptable?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Frozen samples show signs of thaw?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Initials JL Date 7/22/23

Unpacking/Labeling The Samples	Yes	No	NA
COC is complete w/o discrepancies?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Samples compromised/tampered with?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Containers are not broken or leaking?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample custody seal?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Sample containers have legible labels?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample date/times are provided?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Appropriate containers are used?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample bottles are completely filled?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample preservatives verified?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Is the Field Sampler's name on COC?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Samples require splitting/compositing?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Samples w/o discrepancies?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Zero headspace?*	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Alkalinity has no headspace?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Perchlorate has headspace? (Methods 314, 331 6850)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Multiphasic samples are not present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials JL Date 7/24/23

Notes _____

Trizma Lot #(s) _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Samples received within hold time?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
NCM Filed?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Log Release checked in TALS?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Initials JF Date 7/24/23

Isotope Dilution Summary

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Method: 537 (modified) - Fluorinated Alkyl Substances

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Isotope Dilution Recovery (Acceptance Limits)							
		PFBA (25-150)	PFPeA (25-150)	PFHxA (25-150)	C4PFHA (25-150)	PFOA (25-150)	PFNA (25-150)	PFDA (25-150)	PFUnA (25-150)
500-237064-1	MW-201	63	84	87	85	95	89	91	90
500-237064-2	MW-204	65	80	86	91	98	93	94	97
500-237064-3	EB-01	105	108	102	110	105	108	113	119
500-237064-4	FB-01	105	109	103	106	107	110	111	115
500-237064-5	PZ-206	85	100	99	102	100	104	104	104
500-237064-6	MW-213	52	68	79	85	94	92	89	84
500-237064-7	MW-213 DUP	52	72	81	83	96	88	92	90
500-237064-10	PZ-214	73	94	96	101	103	105	103	107
500-237064-14	EB-03	98	101	96	99	103	102	104	107
500-237064-15	FB-03	103	103	100	104	101	106	110	114
500-237064-16	MW-48	66	81	89	89	98	92	91	84
500-237064-16 - DL	MW-48					101			
500-237064-23	MW-12	33	59	83	92	101	118	125	114
500-237064-23 MS	MW-12	33	69	90	102	113	121	135	127
500-237064-23 MSD	MW-12	23 *5-	63	88	103	108	127	137	133
500-237064-24	MW-9	42	67	88	94	107	124	137	168 *5+
500-237064-24 - RA	MW-9								
500-237064-25	MW-9 DUP	46	69	84	92	106	119	127	
500-237064-25 - RA	MW-9 DUP								144
500-237064-26	EB-05	95	105	100	102	103	106	103	110
500-237064-27	FB-05	103	106	104	105	103	108	110	112
500-237064-29	AMEC_MW-14	66	88	90	91	99	91	86	74
500-237064-29 - RE	AMEC_MW-14								
500-237064-30	AMEC_MW-15	50	76	84	89	102	95	97	94
500-237064-31	AMEC_MW-16	52	73	84	91		98	97	100
500-237064-31 - DL	AMEC_MW-16					97			
500-237064-32	AMEC_MW-16A	81	97	99	103	101	100	102	104
500-237064-33	AMEC_MW-17	83	97	98	99	105	101	102	104
500-237064-35	MW-200	88	95	97	96	102	97	97	96
500-237064-36	PZ-200	86	98	100	102	101	105	104	104
500-237064-37	MW-209	73	93	96	97	106	101	103	106
500-237064-38	MW-209 DUP	75	90	95	96	107	101	99	102
500-237064-40	MW-226	97	102	96	102	105	102	104	107
500-237064-40 MS	MW-226	103	110	104	105	108	108	108	111
500-237064-40 MSD	MW-226	98	107	102	102	107	105	107	107
500-237064-41	PZ-226	95	105	103	108	105	104	106	110
500-237064-42	MW-235	85	90	82	78	83	77	66	50
500-237064-43	MW-236	75	92	92	99	100	96	87	71
500-237064-44	EB-02	100	101	100	104	105	106	105	112
500-237064-45	EB-04	116	122	116	117	117	122	120	112
500-237064-46	EB-06	115	118	118	123	109	115	118	113
500-237064-47	FB-02	111	109	110	115	117	113	119	111
500-237064-48	FB-04	109	117	115	121	112	116	120	120
500-237064-49	FB-06	112	122	117	117	115	117	119	112
LCS 320-693847/2-A	Lab Control Sample	104	104	104	107	107	106	108	113
LCS 320-693849/2-A	Lab Control Sample	108	107	103	107	108	106	110	115
LCS 320-694112/2-A	Lab Control Sample	116	121	124	129	121	122	125	114
LCS 320-695760/2-A	Lab Control Sample	93	94	94	101	98	93	94	99
LCSD 320-694112/3-A	Lab Control Sample Dup	109	112	116	126	119	119	118	111

Isotope Dilution Summary

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Matrix: Water

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFBA (25-150)	PFPeA (25-150)	PFHxA (25-150)	C4PFHA (25-150)	PFOA (25-150)	PFNA (25-150)	PFDA (25-150)	PFUnA (25-150)
MB 320-693847/1-A	Method Blank	98	100	97	101	102	103	107	110
MB 320-693849/1-A	Method Blank	106	108	105	105	111	112	118	121
MB 320-694112/1-A	Method Blank	110	113	122	120	114	120	124	116
MB 320-695760/1-A	Method Blank	105	103	103	115	106	116	119	108

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFDoA (25-150)	PFTDA (25-150)	C3PFBS (25-150)	PFHxS (25-150)	PFOS (25-150)	PFOSA (10-150)	d3NMFOS (25-150)	d5NEFOS (25-150)
500-237064-1	MW-201	79	76	86	88	88	109	96	98
500-237064-2	MW-204	85	81	92	96	98	117	106	107
500-237064-3	EB-01	112	108	110	114	115	129	129	133
500-237064-4	FB-01	110	110	107	107	112	130	129	135
500-237064-5	PZ-206	98	99	98	99	99	126	119	116
500-237064-6	MW-213	63	48	83	87	87	104	83	83
500-237064-7	MW-213 DUP	67	53	83	84	86	105	89	86
500-237064-10	PZ-214	97	97	95	96	100	124	110	109
500-237064-14	EB-03	105	105	100	100	101	121	116	121
500-237064-15	FB-03	105	103	99	104	105	122	126	124
500-237064-16	MW-48	69	68	87	91	89	110	92	87
500-237064-16 - DL	MW-48								
500-237064-23	MW-12	95	56	94	110	109	127	121	123
500-237064-23 MS	MW-12	107	64	98	116	114	122	115	122
500-237064-23 MSD	MW-12	112	60	99	117	122	131	114	121
500-237064-24	MW-9	161 *5+		147	155 *5+	160 *5+	136	99	127
500-237064-24 - RA	MW-9		142						
500-237064-25	MW-9 DUP	148	147	135	147	143	128	102	125
500-237064-25 - RA	MW-9 DUP								
500-237064-26	EB-05	107	111	102	104	110	124	113	115
500-237064-27	FB-05	110	110	109	106	111	128	127	130
500-237064-29	AMEC_MW-14	46		89	83	65	103	83	66
500-237064-29 - RE	AMEC_MW-14		84						
500-237064-30	AMEC_MW-15	89	82	96	89	95	118	109	112
500-237064-31	AMEC_MW-16	95	90	90	98	101	124	103	115
500-237064-31 - DL	AMEC_MW-16								
500-237064-32	AMEC_MW-16A	99	94	101	101	107	131	125	124
500-237064-33	AMEC_MW-17	97	98	101	103	105	128	120	123
500-237064-35	MW-200	91	88	98	100	103	125	109	111
500-237064-36	PZ-200	95	96	105	108	109	133	122	121
500-237064-37	MW-209	100	98	99	98	105	127	116	120
500-237064-38	MW-209 DUP	94	91	96	96	99	129	117	117
500-237064-40	MW-226	101	102	105	105	108	127	120	118
500-237064-40 MS	MW-226	109	113	116	114	119	133	121	126
500-237064-40 MSD	MW-226	103	106	110	112	112	128	113	120
500-237064-41	PZ-226	108	107	106	103	112	133	122	128
500-237064-42	MW-235	40	46	84	81	71	88	58	50
500-237064-43	MW-236	37	21 *5-	96	93	94	104	74	56
500-237064-44	EB-02	104	93	103	104	106	119	119	122
500-237064-45	EB-04	114	100	115	109	113	116	123	124
500-237064-46	EB-06	106	93	115	119	116	118	120	119
500-237064-47	FB-02	111	93	117	117	109	115	123	125
500-237064-48	FB-04	105	92	111	108	108	113	122	128

Eurofins Chicago

Isotope Dilution Summary

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Matrix: Water

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFD _o A (25-150)	PFTDA (25-150)	C3PFBS (25-150)	PFH _x S (25-150)	PFOS (25-150)	PFOSA (10-150)	d3NMFOS (25-150)	d5NEFOS (25-150)
500-237064-49	FB-06	99	82	112	119	112	113	114	117
LCS 320-693847/2-A	Lab Control Sample	110	106	110	110	112	125	122	130
LCS 320-693849/2-A	Lab Control Sample	114	115	109	110	110	128	130	127
LCS 320-694112/2-A	Lab Control Sample	110	93	120	127	117	117	129	120
LCS 320-695760/2-A	Lab Control Sample	92	96	97	92	98	104	108	95
LCSD 320-694112/3-A	Lab Control Sample Dup	115	95	113	119	111	112	123	123
MB 320-693847/1-A	Method Blank	102	100	106	104	107	123	126	123
MB 320-693849/1-A	Method Blank	117	118	112	111	117	136	139	142
MB 320-694112/1-A	Method Blank	111	103	114	118	112	115	126	123
MB 320-695760/1-A	Method Blank	114	110	107	110	117	129	144	142

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	dMeFOSA (10-150)	dEtFOSA (10-150)	NMFM (10-150)	NEFM (10-150)	M242FTS (25-150)	M262FTS (25-150)	M282FTS (25-150)	HFPODA (25-150)
500-237064-1	MW-201	82	79	87	77	87	74	75	83
500-237064-2	MW-204	87	80	92	85	97	92	84	86
500-237064-3	EB-01	101	99	118	110	93	95	94	101
500-237064-4	FB-01	102	102	124	116	90	87	94	100
500-237064-5	PZ-206	93	92	108	97	82	81	82	98
500-237064-6	MW-213	60	51	62	49	92	92	91	82
500-237064-7	MW-213 DUP	63	53	64	52	86	93	86	82
500-237064-10	PZ-214	101	94	104	98	86	83	84	99
500-237064-14	EB-03	96	99	119	112	87	81	81	98
500-237064-15	FB-03	86	86	115	107	88	90	89	98
500-237064-16	MW-48	73	70	75	68	97	80	76	86
500-237064-16 - DL	MW-48								
500-237064-23	MW-12	84	77	79	66	124	134	154 *5+	95
500-237064-23 MS	MW-12	89	76	83	68	125	138	171 *5+	105
500-237064-23 MSD	MW-12	95	85	91	71	118	153 *5+	183 *5+	89
500-237064-24	MW-9					139	159 *5+	153 *5+	110
500-237064-24 - RA	MW-9	145	148	147	148				
500-237064-25	MW-9 DUP	141			150	130	148	132	106
500-237064-25 - RA	MW-9 DUP		134	132					
500-237064-26	EB-05	100	101	121	111	75	73	78	100
500-237064-27	FB-05	100	103	125	113	84	87	86	99
500-237064-29	AMEC_MW-14	47	32	24	12	80	74	64	87
500-237064-29 - RE	AMEC_MW-14								
500-237064-30	AMEC_MW-15	87	84	90	85	111	117	101	85
500-237064-31	AMEC_MW-16	90	86	102	99	89	86	81	84
500-237064-31 - DL	AMEC_MW-16								
500-237064-32	AMEC_MW-16A	102	102	107	99	79	81	84	95
500-237064-33	AMEC_MW-17	94	90	108	98	85	85	81	93
500-237064-35	MW-200	90	83	99	91	75	77	82	90
500-237064-36	PZ-200	105	100	105	94	87	87	85	95
500-237064-37	MW-209	97	93	106	100	92	89	87	90
500-237064-38	MW-209 DUP	96	89	103	96	89	89	85	92
500-237064-40	MW-226	97	92	114	108	84	86	83	97
500-237064-40 MS	MW-226	96	95	118	115	93	89	87	101
500-237064-40 MSD	MW-226	91	89	107	104	88	85	83	99
500-237064-41	PZ-226	107	101	114	105	91	84	85	102
500-237064-42	MW-235	41	38	45	39	59	56	47	78

Eurofins Chicago

Isotope Dilution Summary

Client: Ramboll US Corporation
 Project/Site: Former Mirro Plant No 9 - 1690019647

Job ID: 500-237064-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Isotope Dilution Recovery (Acceptance Limits)							
		dMeFOSA (10-150)	dEtFOSA (10-150)	NMFM (10-150)	NEFM (10-150)	M242FTS (25-150)	M262FTS (25-150)	M282FTS (25-150)	HFPODA (25-150)
500-237064-43	MW-236	34	24	28	19	87	82	67	91
500-237064-44	EB-02	95	93	112	105	85	83	85	99
500-237064-45	EB-04	97	97	111	109	109	119	119	120
500-237064-46	EB-06	98	99	106	101	126	120	107	106
500-237064-47	FB-02	97	94	101	101	121	116	116	108
500-237064-48	FB-04	89	95	105	99	115	108	109	112
500-237064-49	FB-06	81	82	97	92	119	114	114	112
LCS 320-693847/2-A	Lab Control Sample	96	96	118	110	100	88	94	100
LCS 320-693849/2-A	Lab Control Sample	110	104	128	121	93	91	92	103
LCS 320-694112/2-A	Lab Control Sample	95	101	107	106	116	111	117	116
LCS 320-695760/2-A	Lab Control Sample	80	86	95	93	101	99	88	92
LCSD 320-694112/3-A	Lab Control Sample Dup	90	96	114	103	108	112	111	117
MB 320-693847/1-A	Method Blank	98	98	116	107	92	92	92	101
MB 320-693849/1-A	Method Blank	110	108	132	125	96	95	96	106
MB 320-694112/1-A	Method Blank	90	92	104	102	113	122	123	106
MB 320-695760/1-A	Method Blank	107	110	114	122	105	99	109	105

Surrogate Legend

- PFBA = 13C4 PFBA
- PFPeA = 13C5 PFPeA
- PFHxA = 13C2 PFHxA
- C4PFHA = 13C4 PFHpA
- PFOA = 13C4 PFOA
- PFNA = 13C5 PFNA
- PFDA = 13C2 PFDA
- PFUnA = 13C2 PFUnA
- PFDaA = 13C2 PFDaA
- PFTDA = 13C2 PFTeDA
- C3PFBS = 13C3 PFBS
- PFHxS = 18O2 PFHxS
- PFOS = 13C4 PFOS
- PFOSA = 13C8 FOSA
- d3NMFOA = d3-NMeFOA
- d5NEFOA = d5-NEtFOA
- dMeFOA = d-N-MeFOA-M
- dEtFOA = d-N-EtFOA-M
- NMFM = d7-N-MeFOSE-M
- NEFM = d9-N-EtFOSE-M
- M242FTS = M2-4:2 FTS
- M262FTS = M2-6:2 FTS
- M282FTS = M2-8:2 FTS
- HFPODA = 13C3 HFPO-DA